CENTENNIAL EXISTING CONDITIONS: Calibration Results Comparision - Cumulative Travel Time (seconds)
CORSIM ANALYSIS RESULTS - PM PEAK

Freeway Segment	Free Flow	Default (Constant Headway)	Normal	Erlang1	Erlang2	Erlang3	Erlang4	Erlang5	Erlang6	Erlang7	Erlang8	Erlang9	CFS -1%+1%	CFS -2%+2%	CFS -3%+3%	CFS -4%+4%	CFS -5%+5%	CFS -6%+6%	CFS -7%+7%	CFS +10%	CFS +20%	CFS +30%	CFS +40%	CFS +50%	CFS +60%	CFS -10%	CFS -20%	CFS -30%	CFS -40%	CFS -50%	CFS -60%	CFS -70%	CFS -80%	CFS -90%	PCFC -10%
SR-99 NB Mainline																																			
SR-99 NB south end of the network to White Ln Off Ramp	49	50	50	50	50	50	49	50	50	50	50	49	50	50	50	49	49	50	49	50	50	50	50	50	50	49	49	49	49	49	49	49	49	49	50
White Ln Off Ramp to White Ln Loop On Ramp	67	69	69	69	69	69	68	69	69	69	69	69	69	69	69	68	69	69	68	69	69	69	69	69	69	68	68	68	68	68	68	68	68	68	69
White Ln Loop On Ramp to White Ln Direct On Ramp	73	76	76	77	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	75	75	76	76
White Ln Direct On Ramp to Ming Ave Off Ramp	143	151	151	151	151	151	151	151	151	150	151	150	151	151	151	150	151	151	151	151	151	151	152	152	152	150	150	150	150	150	150	149	149	149	151
Ming Ave Off Ramp to Ming Ave On Ramp	167	176	176	177	176	176	176	176	176	176	176	176	176	176	176	175	176	176	176	176	176	177	177	177	178	175	175	175	175	175	175	174	174	174	176
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	177	190	190	191	190	189	189	190	190	189	189	190	189	190	189	189	189	190	189	190	191	192	193	195	195	188	188	187	188	187	187	187	186	186	190
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	207	221	221	222	221	221	220	221	222	221	221	221	221	221	221	221	221	221	220	221	223	223	224	226	230	220	219	218	219	219	218	218	217	218	222
Wible Rd On Ramp to SR58 WB On Ramp	216	231	231	232	231	231	230	231	231	231	230	231	231	231	231	230	231	231	230	231	233	233	234	236	251	229	229	228	229	229	228	228	227	227	231
SR58 WB On Ramp to California Ave Off Ramp	248	267	268	268	267	266	266	267	267	266	266	267	266	267	267	266	267	267	266	267	269	270	271	273	340	265	265	264	264	264	263	263	263	262	268
California Ave Off Ramp to California Ave Loop On Ramp	263	283	284	284	283	282	282	283	283	283	283	283	283	284	283	283	283	283	282	283	286	286	287	290	433	281	281	280	280	280	280	279	279	279	284
California Ave Loop On Ramp to California Ave Direct On Ramp	272	293	294	294	293	292	292	293	293	293	293	292	292	293	293	292	292	293	292	293	295	296	297	303	491	291	291	289	290	290	289	288	288	288	294
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	293	320	320	321	320	319	319	320	320	322	320	319	319	321	320	319	319	319	318	321	324	326	329	339	557	317	317	314	314	314	313	312	312	312	320
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	308	336	336	337	336	334	335	335	335	338	335	334	334	336	336	335	335	335	334	337	340	342	345	355	574	332	332	330	330	329	329	328	328	327	336
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	340	369	369	370	369	367	368	368	368	371	368	367	367	370	369	368	368	368	367	370	373	375	378	388	607	365	365	363	363	362	361	361	361	360	369
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	371	403	403	404	403	401	402	402	402	405	402	401	401	403	403	402	402	402	401	404	407	409	413	423	641	399	399	397	396	396	395	394	394	394	403
Airport Dr Off Ramp to SR99 NB north end of the network	410	443	443	444	443	441	442	442	443	445	443	441	442	443	443	442	443	442	441	444	448	449	453	463	681	439	439	437	437	436	435	434	434	434	443
% Difference against Free Flow	-	8%	8%	8%	8%	8%	8%	8%	8%	9%	8%	8%	8%	8%	8%	8%	8%	8%	7%	8%	9%	9%	10%	13%	66%	7%	7%	6%	6%	6%	6%	6%	6%	6%	8%
SR-99 SB Mainline																																			
SR99 SB north end of the network to Airport Dr On Ramp	47	49	49	49	49	49	48	48	49	49	48	49	49	48	48	49	48	48	48	48	49	49	49	49	49	49	48	48	48	48	48	48	48	48	48
Airport Dr On Ramp to Rosedale Hwy Off Ramp	77	85	84	86	85	85	84	84	84	84	85	84	85	84	85	85	84	84	84	85	86	88	89	91	92	84	83	84	82	82	82	82	81	81	84
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	100	110	109	111	110	110	109	109	110	109	110	109	110	109	110	110	109	109	109	110	112	115	120	137	145	109	108	109	107	107	107	106	106	106	109
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	113	127	126	128	127	127	127	126	127	128	129	126	127	126	127	126	127	126	126	130	140	151	162	185	201	125	123	124	122	122	121	121	120	121	124
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	142	171	169	171	172	171	173	170	172	173	173	170	172	171	172	170	172	170	169	178	191	203	223	256	298	167	162	162	159	158	157	157	155	155	167
California Ave Off Ramp to California Ave On Ramp	155	187	185	186	186	186	188	187	187	187	187	184	186	186	186	184	187	184	184	197	210	227	262	313	362	181	176	176	172	171	171	170	169	169	181
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	181	227	226	227	221	225	227	229	226	224	224	221	225	225	223	220	226	221	224	241	254	273	311	362	411	217	210	208	204	203	201	200	198	198	221
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	220	268	267	267	261	265	268	270	267	265	264	262	265	266	264	261	267	262	265	282	295	314	352	403	452	258	250	249	244	243	241	240	238	239	261
SR58 WB On Ramp to Real Rd On Ramp	224	273	272	273	267	271	273	275	272	270	270	267	271	271	269	266	272	267	270	287	301	321	358	410	458	264	256	254	249	249	247	246	244	244	266
Real Rd On Ramp to Ming Ave Off Ramp	245	299	298	301	293	297	299	300	299	296	297	294	296	297	295	292	298	293	296	313	327	349	386	439	486	298	281	279	274	274	272	270	268	269	291
Ming Ave Off Ramp to Ming Ave On Ramp	278	334	333	336	328	332	333	335	334	331	331	328	331	332	330	327	333	328	331	348	363	385	422	478	521	333	316	314	309	309	307	305	302	303	326
Ming Ave On Ramp to White Ln Off Ramp	335	399	415	406	393	403	424	416	400	410	400	470	420	405	404	401	400	406	407	439	439	472	501	606	595	399	393	376	431	371	418	393	388	364	396
White Ln Off Ramp to White Ln Loop On Ramp	353	418	434	425	413	423	443	435	420	430	419	490	440	424	423	420	420	426	426	458	458	491	521	625	615	419	413	395	450	390	437	413	407	383	415
White Ln Loop On Ramp to White Ln Direct On Ramp	363	428	444	435	423	433	453	445	429	440	429	500	450	434	433	430	430	436	436	468	468	501	531	635	625	428	423	405	460	400	447	422	417	393	425
White Ln Direct On Ramp to SR99 SB south end of the network	413	480	496	487	475	485	505	497	482	492	481	552	502	486	485	483	482	488	489	521	521	553	583	687	677	481	475	458	512	452	499	474	469	445	477
% Difference against Free Flow	-	16%	20%	18%	15%	17%	22%	20%	17%	19%	17%	34%	22%	18%	18%	17%	17%	18%	18%	26%	26%	34%	41%	66%	64%	16%	15%	11%	24%	9%	21%	15%	14%	8%	16%
SR59 EB Mainline																																			
SR58 west end of the network to SR99 On Ramp	37	44	44	44	43	43	44	43	43	44	44	43	44	44	43	43	43	44	44	44	44	45	45	46	46	43	43	42	43	43	42	42	42	42	44
SR99 On Ramp to H St Off Ramp	46	54	54	54	53	53	54	53	53	54	54	54	54	54	53	53	53	54	54	54	55	55	56	57	56	53	53	53	53	53	52	52	52	52	54
H St Off Ramp to Chester Ave On Ramp	80	91	91	91	90	90	91	90	91	91	91	91	91	91	90	90	91	91	91	91	92	93	94	95	95	90	90	90	89	89	88	89	89	89	91
Chester Ave On Ramp to Union Ave Off Ramp	106	121	122	121	120	120	121	120	121	120	121	121	121	121	120	120	121	120	121	121	123	124	125	127	129	119	120	118	118	117	116	117	117	117	122
Union Ave Off Ramp to Union Ave Loop On Ramp	122	138	139	138	137	137	138	137	138	138	138	138	138	138	137	137	138	138	138	138	140	142	142	144	146	136	137	135	135	135	133	134	134	134	139
Union Ave Loop On Ramp to Union Ave Direct On Ramp	130	147	148	147	146	146	147	146	147	146	147	147	147	147	145	146	146	146	147	147	149	151	151	153	155	145	146	144	144	143	142	142	142	142	147
Union Ave Direct On Ramp to SR58 east end of the network	198	222	223	222	221	221	222	220	222	221	221	221	222	222	220	220	222	222	222	222	224	227	227	230	233	219	220	219	217	217	216	216	216	216	222
% Difference against Free Flow	-	12%	12%	12%	11%	11%	12%	11%	12%	11%	11%	12%	12%	12%	11%	11%	12%	12%	12%	12%	13%	14%	14%	16%	17%	11%	11%	10%	9%	9%	9%	9%	9%	9%	12%
SR59 WB Mainline																																			
SR58 east end of the network to Brundage Ln Off Ramp	65	68	68	69	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	69	69	69	69	68	68	68	68	67	67	67	67	67	68
Brundage Ln Off Ramp to Brundage Ln On Ramp	81	85	85	86	86	85	86	86	85	85	85	85	85	85	85	86	85	85	85	86	86	86	86	86	87	85	85	85	85	85	85	85	85	85	85
Brundage Ln On Ramp to Union Ave On Ramp	93	98	98	99	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	99	99	99	99	100	98	97	98	97	97	97	97	97	97	98
Union Ave On Ramp to Chester Ave Off Ramp	114	122	123	123	123	123	123	123	123	122	123	122	122	122	123	123	122	123	122	123	124	125	125	126	128	122	122	122	121	121	121	121	121	120	122
Chester Ave Off Ramp to H St On Ramp	152	162	163	163	163	163	163	163	163	162	163	162	162	162	163	163	162	163	162	164	164	165	165	166	169	162	162	162	161	160	160	160	160	160	162
H St On Ramp to SR99 NB Off Ramp	176	191	191	192	192	192	192	192	191	191	192	191	191	191	192	192	191	192	191	193	194	195	195	198	200	191	190	190	188	188	188	188	188	187	190
SR99 NB Off Ramp to SR99 SB Off Ramp	199	218	218	219	219	219	219	219	218	218	219	217	218	218	219	219	218	219	218	220	221	222	222	225	227	218	217	217	215	215	215	214	214	214	217
% Difference against Free Flow	-	10%	10%	10%	10%	10%	10%	10%	9%	9%	10%	9%	9%	9%	10%	10%	9%	10%	9%	10%	11%	12%	12%	13%	14%	9%	9%	9%	8%	8%	8%	8%	8%	7%	9%

CENTENNIAL EXISTING CONDITIONS: Calibration Results Comparision - Cumulative Travel Time (seconds)

CORSIM ANALYSIS RESULTS - PM PEAK

selected global parameter: CFS -30%, PCFC -30% (7 ft), normal distribution

Freeway Segment	PCFC -20%	PCFC -30%	PCFC -40%	PCFC -50%	PCFC -60%	PCFC -70%	CFS +10% PCFC -10% Normal	CFS +10% PCFC -30% Normal	CFS +10% PCFC -50% Normal	CFS +30% PCFC -10% Normal	CFS +10% PCFC +10% Normal	CFS -10% PCFC -30% Normal	CFS -10% PCFC -50% Normal	CFS -30% PCFC -10% Normal	CFS -30% PCFC -30% Normal	CFS -30% PCFC -50% Normal	CFS -50% PCFC -10% Normal	CFS -50% PCFC -30% Normal	CFS -50% PCFC -50% Normal
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	49	49	49	50	50	49	49	50	49	50	50	50	50	50	50	50	50	49	50
White Ln Off Ramp to White Ln Loop On Ramp	69	69	68	69	69	68	68	69	68	69	69	69	69	69	69	69	69	68	69
White Ln Loop On Ramp to White Ln Direct On Ramp	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76
White Ln Direct On Ramp to Ming Ave Off Ramp	150	150	150	151	151	150	151	151	150	151	151	151	150	150	150	150	150	150	150
Ming Ave Off Ramp to Ming Ave On Ramp	176	176	176	176	176	175	176	176	176	177	176	176	176	175	175	175	175	175	175
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	189	188	189	189	189	188	189	189	189	192	189	189	188	188	188	187	187	186	187
SR59 EB/Wible Rd Off Ramp to Wible Rd On Ramp	221	220	221	221	221	219	221	221	221	224	220	221	220	219	219	219	219	218	218
Wible Rd On Ramp to SR58 WB On Ramp	231	229	230	230	230	229	231	231	230	233	230	231	229	229	229	228	228	228	228
SR58 WB On Ramp to California Ave Off Ramp	267	265	266	267	267	265	267	267	266	270	266	266	265	265	265	264	264	263	263
California Ave Off Ramp to California Ave Loop On Ramp	283	281	283	283	283	281	283	283	282	287	282	283	281	281	281	280	280	279	279
California Ave Loop On Ramp to California Ave Direct On Ramp	292	291	292	292	293	290	293	293	292	296	292	292	291	291	290	290	289	288	288
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	319	317	318	318	319	316	320	319	318	327	318	318	317	315	314	314	314	312	312
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	334	332	334	334	335	331	336	335	334	343	333	334	333	331	330	330	330	328	328
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	367	365	367	367	368	364	369	368	367	376	367	367	366	364	363	363	363	361	361
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	401	399	401	401	402	398	403	402	401	411	400	400	400	397	397	397	397	394	394
Airport Dr Off Ramp to SR99 NB north end of the network	441	440	441	441	442	438	443	442	441	451	441	441	440	437	437	437	437	434	434
% Difference against Free Flow	8%	7%	7%	7%	8%	7%	8%	8%	8%	10%	7%	7%	7%	7%	7%	6%	6%	6%	6%
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	48	48	48	48	48	48	49	49	49	49	49	48	48	48	48	48	48	48	48
Airport Dr On Ramp to Rosedale Hwy Off Ramp	84	84	84	84	83	83	85	85	85	89	85	84	84	83	83	82	83	82	82
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	109	109	109	109	108	108	110	110	110	116	110	109	109	108	108	107	108	107	107
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	124	124	125	124	123	123	129	126	127	155	125	124	123	123	123	122	123	122	121
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	166	166	166	165	164	165	175	170	170	215	167	163	162	162	159	159	159	157	157
California Ave Off Ramp to California Ave On Ramp	180	180	180	179	178	178	190	184	184	253	181	177	176	176	173	173	173	171	170
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	216	215	214	211	214	213	228	223	223	300	216	214	209	209	206	204	205	202	200
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	256	256	255	252	255	253	269	264	264	341	257	254	249	249	246	245	246	242	240
SR58 WB On Ramp to Real Rd On Ramp	262	264	260	257	260	259	275	270	269	346	263	259	255	255	252	250	251	247	246
Real Rd On Ramp to Ming Ave Off Ramp	287	300	288	283	285	284	305	298	295	373	289	284	280	280	277	275	276	272	271
Ming Ave Off Ramp to Ming Ave On Ramp	322	336	323	318	320	318	340	333	330	408	324	319	315	314	312	310	311	307	306
Ming Ave On Ramp to White Ln Off Ramp	386	405	392	402	383	382	411	430	430	537	435	383	403	410	405	400	386	376	370
White Ln Off Ramp to White Ln Loop On Ramp	405	424	411	422	403	401	430	450	450	557	454	403	423	429	424	420	406	396	389
White Ln Loop On Ramp to White Ln Direct On Ramp	415	434	421	431	413	411	440	460	460	566	464	412	433	439	434	430	416	405	399
White Ln Direct On Ramp to SR99 SB south end of the network	467	486	473	484	465	463	492	512	512	619	516	465	485	491	486	482	468	458	451
% Difference against Free Flow	13%	18%	15%	17%	13%	12%	19%	24%	24%	50%	25%	13%	17%	19%	18%	17%	13%	11%	9%
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	43	43	43	43	43	43	44	43	43	44	43	43	43	42	43	42	42	42	42
SR99 On Ramp to H St Off Ramp	54	53	53	53	54	53	54	53	53	54	53	53	53	53	53	52	52	53	52
H St Off Ramp to Chester Ave On Ramp	91	91	90	91	91	91	91	91	91	92	90	90	90	89	90	89	89	89	89
Chester Ave On Ramp to Union Ave Off Ramp	121	120	120	120	120	120	121	121	121	123	120	120	119	118	118	117	118	117	117
Union Ave Off Ramp to Union Ave Loop On Ramp	138	137	137	137	137	137	138	138	138	140	137	137	136	135	135	135	135	134	134
Union Ave Loop On Ramp to Union Ave Direct On Ramp	146	146	146	146	146	146	147	147	147	149	145	145	144	144	144	143	144	143	143
Union Ave Direct On Ramp to SR58 east end of the network	221	221	220	221	221	221	222	222	222	224	220	221	218	218	218	217	218	217	216
% Difference against Free Flow	11%	11%	11%	11%	11%	11%	12%	12%	12%	13%	11%	11%	10%	10%	10%	9%	10%	9%	9%
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	68	68	68	68	68	68	68	68	68	69	68	68	68	68	68	68	68	68	67
Brundage Ln Off Ramp to Brundage Ln On Ramp	85	85	86	85	85	85	86	86	86	86	85	85	85	85	85	85	85	85	85
Brundage Ln On Ramp to Union Ave On Ramp	98	98	98	98	98	98	98	98	98	99	98	98	97	97	97	97	97	97	97
Union Ave On Ramp to Chester Ave Off Ramp	122	123	123	122	122	122	123	123	123	124	123	122	121	121	122	121	121	121	121
Chester Ave Off Ramp to H St On Ramp	162	162	163	162	162	162	163	163	163	164	163	162	161	161	161	161	161	160	160
H St On Ramp to SR99 NB Off Ramp	191	191	191	190	190	190	192	192	192	194	191	190	189	189	190	189	189	188	188
SR99 NB Off Ramp to SR99 SB Off Ramp	217	218	218	217	217	217	219	219	219	221	218	217	216	216	216	215	215	215	215
% Difference against Free Flow	9%	9%	10%	9%	9%	9%	10%	10%	10%	11%	10%	9%	8%	8%	9%	8%	8%	8%	8%

CORSIM ORIGIN-DESTINATION (O.D.) TABLE - Existing Conditions

SR-99 Traffic Operations - White Ln. to Airport Dr.

PM PEAK

SR-99 NB

Entry Location			Exit Location																										
			Name	White Ln Off			Ming Ave Off			SR-58 EB & Wible Off			California Off			Rosedale Off			Buck-Owens Off			Airport Off			SR-99 NB					
			Node #	298			303			306			151			96			128			98			164					
Name	Node #	Volume		Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume
SR-99 NB	163	2448		338	14	2110	322	13	1788	447	18	1341	213	9	1128	476	19	652	72	3	581	236	10	345	345	14	0			
White Loop On	533	1155			X	1155	58	5	1097	274	24	823	130	11	693	292	25	401	44	4	357	145	13	212	212	18	0			
White Diagonal On	299	457			X	457	23	5	434	109	24	326	52	11	274	116	25	158	17	4	141	57	13	84	84	18	0			
Ming On	305	1215			X	1215		X	1215	608	50	608	96	8	511	216	18	296	32	3	263	107	9	156	156	13	0			
Wible On	307	561			X	561		X	561		X	561	79	14	482	203	36	279	31	5	248	101	18	148	148	26	0			
SR-58 WB On	310	1084			X	1084		X	1084		X	1084	108	10	976	411	38	564	62	6	502	204	19	299	299	28	0			
California Loop On	132	629			X	629		X	629		X	629		X	629	31	5	598	31	5	566	230	37	336	336	53	0			
California Diagonal On	130	297			X	297		X	297		X	297		X	297	15	5	282	15	5	267	108	37	159	159	53	0			
Buck-Owens On	97	479			X	479		X	479		X	479		X	479		X	479		X	479	24	5	455	455	95	0			
				338			403			1437			678			1760			304			1211			2194					

PM PEAK

SR-99 SB

Entry Location			Exit Location																										
			Name	Rosedale Off			California Off			SR-58 EB & Stockdale Off			Ming Off			White Off			SR-99 SB											
			Node #	102			105			313			316			322			95											
Name	Node #	Volume		Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume
SR-99 SB	100	3150		547	17	2603	555	18	2048	654	21	1394	432	14	963	427	14	536	536	17	0									
Airport on	101	1725		86	5	1639	349	20	1289	412	24	878	272	16	606	269	16	337	337	20	0									
Rosedale Loop On	103	1267			X	1267	63	5	1204	384	30	819	254	20	566	251	20	315	315	25	0									
Rosedale Diagonal On	104	1191			X	1191	60	5	1131	361	30	770	238	20	532	236	20	296	296	25	0									
California On	137	845			X	845		X	845	85	10	761	235	28	525	233	28	292	292	35	0									
SR-58 WB On	314	1124			X	1124		X	1124		X	1124	112	10	1012	449	40	563	563	50	0									
Real On	315	281			X	281		X	281		X	281	14	5	267	118	42	149	149	53	0									
Ming On	318	458			X	458		X	458		X	458		X	458	46	10	412	412	90	0									
White Loop On	323	139			X	139		X	139		X	139		X	139		X	139	139	100	0									
White Diagonal On	324	138			X	138		X	138		X	138		X	138		X	138	138	100	0									
				633			1027			1896			1557			2029			3176											

CORSIM ORIGIN-DESTINATION (O.D.) TABLE - Existing Conditions

SR-99 Traffic Operations - White Ln. to Airport Dr.

AM PEAK

SR-99 NB

Entry Location			Exit Location																										
			Name	White Ln Off			Ming Ave Off			SR-58 EB & Wible Off			California Off			Rosedale Off			Buck-Owens Off			Airport Off			SR-99 NB					
			Node #	298			303			306			151			96			128			98			164					
Name	Node #	Volume		Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume
SR-99 NB	163	3555		202	6	3353	184	5	3169	677	19	2491	494	14	1997	644	18	1353	299	8	1053	464	13	589	589	17	0			
White Loop On	533	1571			X	1571	79	5	1492	319	20	1173	233	15	941	304	19	637	141	9	496	219	14	277	277	18	0			
White Diagonal On	299	684			X	684	34	5	650	139	20	511	101	15	410	132	19	277	61	9	216	95	14	121	121	18	0			
Ming On	305	1265			X	1265		X	1265	633	50	633	125	10	507	164	13	343	76	6	267	118	9	150	150	12	0			
Wible On	307	490			X	490		X	490		X	490	69	14	421	136	28	285	63	13	222	98	20	124	124	25	0			
SR-58 WB On	310	1088			X	1088		X	1088		X	1088	109	10	979	316	29	663	147	13	516	228	21	289	289	27	0			
California Loop On	132	456			X	456		X	456		X	456		X	456	23	5	433	23	5	410	181	40	230	230	50	0			
California Diagonal On	130	228			X	228		X	228		X	228		X	228	11	5	217	11	5	205	90	40	115	115	50	0			
Buck-Owens On	97	306			X	306		X	306		X	306		X	306		X	306		X	306	15	5	291	291	95	0			
				202			297			1768			1131			1730			822			1508			2185					

AM PEAK

SR-99 SB

Entry Location			Exit Location																										
			Name	Rosedale Off			California Off			SR-58 EB & Stockdale Off			Ming Off			White Off			SR-99 SB											
			Node #	102			105			313			316			322			95											
Name	Node #	Volume		Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume
SR-99 SB	100	2953		530	18	2423	694	24	1729	617	21	1112	271	9	840	340	12	500	500	17	0									
Airport on	101	1109		55	5	1054	302	27	752	268	24	483	118	11	365	148	13	217	217	20	0									
Rosedale Loop On	103	698			X	698	35	5	663	237	34	426	104	15	322	130	19	192	192	27	0									
Rosedale Diagonal On	104	917			X	917	46	5	871	311	34	560	137	15	423	171	19	252	252	27	0									
California On	137	337			X	337		X	337	34	10	303	74	22	229	93	28	136	136	40	0									
SR-58 WB On	314	938			X	938		X	938		X	938	94	10	844	342	36	502	502	54	0									
Real On	315	255			X	255		X	255		X	255	13	5	242	98	38	144	144	57	0									
Ming On	318	245			X	245		X	245		X	245		X	245	25	10	221	221	90	0									
White Loop On	323	111			X	111		X	111		X	111		X	111		X	111	111	100	0									
White Diagonal On	324	139			X	139		X	139		X	139		X	139		X	139	139	100	0									
				585			1077			1467			811			1347			2415											

VARIATION OF GLOBAL PARAMETERS
AM PEAK

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: Default (VEH constant, CFS and PCFC at default)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vph)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	1	63	19	C	50	3135	50	1	1189	0	0	0	4,648	5526472	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,339	100%	20	1	62	18	C	70	1118	18	1	1113	0	0	0	1,768	1967784	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	10	4	38	37	E	80	521	14	5	1651	1	13	1	555	916490	4
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,608	100%	79	9	58	30	D	159	7120	123	13	1693	0	0	0	6,695	10734954	38
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,254	99%	48	24	37	38	E	207	2612	70	35	1313	1	65	5	2,291	3008942	16
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,555	100%	21	10	30	48	F	228	1149	38	18	1639	1	29	9	926	1517483	8
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,677	97%	32	2	61	19	C	260	2560	42	2	1169	0	0	0	2,890	3379133	10
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,165	97%	10	1	60	20	C	270	826	14	1	1291	0	0	0	844	1089815	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,230	98%	37	6	56	27	D	307	3598	65	10	1559	0	0	0	3,000	4672500	16
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,119	97%	16	1	62	21	C	323	1446	23	1	1280	0	0	0	1,491	1908107	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,578	98%	10	2	55	23	C	333	830	15	2	1395	0	0	0	785	1094683	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,749	97%	33	12	42	33	D	366	2184	52	18	1437	0	0	0	2,014	2894622	13
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,031	96%	17	1	59	17	B	382	1093	18	1	1008	0	0	0	1,432	1443098	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,238	96%	33	1	63	13	B	416	1874	30	1	810	0	0	0	3,055	2473023	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,550	96%	34	2	60	14	B	450	2017	33	2	888	0	0	0	3,000	2662500	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,094	96%	40	1	63	10	A	490	1477	23	1	598	0	0	0	3,726	2229213	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	16	B	48	2535	40	1	849	0	0	0	4,498	3817517	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	34	4	57	18	B	82	2211	39	5	1028	0	0	0	2,800	2879333	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	107	1510	24	1	878	0	0	0	2,271	1993370	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	58	16	B	121	956	16	2	1052	0	0	0	1,200	1262100	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	37	7	52	24	C	158	2729	52	11	1280	0	0	0	2,800	3583067	13
California Ave Off Ramp to California Ave On Ramp	4,015	4,015	100%	13	1	62	16	B	171	941	15	1	1011	0	0	0	1,229	1241905	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,339	100%	28	3	58	18	C	200	1999	34	3	1085	0	0	0	2,433	2638994	8
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,864	99%	40	1	63	11	B	240	2014	32	1	716	0	0	0	3,714	2659224	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,807	100%	5	1	51	16	B	245	275	5	1	952	0	0	0	381	362617	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	4,048	99%	24	2	58	16	B	269	1532	27	3	1012	0	0	0	2,004	2027881	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,212	98%	35	1	63	13	B	303	1940	31	1	803	0	0	0	3,189	2560368	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,461	99%	60	3	61	17	B	364	3552	58	3	989	0	0	0	5,403	5343181	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,118	98%	19	1	63	11	B	383	710	11	0	706	0	0	0	1,770	1249620	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,248	99%	10	0	62	11	A	392	380	6	0	749	0	0	0	894	669904	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,312	96%	52	2	63	12	B	444	2090	33	1	771	0	0	0	4,777	3681475	11
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	43	4	55	9	A	43	669	12	1	676	0	0	0	3,523	2380374	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	57	22	C	54	622	11	1	1256	0	0	0	870	1092720	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	38	4	59	24	C	92	2085	35	3	1346	0	0	0	3,265	4393384	15
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	31	5	54	34	D	122	1780	33	6	1928	0	0	0	2,419	4663429	16
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	61	25	C	140	895	15	1	1541	0	0	0	1,533	2362353	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	59	23	C	148	452	8	1	1616	0	0	0	739	1193855	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	74	5	60	28	D	222	4258	71	5	1713	0	0	0	6,567	11249271	35
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	68	3	62	26	C	68	3739	60	3	1591	0	0	0	6,193	9853837	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,659	100%	17	1	61	22	C	86	794	13	1	1346	0	0	0	1,558	2097068	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,855	100%	12	1	60	21	C	98	589	10	1	1437	0	0	0	1,082	1554293	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,096	100%	24	2	58	25	C	122	1216	21	2	1559	0	0	0	2,060	3212227	10
Chester Ave Off Ramp to H St On Ramp	2,622	2,622	100%	40	3	61	22	C	162	1813	30	2	1338	0	0	0	3,579	4787807	15
H St On Ramp to SR99 NB Off Ramp	2,955	2,955	100%	29	4	55	26	C	191	1335	24	3	1500	0	0	0	2,350	3523825	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,867	100%	27	2	57	17	B	218	813	14	1	959	0	0	0	2,163	2073236	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: Normal (VEH normal distribution, CFS and PCFC at default)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	1	63	19	C	50	3138	50	1	1191	0	0	0	4,648	5534993	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,352	100%	20	1	62	18	C	70	1122	18	1	1117	0	0	0	1,768	1975445	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	9	3	40	35	E	79	523	13	5	1857	1	13	0	555	919635	4
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,608	100%	80	10	57	30	D	159	7111	125	15	1804	0	0	0	6,695	10738302	39
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,288	100%	53	29	33	42	E	212	2589	78	42	1322	1	65	13	2,291	3028702	18
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,576	100%	21	10	30	48	F	233	1157	38	19	1549	1	29	9	926	1526743	8
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,719	98%	32	2	61	19	C	266	2563	43	3	1180	0	0	0	2,890	3409478	11
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,200	98%	10	1	60	20	C	275	831	14	1	1380	0	0	0	844	1097200	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,292	99%	37	5	56	27	D	312	3638	65	10	1873	0	0	0	3,000	4718750	15
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,218	99%	17	1	60	22	C	329	1474	24	2	1365	0	0	0	1,491	1945010	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,644	99%	12	4	44	29	D	341	839	19	6	1411	0	0	0	785	1107635	4
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,838	98%	33	12	42	33	D	374	2224	53	19	1460	0	0	0	2,014	2939433	13
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,153	99%	16	1	59	18	B	390	1127	19	1	1038	0	0	0	1,432	1486774	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,319	98%	33	1	62	13	B	424	1920	31	1	830	0	0	0	3,055	2534886	8
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,638	99%	34	3	60	15	B	458	2067	35	3	910	0	0	0	3,000	2728500	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,121	97%	40	1	53	10	A	498	1497	24	1	506	0	0	0	3,726	2257956	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	16	B	48	2535	40	1	849	0	0	0	4,498	3818802	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	34	4	57	18	B	82	2194	38	5	1026	0	0	0	2,800	2871633	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	107	1512	24	1	879	0	0	0	2,271	1995074	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	59	16	B	121	962	16	2	1058	0	0	0	1,200	1269300	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	38	8	51	24	C	159	2735	54	12	1200	0	0	0	2,800	3582600	13
California Ave Off Ramp to California Ave On Ramp	4,015	4,015	100%	14	1	61	16	B	172	942	15	1	1012	0	0	0	1,229	1243748	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,352	100%	29	3	58	18	C	201	2008	35	4	1089	0	0	0	2,433	2650145	8
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,885	100%	40	1	63	11	B	241	2036	32	1	724	0	0	0	3,714	2687079	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,805	100%	5	1	53	15	B	246	274	5	1	951	0	0	0	381	362426	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	4,034	99%	23	2	58	16	B	269	1527	26	3	1009	0	0	0	2,004	2021201	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,225	99%	35	1	63	13	B	304	1948	31	1	806	0	0	0	3,189	2570733	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,458	98%	61	4	61	17	B	364	3551	58	4	988	0	0	0	5,403	5337778	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,122	98%	19	1	63	11	B	384	711	11	0	707	0	0	0	1,770	1251980	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,242	99%	10	0	63	11	A	393	380	6	0	747	0	0	0	894	668116	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,297	95%	52	2	63	12	B	445	2077	33	1	766	0	0	0	4,777	3656794	11
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	44	5	54	9	A	44	672	12	1	677	0	0	0	3,523	2386245	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	58	21	C	54	615	11	1	1242	0	0	0	870	1080105	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	38	4	59	24	C	92	2068	35	3	1336	0	0	0	3,265	4360734	15
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	30	5	55	33	D	123	1756	32	5	1806	0	0	0	2,419	4611420	15
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	61	25	C	140	870	14	1	1499	0	0	0	1,533	2297201	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	59	22	C	148	443	7	1	1581	0	0	0	739	1168359	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	75	5	60	27	D	223	4188	69	5	1677	0	0	0	6,567	11015322	34
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	69	4	62	26	C	69	3748	61	3	1594	0	0	0	6,193	9869320	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,859	2,859	100%	17	1	61	22	C	86	788	13	1	1335	0	0	0	1,558	2079151	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,849	100%	12	1	59	21	C	98	584	10	1	1425	0	0	0	1,082	1541309	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,096	100%	24	2	58	25	C	122	1205	21	2	1549	0	0	0	2,080	3190597	10
Chester Ave Off Ramp to H St On Ramp	2,622	2,599	99%	40	2	61	21	C	162	1782	29	2	1300	0	0	0	3,579	4650911	14
H St On Ramp to SR99 NB Off Ramp	2,955	2,924	99%	28	3	57	24	C	190	1304	23	3	1462	0	0	0	2,350	3436092	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,822	98%	27	1	57	16	B	217	772	14	1	911	0	0	0	2,163	1969952	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: Erlang1 (VEH Erlang distribution shape parameter alpha=1, CFS and PCFC at default)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	2	63	19	C	50	3124	50	2	1185	0	0	0	4,648	5510204	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,311	99%	20	1	61	18	C	70	1109	18	1	1104	0	0	0	1,768	1951283	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,909	100%	10	4	37	37	E	80	516	14	5	1636	1	13	1	555	908165	4
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,593	100%	80	10	57	30	D	160	7088	124	15	1598	0	0	0	6,695	10699068	38
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,181	98%	50	25	36	38	E	210	2606	72	37	1295	1	65	7	2,291	2967131	17
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,502	99%	21	10	30	47	F	231	1140	37	18	1626	1	28	9	926	1505213	8
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,632	96%	32	2	61	19	C	263	2535	42	3	1158	0	0	0	2,890	3346620	10
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,103	96%	10	1	60	20	C	273	816	14	1	1276	0	0	0	844	1076733	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,162	96%	37	5	56	27	D	310	3564	63	9	1540	0	0	0	3,000	4621250	15
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,105	97%	16	1	62	21	C	326	1442	23	1	1276	0	0	0	1,491	1902889	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,560	97%	10	1	55	23	C	336	827	15	2	1380	0	0	0	785	1091150	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,750	97%	33	12	42	33	D	369	2183	52	18	1437	0	0	0	2,014	2894957	13
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,046	96%	17	1	59	17	B	385	1097	19	2	1012	0	0	0	1,432	1448468	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,223	95%	33	1	63	13	B	418	1865	30	1	806	0	0	0	3,055	2461566	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,553	96%	34	2	60	14	B	452	2019	34	2	888	0	0	0	3,000	2664375	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,142	98%	40	1	63	10	A	492	1512	24	1	612	0	0	0	3,726	2279780	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	49	2	63	16	B	49	2537	40	1	849	0	0	0	4,498	3818159	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	34	4	57	18	B	82	2195	38	5	1024	0	0	0	2,800	2867200	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	107	1512	24	1	879	0	0	0	2,271	1995074	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	59	16	B	121	962	16	2	1069	0	0	0	1,200	1270200	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	37	8	52	24	C	158	2739	53	11	1283	0	0	0	2,800	3592667	13
California Ave Off Ramp to California Ave On Ramp	4,015	4,015	100%	14	1	62	16	B	172	939	15	1	1098	0	0	0	1,229	1238525	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,314	99%	28	3	58	18	C	200	1988	34	3	1078	0	0	0	2,433	2623788	8
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,878	100%	40	1	63	11	B	240	2025	32	1	720	0	0	0	3,714	2672223	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,786	99%	5	1	52	15	B	245	273	5	1	947	0	0	0	381	360617	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	4,006	98%	23	2	58	16	B	269	1516	26	3	1002	0	0	0	2,004	2007173	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,227	99%	35	1	63	13	B	303	1949	31	1	687	0	0	0	3,189	2572726	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,470	99%	60	4	61	17	B	364	3561	58	3	991	0	0	0	5,403	5355917	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,109	97%	19	1	63	11	B	383	707	11	0	703	0	0	0	1,770	1244310	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,226	98%	10	0	62	11	A	393	377	6	0	742	0	0	0	894	663348	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,272	94%	52	2	63	12	B	444	2054	33	1	757	0	0	0	4,777	3617781	11
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	44	4	55	9	A	44	655	12	1	661	0	0	0	3,523	2327529	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	58	21	C	54	611	11	1	1231	0	0	0	870	1071260	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	38	3	59	23	C	91	2034	34	3	1314	0	0	0	3,265	4288904	14
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	30	5	55	33	D	121	1743	32	5	1991	0	0	0	2,419	4573523	15
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	61	24	C	139	853	14	1	1469	0	0	0	1,533	2251977	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	59	22	C	147	432	7	1	1544	0	0	0	739	1141016	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	74	5	60	26	D	221	4054	67	5	1631	0	0	0	6,567	10712419	33
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	69	4	61	26	C	69	3744	61	4	1593	0	0	0	6,193	9863901	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,640	99%	17	1	61	22	C	86	779	13	1	1320	0	0	0	1,558	2056560	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,818	99%	12	1	59	21	C	99	578	10	1	1409	0	0	0	1,082	1524530	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,055	99%	24	3	58	25	C	123	1190	21	2	1527	0	0	0	2,060	3146307	10
Chester Ave Off Ramp to H St On Ramp	2,622	2,582	98%	40	2	61	21	C	163	1750	29	2	1291	0	0	0	3,579	4620489	14
H St On Ramp to SR99 NB Off Ramp	2,955	2,916	99%	29	4	55	25	C	192	1302	24	4	1458	0	0	0	2,350	3426692	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,846	99%	27	1	57	16	B	219	782	14	1	923	0	0	0	2,163	1996449	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: Erlang2 (VEH Erlang distribution shape parameter alpha=2, CFS and PCFC at default)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	2	63	19	C	50	3128	50	2	1187	0	0	0	4,648	5518725	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,335	99%	20	1	61	18	C	70	1117	18	1	1112	0	0	0	1,768	1965427	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,920	100%	10	4	39	35	E	79	517	13	5	1640	1	13	0	555	910200	4
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,584	100%	79	9	58	30	D	158	7083	122	13	1596	0	0	0	6,695	10681873	38
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,274	99%	46	22	39	36	E	204	2824	68	33	1319	1	66	2	2,291	3020684	16
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,572	100%	21	10	31	47	F	225	1153	38	18	1643	1	29	9	926	1521418	9
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,706	98%	32	2	61	19	C	257	2576	42	3	1177	0	0	0	2,890	3400085	11
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,191	98%	10	1	59	20	C	267	830	14	1	1298	0	0	0	844	1095301	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,238	98%	36	5	57	27	D	303	3594	63	8	1560	0	0	0	3,000	4678750	15
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,072	97%	16	1	62	20	C	320	1432	23	1	1268	0	0	0	1,491	1890588	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,531	97%	9	1	57	22	C	329	823	14	2	1383	0	0	0	785	1085459	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,696	96%	30	9	45	30	D	359	2172	48	14	1424	0	0	0	2,014	2867768	11
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,025	96%	16	1	60	17	B	376	1092	18	1	1006	0	0	0	1,432	1440950	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,218	95%	33	1	63	13	B	409	1862	30	1	805	0	0	0	3,055	2457748	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,523	95%	34	2	60	14	B	443	2001	33	2	881	0	0	0	3,000	2642250	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,049	94%	40	1	63	9	A	483	1446	23	1	585	0	0	0	3,726	2180775	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	16	B	48	2541	40	1	850	0	0	0	4,498	3825228	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	34	4	57	18	B	82	2211	39	5	1031	0	0	0	2,800	2886800	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	107	1505	24	1	875	0	0	0	2,271	1985990	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	59	16	B	121	962	16	1	1059	0	0	0	1,200	1270200	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	37	7	52	24	C	157	2727	53	10	1264	0	0	0	2,800	3595200	13
California Ave Off Ramp to California Ave On Ramp	4,015	4,015	100%	13	1	62	16	B	171	949	15	1	1019	0	0	0	1,229	1252351	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,352	100%	29	3	57	19	C	200	2024	35	4	1098	0	0	0	2,433	2670218	9
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,846	99%	40	1	63	11	B	240	2003	32	1	712	0	0	0	3,714	2644368	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,773	99%	5	1	53	15	B	245	272	5	1	943	0	0	0	381	359378	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	4,003	98%	23	2	58	16	B	268	1516	26	3	1091	0	0	0	2,004	2005503	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,212	98%	35	1	63	13	B	303	1940	31	1	803	0	0	0	3,189	2560767	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,472	99%	61	4	61	17	B	363	3565	58	4	992	0	0	0	5,403	5359390	17
White Ln Off Ramp to White Ln Loop On Ramp	2,166	2,062	95%	19	0	63	11	A	382	691	11	0	687	0	0	0	1,770	1216590	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,170	95%	10	0	62	10	A	392	368	6	0	723	0	0	0	894	646660	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,233	92%	52	2	63	11	B	444	2019	32	1	744	0	0	0	4,777	3555680	10
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	44	5	54	9	A	44	665	12	1	669	0	0	0	3,523	2358061	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	58	22	C	55	623	11	1	1257	0	0	0	870	1093735	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	38	4	58	24	C	93	2113	36	4	1364	0	0	0	3,265	4452154	15
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	31	5	54	35	D	124	1799	34	6	1948	0	0	0	2,419	4713018	16
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	61	25	C	141	878	14	1	1513	0	0	0	1,533	2318663	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	59	23	C	150	447	8	1	1595	0	0	0	739	1178705	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	74	5	60	27	D	224	4185	70	5	1685	0	0	0	6,567	11063753	34
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	69	4	82	26	C	69	3736	61	3	1590	0	0	0	6,193	9844548	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,652	100%	17	1	61	22	C	86	783	13	1	1326	0	0	0	1,558	2065908	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,830	99%	13	1	59	21	C	99	580	10	1	1415	0	0	0	1,082	1531030	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,059	99%	24	2	59	24	C	123	1193	20	2	1530	0	0	0	2,060	3151113	9
Chester Ave Off Ramp to H St On Ramp	2,622	2,622	100%	40	2	61	22	C	162	1802	29	2	1330	0	0	0	3,579	4758281	15
H St On Ramp to SR99 NB Off Ramp	2,955	2,955	100%	28	4	57	25	C	191	1330	23	3	1492	0	0	0	2,350	3506883	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,867	100%	27	1	57	17	B	217	825	14	1	972	0	0	0	2,163	2101355	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: Erlang3 (VEH Erlang distribution shape parameter alpha=3, CFS and PCFC at default)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vph)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	1	63	19	C	50	3137	50	1	1191	0	0	0	4,648	5533986	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,341	100%	20	1	61	18	C	70	1119	18	1	1114	0	0	0	1,768	1969139	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	9	3	40	35	D	79	521	13	5	1651	0	0	0	555	916305	4
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,608	100%	83	13	55	31	D	162	7133	130	20	1604	0	0	0	6,685	10738111	40
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,280	99%	63	39	26	52	F	225	2404	92	57	1320	2	60	32	2,291	3024065	23
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,564	100%	20	9	32	45	F	245	1173	36	17	1641	1	29	7	926	1519566	8
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,633	96%	32	2	61	19	C	278	2535	42	3	1158	0	0	0	2,890	3347270	10
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,115	97%	10	1	59	20	C	287	818	14	1	1279	0	0	0	844	1079265	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,186	97%	36	4	57	26	D	323	3559	62	8	1547	0	0	0	3,000	4639650	15
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,110	97%	16	1	62	21	C	340	1443	23	1	1277	0	0	0	1,491	1904678	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,565	97%	9	1	58	22	C	349	828	14	2	1391	0	0	0	785	1092171	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,756	97%	30	9	46	30	D	379	2208	48	14	1439	0	0	0	2,014	2897978	11
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,049	96%	16	1	60	17	B	395	1098	18	1	1012	0	0	0	1,432	1449685	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,299	97%	33	1	63	13	B	428	1909	30	1	825	0	0	0	3,055	2519917	8
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,598	97%	34	3	60	15	B	463	2044	34	3	899	0	0	0	3,000	2698313	6
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,145	98%	40	1	63	10	A	503	1514	24	1	613	0	0	0	3,726	2283878	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	15	B	48	2529	40	1	846	0	0	0	4,498	3807493	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	33	4	58	18	B	82	2204	38	5	1028	0	0	0	2,800	2878213	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	106	1521	24	1	884	0	0	0	2,271	2007167	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	59	16	B	120	966	16	2	1063	0	0	0	1,200	1275330	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	37	8	52	24	C	157	2743	53	11	1290	0	0	0	2,000	3610787	13
California Ave Off Ramp to California Ave On Ramp	4,015	4,015	100%	14	1	62	16	B	171	941	15	1	1010	0	0	0	1,229	1241136	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,351	100%	28	3	58	18	C	199	2005	34	3	1088	0	0	0	2,433	2646617	8
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,879	100%	40	1	63	11	B	239	2025	32	1	729	0	0	0	3,714	2673244	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,770	99%	5	1	54	15	B	244	272	5	1	943	0	0	0	381	359093	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	3,992	98%	23	2	58	16	B	268	1512	26	2	998	0	0	0	2,004	2000025	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,189	98%	35	1	63	13	B	302	1926	31	1	797	0	0	0	3,189	2542510	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,442	98%	61	4	61	17	B	363	3533	58	3	984	0	0	0	5,403	5313966	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,115	98%	19	1	63	11	B	382	709	11	0	705	0	0	0	1,770	1247732	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,236	98%	10	0	63	11	A	392	379	6	0	745	0	0	0	894	666179	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,295	95%	52	2	63	12	B	444	2077	33	1	765	0	0	0	4,777	3655122	11
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	44	5	54	9	A	44	666	12	1	671	0	0	0	3,523	2365577	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	58	21	C	54	616	11	1	1244	0	0	0	870	1082256	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	38	3	59	23	C	92	2061	35	3	1331	0	0	0	3,265	4345258	14
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	31	5	54	33	D	122	1758	32	5	1895	0	0	0	2,419	4607268	15
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	61	25	C	140	872	14	1	1502	0	0	0	1,533	2302566	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	58	23	C	148	442	8	1	1580	0	0	0	739	1167620	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	75	6	60	27	D	223	4162	70	5	1675	0	0	0	6,567	11001695	34
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	70	5	61	26	D	70	3765	62	4	1592	0	0	0	6,193	9860495	31
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,653	100%	17	1	61	22	C	87	763	13	1	1326	0	0	0	1,558	2066531	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,826	99%	12	1	59	21	C	100	579	10	1	1413	0	0	0	1,082	1529092	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,047	98%	25	3	57	25	C	124	1192	21	2	1524	0	0	0	2,060	3138410	10
Chester Ave Off Ramp to H St On Ramp	2,622	2,595	99%	40	2	61	21	C	164	1759	29	2	1297	0	0	0	3,579	4642947	14
H St On Ramp to SR99 NB Off Ramp	2,955	2,918	99%	28	3	58	24	C	192	1300	23	3	1459	0	0	0	2,350	3429003	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,838	98%	27	1	57	16	B	219	780	14	1	919	0	0	0	2,163	1987473	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: Erlang4 (VEH Erlang distribution shape parameter alpha=4, CFS and PCFC at default)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	1	63	19	C	50	3129	50	1	1188	0	0	0	4,648	5519500	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,327	99%	20	1	61	18	C	70	1114	18	1	1109	0	0	0	1,768	1960712	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	10	4	38	37	E	80	521	14	5	1651	1	13	1	555	916490	4
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,608	100%	78	8	58	30	D	158	7117	122	13	1603	0	0	0	6,695	10729694	38
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,293	100%	40	16	45	32	D	199	2657	59	24	1323	0	0	0	2,291	3031566	14
Ming Ave On Ramp to SR58 EB/White Rd Off Ramp	6,576	6,576	100%	21	10	31	47	F	219	1157	38	18	1649	1	29	9	926	1527206	8
SR58 EB/White Rd Off Ramp to White Rd On Ramp	4,808	4,670	97%	32	2	61	19	C	251	2556	42	2	1168	0	0	0	2,890	3374075	10
White Rd On Ramp to SR58 WB On Ramp	5,298	5,137	97%	10	1	60	20	C	261	821	14	1	1284	0	0	0	844	1083907	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,205	97%	37	5	56	27	D	298	3577	64	9	1551	0	0	0	3,000	4654000	15
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,112	97%	16	1	62	21	C	314	1444	23	1	1278	0	0	0	1,491	1905498	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,561	97%	9	1	58	22	C	324	827	14	2	1390	0	0	0	785	1091346	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,741	97%	30	9	46	30	D	354	2193	48	14	1435	0	0	0	2,014	2890594	12
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,052	96%	16	1	59	17	B	370	1099	18	1	1013	0	0	0	1,432	1450616	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,241	96%	33	1	63	13	B	403	1875	30	1	810	0	0	0	3,055	2475314	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,558	96%	34	2	60	14	B	437	2021	34	2	689	0	0	0	3,000	2668125	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,138	98%	40	1	63	10	A	476	1509	24	1	611	0	0	0	3,726	2275521	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	16	B	48	2532	40	1	848	0	0	0	4,498	3813661	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	33	4	58	17	B	81	2207	38	4	1930	0	0	0	2,800	2883533	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	106	1516	24	1	881	0	0	0	2,271	2000751	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	59	16	B	120	963	16	2	1060	0	0	0	1,200	1271400	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	37	8	51	24	C	158	2750	53	11	1285	0	0	0	2,800	3597767	13
California Ave Off Ramp to California Ave On Ramp	4,015	4,015	100%	14	1	62	17	B	171	953	15	1	1024	0	0	0	1,229	1258496	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,352	100%	29	3	58	19	C	200	2028	35	4	1100	0	0	0	2,433	2676503	9
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,885	100%	40	1	63	11	B	240	2037	32	1	724	0	0	0	3,714	2688936	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,605	100%	5	1	53	15	B	245	274	5	1	951	0	0	0	381	362426	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	4,031	99%	23	2	58	16	B	268	1527	26	3	1008	0	0	0	2,004	2019531	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,190	98%	35	1	63	13	B	303	1926	31	1	797	0	0	0	3,189	2542829	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,443	98%	61	4	61	17	B	363	3535	58	3	984	0	0	0	5,403	5315394	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,133	99%	19	1	63	11	B	382	715	11	0	711	0	0	0	1,770	1258470	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,248	99%	10	0	63	11	A	392	380	6	0	749	0	0	0	894	669904	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,295	95%	52	2	63	12	B	444	2075	33	1	765	0	0	0	4,777	3654405	11
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	44	4	54	9	A	44	661	12	1	666	0	0	0	3,523	2346318	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	58	22	C	54	628	11	1	1267	0	0	0	870	1101855	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	38	4	58	24	C	92	2087	36	4	1347	0	0	0	3,265	4397302	15
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	31	5	54	34	D	123	1788	33	5	1936	0	0	0	2,419	4683184	16
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	61	25	C	140	893	15	1	1539	0	0	0	1,533	2358521	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	59	23	C	149	453	8	1	1619	0	0	0	739	1196072	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	75	5	60	28	D	223	4254	71	5	1712	0	0	0	6,567	11240241	35
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	68	4	62	26	C	68	3736	60	3	1590	0	0	0	6,193	9843774	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,659	100%	17	1	61	22	C	86	787	13	1	1334	0	0	0	1,558	2077583	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,844	100%	12	1	59	21	C	98	583	10	1	1422	0	0	0	1,082	1538604	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,076	99%	24	2	58	24	C	122	1197	21	2	1528	0	0	0	2,060	3167937	10
Chester Ave Off Ramp to H St On Ramp	2,622	2,604	99%	40	2	61	21	C	162	1765	29	2	1392	0	0	0	3,579	4858963	14
H St On Ramp to SR99 NB Off Ramp	2,955	2,946	100%	28	3	57	24	C	190	1314	23	3	1473	0	0	0	2,350	3461550	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,867	100%	27	1	57	17	B	217	803	14	1	947	0	0	0	2,163	2047820	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: Erlang5 (VEH Erlang distribution shape parameter alpha=5, CFS and PCFC at default)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	1	63	19	C	50	3133	50	1	1189	0	0	0	4,648	5526472	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,337	100%	20	1	62	18	B	70	1117	18	1	1112	0	0	0	1,768	1966605	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	10	4	39	36	E	79	522	13	5	1656	1	13	0	555	919080	4
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,608	100%	79	9	58	30	D	159	7170	124	14	1613	0	0	0	6,695	10801426	38
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,311	100%	52	28	38	40	E	210	2943	77	41	1330	1	74	3	2,291	3047889	17
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,576	100%	21	10	30	48	F	231	1157	38	19	1649	1	29	9	926	1526974	8
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,716	98%	32	2	61	19	C	263	2581	42	2	1179	0	0	0	2,890	3407310	11
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,173	98%	10	1	60	20	C	273	827	14	1	1293	0	0	0	844	1091503	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,279	98%	37	5	56	27	D	310	3523	64	9	1570	0	0	0	3,000	4709000	15
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,171	98%	16	1	62	21	C	326	1460	24	1	1293	0	0	0	1,491	1927490	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,627	99%	9	1	57	23	C	336	936	15	2	1407	0	0	0	785	1104299	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,787	97%	31	10	44	32	D	367	2194	50	16	1447	0	0	0	2,014	2913587	12
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,066	97%	16	1	59	17	B	383	1103	19	1	1017	0	0	0	1,432	1455628	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,277	97%	33	1	63	13	B	417	1896	30	1	819	0	0	0	3,055	2502809	8
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,587	97%	34	2	60	15	B	451	2038	34	2	897	0	0	0	3,000	2689875	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,129	97%	40	1	63	10	A	491	1503	24	1	608	0	0	0	3,726	2265940	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	16	B	48	2534	40	1	848	0	0	0	4,498	3816232	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	33	4	58	17	B	82	2201	38	4	1027	0	0	0	2,800	2876067	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	106	1543	25	1	897	0	0	0	2,271	2036519	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	59	17	B	120	980	17	2	1078	0	0	0	1,200	1293600	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	37	8	52	25	C	157	2771	54	11	1304	0	0	0	2,800	3651900	13
California Ave Off Ramp to California Ave On Ramp	4,015	4,015	100%	14	1	62	16	B	171	943	15	1	1013	0	0	0	1,229	1244977	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,350	100%	29	3	57	18	C	200	2004	35	4	1088	0	0	0	2,433	2648090	9
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,885	100%	40	1	63	11	B	240	2042	32	1	726	0	0	0	3,714	2695436	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,823	100%	5	1	53	15	B	245	276	5	1	956	0	0	0	381	364141	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	4,058	100%	24	2	58	16	B	268	1538	27	3	1015	0	0	0	2,004	2033225	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,179	97%	35	1	63	13	B	303	1920	31	1	795	0	0	0	3,189	2534458	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,427	98%	61	4	61	16	B	364	3520	58	4	979	0	0	0	5,403	5289923	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,084	96%	19	1	63	11	A	383	699	11	0	695	0	0	0	1,770	1229550	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,188	96%	10	0	63	10	A	392	370	6	0	729	0	0	0	894	652024	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,248	93%	52	1	63	11	B	444	2033	32	1	749	0	0	0	4,777	3578769	10
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	44	5	54	9	A	44	674	13	1	679	0	0	0	3,523	2390943	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	58	22	C	55	613	11	1	1238	0	0	0	870	1077060	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	38	4	59	23	C	92	2045	35	3	1320	0	0	0	3,265	4310453	14
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	30	5	55	33	D	123	1757	32	5	1905	0	0	0	2,419	4608195	15
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	61	25	C	140	892	15	1	1536	0	0	0	1,533	2354698	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	59	23	C	148	452	8	1	1613	0	0	0	739	1192007	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	75	5	60	28	D	223	4233	71	5	1704	0	0	0	6,567	11188526	35
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	69	4	62	26	C	69	3741	61	3	1592	0	0	0	6,193	9856934	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,644	99%	17	1	61	22	C	86	780	13	1	1322	0	0	0	1,558	2059676	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,833	99%	12	1	59	21	C	98	560	10	1	1417	0	0	0	1,082	1532653	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,075	99%	24	3	58	25	C	123	1198	21	2	1538	0	0	0	2,060	3167250	10
Chester Ave Off Ramp to H St On Ramp	2,622	2,622	100%	40	3	61	22	C	163	1790	29	2	1321	0	0	0	3,579	4726070	15
H St On Ramp to SR99 NB Off Ramp	2,955	2,955	100%	28	3	57	25	C	191	1320	23	3	1480	0	0	0	2,350	3477608	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,867	100%	27	1	57	17	B	218	792	14	1	934	0	0	0	2,163	2019701	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: Erlang6 (VEH Erlang distribution shape parameter alpha=6, CFS and PCFC at default)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vph)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	1	63	19	C	50	3129	49	1	1187	0	0	0	4,648	5517176	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,322	99%	20	1	62	18	B	70	1112	18	1	1107	0	0	0	1,768	1957765	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,918	100%	9	3	41	34	D	79	517	13	4	1639	0	0	0	555	909830	4
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,586	100%	79	9	58	30	D	158	7089	122	13	1595	0	0	0	6,695	10684742	38
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,284	99%	39	15	47	30	D	196	2690	57	22	1321	0	0	0	2,291	3026411	13
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,576	100%	21	10	31	47	F	217	1154	38	18	1646	1	29	9	926	1523733	8
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,680	97%	32	2	61	19	C	249	2562	42	2	1170	0	0	0	2,890	3381300	10
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,136	97%	10	1	60	20	C	259	821	14	1	1284	0	0	0	844	1083696	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,185	97%	37	5	56	27	D	296	3572	64	9	1546	0	0	0	3,000	4639000	15
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,131	98%	16	1	62	21	C	312	1449	23	1	1283	0	0	0	1,491	1912580	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,595	98%	10	2	55	23	C	322	832	15	2	1399	0	0	0	785	1098019	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,774	97%	34	13	41	34	D	356	2205	54	20	1444	0	0	0	2,014	2907209	13
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,099	97%	17	1	59	17	B	372	1112	19	2	1625	0	0	0	1,432	1467442	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,280	97%	33	1	63	13	B	406	1898	30	1	820	0	0	0	3,055	2505100	8
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,603	98%	34	3	59	15	B	440	2047	34	3	901	0	0	0	3,000	2702250	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,102	96%	40	1	63	10	A	480	1483	23	1	601	0	0	0	3,726	2237729	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	16	B	48	2532	40	1	840	0	0	0	4,498	3813019	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	34	4	58	17	B	82	2198	38	5	1024	0	0	0	2,800	2865800	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	107	1523	25	1	866	0	0	0	2,271	2010971	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	58	17	B	121	968	17	2	1065	0	0	0	1,200	1277700	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	38	8	52	24	C	158	2773	54	11	1291	0	0	0	2,800	3614800	13
California Ave Off Ramp to California Ave On Ramp	4,015	4,015	100%	14	1	62	16	B	172	946	15	1	1017	0	0	0	1,229	1249279	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,352	100%	29	3	58	18	C	200	2007	35	3	1089	0	0	0	2,433	2650551	8
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,856	99%	40	1	63	11	B	241	2009	32	1	714	0	0	0	3,714	2651796	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,774	99%	5	1	53	15	B	245	272	5	1	944	0	0	0	381	359474	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	4,000	98%	23	2	58	16	B	269	1516	26	3	1000	0	0	0	2,004	2004167	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,234	99%	35	1	63	13	B	303	1953	31	1	808	0	0	0	3,180	2577908	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,470	99%	61	4	61	17	B	364	3564	58	4	931	0	0	0	5,403	5356689	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,130	98%	19	1	63	11	B	383	714	11	0	710	0	0	0	1,770	1256700	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,267	100%	10	0	62	11	A	393	384	6	0	756	0	0	0	894	675566	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,319	96%	52	2	63	12	B	445	2097	33	1	773	0	0	0	4,777	3692621	11
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	44	5	54	9	A	44	670	12	1	674	0	0	0	3,523	2375676	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	58	22	C	55	627	11	1	1265	0	0	0	870	1100260	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	38	3	59	24	C	92	2097	35	3	1354	0	0	0	3,265	4421463	15
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	30	5	55	34	D	123	1789	33	5	1943	0	0	0	2,419	4700520	16
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	61	25	C	140	876	14	1	1309	0	0	0	1,533	2313297	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	59	22	C	148	445	8	1	1590	0	0	0	739	1174641	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	75	6	60	27	D	223	4183	70	5	1683	0	0	0	6,567	11050619	34
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	68	4	62	26	C	68	3740	60	3	1591	0	0	0	6,193	9853837	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,659	100%	17	1	61	22	C	86	793	13	1	1344	0	0	0	1,558	2093173	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,855	100%	12	1	60	21	C	98	585	10	1	1435	0	0	0	1,082	1552670	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,092	100%	24	2	59	25	C	122	1204	21	2	1546	0	0	0	2,060	3184760	10
Chester Ave Off Ramp to H St On Ramp	2,622	2,613	100%	40	2	61	21	C	162	1771	29	2	1307	0	0	0	3,579	4675964	14
H St On Ramp to SR99 NB Off Ramp	2,955	2,953	100%	28	3	57	24	C	190	1316	23	3	1476	0	0	0	2,350	3469383	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,867	100%	27	1	57	17	B	216	805	14	1	949	0	0	0	2,163	2051606	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: Erlang7 (VEH Erlang distribution shape parameter alpha=7, CFS and PCFC at default)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	1	63	19	C	50	3133	50	1	1189	0	0	0	4,648	5525897	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,325	99%	19	1	62	18	B	70	1113	18	1	1168	0	0	0	1,768	1959533	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	10	3	40	35	E	79	521	13	5	1652	1	13	0	555	917045	4
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,608	100%	78	8	58	30	D	158	7134	122	13	1607	0	0	0	6,695	10759343	38
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,301	100%	49	24	39	38	E	206	2808	72	36	1325	1	70	2	2,291	3036148	16
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,576	100%	21	10	30	48	F	227	1153	38	19	1644	1	29	10	926	1522576	8
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,700	98%	32	2	61	19	C	259	2573	42	2	1175	0	0	0	2,890	3395750	11
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,166	98%	10	1	60	20	C	269	826	14	1	1292	0	0	0	844	1090026	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,223	97%	36	4	57	26	D	305	3577	62	8	1556	0	0	0	3,000	4667500	15
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,129	98%	16	1	62	21	C	321	1448	23	1	1282	0	0	0	1,491	1911835	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,567	97%	9	1	57	22	C	331	827	14	2	1392	0	0	0	785	1092524	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,731	96%	30	9	46	30	D	361	2172	48	14	1433	0	0	0	2,014	2885391	11
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,075	97%	16	1	60	17	B	377	1105	18	1	1019	0	0	0	1,432	1458850	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,288	97%	33	1	63	13	B	410	1902	30	1	822	0	0	0	3,055	2511210	8
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,611	98%	34	3	60	15	B	444	2052	34	3	903	0	0	0	3,000	2708250	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,137	98%	40	1	63	10	A	485	1508	24	1	611	0	0	0	3,726	2274969	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	46	1	64	15	B	48	2533	40	1	848	0	0	0	4,498	3814304	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	34	4	57	18	B	82	2202	38	5	1026	0	0	0	2,800	2871400	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	107	1502	24	1	873	0	0	0	2,271	1982015	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	58	16	B	121	956	16	2	1052	0	0	0	1,200	1262700	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	38	8	51	24	C	158	2722	53	11	1280	0	0	0	2,800	3583300	13
California Ave Off Ramp to California Ave On Ramp	4,015	3,986	99%	14	1	62	16	B	172	928	15	1	997	0	0	0	1,229	1224699	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,293	99%	28	3	58	18	B	200	1979	34	3	1073	0	0	0	2,433	2611015	8
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,864	99%	40	1	63	11	B	240	2015	32	1	716	0	0	0	3,714	2659224	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,766	99%	5	1	54	15	B	245	271	5	1	842	0	0	0	381	358712	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	3,996	98%	23	2	58	16	B	268	1514	26	2	999	0	0	0	2,004	2002183	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,202	98%	34	1	63	13	B	303	1934	31	1	800	0	0	0	3,189	2552396	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,456	98%	61	4	61	17	B	363	3549	58	3	987	0	0	0	5,403	5335077	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,162	100%	19	1	63	11	B	382	725	12	0	721	0	0	0	1,770	1275580	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,273	100%	10	0	62	11	A	392	385	6	0	758	0	0	0	894	677354	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,319	96%	52	2	63	12	B	444	2097	33	1	773	0	0	0	4,777	3691825	11
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	44	5	54	9	A	44	669	12	1	674	0	0	0	3,523	2373328	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	58	21	C	54	613	11	1	1237	0	0	0	870	1076335	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	38	3	59	23	C	92	2055	35	3	1327	0	0	0	3,285	4333308	14
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	31	5	54	33	D	123	1745	32	5	1695	0	0	0	2,419	4583602	15
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	61	25	C	140	867	14	1	1494	0	0	0	1,533	2289536	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	59	22	C	148	438	7	1	1567	0	0	0	739	1157644	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	74	5	60	27	D	223	4122	69	5	1658	0	0	0	6,567	10869728	34
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	68	4	62	26	C	68	3741	60	3	1591	0	0	0	6,193	9855385	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,659	100%	17	1	61	22	C	86	786	13	1	1332	0	0	0	1,558	2075256	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,852	100%	12	1	60	21	C	98	585	10	1	1426	0	0	0	1,082	1542932	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,081	100%	24	2	58	24	C	122	1200	21	2	1541	0	0	0	2,060	3173773	10
Chester Ave Off Ramp to H St On Ramp	2,622	2,622	100%	40	2	61	21	C	162	1781	29	2	1314	0	0	0	3,579	4701911	14
H St On Ramp to SR99 NB Off Ramp	2,955	2,947	100%	28	3	58	24	C	190	1314	23	2	1474	0	0	0	2,350	3462725	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,867	100%	27	1	57	17	B	216	806	14	1	951	0	0	0	2,163	2056472	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: Erlang8 (VEH Erlang distribution shape parameter alpha=8, CFS and PCFC at default)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vph)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	1	63	19	C	50	3132	50	1	1169	0	0	0	4,648	5524148	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,343	100%	20	1	62	18	C	70	1120	18	1	1114	0	0	0	1,768	1970141	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	9	3	40	35	D	79	520	13	5	1648	0	0	0	555	914825	4
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,577	99%	81	11	56	30	D	160	7059	126	17	1594	0	0	0	6,695	10668483	39
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,264	99%	59	35	28	48	F	219	2416	87	51	1316	1	60	26	2,291	3014670	21
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,556	100%	21	10	30	48	F	240	1150	38	19	1639	1	29	9	926	1517714	8
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,636	96%	32	2	61	19	C	272	2538	42	3	1159	0	0	0	2,890	3349510	10
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,120	97%	10	1	60	20	C	282	818	14	1	1280	0	0	0	844	1080320	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,134	96%	36	5	57	26	D	318	3524	62	8	1533	0	0	0	3,000	4600250	15
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,043	96%	16	1	62	20	C	335	1424	23	1	1261	0	0	0	1,491	1879778	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,472	96%	10	2	52	24	C	345	813	16	3	1368	0	0	0	785	1073880	4
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,658	95%	31	10	44	31	D	376	2146	49	15	1415	0	0	0	2,014	2848803	12
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,000	95%	16	1	59	17	B	393	1085	18	1	1000	0	0	0	1,432	1432000	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,213	95%	33	1	63	13	B	426	1859	30	1	803	0	0	0	3,055	2453929	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,543	96%	34	3	60	14	B	460	2012	34	2	886	0	0	0	3,000	2658875	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,115	97%	40	1	63	10	A	500	1493	24	1	604	0	0	0	3,726	2251569	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	16	B	48	2537	40	1	849	0	0	0	4,498	3820087	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	34	4	57	18	B	82	2205	38	5	1629	0	0	0	2,800	2881200	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	107	1504	24	1	874	0	0	0	2,271	1984854	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	58	16	B	121	959	16	2	1055	0	0	0	1,200	1266000	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	37	7	52	24	C	158	2730	52	11	1279	0	0	0	2,800	3580033	13
California Ave Off Ramp to California Ave On Ramp	4,015	4,015	100%	14	1	62	16	B	171	944	15	1	1013	0	0	0	1,229	1245284	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,352	100%	29	3	58	18	C	200	2016	35	4	1095	0	0	0	2,433	2662919	8
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,885	100%	40	1	63	12	B	240	2059	33	1	732	0	0	0	3,714	2717720	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,823	100%	5	1	53	15	B	245	277	5	1	960	0	0	0	381	365855	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	4,068	100%	23	2	58	16	B	268	1539	26	3	1017	0	0	0	2,004	2038235	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,237	99%	35	1	63	13	B	303	1954	31	1	809	0	0	0	3,189	2580898	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,485	99%	61	4	61	17	B	363	3578	59	4	996	0	0	0	5,403	5379844	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,150	99%	19	1	63	11	B	383	721	11	0	717	0	0	0	1,770	1268500	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,275	100%	10	0	62	11	A	392	385	6	0	758	0	0	0	894	677950	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,327	96%	52	2	63	12	B	444	2105	34	1	776	0	0	0	4,777	3705360	11
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	44	5	54	9	A	44	665	12	1	671	0	0	0	3,523	2362759	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	58	22	C	54	625	11	1	1262	0	0	0	870	1097650	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	39	4	58	24	C	93	2109	36	4	1360	0	0	0	3,265	4439747	15
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	31	5	54	34	D	124	1790	33	6	1940	0	0	0	2,419	4692054	16
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	61	25	C	141	887	15	1	1528	0	0	0	1,533	2342424	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	59	23	C	149	449	8	1	1602	0	0	0	739	1183878	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	75	6	60	28	D	224	4192	70	5	1687	0	0	0	6,567	11080171	34
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	68	4	62	26	C	68	3740	60	3	1591	0	0	0	6,193	9853837	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,828	99%	17	1	61	21	C	86	776	13	1	1314	0	0	0	1,558	2047212	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,814	99%	12	1	60	21	C	98	577	10	1	1407	0	0	0	1,082	1522374	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,050	99%	24	2	58	24	C	122	1188	20	2	1525	0	0	0	2,060	3141843	9
Chester Ave Off Ramp to H St On Ramp	2,622	2,539	97%	40	2	61	21	C	162	1721	28	2	1270	0	0	0	3,579	4543541	14
H St On Ramp to SR99 NB Off Ramp	2,955	2,862	97%	28	3	57	24	C	190	1275	22	3	1431	0	0	0	2,350	3362850	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,851	99%	27	1	57	16	B	217	786	14	1	925	0	0	0	2,163	2001316	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: Erlang9 (VEH Erlang distribution shape parameter alpha=9, CFS and PCFC at default)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	1	63	19	C	50	3134	50	1	1189	0	0	0	4,648	5528021	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,334	99%	19	1	62	18	B	70	1116	18	1	1111	0	0	0	1,768	1964837	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	9	3	40	35	D	79	522	13	5	1654	0	0	0	555	916155	4
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,608	100%	80	9	57	30	D	159	7122	124	15	1607	0	0	0	6,695	10759321	38
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,311	100%	58	34	31	46	F	216	2618	85	50	1329	1	65	20	2,291	3045312	20
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,576	100%	21	10	30	48	F	237	1154	38	18	1645	1	29	9	926	1523039	8
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,664	97%	32	2	61	19	C	270	2553	42	3	1165	0	0	0	2,890	3369740	10
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,151	97%	10	1	60	20	C	279	823	14	1	1288	0	0	0	844	1086861	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,213	97%	36	5	57	26	D	315	3566	62	8	1553	0	0	0	3,000	4659500	15
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,120	97%	16	1	62	21	C	332	1446	23	1	1280	0	0	0	1,491	1908480	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,566	97%	10	2	53	24	C	342	827	16	3	1392	0	0	0	785	1092320	4
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,739	97%	34	13	41	34	D	376	2187	54	20	1435	0	0	0	2,014	2889754	13
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,003	95%	17	1	59	17	B	392	1086	18	2	1001	0	0	0	1,432	1433074	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,194	94%	33	1	63	13	B	425	1848	30	1	799	0	0	0	3,055	2439418	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,508	95%	34	2	60	14	B	460	1993	33	2	877	0	0	0	3,000	2630625	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,125	97%	40	1	63	10	A	500	1500	24	1	607	0	0	0	3,726	2261682	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	16	B	48	2535	40	1	849	0	0	0	4,498	3816874	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	34	4	57	18	B	82	2203	39	5	1028	0	0	0	2,800	2878400	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	107	1528	25	1	899	0	0	0	2,271	2017784	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	58	17	B	121	973	17	2	1070	0	0	0	1,200	1284000	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	39	9	49	26	C	160	2763	56	14	1297	0	0	0	2,800	3630200	14
California Ave Off Ramp to California Ave On Ramp	4,015	4,015	100%	14	1	61	17	B	173	948	16	1	1019	0	0	0	1,229	1251737	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,352	100%	29	3	58	18	C	202	2017	35	4	1094	0	0	0	2,433	2662108	9
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,849	99%	40	1	63	11	B	242	2004	32	1	712	0	0	0	3,714	2645297	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,771	99%	5	1	52	15	B	247	272	5	1	943	0	0	0	381	359168	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	4,009	98%	23	2	59	16	B	270	1518	26	2	1002	0	0	0	2,004	2008676	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,218	98%	35	1	63	13	B	305	1943	31	1	684	0	0	0	3,189	2565152	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,461	99%	61	4	61	17	B	365	3553	58	3	969	0	0	0	5,403	5342409	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,162	100%	19	1	63	11	B	385	725	12	0	721	0	0	0	1,770	1275580	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,276	100%	10	0	62	11	A	394	385	6	0	759	0	0	0	894	678248	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,338	97%	52	2	63	12	B	446	2114	34	1	779	0	0	0	4,777	3722079	11
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	44	5	54	9	A	44	674	12	1	679	0	0	0	3,523	2393291	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	58	22	C	54	633	11	1	1277	0	0	0	870	1110700	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	38	4	59	24	C	92	2095	35	3	1352	0	0	0	3,265	4415586	15
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	31	5	54	34	D	123	1789	33	6	1639	0	0	0	2,419	4690038	16
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	61	25	C	140	882	14	1	1519	0	0	0	1,533	2328627	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	59	23	C	148	448	8	1	1599	0	0	0	739	1181661	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	74	5	60	27	D	223	4210	70	5	1694	0	0	0	6,567	11126961	34
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,188	3,188	100%	69	4	62	26	C	69	3745	61	3	1593	0	0	0	6,193	9863901	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,659	100%	17	1	61	22	C	86	785	13	1	1330	0	0	0	1,558	2072140	6
Brundage Ln On Ramp to Union Ave On Ramp	2,835	2,835	99%	12	1	60	21	C	98	581	10	1	1418	0	0	0	1,082	1533735	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,068	99%	24	2	58	25	C	122	1195	21	2	1534	0	0	0	2,060	3160040	10
Chester Ave Off Ramp to H St On Ramp	2,622	2,622	100%	40	2	61	22	C	162	1779	29	2	1313	0	0	0	3,579	4697438	15
H St On Ramp to SR99 NB Off Ramp	2,955	2,951	100%	29	4	56	25	C	191	1315	24	3	1475	0	0	0	2,350	3467033	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,867	100%	27	1	57	17	B	218	799	14	1	942	0	0	0	2,163	2038087	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: CFS-1%+1% (VEH constant, CFS -1% for driver types 1 to 5; +1% for driver types 6 to 10, PCFC at default)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vph)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	1	63	19	C	50	3136	50	1	1109	0	0	0	4,648	5528021	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,339	100%	20	1	62	18	C	70	1116	18	1	1113	0	0	0	1,768	1967784	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	10	3	40	35	E	79	521	13	5	1653	1	13	0	555	917415	4
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,608	100%	80	10	57	30	D	160	7108	125	16	1604	0	0	0	6,695	10739736	39
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,311	100%	63	39	26	52	F	222	2409	93	57	1332	2	60	33	2,291	3052185	22
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,576	100%	21	10	30	48	F	243	1161	39	19	1655	1	29	10	926	1532762	8
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,712	98%	32	2	61	19	C	276	2579	42	3	1176	0	0	0	2,890	3404420	11
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,160	98%	10	1	60	20	C	285	828	14	1	1295	0	0	0	844	1092980	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,280	98%	37	6	56	27	D	323	3627	65	10	1570	0	0	0	3,000	4709750	16
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,247	100%	17	1	62	21	C	339	1482	24	1	1312	0	0	0	1,491	1955819	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,705	100%	10	2	53	25	C	349	848	16	3	1426	0	0	0	785	1119606	4
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,865	99%	36	15	38	37	E	385	2235	59	24	1466	1	56	3	2,014	2952860	14
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,068	97%	17	1	59	17	B	402	1103	19	2	1017	0	0	0	1,432	1456344	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,274	97%	33	1	62	13	B	435	1894	30	1	819	0	0	0	3,055	2500518	8
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,581	97%	34	3	59	15	B	470	2035	34	3	895	0	0	0	3,000	2685750	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,146	98%	40	1	63	10	A	510	1515	24	1	613	0	0	0	3,726	2284570	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	16	B	48	2534	40	1	849	0	0	0	4,498	3816874	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	33	3	58	17	B	81	2219	38	4	1038	0	0	0	2,800	2905000	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	106	1519	24	1	853	0	0	0	2,271	2004725	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	59	16	B	120	963	16	2	1059	0	0	0	1,200	1270800	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,040	99%	36	6	53	23	C	156	2881	51	9	1260	0	0	0	2,800	3527767	12
California Ave Off Ramp to California Ave On Ramp	4,015	3,949	98%	13	1	62	16	B	169	919	15	1	987	0	0	0	1,229	1213330	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,258	98%	29	3	58	18	B	198	1963	34	4	1665	0	0	0	2,433	2590131	8
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,826	98%	40	1	63	11	B	238	1988	31	1	707	0	0	0	3,714	2623941	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,734	96%	5	1	52	15	B	243	269	5	1	934	0	0	0	381	355664	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	3,970	97%	23	2	58	16	B	267	1502	26	2	992	0	0	0	2,004	1988803	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,237	99%	35	1	63	13	B	301	1955	31	1	809	0	0	0	3,189	2580898	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,479	99%	61	3	61	17	B	362	3571	58	3	994	0	0	0	5,403	5369010	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,119	98%	19	1	63	11	B	381	710	11	0	706	0	0	0	1,770	1250210	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,250	99%	10	0	62	11	A	391	381	6	0	750	0	0	0	894	670500	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,311	96%	52	2	63	12	B	442	2090	33	1	770	0	0	0	4,777	3679086	11
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	44	5	54	10	A	44	679	13	1	684	0	0	0	3,523	2408558	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	58	22	C	55	627	11	1	1264	0	0	0	870	1099970	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	38	4	59	24	C	92	2078	35	3	1342	0	0	0	3,265	4381630	15
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	31	5	54	34	D	123	1780	33	5	1931	0	0	0	2,419	4670686	15
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	61	24	C	140	863	14	1	1487	0	0	0	1,533	2279571	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	59	22	C	149	438	7	1	1565	0	0	0	739	1156166	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	74	5	60	27	D	223	4098	68	5	1650	0	0	0	6,567	10833087	33
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	68	3	62	26	C	68	3740	60	3	1591	0	0	0	6,193	9852289	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,659	100%	17	1	61	22	C	85	792	13	1	1343	0	0	0	1,558	2091615	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,855	100%	12	1	59	21	C	98	586	10	1	1431	0	0	0	1,082	1547801	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,096	100%	24	2	58	25	C	122	1208	21	2	1551	0	0	0	2,060	3195403	10
Chester Ave Off Ramp to H St On Ramp	2,622	2,622	100%	40	2	61	22	C	162	1808	30	2	1334	0	0	0	3,579	4773491	15
H St On Ramp to SR99 NB Off Ramp	2,955	2,955	100%	28	4	57	25	C	190	1333	24	3	1496	0	0	0	2,350	3514425	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,867	100%	27	1	57	17	B	217	798	14	1	940	0	0	0	2,163	2033761	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: CFS-2%+2% (VEH constant, CFS -2% for driver types 1 to 5; +2% for driver types 6 to 10, PCFC at default)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	2	63	19	C	50	3135	50	1	1169	0	0	0	4,648	5526472	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,330	99%	20	1	61	18	C	70	1115	18	1	1110	0	0	0	1,768	1962480	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	10	4	38	37	E	80	518	14	5	1643	1	13	1	555	911865	4
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,608	100%	79	9	58	30	D	159	7122	123	14	1604	0	0	0	6,695	10739258	38
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,308	100%	58	33	32	45	E	216	2710	85	49	1327	1	68	17	2,291	3040157	20
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,576	100%	21	10	31	48	F	237	1162	38	18	1656	1	29	9	926	1533688	8
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,706	98%	32	2	61	19	C	269	2575	42	3	1177	0	0	0	2,890	3400095	11
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,168	98%	10	1	60	20	C	279	827	14	1	1292	0	0	0	844	1090448	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,249	98%	37	6	56	27	D	316	3610	64	10	1562	0	0	0	3,000	4686500	15
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,184	98%	17	1	62	21	C	333	1458	24	1	1291	0	0	0	1,491	1924881	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,630	99%	10	1	56	23	C	342	837	15	2	1408	0	0	0	785	1104888	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,790	97%	32	11	43	33	D	374	2206	52	18	1448	0	0	0	2,014	2915265	12
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,077	97%	17	1	59	17	B	391	1106	19	2	1019	0	0	0	1,432	1459566	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,226	95%	33	1	62	13	B	424	1867	30	1	807	0	0	0	3,055	2463858	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,552	96%	34	3	60	14	B	459	2018	34	2	888	0	0	0	3,000	2664000	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,040	93%	40	1	63	9	A	499	1440	23	1	583	0	0	0	3,726	2171726	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	16	B	48	2535	40	1	849	0	0	0	4,498	3816874	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	33	4	58	17	B	81	2195	38	4	1024	0	0	0	2,800	2867667	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	106	1505	24	1	875	0	0	0	2,271	1986557	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	59	16	B	120	960	16	2	1056	0	0	0	1,200	1267200	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	36	7	53	24	C	156	2735	52	10	1284	0	0	0	2,800	3594033	13
California Ave Off Ramp to California Ave On Ramp	4,015	4,015	100%	13	1	62	16	B	170	950	15	1	1020	0	0	0	1,229	1253887	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,352	100%	29	3	57	19	C	199	2010	35	4	1030	0	0	0	2,433	2652984	9
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,869	99%	40	1	63	11	B	239	2018	32	1	717	0	0	0	3,714	2663867	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,761	98%	5	1	53	15	B	244	271	5	1	940	0	0	0	381	358235	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	3,999	98%	23	2	58	16	B	267	1514	26	3	1000	0	0	0	2,004	2003499	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,189	98%	35	1	63	13	B	302	1925	31	1	797	0	0	0	3,189	2542032	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,417	97%	61	4	61	16	B	362	3508	58	4	976	0	0	0	5,403	5274100	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,081	96%	19	1	63	11	A	381	698	11	0	694	0	0	0	1,770	1227790	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,207	97%	10	0	63	11	A	391	374	6	0	736	0	0	0	894	657686	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,260	94%	52	1	63	12	B	443	2043	32	1	753	0	0	0	4,777	3597877	10
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	44	5	54	9	A	44	664	12	1	670	0	0	0	3,523	2359236	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	58	22	C	54	622	11	1	1254	0	0	0	870	1090980	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	38	3	59	24	C	92	2102	36	3	1359	0	0	0	3,265	4432564	15
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	31	5	54	34	D	122	1784	33	5	1934	0	0	0	2,419	4678346	16
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	61	25	C	140	879	14	1	1513	0	0	0	1,533	2319429	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	59	22	C	146	446	8	1	1593	0	0	0	739	1177227	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	74	5	60	27	D	223	4189	70	5	1686	0	0	0	6,567	11069499	34
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	68	3	62	26	C	68	3741	60	3	1592	0	0	0	6,193	9857708	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,659	100%	17	1	61	22	C	86	785	13	1	1330	0	0	0	1,558	2072140	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,850	100%	12	1	60	21	C	98	584	10	1	1425	0	0	0	1,082	1541850	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,093	100%	24	3	57	25	C	122	1204	21	2	1546	0	0	0	2,060	3185447	10
Chester Ave Off Ramp to H St On Ramp	2,622	2,610	100%	40	2	61	21	C	162	1768	29	2	1305	0	0	0	3,579	4669760	14
H St On Ramp to SR99 NB Off Ramp	2,955	2,929	99%	28	3	57	24	C	190	1305	23	3	1464	0	0	0	2,350	3441183	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,848	99%	27	1	57	16	B	217	784	14	1	924	0	0	0	2,153	1998071	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: CFS-3%+3% (VEH constant, CFS -3% for driver types 1 to 5; +3% for driver types 6 to 10, PCFC at default)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	1	63	19	C	50	3137	50	1	1189	0	0	0	4,648	5527247	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,353	100%	20	1	62	18	C	70	1123	18	1	1118	0	0	0	1,768	1977213	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	10	4	38	37	E	80	523	14	5	1660	1	13	1	555	921485	4
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,608	100%	79	8	58	30	D	158	7142	123	13	1808	0	0	0	6,695	10765560	38
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,298	100%	49	25	37	38	E	207	2678	72	36	1324	1	67	5	2,291	3034143	17
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,576	100%	21	10	30	48	F	228	1157	38	19	1649	1	29	9	926	1527206	8
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,751	99%	32	2	61	20	C	260	2600	43	3	1188	0	0	0	2,890	3432598	11
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,224	99%	10	1	60	20	C	270	835	14	1	1306	0	0	0	844	1102264	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,314	99%	38	6	56	28	D	307	3658	66	10	1579	0	0	0	3,000	4735500	16
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,199	99%	17	1	61	21	C	324	1469	24	1	1309	0	0	0	1,491	1937927	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,633	99%	13	5	41	31	D	337	838	20	8	1408	0	0	0	785	1105476	5
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,823	98%	38	16	36	38	E	375	2222	61	27	1456	1	56	5	2,014	2931881	15
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,121	98%	17	1	59	18	B	392	1118	19	2	1030	0	0	0	1,432	1475318	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,268	96%	33	1	63	13	B	425	1891	30	1	817	0	0	0	3,055	2495935	8
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,581	97%	34	3	60	15	B	459	2035	34	3	895	0	0	0	3,000	2685375	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,072	95%	40	1	63	10	A	499	1463	23	1	592	0	0	0	3,726	2205792	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	15	B	48	2535	40	1	849	0	0	0	4,498	3818159	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	33	4	58	18	B	81	2213	38	5	1033	0	0	0	2,800	2891000	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	106	1533	25	1	891	0	0	0	2,271	2023461	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	59	16	B	120	972	16	1	1069	0	0	0	1,200	1283100	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	38	8	51	25	C	158	2761	54	12	1294	0	0	0	2,800	3623200	13
California Ave Off Ramp to California Ave On Ramp	4,015	4,015	100%	14	1	62	17	B	171	952	15	1	1022	0	0	0	1,229	1255038	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,352	100%	29	3	57	19	C	200	2023	35	4	1098	0	0	0	2,433	2670823	9
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,883	100%	40	1	63	11	B	240	2028	32	1	721	0	0	0	3,714	2676866	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,770	99%	5	1	53	15	B	245	272	5	1	943	0	0	0	381	359093	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	3,998	98%	23	2	58	16	B	269	1513	26	3	999	0	0	0	2,004	2002831	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,159	97%	35	1	63	13	B	303	1907	30	1	790	0	0	0	3,189	2518114	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,396	97%	61	4	61	16	B	364	3487	57	3	970	0	0	0	5,403	5242840	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,069	96%	19	1	63	11	A	383	694	11	0	690	0	0	0	1,770	1220710	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,194	96%	10	0	63	11	A	393	372	6	0	731	0	0	0	894	653812	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,252	93%	52	2	63	12	B	444	2037	32	1	751	0	0	0	4,777	3585935	10
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	43	4	55	9	A	43	671	12	1	678	0	0	0	3,523	2387420	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	58	21	C	54	615	11	1	1241	0	0	0	870	1079960	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	38	3	59	23	C	91	2070	35	3	1336	0	0	0	3,265	4362693	14
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	31	5	54	34	D	122	1769	32	5	1315	0	0	0	2,419	4631982	15
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	61	24	C	139	866	14	1	1491	0	0	0	1,533	2284937	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	59	22	C	147	439	7	1	1567	0	0	0	739	1157644	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	74	5	60	27	D	222	4107	68	5	1653	0	0	0	6,567	10857714	33
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,188	3,188	100%	68	3	62	26	C	68	3740	60	3	1592	0	0	0	6,193	9856934	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,656	100%	17	1	62	22	C	85	784	13	1	1328	0	0	0	1,558	2069024	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,846	100%	12	1	59	21	C	98	503	10	1	1423	0	0	0	1,082	1539686	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,076	99%	24	3	58	25	C	122	1198	21	2	1538	0	0	0	2,060	3166623	10
Chester Ave Off Ramp to H St On Ramp	2,622	2,603	99%	40	2	61	21	C	162	1765	29	2	1302	0	0	0	3,579	4658069	14
H St On Ramp to SR99 NB Off Ramp	2,955	2,938	99%	28	4	56	25	C	190	1310	23	3	1469	0	0	0	2,359	3452150	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,833	98%	27	1	57	16	B	217	777	14	1	917	0	0	0	2,163	1982390	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: CFS-4%+4% (VEH constant, CFS -4% for driver types 1 to 5; +4% for driver types 6 to 10, PCFC at default)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	1	63	19	C	50	3135	50	1	1189	0	0	0	4,648	5525697	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,309	99%	20	1	62	18	B	70	1108	18	1	1103	0	0	0	1,768	1950104	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	10	4	39	36	E	79	518	13	5	1641	1	13	0	555	910940	4
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,581	100%	79	8	58	30	D	158	7083	122	13	1594	0	0	0	6,695	10674699	38
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,263	99%	49	25	38	38	E	207	2769	72	37	1316	1	69	3	2,291	3014097	16
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,552	100%	21	10	30	46	F	228	1149	38	18	1638	1	29	9	926	1516788	8
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,660	97%	32	2	61	19	C	261	2551	42	3	1165	0	0	0	2,890	3366850	10
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,147	97%	10	1	60	20	C	270	822	14	1	1287	0	0	0	844	1086017	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,227	98%	36	5	57	27	D	306	3582	63	8	1557	0	0	0	3,000	4670000	15
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,173	98%	16	1	62	21	C	323	1461	24	1	1293	0	0	0	1,491	1928236	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,621	98%	10	1	56	23	C	332	835	15	2	1405	0	0	0	785	1103121	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,803	98%	32	11	43	32	D	364	2213	51	17	1451	0	0	0	2,014	2921811	12
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,038	96%	16	1	60	17	B	381	1095	18	1	1010	0	0	0	1,432	1445604	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,264	96%	33	1	63	13	B	414	1889	30	1	816	0	0	0	3,055	2492880	8
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,580	97%	34	2	60	15	B	448	2034	34	2	895	0	0	0	3,000	2685000	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,113	97%	40	1	63	10	A	488	1491	24	1	604	0	0	0	3,726	2249439	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	16	B	48	2535	40	1	849	0	0	0	4,498	3817517	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,082	4,082	100%	33	4	58	18	B	82	2208	38	5	1031	0	0	0	2,600	2887267	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	106	1514	24	1	880	0	0	0	2,271	1998480	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	58	16	B	120	962	16	2	1058	0	0	0	1,200	1269300	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	37	7	52	24	C	157	2711	52	10	1274	0	0	0	2,800	3567900	13
California Ave Off Ramp to California Ave On Ramp	4,015	3,990	99%	14	1	62	16	B	171	928	15	1	998	0	0	0	1,229	1225928	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,297	99%	28	3	58	18	B	199	1980	34	3	1074	0	0	0	2,433	2613448	8
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,833	98%	40	1	63	11	B	239	1993	32	1	708	0	0	0	3,714	2630441	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,785	99%	5	1	52	15	B	244	273	5	1	946	0	0	0	381	360521	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	4,027	99%	23	2	58	16	B	268	1524	26	3	1007	0	0	0	2,004	2017694	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,184	97%	34	1	63	13	B	302	1923	31	1	796	0	0	0	3,189	2538444	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,423	97%	61	4	61	16	B	363	3514	58	3	978	0	0	0	5,403	5284134	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,093	97%	19	1	63	11	B	382	702	11	0	698	0	0	0	1,770	1234870	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,219	97%	10	0	63	11	A	391	376	6	0	740	0	0	0	894	661262	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,280	94%	52	2	63	12	B	443	2061	33	1	760	0	0	0	4,777	3629724	11
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	44	4	54	9	A	44	677	12	1	684	0	0	0	3,523	2408556	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	58	22	C	54	622	11	1	1256	0	0	0	870	1092720	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	38	4	58	24	C	92	2079	36	4	1341	0	0	0	3,265	4379671	15
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	30	5	55	33	D	122	1771	32	5	1923	0	0	0	2,419	4652140	15
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	61	25	C	140	874	14	1	1506	0	0	0	1,533	2307932	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	58	23	C	148	443	8	1	1584	0	0	0	739	1170576	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	75	6	60	27	D	223	4151	69	5	1671	0	0	0	6,567	10970174	34
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	68	3	62	26	C	88	3740	60	3	1592	0	0	0	6,193	9856160	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,638	99%	17	1	61	22	C	85	778	13	1	1319	0	0	0	1,558	2055002	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,817	99%	12	1	59	21	C	98	577	10	1	1409	0	0	0	1,082	1523997	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,059	99%	24	3	58	25	C	122	1192	21	2	1530	0	0	0	2,060	3151113	10
Chester Ave Off Ramp to H St On Ramp	2,622	2,566	98%	40	2	61	21	C	162	1739	28	2	1283	0	0	0	3,579	4591857	14
H St On Ramp to SR99 NB Off Ramp	2,955	2,897	98%	28	3	57	24	C	190	1291	23	3	1449	0	0	0	2,350	3403975	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,816	97%	27	1	57	16	B	217	771	14	1	998	0	0	0	2,163	1964004	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: CFS-5%+5% (VEH constant, CFS -5% for driver types 1 to 5; +5% for driver types 6 to 10, PCFC at default)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	1	63	19	C	50	3135	50	1	1109	0	0	0	4,648	5526472	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,331	99%	19	1	62	16	B	70	1115	18	1	1110	0	0	0	1,768	1963069	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	9	3	42	33	D	78	521	12	4	1651	0	0	0	555	916490	3
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,608	100%	79	8	58	30	D	157	7103	123	13	1603	0	0	0	6,695	10731607	38
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,279	99%	49	25	35	40	E	207	2503	73	37	1320	1	63	10	2,291	3023261	17
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,576	100%	21	10	30	48	F	227	1158	38	18	1650	1	29	9	926	1527900	8
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,753	99%	32	2	61	19	C	259	2601	42	2	1188	0	0	0	2,890	3434043	11
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,225	99%	10	1	60	20	C	269	835	14	1	1305	0	0	0	844	1102475	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,301	99%	36	5	57	27	D	305	3630	63	8	1575	0	0	0	3,000	4725500	15
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,197	99%	16	1	62	21	C	322	1468	24	1	1299	0	0	0	1,491	1937182	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,641	99%	10	2	53	24	C	332	839	16	3	1410	0	0	0	785	1107046	4
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,830	98%	32	11	43	32	D	364	2214	52	17	1457	0	0	0	2,014	2935237	12
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,108	98%	16	1	60	17	B	380	1114	19	1	1027	0	0	0	1,432	1470664	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,322	98%	33	1	63	13	B	413	1922	31	1	831	0	0	0	3,055	2537178	8
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,638	98%	34	2	60	15	B	447	2067	34	2	969	0	0	0	3,000	2728125	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,165	99%	40	1	63	10	A	487	1528	24	1	618	0	0	0	3,726	2304265	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	16	B	48	2534	40	1	849	0	0	0	4,498	3816874	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	33	4	58	17	B	82	2205	38	4	1029	0	0	0	2,800	2881900	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	106	1521	24	1	884	0	0	0	2,271	2007564	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	59	16	B	120	965	16	2	1061	0	0	0	1,200	1273500	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	37	7	52	24	C	157	2732	52	10	1286	0	0	0	2,800	3600333	13
California Ave Off Ramp to California Ave On Ramp	4,015	4,015	100%	14	1	62	16	B	170	947	15	1	1018	0	0	0	1,229	1250508	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,352	100%	29	3	57	19	C	199	2018	35	4	1094	0	0	0	2,433	2661499	9
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,885	100%	40	1	63	11	B	239	2043	32	1	726	0	0	0	3,714	2696364	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,794	99%	5	1	52	15	B	244	274	5	1	949	0	0	0	381	361379	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	4,031	99%	23	2	58	16	B	268	1527	26	3	1068	0	0	0	2,004	2019364	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,206	98%	34	1	63	13	B	302	1936	31	1	602	0	0	0	3,189	2555984	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,452	98%	60	4	61	16	B	362	3543	58	3	986	0	0	0	5,403	5328516	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,083	96%	19	1	63	11	A	381	698	11	0	694	0	0	0	1,770	1228970	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,205	97%	10	0	63	11	A	391	373	6	0	735	0	0	0	894	657090	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,266	94%	52	2	63	12	B	443	2049	32	1	755	0	0	0	4,777	3607431	10
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	44	4	55	9	A	44	677	12	1	684	0	0	0	3,523	2409732	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	58	21	C	54	613	11	1	1236	0	0	0	870	1075610	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	37	3	60	23	C	91	2050	34	3	1324	0	0	0	3,265	4323513	14
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	30	5	55	33	D	121	1752	32	5	1800	0	0	0	2,419	4596100	15
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	61	24	C	138	872	14	1	1502	0	0	0	1,533	2301800	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	59	22	C	147	442	8	1	1580	0	0	0	739	1167620	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	75	6	60	27	D	221	4164	69	5	1675	0	0	0	6,567	11002186	34
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	68	3	62	26	C	68	3738	60	3	1591	0	0	0	6,193	9853837	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,647	100%	17	1	62	21	C	85	781	13	1	1324	0	0	0	1,568	2062013	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,832	99%	12	1	60	21	C	98	580	10	1	1416	0	0	0	1,082	1532112	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,075	99%	24	2	59	24	C	122	1197	20	2	1538	0	0	0	2,060	3167593	9
Chester Ave Off Ramp to H St On Ramp	2,622	2,622	100%	40	2	61	21	C	161	1779	29	2	1313	0	0	0	3,579	4698332	14
H St On Ramp to SR99 NB Off Ramp	2,955	2,951	100%	28	3	57	25	C	189	1316	23	3	1475	0	0	0	2,350	3467033	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,867	100%	27	1	57	16	B	216	795	14	1	938	0	0	0	2,163	2027813	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: CFS-6%+6% (VEH constant, CFS -6% for driver types 1 to 5; +6% for driver types 6 to 10, PCFC at default)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	2	63	19	C	50	3135	50	2	1169	0	0	0	4,648	5527247	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,351	100%	20	1	62	18	C	70	1122	18	1	1117	0	0	0	1,768	1974856	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	9	3	40	35	E	79	523	13	5	1659	0	0	0	555	920745	4
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,608	100%	79	8	58	30	D	158	7140	123	13	1606	0	0	0	6,695	10765550	38
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,311	100%	49	25	39	38	E	207	2821	73	37	1335	1	71	2	2,291	3057626	17
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,576	100%	21	10	30	48	F	228	1166	38	19	1662	1	29	9	926	1539244	8
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,780	99%	32	2	61	20	C	260	2617	43	3	1195	0	0	0	2,890	3453550	11
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,245	99%	10	1	60	20	C	270	838	14	1	1311	0	0	0	844	1106695	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,293	99%	37	5	57	27	D	306	3627	64	8	1573	0	0	0	3,000	4719500	15
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,174	98%	17	2	58	22	C	324	1461	25	3	1294	0	0	0	1,491	1928608	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,613	98%	12	4	44	29	D	336	835	19	6	1403	0	0	0	785	1101551	4
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,818	98%	33	12	41	34	D	370	2211	54	20	1455	0	0	0	2,014	2929363	13
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,110	98%	16	1	59	17	B	386	1114	19	1	1028	0	0	0	1,432	1471380	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,327	98%	33	1	63	13	B	419	1925	31	1	832	0	0	0	3,055	2540996	8
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,645	99%	34	2	60	15	B	453	2071	34	2	911	0	0	0	3,000	2733750	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,185	100%	40	1	63	10	A	494	1551	25	1	628	0	0	0	3,726	2338863	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	16	B	48	2535	40	1	849	0	0	0	4,498	3817517	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	33	4	58	17	B	82	2205	38	4	1029	0	0	0	2,800	2880033	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	106	1519	24	1	883	0	0	0	2,271	2005293	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	59	16	B	120	967	16	2	1064	0	0	0	1,200	1276200	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	37	8	52	24	C	158	2754	53	11	1287	0	0	0	2,800	3602900	13
California Ave Off Ramp to California Ave On Ramp	4,015	4,013	100%	14	1	62	16	B	171	934	15	1	1003	0	0	0	1,229	1232994	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,319	99%	28	3	58	18	C	199	1990	34	3	1080	0	0	0	2,433	2627235	8
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,841	98%	40	1	63	11	B	239	1998	32	1	710	0	0	0	3,714	2637869	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,787	99%	5	1	53	15	B	244	273	5	1	947	0	0	0	381	360712	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	4,012	98%	23	2	58	16	B	268	1519	26	3	1003	0	0	0	2,004	2009845	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,179	97%	35	1	63	13	B	302	1920	30	1	795	0	0	0	3,189	2534458	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,427	98%	60	3	61	16	B	363	3518	57	3	979	0	0	0	5,403	5290309	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,092	97%	19	1	63	11	B	382	701	11	0	697	0	0	0	1,770	1234280	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,211	97%	10	0	62	11	A	391	374	6	0	737	0	0	0	894	658878	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,257	93%	52	2	63	12	B	443	2041	32	1	752	0	0	0	4,777	3593896	10
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	44	5	54	10	A	44	678	13	1	682	0	0	0	3,523	2403860	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	58	22	C	55	618	11	1	1246	0	0	0	870	1084310	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	38	4	58	24	C	93	2061	35	4	1331	0	0	0	3,265	4346388	15
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	31	5	54	34	D	124	1762	33	5	1905	0	0	0	2,419	4611017	15
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	61	25	C	141	872	14	1	1502	0	0	0	1,533	2301800	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	58	23	C	149	442	8	1	1579	0	0	0	739	1166881	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	75	5	60	27	D	224	4153	69	5	1671	0	0	0	6,567	10974278	34
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	68	3	62	26	C	68	3738	60	3	1591	0	0	0	6,193	9851515	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,649	100%	17	1	61	22	C	86	782	13	1	1325	0	0	0	1,558	2063571	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,830	99%	12	1	60	21	C	98	580	10	1	1415	0	0	0	1,082	1531030	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,077	99%	24	3	58	25	C	122	1199	21	2	1539	0	0	0	2,080	3169053	10
Chester Ave Off Ramp to H St On Ramp	2,622	2,585	99%	40	2	61	21	C	162	1752	29	2	1293	0	0	0	3,579	4625658	14
H St On Ramp to SR99 NB Off Ramp	2,955	2,924	99%	28	3	58	24	C	190	1303	23	2	1462	0	0	0	2,350	3435308	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,867	100%	27	1	57	16	B	216	792	14	1	834	0	0	0	2,163	2019161	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: CFS-7%+7% (VEH constant, CFS -7% for driver types 1 to 5; +7% for driver types 6 to 10, PCFC at default)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	1	63	19	C	50	3136	50	1	1190	0	0	0	4,648	5528796	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,335	99%	20	1	62	18	C	70	1117	18	1	1112	0	0	0	1,768	1965427	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	10	4	38	36	E	80	521	14	5	1651	1	13	1	555	916490	4
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,608	100%	78	8	58	30	D	158	7122	122	12	1605	0	0	0	6,685	10744997	38
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,275	99%	47	24	38	37	E	205	2671	70	34	1319	1	67	3	2,291	3021256	16
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,576	100%	21	10	31	48	F	226	1157	38	18	1649	1	29	9	926	1526511	8
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,716	98%	32	2	61	19	C	258	2582	42	2	1179	0	0	0	2,690	3407310	11
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,196	98%	10	1	60	20	C	268	831	14	1	1299	0	0	0	844	1096356	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,289	98%	36	5	57	27	D	304	3618	63	8	1572	0	0	0	3,000	4717000	15
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,213	99%	16	1	62	21	C	321	1472	24	1	1303	0	0	0	1,491	1943146	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,675	99%	10	1	56	23	C	330	844	15	2	1419	0	0	0	785	1113719	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,846	98%	33	12	42	34	D	363	2228	53	19	1462	0	0	0	2,014	2943461	13
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,152	99%	17	1	59	16	B	380	1126	19	1	1038	0	0	0	1,432	1486416	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,306	98%	33	1	63	13	B	413	1913	31	1	827	0	0	0	3,055	2524958	8
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,612	98%	34	2	60	15	B	447	2052	34	2	993	0	0	0	3,000	2708625	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,130	97%	40	1	63	10	A	487	1504	24	1	669	0	0	0	3,726	2267537	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	16	B	48	2535	40	1	848	0	0	0	4,498	3816232	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	34	4	57	18	B	82	2211	39	5	1030	0	0	0	2,800	2883360	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	107	1516	24	1	881	0	0	0	2,271	2001319	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	59	16	B	121	967	16	1	1064	0	0	0	1,200	1276800	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	37	8	51	24	C	158	2730	53	11	1287	0	0	0	2,800	3604533	13
California Ave Off Ramp to California Ave On Ramp	4,015	4,015	100%	14	1	62	17	B	171	948	15	1	1018	0	0	0	1,229	1251429	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,352	100%	29	3	58	18	C	200	2016	35	4	1094	0	0	0	2,433	2661905	9
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,885	100%	40	1	63	12	B	240	2049	32	1	728	0	0	0	3,714	2704721	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,823	100%	5	1	54	15	B	245	276	5	1	957	0	0	0	381	364617	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	4,054	99%	23	2	59	16	B	268	1535	26	2	1013	0	0	0	2,004	2030887	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,198	98%	35	1	63	13	B	303	1932	31	1	600	0	0	0	3,189	2549606	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,436	98%	61	4	61	16	B	363	3528	58	4	982	0	0	0	5,403	5303430	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,033	94%	19	1	63	11	A	382	682	11	0	678	0	0	0	1,770	1199470	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,155	95%	10	0	62	10	A	392	365	6	0	718	0	0	0	894	642190	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,215	92%	52	2	63	11	B	444	2002	32	1	738	0	0	0	4,777	3527018	10
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	44	5	54	9	A	44	671	12	1	677	0	0	0	3,523	2383897	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	58	21	C	54	611	11	1	1232	0	0	0	870	1071405	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	38	3	59	23	C	92	2064	35	3	1333	0	0	0	3,265	4352245	14
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	30	5	55	33	D	122	1753	32	5	1900	0	0	0	2,419	4595284	15
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	61	25	C	139	869	14	1	1497	0	0	0	1,533	2294135	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	59	22	C	148	442	8	1	1578	0	0	0	739	1166142	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	75	5	60	27	D	223	4159	69	5	1674	0	0	0	6,567	10989875	34
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	68	3	62	26	C	68	3739	60	3	1591	0	0	0	6,193	9853837	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,659	100%	17	1	61	22	C	85	785	13	1	1330	0	0	0	1,558	2071361	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,843	100%	12	1	60	21	C	98	582	10	1	1422	0	0	0	1,082	1538063	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,079	99%	24	2	58	24	C	122	1199	21	2	1540	0	0	0	2,050	3171713	10
Chester Ave Off Ramp to H St On Ramp	2,622	2,622	100%	40	2	61	21	C	162	1780	29	2	1313	0	0	0	3,579	4699227	15
H St On Ramp to SR99 NB Off Ramp	2,955	2,955	100%	28	3	57	25	C	190	1318	23	3	1479	0	0	0	2,350	3475650	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,855	99%	27	1	57	16	B	216	787	14	1	927	0	0	0	2,163	2005642	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: CFS+10% (VEH constant, CFS+10%, PCFC at default)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	2	63	19	C	50	3135	50	2	1180	0	0	0	4,648	5527247	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,353	100%	20	1	61	16	C	70	1124	18	1	1118	0	0	0	1,768	1977213	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	10	4	38	37	E	80	524	14	5	1663	1	13	1	555	922780	4
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,600	100%	92	22	49	35	D	172	7097	143	34	1600	0	0	0	6,695	10712000	44
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,138	97%	78	54	20	64	F	251	2233	112	77	1288	2	56	56	2,291	2942790	28
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,424	98%	21	10	30	47	F	272	1127	38	19	1606	1	28	10	926	1487156	8
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,585	95%	33	2	61	19	C	304	2510	41	3	1146	0	0	0	2,890	3312653	10
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,064	96%	10	1	60	19	C	314	810	14	1	1266	0	0	0	844	1068504	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,174	97%	37	5	56	27	D	351	3558	64	9	1543	0	0	0	3,000	4630250	15
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,100	97%	17	1	61	21	C	367	1440	23	1	1275	0	0	0	1,491	1901025	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,555	97%	10	2	52	24	C	378	826	16	3	1389	0	0	0	785	1090169	4
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,724	96%	35	14	39	35	D	413	2178	55	22	1431	1	54	1	2,014	2881666	13
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,027	96%	17	1	59	17	B	429	1092	19	2	1007	0	0	0	1,432	1441666	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,263	96%	33	1	62	13	B	463	1888	30	1	816	0	0	0	3,055	2492116	8
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,574	97%	34	3	59	15	B	497	2031	34	3	894	0	0	0	3,000	2680500	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,120	97%	40	1	63	10	A	537	1496	24	1	606	0	0	0	3,726	2256359	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	16	B	48	2534	40	1	849	0	0	0	4,498	3817517	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	34	4	57	18	B	82	2218	39	5	1035	0	0	0	2,800	2898933	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	107	1533	25	1	891	0	0	0	2,271	2023461	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	59	17	B	121	973	17	2	1071	0	0	0	1,200	1284900	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	39	9	50	25	C	159	2776	56	13	1298	0	0	0	2,800	3633933	13
California Ave Off Ramp to California Ave On Ramp	4,015	4,015	100%	14	1	62	17	B	173	954	15	1	1025	0	0	0	1,229	1259725	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,352	100%	29	3	58	19	C	202	2030	35	4	1192	0	0	0	2,433	2679950	9
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,885	100%	40	1	63	12	B	242	2052	32	1	729	0	0	0	3,714	2708435	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,823	100%	5	1	52	15	B	247	276	5	1	959	0	0	0	361	364998	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	4,064	100%	23	2	58	16	B	270	1539	27	3	1016	0	0	0	2,004	2035897	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,258	100%	35	1	63	13	B	305	1967	31	1	814	0	0	0	3,189	2597042	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,503	100%	61	4	61	17	B	365	3596	59	4	1001	0	0	0	5,403	5408017	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,165	100%	19	1	63	12	B	384	733	12	0	729	0	0	0	1,770	1290920	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,276	100%	10	0	62	11	B	394	393	6	0	773	0	0	0	894	691360	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,381	99%	52	2	63	12	B	446	2153	34	1	794	0	0	0	4,777	3790550	11
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	45	6	53	10	A	45	669	13	2	672	0	0	0	3,523	2368630	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	11	1	56	22	C	56	615	11	1	1242	0	0	0	870	1080830	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	38	4	58	24	C	94	2076	36	4	1340	0	0	0	3,265	4373794	15
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	31	6	53	34	D	125	1763	33	6	1915	0	0	0	2,419	4631992	16
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	61	25	C	142	887	15	1	1526	0	0	0	1,533	2342424	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	58	23	C	151	450	8	1	1607	0	0	0	739	1187573	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	75	6	60	28	D	226	4223	71	6	1700	0	0	0	6,567	11163079	35
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	68	3	62	26	C	68	3740	60	3	1591	0	0	0	6,193	9855385	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,659	100%	17	1	62	22	C	85	784	13	1	1330	0	0	0	1,558	2071361	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,839	99%	12	1	60	21	C	98	582	10	1	1420	0	0	0	1,082	1535899	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,078	99%	24	3	58	25	C	122	1199	21	2	1539	0	0	0	2,060	3170340	10
Chester Ave Off Ramp to H St On Ramp	2,622	2,622	100%	40	2	61	22	C	162	1790	29	2	1321	0	0	0	3,579	4726070	15
H St On Ramp to SR99 NB Off Ramp	2,955	2,955	100%	28	4	57	25	C	190	1324	23	3	1486	0	0	0	2,350	3491317	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,849	99%	27	1	57	16	B	217	785	14	1	925	0	0	0	2,163	1999694	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: CFS+20% (VEH constant, CFS+20%, PCFC at default)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	2	63	19	C	50	3135	50	2	1169	0	0	0	4,648	5527247	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,339	100%	20	1	61	18	C	70	1118	18	1	1113	0	0	0	1,768	1967784	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	10	4	39	36	E	80	523	14	5	1658	1	13	0	555	920375	4
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,608	100%	91	20	51	34	D	170	7168	141	31	1604	0	0	0	6,695	10741171	43
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,197	98%	76	52	21	63	F	246	2282	110	74	1299	2	57	53	2,291	2976295	27
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,491	99%	20	10	31	46	F	267	1138	37	18	1623	1	28	8	926	1502667	8
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,683	97%	33	2	60	19	C	300	2553	43	3	1171	0	0	0	2,890	3383468	11
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,166	98%	10	1	59	20	C	309	826	14	1	1292	0	0	0	844	1090026	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,230	98%	39	7	53	28	D	348	3571	67	12	1558	0	0	0	3,000	4672500	16
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,122	97%	32	16	31	41	E	380	1447	46	23	1281	1	36	10	1,491	1909226	12
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,460	96%	28	18	19	65	F	408	812	42	28	1365	2	20	22	785	1071525	10
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,675	95%	44	22	32	44	E	452	2226	69	35	1419	1	56	13	2,014	2857363	17
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	3,964	94%	17	2	58	17	B	469	1075	19	2	991	0	0	0	1,432	1419112	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,187	94%	34	1	62	13	B	502	1844	30	1	797	0	0	0	3,055	2434071	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,499	95%	35	3	59	14	B	537	1988	34	3	875	0	0	0	3,000	2623875	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,048	94%	40	1	63	9	A	577	1445	23	1	585	0	0	0	3,726	2179710	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	16	B	48	2536	40	1	849	0	0	0	4,498	3817517	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	34	4	57	18	B	82	2201	38	5	1026	0	0	0	2,800	2877000	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	107	1524	24	1	886	0	0	0	2,271	2012106	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	59	16	B	121	968	16	2	1065	0	0	0	1,200	1278300	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	39	10	49	26	C	160	2747	56	14	1288	0	0	0	2,800	3605233	14
California Ave Off Ramp to California Ave On Ramp	4,015	4,015	100%	14	1	62	16	B	173	947	15	1	1018	0	0	0	1,229	1251122	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,352	100%	30	4	56	19	C	203	2020	36	5	1097	0	0	0	2,433	2669204	9
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,885	100%	40	1	63	11	B	243	2037	32	1	724	0	0	0	3,714	2688936	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,812	100%	5	1	53	15	B	248	275	5	1	953	0	0	0	381	363093	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	4,042	99%	24	2	58	16	B	272	1532	26	3	1011	0	0	0	2,004	2025042	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,235	99%	35	1	63	13	B	306	1954	31	1	609	0	0	0	3,189	2578705	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,476	99%	61	4	60	17	B	367	3574	59	4	993	0	0	0	5,403	5366337	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,100	97%	19	1	63	11	B	387	704	11	0	700	0	0	0	1,770	1239000	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,225	98%	10	0	62	11	A	396	377	6	0	742	0	0	0	894	663050	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,278	94%	52	2	63	12	B	448	2080	33	1	759	0	0	0	4,777	3626539	11
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	45	6	53	10	A	45	673	13	2	676	0	0	0	3,523	2382722	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	58	21	C	56	608	11	1	1227	0	0	0	870	1067760	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	39	4	58	24	C	94	2051	36	4	1323	0	0	0	3,265	4320248	15
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	32	6	53	34	D	126	1749	33	6	1894	0	0	0	2,419	4581989	16
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	61	24	C	143	854	14	1	1471	0	0	0	1,533	2255043	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	59	22	C	152	434	7	1	1549	0	0	0	739	1144711	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	75	6	60	27	D	227	4080	68	5	1642	0	0	0	6,567	10781372	33
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	88	4	62	26	C	68	3741	60	3	1592	0	0	0	6,193	9858482	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,654	100%	17	1	61	22	C	86	783	13	1	1327	0	0	0	1,558	2067466	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,839	99%	13	1	59	21	C	98	582	10	1	1420	0	0	0	1,082	1535699	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,085	100%	24	3	58	25	C	123	1203	21	2	1543	0	0	0	2,060	3177550	10
Chester Ave Off Ramp to H St On Ramp	2,622	2,622	100%	40	2	61	22	C	162	1802	29	2	1329	0	0	0	3,579	4756491	15
H St On Ramp to SR99 NB Off Ramp	2,955	2,955	100%	29	4	56	25	C	191	1329	24	3	1492	0	0	0	2,350	3505025	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,867	100%	27	1	57	17	B	218	805	14	1	950	0	0	0	2,163	2055391	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: CFS+30% (VEH constant, CFS+30%, PCFC at default)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/in/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)	ne	5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	2	63	19	C	50	3135	50	2	1189	0	0	0	4,648	5526472	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,329	99%	21	3	57	20	C	72	1115	20	3	1110	0	0	0	1,768	1961891	7
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,761	97%	14	7	28	49	F	85	501	18	10	1587	1	13	6	555	880785	5
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,323	95%	170	99	27	61	F	255	6756	251	147	1521	1	169	82	6,695	10181182	78
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	4,823	91%	93	67	17	74	F	348	2049	124	90	1206	2	51	73	2,291	2762373	32
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,134	93%	21	11	30	46	F	369	1076	36	18	1534	1	27	10	926	1420021	8
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,429	92%	33	2	60	18	C	402	2424	40	3	1107	0	0	0	2,890	3199953	10
Wible Rd On Ramp to SR58 WB On Ramp	5,298	4,909	93%	10	1	60	19	C	412	785	13	1	1227	0	0	0	844	1035799	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	5,987	94%	38	6	55	27	D	449	3466	63	10	1497	0	0	0	3,000	4490500	15
California Ave Off Ramp to California Ave Loop On Ramp	5,255	4,985	94%	31	15	33	38	E	481	1402	43	21	1241	1	35	8	1,491	1850704	11
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,337	93%	30	21	18	68	F	510	793	44	31	1334	2	20	24	785	1047386	10
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,540	93%	45	23	32	43	E	555	2174	69	36	1365	1	54	14	2,014	2789222	17
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	3,906	93%	17	2	58	17	B	572	1059	18	2	977	0	0	0	1,432	1398348	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,120	92%	34	1	62	13	B	606	1805	29	1	780	0	0	0	3,055	2382900	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,434	93%	35	3	59	14	B	640	1951	33	3	858	0	0	0	3,000	2575125	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,033	93%	40	1	63	9	A	681	1435	23	1	581	0	0	0	3,726	2164274	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	63	16	B	48	2536	40	1	849	0	0	0	4,498	3818159	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	34	5	57	18	B	82	2191	39	5	1024	0	0	0	2,800	2867667	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	107	1505	24	1	875	0	0	0	2,271	1986557	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	2	57	17	B	122	958	17	2	1053	0	0	0	1,200	1263600	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	41	11	47	26	D	162	2746	58	16	1280	0	0	0	2,800	3584233	14
California Ave Off Ramp to California Ave On Ramp	4,015	4,015	100%	14	1	62	16	B	176	947	15	1	1017	0	0	0	1,229	1250200	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,352	100%	31	5	54	20	C	207	2010	37	6	1093	0	0	0	2,433	2859877	9
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,844	99%	40	1	63	11	B	247	2000	32	1	711	0	0	0	3,714	2640654	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,740	98%	5	1	54	15	B	252	270	5	1	935	0	0	0	381	356235	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	3,961	97%	24	3	57	16	B	275	1502	26	3	990	0	0	0	2,004	1984628	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,114	95%	35	1	63	12	B	310	1880	30	1	778	0	0	0	3,189	2482238	7
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,358	96%	61	4	60	16	B	371	3454	57	4	959	0	0	0	5,403	5183793	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,034	94%	19	1	63	11	A	390	682	11	0	678	0	0	0	1,770	1200060	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,160	95%	10	0	62	10	A	400	366	6	0	720	0	0	0	894	643680	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,221	92%	52	2	63	11	B	452	2009	32	1	740	0	0	0	4,777	3536572	10
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	46	6	52	10	A	46	679	13	2	661	0	0	0	3,523	2397989	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	57	22	C	56	604	11	1	1220	0	0	0	870	1061110	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	38	4	58	23	C	94	2014	35	4	1360	0	0	0	3,265	4243194	14
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	34	8	50	36	E	128	1722	35	8	1865	0	0	0	2,419	4511838	16
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	60	24	C	145	848	14	1	1460	0	0	0	1,533	2238180	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	58	22	C	154	432	7	1	1542	0	0	0	739	1139538	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	75	6	60	27	D	229	4064	68	5	1636	0	0	0	6,567	10741149	33
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	69	4	62	26	C	69	3742	61	3	1592	0	0	0	6,193	9860804	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,659	100%	17	1	61	22	C	86	790	13	1	1338	0	0	0	1,558	2084604	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,855	100%	13	1	59	21	C	99	586	10	1	1430	0	0	0	1,082	1546719	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,096	100%	25	3	56	26	C	124	1209	22	3	1550	0	0	0	2,060	3191970	10
Chester Ave Off Ramp to H St On Ramp	2,622	2,622	100%	40	3	61	22	C	164	1781	29	2	1314	0	0	0	3,579	4701017	15
H St On Ramp to SR99 NB Off Ramp	2,955	2,955	100%	29	4	56	25	C	193	1318	24	3	1480	0	0	0	2,350	3477608	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,867	100%	27	1	57	17	B	220	801	14	1	945	0	0	0	2,163	2043494	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: CFS+40% (VEH constant, CFS+40%, PCFC at default)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	2	63	19	C	50	3136	50	2	1190	0	0	0	4,648	5529571	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,326	99%	24	5	51	22	C	74	1114	22	5	1109	0	0	0	1,768	1960123	7
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,481	91%	19	13	20	64	F	93	471	24	16	1494	2	12	12	555	828985	7
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	4,983	89%	218	147	21	73	F	311	6312	302	203	1424	2	158	144	6,695	9530811	93
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	4,489	85%	102	76	15	76	F	413	1901	127	95	1122	3	48	79	2,291	2570788	33
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	5,829	89%	22	11	29	44	E	434	1023	35	18	1457	1	26	9	926	1349414	8
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,151	86%	33	2	61	17	B	467	2272	37	2	1038	0	0	0	2,890	2990098	9
Wible Rd On Ramp to SR58 WB On Ramp	5,298	4,623	87%	10	1	60	18	B	476	739	12	1	1156	0	0	0	844	975453	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	5,740	90%	38	7	54	26	C	515	3332	61	11	1435	0	0	0	3,000	4305250	15
California Ave Off Ramp to California Ave Loop On Ramp	5,255	4,734	90%	17	2	59	20	C	532	1337	23	2	1184	0	0	0	1,491	1764599	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,151	90%	17	8	32	37	E	549	766	24	12	1268	1	19	5	785	1010884	5
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,345	90%	41	19	34	38	E	590	2066	60	29	1336	1	52	9	2,014	2691375	15
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	3,783	90%	17	2	58	16	B	606	1026	18	2	946	0	0	0	1,432	1354314	4
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,074	91%	33	1	62	12	B	640	1778	29	1	769	0	0	0	3,055	2347788	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,399	92%	35	4	58	14	B	675	1931	33	4	850	0	0	0	3,000	2548875	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,005	92%	40	1	63	9	A	716	1415	22	1	573	0	0	0	3,726	2133933	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	16	B	48	2536	40	1	849	0	0	0	4,498	3818802	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	34	5	56	18	C	83	2200	39	6	1029	0	0	0	2,800	2880033	10
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	108	1506	24	1	875	0	0	0	2,271	1987125	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	15	2	56	17	B	122	959	17	2	1055	0	0	0	1,200	1265400	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	45	16	43	29	D	167	2796	64	22	1280	0	0	0	2,800	3582600	15
California Ave Off Ramp to California Ave On Ramp	4,015	4,002	100%	14	1	61	16	B	181	931	15	1	1001	0	0	0	1,229	1229615	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,308	99%	30	4	55	19	C	211	1981	36	5	1077	0	0	0	2,433	2620341	9
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,872	100%	40	1	63	11	B	251	2020	32	1	718	0	0	0	3,714	2666652	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,799	99%	5	1	53	15	B	256	274	5	1	950	0	0	0	381	361855	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	4,032	99%	24	3	57	16	B	280	1530	27	3	1008	0	0	0	2,004	2020032	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,212	98%	34	1	63	13	B	315	1940	31	1	803	0	0	0	3,189	2560767	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,458	98%	62	5	60	17	B	376	3559	59	5	998	0	0	0	5,403	5338550	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,122	98%	19	1	63	11	B	395	711	11	0	707	0	0	0	1,770	1251980	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,247	99%	10	0	63	11	A	405	380	6	0	749	0	0	0	894	669606	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,303	95%	52	2	63	12	B	457	2082	33	1	768	0	0	0	4,777	3656348	11
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	46	7	52	10	A	46	677	13	2	670	0	0	0	3,523	2388594	7
SR99 On Ramp to H St Off Ramp	3,553	3,546	100%	10	1	57	21	C	56	586	10	1	1182	0	0	0	870	1028340	3
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	39	4	58	23	C	95	1968	34	4	1270	0	0	0	3,265	4147856	14
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	33	7	51	34	D	128	1679	33	7	1823	0	0	0	2,419	4410643	16
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	60	24	C	145	826	14	1	1422	0	0	0	1,533	2179926	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	58	22	C	154	420	7	1	1502	0	0	0	739	1109609	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	76	6	59	26	D	229	3976	67	6	1599	0	0	0	6,567	10503096	33
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	69	4	61	26	C	69	3742	61	4	1592	0	0	0	6,193	9857708	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,659	100%	17	1	61	22	C	86	800	13	1	1355	0	0	0	1,558	2111090	7
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,855	100%	13	1	59	22	C	99	594	10	1	1449	0	0	0	1,082	1567818	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,096	100%	25	3	56	26	C	124	1224	22	3	1569	0	0	0	2,060	3231453	10
Chester Ave Off Ramp to H St On Ramp	2,622	2,622	100%	40	3	61	22	C	164	1802	30	2	1330	0	0	0	3,579	4758281	15
H St On Ramp to SR99 NB Off Ramp	2,955	2,955	100%	29	4	55	26	C	193	1330	24	4	1494	0	0	0	2,350	3509725	12
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,867	100%	27	1	57	17	B	220	795	14	1	937	0	0	0	2,163	2026731	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: CFS+50% (VEH constant, CFS+50%, PCFC at default)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	51	2	63	19	C	51	3134	50	2	1189	0	0	0	4,648	5528021	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,298	98%	37	18	33	34	D	88	1104	34	17	1099	1	28	6	1,768	1943621	11
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,154	84%	27	20	14	83	F	114	437	31	23	1335	3	11	20	555	768490	9
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	4,740	85%	252	181	18	81	F	367	5993	332	239	1354	2	150	182	6,695	9067421	102
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	4,324	81%	109	83	14	79	F	475	1831	130	100	1081	3	46	85	2,291	2476571	34
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	5,664	86%	22	11	29	43	E	497	993	34	17	1416	1	25	9	926	1311216	8
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,014	83%	33	2	60	17	B	530	2197	36	3	1004	0	0	0	2,890	2900115	9
Wible Rd On Ramp to SR58 WB On Ramp	5,298	4,487	85%	10	1	60	17	B	539	717	12	1	1122	0	0	0	844	946757	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	5,534	87%	39	7	54	25	C	578	3206	59	11	1383	0	0	0	3,000	4150250	14
California Ave Off Ramp to California Ave Loop On Ramp	5,255	4,520	86%	19	4	53	21	C	597	1276	24	4	1130	0	0	0	1,491	1684830	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	4,914	86%	16	7	34	33	D	613	731	22	10	1229	1	18	3	785	964373	5
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,082	86%	41	20	34	37	E	654	1968	58	28	1270	1	49	9	2,014	2558619	14
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	3,618	86%	17	2	58	16	B	671	981	17	2	905	0	0	0	1,432	1295244	4
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	2,878	85%	34	1	62	12	B	704	1865	27	1	720	0	0	0	3,055	2188073	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,205	87%	35	3	58	13	B	739	1821	31	3	691	0	0	0	3,000	2403375	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	1,948	89%	40	1	63	9	A	780	1375	22	1	557	0	0	0	3,726	2073785	6
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	2	63	16	B	48	2536	40	1	849	0	0	0	4,498	3818802	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	35	6	54	19	C	84	2204	40	7	1032	0	0	0	2,800	2890533	10
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	109	1525	25	1	866	0	0	0	2,271	2012106	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	15	3	54	18	B	124	968	18	3	1054	0	0	0	1,200	1277100	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	48	18	42	31	D	172	2878	68	26	1269	0	0	0	2,800	3606033	16
California Ave Off Ramp to California Ave On Ramp	4,015	4,006	100%	14	1	61	16	B	186	932	15	1	1002	0	0	0	1,229	1230844	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,313	99%	31	6	53	20	C	217	1986	38	7	1078	0	0	0	2,433	2623585	9
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,811	97%	40	1	63	11	B	257	1977	31	1	703	0	0	0	3,714	2610014	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,742	98%	5	1	54	14	B	262	270	5	1	936	0	0	0	381	356426	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	3,967	97%	24	3	58	16	B	285	1504	26	3	992	0	0	0	2,004	1987634	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,173	97%	35	1	63	13	B	320	1916	30	1	793	0	0	0	3,189	2529276	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,433	98%	62	5	60	17	B	382	3530	59	5	981	0	0	0	5,403	5298799	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,149	99%	19	1	63	11	B	401	720	11	0	716	0	0	0	1,770	1267910	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,272	100%	10	0	62	11	A	411	385	6	0	757	0	0	0	894	677056	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,316	96%	52	2	63	12	B	462	2095	33	1	772	0	0	0	4,777	3687844	11
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	47	8	51	10	A	47	676	13	2	675	0	0	0	3,523	2376851	7
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	57	21	C	57	588	10	1	1186	0	0	0	870	1031965	3
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	42	8	53	25	C	99	1971	37	7	1277	0	0	0	3,265	4170711	16
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	40	15	42	42	E	139	1719	41	15	1628	0	0	0	2,419	4421126	19
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	18	2	59	24	C	157	831	14	1	1431	0	0	0	1,533	2193723	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	58	22	C	166	422	7	1	1507	0	0	0	739	1113304	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	76	7	59	27	D	242	3974	68	6	1598	0	0	0	6,567	10496529	33
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	69	5	61	26	D	69	3743	61	4	1592	0	0	0	6,193	9861578	31
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,659	100%	18	1	61	22	C	87	766	13	1	1331	0	0	0	1,558	2073698	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,843	100%	13	1	59	21	C	99	583	10	1	1422	0	0	0	1,082	1536063	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,090	100%	25	3	57	25	C	124	1206	21	3	1545	0	0	0	2,060	3183043	10
Chester Ave Off Ramp to H St On Ramp	2,622	2,622	100%	40	3	61	22	C	164	1808	30	2	1334	0	0	0	3,579	4773491	15
H St On Ramp to SR99 NB Off Ramp	2,955	2,955	100%	30	5	54	26	D	194	1331	25	4	1485	0	0	0	2,350	3512467	12
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,867	100%	27	2	56	17	B	221	816	14	1	964	0	0	0	2,163	2085132	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: CFS+60% (VEH constant, CFS+60%, PCFC at default)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,550	100%	58	9	53	23	C	58	3024	57	9	1183	0	0	0	4,648	5500133	20
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,222	96%	60	39	20	53	F	118	1079	53	35	1074	2	27	26	1,768	1898632	18
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	3,991	81%	29	22	13	85	F	146	419	32	24	1330	3	10	21	555	738335	9
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	4,517	81%	265	194	17	81	F	411	5715	332	243	1291	2	143	190	6,695	8640854	102
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	4,045	76%	117	90	13	80	F	528	1712	132	102	1011	3	43	89	2,291	2316774	35
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	5,407	82%	22	11	29	41	E	550	948	32	16	1352	1	24	9	926	1251721	7
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	3,782	79%	32	2	61	16	B	582	2070	34	2	946	0	0	0	2,890	2732495	8
Wible Rd On Ramp to SR58 WB On Ramp	5,298	4,257	80%	10	1	60	16	B	592	681	11	1	1064	0	0	0	844	896227	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	5,368	84%	39	7	54	24	C	630	3115	58	11	1342	0	0	0	3,000	4026000	14
California Ave Off Ramp to California Ave Loop On Ramp	5,255	4,423	84%	17	1	60	18	C	647	1249	21	1	1106	0	0	0	1,491	1648673	5
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	4,830	85%	15	7	36	31	D	662	718	20	9	1208	1	18	2	785	947688	5
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,053	85%	38	16	37	33	D	700	1935	53	23	1263	1	48	4	2,014	2544018	13
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	3,633	86%	17	1	59	15	B	716	985	17	1	908	0	0	0	1,432	1300614	4
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	2,958	87%	34	1	62	12	B	750	1712	28	1	740	0	0	0	3,055	2259173	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,276	89%	36	4	57	14	B	786	1861	33	4	819	0	0	0	3,000	2457000	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	1,942	89%	40	1	63	9	A	826	1371	22	1	555	0	0	0	3,726	2067398	6
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	16	B	48	2535	40	1	849	0	0	0	4,498	3818802	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	35	6	55	19	C	83	2200	40	7	1031	0	0	0	2,800	2885867	10
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	108	1513	24	1	879	0	0	0	2,271	1996777	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	16	3	52	19	C	124	961	19	4	1057	0	0	0	1,200	1268700	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	48	18	42	30	D	172	2861	68	25	1276	0	0	0	2,800	3573733	16
California Ave Off Ramp to California Ave On Ramp	4,015	4,015	100%	14	1	61	17	B	186	947	15	1	1017	0	0	0	1,229	1249586	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,352	100%	32	6	52	21	C	218	2009	39	7	1094	0	0	0	2,433	2661094	9
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,885	100%	40	1	63	12	B	258	2037	32	1	724	0	0	0	3,714	2688936	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,805	100%	5	1	53	15	B	263	275	5	1	951	0	0	0	381	362426	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	4,032	98%	24	3	57	17	B	287	1532	27	3	1008	0	0	0	2,004	2020199	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,231	99%	35	1	63	13	B	322	1951	31	1	808	0	0	0	3,189	2575915	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,491	99%	63	6	59	17	B	385	3592	61	6	985	0	0	0	5,403	5374055	18
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,161	100%	19	1	62	12	B	404	725	12	0	720	0	0	0	1,770	1274990	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,276	100%	10	0	62	11	B	414	387	6	0	762	0	0	0	894	681228	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,317	96%	52	2	63	12	B	466	2096	34	1	772	0	0	0	4,777	3689436	11
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	47	8	51	10	A	47	680	13	2	677	0	0	0	3,523	2386245	7
SR99 On Ramp to H St Off Ramp	3,553	3,517	99%	10	1	57	21	C	58	580	10	1	1172	0	0	0	870	1019785	3
H St Off Ramp to Chester Ave On Ramp	3,143	3,114	99%	39	5	57	23	C	97	1931	34	4	1246	0	0	0	3,265	4066884	14
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,611	100%	38	12	44	39	E	135	1664	38	12	1806	0	0	0	2,419	4367908	18
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	18	2	58	24	C	153	822	14	1	1416	0	0	0	1,533	2169962	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	57	22	C	161	418	7	1	1495	0	0	0	739	1104805	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	76	7	59	26	D	237	3945	67	6	1585	0	0	0	6,567	10410337	33
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	70	5	61	26	D	70	3744	62	4	1592	0	0	0	6,193	9861578	31
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,659	100%	18	1	61	22	C	87	789	13	1	1338	0	0	0	1,558	2083825	7
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,850	100%	13	1	58	22	C	100	584	10	1	1425	0	0	0	1,082	1541850	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,090	100%	26	4	54	26	D	126	1207	22	4	1545	0	0	0	2,060	3183043	10
Chester Ave Off Ramp to H St On Ramp	2,622	2,620	100%	41	3	60	22	C	166	1776	30	2	1310	0	0	0	3,579	4688490	15
H St On Ramp to SR99 NB Off Ramp	2,955	2,953	100%	31	6	52	27	D	197	1315	25	5	1477	0	0	0	2,350	3469775	12
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,851	99%	27	2	56	17	B	224	784	14	1	925	0	0	0	2,163	2001316	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: CFS-10% (VEH constant, CFS-10%, PCFC at default)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	1	63	19	C	50	3136	50	1	1130	0	0	0	4,648	5529571	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,353	100%	20	1	62	18	C	70	1124	18	1	1119	0	0	0	1,768	1977803	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	10	3	39	36	E	79	523	13	5	1657	1	13	0	555	919450	4
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,608	100%	78	8	58	30	D	157	7153	122	12	1612	0	0	0	6,695	10792818	38
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,310	100%	42	18	44	33	D	199	2730	62	27	1327	0	0	0	2,291	3041016	14
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,575	100%	21	10	30	48	F	220	1161	39	19	1655	1	29	10	926	1532299	8
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,739	99%	32	2	61	19	C	253	2594	43	3	1185	0	0	0	2,890	3423928	11
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,216	98%	10	1	60	20	C	262	833	14	1	1304	0	0	0	844	1100576	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,283	98%	37	5	57	27	D	299	3620	64	9	1571	0	0	0	3,000	4712000	15
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,152	98%	16	1	62	21	C	315	1455	24	1	1268	0	0	0	1,491	1920408	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,602	98%	9	1	57	22	C	325	833	15	2	1401	0	0	0	765	1099393	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,772	97%	31	10	44	31	D	356	2196	50	16	1443	0	0	0	2,014	2906034	12
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,019	95%	16	1	59	17	B	372	1090	18	1	1065	0	0	0	1,432	1438802	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,197	94%	33	1	63	13	B	405	1850	30	1	799	0	0	0	3,055	2441709	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,507	95%	34	2	60	14	B	439	1992	33	2	877	0	0	0	3,000	2630250	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,079	95%	40	1	63	10	A	479	1467	23	1	594	0	0	0	3,726	2212712	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	16	B	48	2535	40	1	849	0	0	0	4,488	3817517	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	33	4	58	17	B	81	2213	36	4	1033	0	0	0	2,800	2893100	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	106	1527	25	1	868	0	0	0	2,271	2016080	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	59	16	B	120	967	17	2	1064	0	0	0	1,200	1277100	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	37	8	52	24	C	158	2763	54	11	1280	0	0	0	2,800	3606167	13
California Ave Off Ramp to California Ave On Ramp	4,015	4,015	100%	14	1	62	16	B	171	947	15	1	1016	0	0	0	1,229	1250508	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,352	100%	28	3	58	18	C	200	2019	35	4	1094	0	0	0	2,433	2861094	8
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,885	100%	40	1	63	11	B	240	2041	32	1	726	0	0	0	3,714	2694507	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,812	100%	5	1	53	15	B	245	275	5	1	953	0	0	0	381	363093	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	4,049	99%	23	2	58	16	B	268	1532	26	3	1012	0	0	0	2,004	2028716	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,256	100%	35	1	63	13	B	303	1966	31	1	814	0	0	0	3,189	2595846	6
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,511	100%	60	3	61	17	B	363	3603	59	3	1003	0	0	0	5,403	5419595	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,144	99%	19	1	63	11	B	382	719	11	0	715	0	0	0	1,770	1264960	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,270	100%	10	0	62	11	A	392	384	6	0	757	0	0	0	894	676460	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,325	96%	52	2	63	12	B	444	2102	33	1	775	0	0	0	4,777	3701379	11
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	44	4	55	9	A	44	677	12	1	683	0	0	0	3,523	2406209	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	58	22	C	54	623	11	1	1258	0	0	0	870	1094170	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	38	4	59	24	C	92	2075	35	3	1339	0	0	0	3,265	4371182	15
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	30	5	55	33	D	122	1771	32	5	1918	0	0	0	2,419	4638836	15
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	61	24	C	139	869	14	1	1496	0	0	0	1,533	2293368	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	59	22	C	148	440	7	1	1571	0	0	0	739	1160969	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	74	5	60	27	D	222	4141	69	5	1667	0	0	0	6,567	10943906	34
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,188	3,188	100%	68	3	62	26	C	68	3739	60	3	1591	0	0	0	6,193	9854611	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,659	100%	17	1	61	22	C	85	798	13	1	1352	0	0	0	1,558	2106416	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,855	100%	12	1	60	21	C	98	591	10	1	1442	0	0	0	1,082	1560244	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,096	100%	24	2	59	25	C	122	1218	21	2	1564	0	0	0	2,060	3221840	10
Chester Ave Off Ramp to H St On Ramp	2,622	2,622	100%	40	2	61	22	C	161	1800	29	2	1328	0	0	0	3,579	4752017	15
H St On Ramp to SR99 NB Off Ramp	2,955	2,955	100%	28	3	57	25	C	190	1332	23	3	1494	0	0	0	2,350	3510900	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,867	100%	27	1	57	17	B	216	814	14	1	961	0	0	0	2,163	2077562	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: CFS-20% (VEH constant, CFS-20%, PCFC at default)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	1	63	19	C	50	3134	50	1	1189	0	0	0	4,648	5525697	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,343	100%	20	1	62	18	C	70	1119	18	1	1114	0	0	0	1,768	1970141	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	9	3	41	34	D	79	521	13	4	1653	0	0	0	555	917415	4
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,608	100%	77	7	59	29	D	156	7116	120	11	1605	0	0	0	6,695	10743084	37
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,311	100%	36	12	49	29	D	192	2642	54	18	1340	0	0	0	2,291	3069367	13
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,576	100%	20	10	31	47	F	212	1162	37	18	1657	1	29	8	926	1534151	8
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,717	98%	32	2	61	19	C	245	2582	42	2	1179	0	0	0	2,890	3408033	11
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,185	98%	10	1	60	20	C	254	828	14	1	1296	0	0	0	844	1094035	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,230	98%	36	5	57	27	D	290	3579	63	8	1558	0	0	0	3,000	4672500	15
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,148	98%	17	1	62	21	C	307	1454	24	1	1287	0	0	0	1,491	1918917	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,599	98%	9	1	57	23	C	316	833	15	2	1400	0	0	0	785	1098804	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,769	97%	28	6	50	28	D	344	2184	44	10	1442	0	0	0	2,014	2904859	11
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,010	95%	16	1	61	17	B	360	1088	18	1	1003	0	0	0	1,432	1435580	4
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,240	96%	33	1	63	13	B	393	1875	30	1	810	0	0	0	3,055	2474550	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,549	96%	34	2	61	14	B	427	2016	33	2	887	0	0	0	3,000	2661750	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,138	98%	40	1	63	10	A	467	1509	24	1	611	0	0	0	3,726	2276054	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	16	B	48	2535	40	1	849	0	0	0	4,498	3816874	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	33	3	59	17	B	81	2211	38	4	1030	0	0	0	2,800	2884000	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	106	1529	24	1	889	0	0	0	2,271	2018351	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	59	16	B	120	969	16	1	1066	0	0	0	1,200	1279500	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	35	6	54	23	C	155	2741	50	8	1287	0	0	0	2,800	3602900	12
California Ave Off Ramp to California Ave On Ramp	4,015	4,006	100%	13	1	62	16	B	168	932	15	1	1002	0	0	0	1,229	1230844	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,314	99%	28	2	59	18	B	196	1991	34	3	1079	0	0	0	2,433	2523991	8
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,852	99%	40	1	63	11	B	236	2006	32	1	713	0	0	0	3,714	2648082	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,781	99%	5	1	53	15	B	241	273	5	1	945	0	0	0	381	360140	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	4,018	99%	23	2	59	16	B	265	1521	26	2	1005	0	0	0	2,004	2013185	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,244	99%	34	1	63	13	B	299	1959	31	1	811	0	0	0	3,189	2585880	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,492	99%	60	3	62	17	B	359	3583	58	3	998	0	0	0	5,403	5390264	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,135	99%	19	1	63	11	B	378	716	11	0	712	0	0	0	1,770	1259650	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,259	99%	10	0	63	11	A	388	383	6	0	753	0	0	0	894	673182	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,315	96%	52	1	63	12	B	439	2093	33	1	772	0	0	0	4,777	3685456	11
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	43	4	55	9	A	43	668	12	1	674	0	0	0	3,523	2375676	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	58	22	C	54	626	11	1	1262	0	0	0	870	1097505	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	38	3	59	24	C	91	2104	35	3	1359	0	0	0	3,265	4435829	15
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	30	4	56	33	D	121	1789	32	4	1944	0	0	0	2,419	4702133	15
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	61	25	C	138	882	14	1	1518	0	0	0	1,533	2327094	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	59	22	C	146	448	8	1	1601	0	0	0	739	1183139	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	74	5	60	27	D	220	4219	70	5	1699	0	0	0	6,567	11154050	34
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,188	3,168	100%	68	3	62	26	C	68	3739	60	3	1591	0	0	0	6,193	9853063	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,624	99%	17	1	62	21	C	85	774	13	1	1312	0	0	0	1,558	2044096	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,805	98%	12	1	60	21	C	97	575	10	1	1403	0	0	0	1,082	1517505	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,046	98%	24	2	59	24	C	121	1186	20	2	1523	0	0	0	2,060	3137037	9
Chester Ave Off Ramp to H St On Ramp	2,622	2,621	100%	40	2	61	21	C	161	1776	29	2	1310	0	0	0	3,579	4689385	14
H St On Ramp to SR99 NB Off Ramp	2,955	2,953	100%	28	3	58	24	C	188	1318	23	3	1477	0	0	0	2,350	3469775	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,867	100%	27	1	57	17	B	215	805	14	1	948	0	0	0	2,163	2050524	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: CFS-30% (VEH constant, CFS-30%, PCFC at default)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	1	63	19	C	50	3133	50	1	1189	0	0	0	4,648	5525697	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,330	99%	19	1	62	18	B	69	1115	18	1	1110	0	0	0	1,768	1962480	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	9	3	42	33	D	78	520	12	4	1648	0	0	0	555	914455	3
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,601	100%	77	7	59	29	D	156	7098	120	11	1600	0	0	0	6,695	10713435	37
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,311	100%	32	8	53	26	C	188	2483	47	12	1320	0	0	0	2,291	3042162	11
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,576	100%	19	9	32	45	F	207	1165	36	16	1660	1	29	7	926	1536929	8
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,664	97%	32	2	62	19	C	239	2553	42	2	1166	0	0	0	2,890	3369740	10
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,133	97%	10	1	60	20	C	249	820	14	1	1283	0	0	0	844	1083083	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,245	98%	37	5	57	27	D	285	3599	63	9	1561	0	0	0	3,000	4684000	15
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,121	97%	16	1	62	21	C	302	1446	23	1	1280	0	0	0	1,491	1908853	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,572	98%	9	1	58	22	C	311	829	14	2	1393	0	0	0	785	1093505	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,752	97%	26	5	52	26	D	337	2176	42	8	1438	0	0	0	2,014	2895132	10
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,032	96%	16	1	61	17	B	353	1094	18	1	1008	0	0	0	1,432	1443456	4
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,239	96%	33	1	63	13	B	386	1874	30	1	810	0	0	0	3,055	2473786	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,566	97%	34	2	61	14	B	420	2026	33	2	691	0	0	0	3,000	2674125	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,115	97%	40	1	63	10	A	460	1492	24	1	604	0	0	0	3,726	2251036	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	15	B	48	2535	40	1	849	0	0	0	4,498	3816874	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	33	3	59	17	B	81	2205	37	4	1027	0	0	0	2,800	2876767	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	105	1528	24	1	668	0	0	0	2,271	2016648	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	60	16	B	119	969	16	1	1065	0	0	0	1,200	1278600	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	34	5	56	22	C	154	2747	49	7	1290	0	0	0	2,800	3611533	12
California Ave Off Ramp to California Ave On Ramp	4,015	4,015	100%	13	1	62	16	B	167	948	15	1	1016	0	0	0	1,229	1250815	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,352	100%	28	2	59	18	C	195	2025	34	3	1097	0	0	0	2,433	2667957	8
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,870	99%	40	1	63	11	B	235	2019	32	1	718	0	0	0	3,714	2664795	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,807	100%	5	1	51	16	B	240	275	5	1	952	0	0	0	381	362617	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	4,047	99%	23	2	59	16	B	263	1530	26	2	1012	0	0	0	2,004	2027547	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,225	99%	35	1	63	13	B	298	1948	31	1	806	0	0	0	3,189	2570733	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,455	98%	60	3	62	16	B	358	3543	58	3	987	0	0	0	5,403	5333533	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,127	98%	19	1	63	11	B	377	713	11	0	709	0	0	0	1,770	1254930	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,258	99%	10	0	63	11	A	387	382	6	0	753	0	0	0	894	672884	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,317	96%	52	1	63	12	B	438	2096	33	1	772	0	0	0	4,777	3689436	11
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	43	3	55	9	A	43	671	12	1	678	0	0	0	3,523	2389768	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	58	22	C	53	639	11	1	1287	0	0	0	870	1119835	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	37	3	59	24	C	91	2134	36	3	1379	0	0	0	3,265	4501129	15
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	30	4	56	33	D	120	1819	32	4	1973	0	0	0	2,419	4772284	15
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	61	25	C	137	893	15	1	1539	0	0	0	1,533	2359287	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	59	23	C	146	453	8	1	1619	0	0	0	739	1196441	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	74	5	60	28	D	220	4250	70	5	1711	0	0	0	6,567	11232854	34
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	68	3	63	25	C	68	3739	60	3	1591	0	0	0	6,193	9850741	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,659	100%	17	1	62	22	C	85	785	13	1	1331	0	0	0	1,558	2072919	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,849	100%	12	1	60	21	C	97	584	10	1	1425	0	0	0	1,082	1541309	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,089	100%	24	2	59	24	C	121	1202	20	2	1544	0	0	0	2,060	3181327	9
Chester Ave Off Ramp to H St On Ramp	2,622	2,619	100%	40	2	62	21	C	160	1775	29	2	1310	0	0	0	3,579	4686701	14
H St On Ramp to SR99 NB Off Ramp	2,955	2,955	100%	28	3	58	24	C	188	1323	23	2	1484	0	0	0	2,350	3486225	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,860	100%	27	1	57	16	B	215	789	14	1	930	0	0	0	2,163	2011590	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: CFS-40% (VEH constant, CFS-40%, PCFC at default)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	1	63	19	C	50	3132	49	1	1189	0	0	0	4,648	5524923	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,353	100%	19	1	62	18	C	69	1125	18	1	1119	0	0	0	1,768	1978961	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	9	3	42	33	D	78	522	12	4	1655	0	0	0	555	918710	4
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,608	100%	77	6	59	29	D	155	7141	120	10	1611	0	0	0	6,695	10785645	37
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,311	100%	29	5	56	24	C	184	2412	43	8	1335	0	0	0	2,291	3059631	10
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,576	100%	18	8	34	43	E	203	1164	34	15	1659	1	29	5	926	1536003	7
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,715	98%	32	2	62	19	C	235	2581	42	2	1179	0	0	0	2,890	3406588	10
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,183	98%	10	1	60	20	C	244	829	14	1	1295	0	0	0	844	1093613	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,297	99%	35	4	59	26	D	279	3616	61	6	1574	0	0	0	3,000	4723000	15
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,205	99%	16	1	62	21	C	296	1470	24	1	1301	0	0	0	1,491	1940164	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,653	99%	9	1	57	22	C	305	841	15	2	1413	0	0	0	785	1109401	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,827	98%	25	4	54	26	C	330	2206	41	6	1457	0	0	0	2,014	2934082	10
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,103	97%	16	1	61	17	B	346	1113	18	1	1026	0	0	0	1,432	1468874	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,322	98%	33	1	63	13	B	379	1922	30	1	631	0	0	0	3,055	2537178	8
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,628	98%	34	2	61	15	B	413	2061	34	2	907	0	0	0	3,000	2721000	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,136	98%	40	1	64	10	A	453	1507	24	0	610	0	0	0	3,726	2273925	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	15	B	48	2534	40	1	848	0	0	0	4,498	3815589	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	33	3	59	17	B	81	2206	37	4	1030	0	0	0	2,800	2883767	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	105	1534	25	1	892	0	0	0	2,271	2025164	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	60	16	B	119	970	16	1	1067	0	0	0	1,200	1279800	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	35	5	56	23	C	154	2752	50	7	1291	0	0	0	2,890	3614100	12
California Ave Off Ramp to California Ave On Ramp	4,015	4,015	100%	13	1	62	16	B	167	938	15	1	1008	0	0	0	1,229	1238525	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,335	100%	28	2	59	18	B	195	2001	34	3	1084	0	0	0	2,433	2636967	8
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,818	98%	40	1	63	11	B	235	1982	31	1	705	0	0	0	3,714	2616513	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,725	97%	5	1	53	15	B	240	269	5	1	931	0	0	0	381	354806	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	3,947	97%	23	2	59	16	B	263	1492	25	2	987	0	0	0	2,004	1977280	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,157	97%	34	1	63	13	B	298	1906	30	1	769	0	0	0	3,189	2516520	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,386	97%	60	3	62	16	B	357	3482	56	3	970	0	0	0	5,403	5242840	16
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,068	96%	19	1	63	11	A	376	693	11	0	669	0	0	0	1,770	1220120	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,190	96%	10	0	63	10	A	386	371	6	0	730	0	0	0	894	652620	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,245	93%	52	1	63	12	B	438	2030	32	1	748	0	0	0	4,777	3574788	10
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	43	3	56	9	A	43	666	12	1	674	0	0	0	3,523	2373328	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	59	21	C	53	624	11	1	1257	0	0	0	870	1093300	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	37	3	60	23	C	90	2097	35	2	1356	0	0	0	3,265	4427340	14
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	29	4	57	33	D	119	1790	32	4	1942	0	0	0	2,419	4696892	15
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	61	25	C	136	881	14	1	1517	0	0	0	1,533	2324795	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	8	1	60	22	C	144	446	7	1	1595	0	0	0	739	1178705	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	74	5	61	27	D	218	4196	69	4	1688	0	0	0	6,567	11066738	34
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	68	3	62	25	C	68	3737	60	3	1590	0	0	0	6,193	9848418	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,659	100%	17	1	62	22	C	85	768	13	1	1336	0	0	0	1,558	2080709	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,853	100%	12	1	60	21	C	97	585	10	1	1427	0	0	0	1,082	1543473	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,095	100%	24	2	60	24	C	121	1205	20	2	1548	0	0	0	2,060	3187850	9
Chester Ave Off Ramp to H St On Ramp	2,622	2,599	99%	40	2	62	21	C	160	1762	29	1	1300	0	0	0	3,579	4650911	14
H St On Ramp to SR99 NB Off Ramp	2,955	2,936	99%	28	3	58	24	C	188	1310	22	2	1468	0	0	0	2,350	3450192	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,838	98%	27	1	57	16	B	214	779	14	1	919	0	0	0	2,163	1987797	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: CFS-50% (VEH constant, CFS-50%, PCFC at default)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vph)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	1	64	19	C	50	3133	49	1	1169	0	0	0	4,648	5524148	16
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,323	99%	19	1	62	18	B	69	1113	18	1	1108	0	0	0	1,768	1958355	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	9	3	42	33	D	78	519	12	4	1647	0	0	0	555	914270	4
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,589	100%	77	7	59	29	D	155	7085	119	10	1597	0	0	0	6,695	10691437	37
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,291	100%	27	4	58	23	C	183	2346	40	5	1323	0	0	0	2,281	3030134	10
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,576	100%	18	8	34	42	E	201	1156	34	14	1646	1	29	5	926	1525817	7
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,800	4,707	98%	32	2	52	19	C	233	2576	42	2	1177	0	0	0	2,830	3400808	10
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,167	98%	10	1	60	20	C	243	829	14	1	1297	0	0	0	844	1094457	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,297	99%	35	4	59	26	D	278	3612	61	6	1574	0	0	0	3,000	4722500	15
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,198	99%	16	1	62	21	C	294	1468	24	1	1300	0	0	0	1,491	1937555	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,652	99%	9	1	58	22	C	303	841	15	2	1413	0	0	0	785	1109205	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,844	98%	25	4	55	25	C	328	2214	40	6	1461	0	0	0	2,014	2942622	10
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,151	99%	16	1	62	17	B	344	1126	18	1	1038	0	0	0	1,432	1486058	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,339	99%	33	1	63	13	B	377	1932	31	1	635	0	0	0	3,055	2550161	8
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,662	99%	33	2	61	15	B	410	2081	34	2	916	0	0	0	3,000	2746500	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,179	100%	40	1	63	10	A	450	1537	24	1	622	0	0	0	3,726	2319169	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	15	B	48	2534	40	1	849	0	0	0	4,488	3816874	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	33	3	59	17	B	81	2213	37	4	1030	0	0	0	2,800	2884933	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	63	14	B	105	1537	25	1	893	0	0	0	2,271	2028571	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	60	16	B	119	976	16	1	1073	0	0	0	1,200	1287600	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	34	4	57	22	C	153	2774	49	6	1299	0	0	0	2,800	3636967	12
California Ave Off Ramp to California Ave On Ramp	4,015	4,015	100%	13	1	62	16	B	166	950	15	1	1020	0	0	0	1,229	1253587	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,352	100%	28	2	60	18	B	194	2025	34	3	1086	0	0	0	2,433	2667592	8
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,885	100%	40	1	63	11	B	234	2046	32	1	727	0	0	0	3,714	2700078	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,823	100%	5	1	52	15	B	239	276	5	1	956	0	0	0	381	364331	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	4,056	99%	23	2	59	16	B	262	1533	26	2	1014	0	0	0	2,004	2032056	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,227	99%	35	1	63	13	B	297	1949	31	1	807	0	0	0	3,189	2572726	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,477	99%	60	3	62	16	B	356	3566	58	3	993	0	0	0	5,403	5367495	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,054	95%	19	0	63	11	A	375	689	11	0	685	0	0	0	1,770	1211860	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,175	96%	10	0	63	10	A	385	368	6	0	725	0	0	0	894	646150	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,243	93%	52	1	63	11	B	437	2027	32	1	748	0	0	0	4,777	3570808	10
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	42	3	56	9	A	42	663	12	1	672	0	0	0	3,523	2366282	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	59	21	C	52	623	11	1	1256	0	0	0	870	1092865	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	37	3	60	24	C	90	2089	35	3	1350	0	0	0	3,265	4407097	15
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	29	3	57	32	D	119	1778	31	4	1929	0	0	0	2,419	4667057	15
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	61	24	C	136	869	14	1	1497	0	0	0	1,533	2294901	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	59	22	C	144	441	7	1	1576	0	0	0	739	1164295	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	74	5	61	27	D	218	4150	68	4	1670	0	0	0	6,567	10964427	33
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	68	3	62	25	C	68	3738	60	2	1591	0	0	0	6,193	9849967	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,653	100%	17	1	62	21	C	85	783	13	1	1327	0	0	0	1,558	2065687	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,835	99%	12	1	60	21	C	97	581	10	1	1418	0	0	0	1,082	1533735	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,074	99%	23	2	60	24	C	121	1196	20	2	1537	0	0	0	2,060	3168563	9
Chester Ave Off Ramp to H St On Ramp	2,622	2,622	100%	40	2	62	21	C	160	1789	29	2	1320	0	0	0	3,579	4722491	15
H St On Ramp to SR99 NB Off Ramp	2,955	2,955	100%	28	3	58	24	C	188	1325	23	2	1485	0	0	0	2,350	3488575	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,861	100%	27	1	57	16	B	215	789	14	1	931	0	0	0	2,163	2012672	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: CFS-60% (VEH constant, CFS-60%, PCFC at default)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vph)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	1	63	19	C	50	3133	49	1	1189	0	0	0	4,648	5524148	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,322	99%	19	1	62	18	B	69	1112	18	1	1107	0	0	0	1,768	1957765	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	9	3	43	33	D	78	518	12	4	1642	0	0	0	555	911125	3
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,596	100%	77	6	60	29	D	155	7091	119	10	1599	0	0	0	6,635	10703392	37
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,307	100%	27	3	58	23	C	182	2348	40	5	1327	0	0	0	2,291	3039298	10
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,576	100%	17	7	37	40	E	199	1167	32	13	1663	1	29	3	926	1539938	7
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,688	98%	32	2	62	19	C	231	2566	42	2	1172	0	0	0	2,890	3387080	10
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,158	97%	10	1	60	20	C	241	825	14	1	1290	0	0	0	844	1088338	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,273	98%	35	4	58	26	D	276	3607	62	7	1568	0	0	0	3,000	4704500	15
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,209	99%	16	1	62	21	C	293	1471	24	1	1302	0	0	0	1,491	1941655	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,653	99%	9	1	58	22	C	302	840	14	1	1413	0	0	0	785	1109401	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,832	98%	24	3	56	25	C	326	2208	39	5	1458	0	0	0	2,014	2936244	10
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,078	97%	16	1	61	17	B	342	1106	18	1	1020	0	0	0	1,432	1459924	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,333	98%	33	1	63	13	B	375	1929	31	1	833	0	0	0	3,055	2545579	8
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,640	99%	34	2	61	15	B	409	2068	34	2	910	0	0	0	3,000	2730000	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,148	98%	40	1	63	10	A	449	1516	24	1	614	0	0	0	3,726	2286167	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	15	B	48	2534	40	1	849	0	0	0	4,498	3816874	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	32	3	60	17	B	80	2212	37	3	1032	0	0	0	2,800	2888667	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	63	14	B	105	1531	24	1	890	0	0	0	2,271	2021190	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	60	16	B	118	971	16	1	1059	0	0	0	1,200	1281300	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	34	4	57	22	C	152	2774	48	6	1293	0	0	0	2,800	3619933	12
California Ave Off Ramp to California Ave On Ramp	4,015	4,015	100%	13	1	62	16	B	166	936	15	1	1005	0	0	0	1,229	1235145	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,343	100%	28	2	59	18	B	194	2008	34	3	1086	0	0	0	2,433	2641427	8
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,885	100%	40	1	63	11	B	234	2044	32	1	727	0	0	0	3,714	2698221	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,770	99%	5	1	52	15	B	239	272	5	1	943	0	0	0	361	359093	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	4,002	98%	23	2	59	16	B	262	1512	26	2	1000	0	0	0	2,004	2004835	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,158	97%	34	1	63	13	B	296	1906	30	1	789	0	0	0	3,189	2517317	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,402	97%	59	3	62	16	B	356	3436	56	3	972	0	0	0	5,403	5251716	16
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,121	98%	19	1	63	11	B	375	711	11	0	707	0	0	0	1,770	1251390	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,243	99%	10	0	62	11	A	385	380	6	0	748	0	0	0	894	668414	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,298	95%	52	2	63	12	B	436	2078	33	1	766	0	0	0	4,777	3659182	11
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	42	3	56	9	A	42	672	12	1	680	0	0	0	3,523	2396814	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	59	21	C	53	624	11	1	1257	0	0	0	870	1093890	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	37	2	60	23	C	89	2095	35	2	1355	0	0	0	3,265	4423422	14
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	29	4	57	32	D	119	1789	31	4	1939	0	0	0	2,419	4690441	15
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	61	25	C	136	885	14	1	1525	0	0	0	1,533	2337059	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	59	23	C	144	448	8	1	1603	0	0	0	739	1184617	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	74	5	61	27	D	218	4198	69	4	1689	0	0	0	6,567	11092484	34
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	68	3	62	25	C	68	3737	60	3	1580	0	0	0	6,193	9848418	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,645	99%	17	1	62	21	C	85	780	13	1	1323	0	0	0	1,558	2060455	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,827	99%	12	1	60	21	C	97	579	10	1	1414	0	0	0	1,082	1529407	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,060	99%	23	2	60	24	C	121	1190	20	2	1530	0	0	0	2,060	3152143	9
Chester Ave Off Ramp to H St On Ramp	2,622	2,555	97%	39	2	62	21	C	160	1732	28	1	1278	0	0	0	3,579	4572173	14
H St On Ramp to SR99 NB Off Ramp	2,955	2,891	98%	27	3	59	23	C	187	1291	22	2	1446	0	0	0	2,350	3398925	10
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,777	95%	26	1	58	16	B	214	753	13	1	869	0	0	0	2,163	1921826	6

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: CFS-70% (VEH constant, CFS-70%, PCFC at default)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	1	64	19	C	50	3132	49	1	1188	0	0	0	4,648	5523373	16
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,321	99%	19	1	63	18	B	69	1112	18	1	1107	0	0	0	1,768	1957176	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	9	2	44	32	D	77	519	12	3	1648	0	0	0	555	914455	3
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,598	100%	76	5	60	29	D	153	7089	118	8	1599	0	0	0	6,695	10707696	36
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,311	100%	27	3	59	22	C	180	2337	39	4	1329	0	0	0	2,291	3045598	10
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,576	100%	17	7	37	39	E	197	1163	31	12	1658	1	29	2	926	1534845	7
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,728	98%	32	2	62	19	C	229	2588	42	2	1182	0	0	0	2,890	3415980	10
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,192	98%	10	1	60	20	C	238	830	14	1	1298	0	0	0	844	1095512	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,317	99%	35	3	59	26	D	273	3619	61	6	1579	0	0	0	3,000	4738000	15
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,211	99%	16	1	62	21	C	289	1472	24	1	1303	0	0	0	1,491	1942400	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,660	99%	9	1	57	23	C	299	841	15	2	1415	0	0	0	785	1110775	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,824	98%	25	4	55	25	C	324	2205	40	6	1456	0	0	0	2,014	2932216	10
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,056	98%	16	1	62	16	B	339	1100	18	1	1014	0	0	0	1,432	1452048	4
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,269	97%	33	1	63	13	B	372	1892	30	1	817	0	0	0	3,055	2490699	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,893	3,602	93%	33	2	61	14	B	406	2047	33	2	901	0	0	0	3,000	2701500	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,186	2,139	98%	40	1	63	10	A	446	1510	24	1	611	0	0	0	3,726	2277118	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	15	B	48	2534	39	1	849	0	0	0	4,498	3816874	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	32	3	60	17	B	80	2213	37	3	1033	0	0	0	2,800	2893100	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	63	14	B	104	1515	24	1	881	0	0	0	2,271	1999616	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	60	16	B	118	960	16	1	1057	0	0	0	1,200	1267800	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	33	4	58	21	C	152	2734	47	6	1276	0	0	0	2,800	3572567	11
California Ave Off Ramp to California Ave On Ramp	4,015	4,015	100%	13	1	62	16	B	165	947	15	1	1017	0	0	0	1,229	1249893	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,352	100%	28	2	60	18	B	193	2026	34	3	1096	0	0	0	2,433	2667176	8
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,885	100%	40	1	63	12	B	233	2071	33	1	736	0	0	0	3,714	2733504	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,823	100%	5	1	52	15	B	238	278	5	1	962	0	0	0	381	366522	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	4,078	100%	23	2	59	16	B	261	1541	26	2	1020	0	0	0	2,004	2043245	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,240	99%	34	1	63	13	B	295	1956	31	1	810	0	0	0	3,189	2582091	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,482	99%	59	3	62	16	B	354	3570	58	3	995	0	0	0	5,403	5375599	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,118	98%	19	1	63	11	B	373	710	11	0	705	0	0	0	1,770	1249620	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,242	99%	10	0	63	11	A	383	380	6	0	747	0	0	0	894	668116	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,308	96%	52	1	63	12	B	435	2085	33	1	769	0	0	0	4,777	3674309	11
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	42	3	56	9	A	42	677	12	1	686	0	0	0	3,523	2415604	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	59	21	C	52	613	10	1	1237	0	0	0	870	1076335	3
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	37	3	60	23	C	90	2067	34	3	1335	0	0	0	3,265	4358122	14
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	28	3	58	31	D	118	1762	30	3	1913	0	0	0	2,419	4626338	14
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	62	24	C	135	861	14	1	1483	0	0	0	1,533	2272873	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	8	1	60	22	C	143	437	7	1	1561	0	0	0	739	1153579	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	73	4	61	26	D	217	4106	67	4	1652	0	0	0	6,567	10849505	33
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	67	3	63	25	C	67	3736	59	2	1590	0	0	0	6,193	9849192	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,859	2,859	100%	17	1	62	22	C	84	800	13	1	1356	0	0	0	1,558	2111869	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,855	100%	12	1	61	21	C	97	593	10	1	1417	0	0	0	1,082	1565113	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,096	100%	24	2	59	24	C	120	1217	20	2	1564	0	0	0	2,060	3221840	10
Chester Ave Off Ramp to H St On Ramp	2,622	2,622	100%	39	2	62	22	C	160	1823	29	1	1345	0	0	0	3,579	4812860	15
H St On Ramp to SR99 NB Off Ramp	2,955	2,955	100%	27	2	59	24	C	187	1347	23	2	1510	0	0	0	2,350	3548882	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,867	100%	26	1	58	17	B	213	805	14	1	949	0	0	0	2,163	2053228	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: CFS-80% (VEH constant, CFS-80%, PCFC at default)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	1	63	19	C	50	3133	50	1	1180	0	0	0	4,648	5524923	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,335	99%	19	1	62	18	B	69	1117	18	1	1112	0	0	0	1,768	1965427	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	9	3	43	32	D	78	521	12	4	1652	0	0	0	555	916675	3
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,608	100%	76	6	60	29	D	154	7109	119	9	1603	0	0	0	6,695	10733520	37
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,296	100%	27	3	60	22	C	181	2323	39	4	1324	0	0	0	2,291	3033284	10
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,576	100%	16	6	39	38	E	197	1158	30	11	1651	1	29	1	926	1520363	7
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,694	98%	32	1	62	19	C	229	2569	42	2	1174	0	0	0	2,890	3391415	10
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,167	98%	10	1	60	20	C	239	826	14	1	1292	0	0	0	844	1090237	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,255	98%	35	3	59	26	C	273	3584	60	5	1564	0	0	0	3,000	4691250	15
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,218	99%	16	1	62	21	C	290	1474	24	1	1305	0	0	0	1,491	1945010	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,677	99%	9	1	58	22	C	299	844	15	2	1419	0	0	0	785	1114111	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,864	99%	24	3	56	25	C	324	2221	40	5	1465	0	0	0	2,014	2952524	10
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,150	99%	16	1	62	17	B	339	1126	18	1	1038	0	0	0	1,432	1485700	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,331	98%	33	1	63	13	B	372	1927	31	1	833	0	0	0	3,055	2544051	8
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,648	99%	33	2	61	15	B	406	2072	34	2	912	0	0	0	3,000	2736000	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,169	99%	40	1	53	10	A	446	1531	24	1	620	0	0	0	3,726	2308523	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	15	B	49	2534	39	1	648	0	0	0	4,498	3816232	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	32	3	60	17	B	80	2210	37	3	1030	0	0	0	2,800	2884933	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	63	14	B	105	1534	24	1	892	0	0	0	2,271	2024597	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	61	16	B	118	974	16	1	1071	0	0	0	1,200	1285200	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	33	3	59	21	C	151	2768	47	5	1293	0	0	0	2,800	3619467	11
California Ave Off Ramp to California Ave On Ramp	4,015	4,015	100%	14	1	62	17	B	165	953	15	1	1023	0	0	0	1,229	1256960	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,352	100%	28	2	59	18	C	193	2035	34	3	1100	0	0	0	2,433	2675692	8
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,880	100%	40	1	63	11	B	233	2026	32	1	720	0	0	0	3,714	2674080	6
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,796	99%	5	1	51	16	B	238	274	5	1	949	0	0	0	381	361559	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	4,029	99%	23	2	59	16	B	261	1522	26	2	1007	0	0	0	2,004	2018696	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,220	99%	35	1	63	13	B	296	1944	31	1	805	0	0	0	3,189	2567145	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,472	99%	59	2	62	16	B	355	3558	57	2	992	0	0	0	5,403	5359380	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,113	98%	19	1	63	11	B	374	708	11	0	704	0	0	0	1,770	1246670	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,229	98%	10	0	63	11	A	384	378	6	0	743	0	0	0	894	664242	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,291	95%	52	1	63	12	B	435	2072	33	1	764	0	0	0	4,777	3648036	11
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	42	3	57	9	A	42	670	12	1	680	0	0	0	3,523	2394466	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	59	22	C	52	629	11	1	1270	0	0	0	870	1105045	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	37	3	60	23	C	89	2093	35	2	1353	0	0	0	3,265	4418851	14
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	29	3	58	32	D	117	1787	31	3	1339	0	0	0	2,419	4690844	15
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	62	25	C	134	878	14	1	1513	0	0	0	1,533	2318663	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	60	22	C	143	446	7	1	1592	0	0	0	739	1176119	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	73	4	61	27	D	216	4187	69	4	1685	0	0	0	6,567	11062112	34
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	67	3	63	25	C	67	3739	60	2	1591	0	0	0	6,193	9854611	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,659	100%	17	1	62	22	C	85	793	13	1	1344	0	0	0	1,558	2093173	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,855	100%	12	1	61	21	C	97	588	10	1	1435	0	0	0	1,082	1552670	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,096	100%	23	2	60	24	C	120	1209	20	2	1554	0	0	0	2,060	3200897	9
Chester Ave Off Ramp to H St On Ramp	2,622	2,622	100%	39	2	62	21	C	160	1793	29	1	1323	0	0	0	3,579	4734122	14
H St On Ramp to SR99 NB Off Ramp	2,955	2,955	100%	27	2	58	24	C	187	1328	22	2	1489	0	0	0	2,350	3498367	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,867	100%	27	1	58	17	B	213	804	14	1	947	0	0	0	2,163	2047820	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: CFS-90% (VEH constant, CFS-90%, PCFC at default)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	1	64	19	C	50	3133	49	1	1189	0	0	0	4,648	5524923	16
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,336	100%	19	1	62	18	B	69	1118	18	1	1113	0	0	0	1,768	1967195	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	9	3	44	32	D	78	520	12	4	1650	0	0	0	555	915935	3
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,608	100%	76	6	60	29	D	154	7105	118	9	1603	0	0	0	6,695	10730172	36
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,303	100%	27	3	59	22	C	181	2336	40	4	1326	0	0	0	2,291	3037293	10
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,576	100%	17	6	39	36	E	197	1162	30	12	1656	1	29	1	926	1533688	7
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,635	96%	32	1	62	19	C	229	2537	41	2	1159	0	0	0	2,890	3348788	10
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,123	97%	10	1	60	20	C	238	819	14	1	1281	0	0	0	844	1080953	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,176	97%	35	3	59	25	C	273	3538	60	5	1544	0	0	0	3,000	4631750	14
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,097	97%	16	1	62	21	C	290	1439	23	1	1274	0	0	0	1,491	1899907	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,539	97%	9	1	58	22	C	299	823	14	1	1385	0	0	0	785	1087029	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,731	97%	24	3	57	24	C	323	2170	38	4	1433	0	0	0	2,014	2885726	9
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,012	95%	16	1	62	16	B	339	1088	18	1	1003	0	0	0	1,432	1436296	4
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,246	96%	33	1	63	13	B	372	1878	30	1	812	0	0	0	3,055	2479133	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,569	97%	33	2	61	14	B	405	2028	33	2	892	0	0	0	3,000	2676750	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,112	97%	40	1	64	10	A	445	1491	23	0	603	0	0	0	3,726	2248375	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	15	B	48	2533	39	1	848	0	0	0	4,499	3816232	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	32	3	60	17	B	80	2196	37	3	1025	0	0	0	2,800	2869300	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	63	14	B	105	1523	24	1	885	0	0	0	2,271	2009835	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	13	1	61	16	B	118	966	16	1	1063	0	0	0	1,200	1275600	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	33	4	58	21	C	151	2758	47	5	1286	0	0	0	2,800	3601033	11
California Ave Off Ramp to California Ave On Ramp	4,015	4,015	100%	13	1	62	16	B	165	945	15	1	1015	0	0	0	1,229	1247742	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,352	100%	28	2	60	18	B	192	2022	33	2	1083	0	0	0	2,433	2659877	8
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,885	100%	40	1	63	11	B	232	2043	32	1	726	0	0	0	3,714	2696364	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,823	100%	5	1	53	15	B	237	278	5	1	963	0	0	0	381	366903	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	4,078	100%	23	2	60	16	B	260	1543	26	2	1021	0	0	0	2,004	2046919	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,244	99%	34	1	63	13	B	294	1959	31	1	811	0	0	0	3,189	2585880	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,486	99%	59	2	62	16	B	353	3573	57	2	996	0	0	0	5,403	5381388	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,126	98%	19	1	63	11	B	373	713	11	0	709	0	0	0	1,770	1254340	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,247	99%	10	0	62	11	A	382	380	6	0	749	0	0	0	894	669606	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,302	95%	52	1	63	12	B	434	2082	33	1	767	0	0	0	4,777	3664755	11
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	42	3	56	9	A	42	666	12	1	676	0	0	0	3,523	2380374	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	58	22	C	52	629	11	1	1269	0	0	0	870	1103740	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	37	2	61	23	C	89	2095	35	2	1354	0	0	0	3,265	4420810	14
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	28	3	58	32	D	117	1788	31	3	1940	0	0	0	2,419	4693666	14
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	61	25	C	134	889	14	1	1530	0	0	0	1,533	2345490	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	8	1	59	23	C	143	450	8	1	1608	0	0	0	739	1187943	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	73	4	61	27	D	216	4226	69	4	1700	0	0	0	6,567	11163900	34
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	67	3	63	25	C	67	3737	59	2	1591	0	0	0	6,193	9849987	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,659	100%	17	1	62	22	C	84	795	13	1	1347	0	0	0	1,558	2098626	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,855	100%	12	1	61	21	C	96	589	10	1	1437	0	0	0	1,082	1554634	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,096	100%	23	2	60	24	C	120	1213	20	2	1560	0	0	0	2,050	3213600	9
Chester Ave Off Ramp to H St On Ramp	2,622	2,622	100%	40	2	62	21	C	159	1792	29	2	1322	0	0	0	3,579	4731438	15
H St On Ramp to SR99 NB Off Ramp	2,955	2,955	100%	27	3	59	24	C	187	1328	23	2	1488	0	0	0	2,350	3496408	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,867	100%	27	1	57	17	B	213	813	14	1	959	0	0	0	2,163	2073776	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: PCFC-10% (VEH constant, CFS at default, PCFC-10%)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	2	63	19	C	50	3136	50	2	1169	0	0	0	4,648	5526021	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,353	100%	20	1	61	18	C	70	1124	18	1	1119	0	0	0	1,768	1978392	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	10	3	39	36	E	79	522	13	5	1657	1	13	0	555	919450	4
White Ln Direct On Ramp to Ming Ave Off Ramp	5,606	5,608	100%	79	8	58	30	D	158	7155	123	13	1612	0	0	0	6,695	10789471	38
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,311	100%	44	20	43	34	D	202	2850	66	30	1337	0	0	0	2,291	3063067	15
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,576	100%	21	10	30	48	F	223	1167	38	19	1664	1	29	9	926	1540633	8
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,800	100%	32	2	61	20	C	255	2628	43	3	1200	0	0	0	2,890	3468000	11
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,267	99%	10	1	59	20	C	265	842	14	1	1317	0	0	0	844	1111337	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,351	99%	37	5	56	28	D	302	3665	65	9	1588	0	0	0	3,000	4763000	16
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,255	100%	17	1	62	21	C	319	1484	24	1	1314	0	0	0	1,491	1959174	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,711	100%	9	1	57	23	C	328	850	15	2	1429	0	0	0	785	1121373	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,898	99%	32	10	43	33	D	360	2251	52	17	1474	0	0	0	2,014	2969475	12
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,154	99%	17	1	59	18	B	376	1127	19	2	1039	0	0	0	1,432	1487132	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,314	98%	33	1	63	13	B	409	1918	31	1	829	0	0	0	3,055	2531068	8
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,631	98%	34	2	60	15	B	443	2063	34	2	908	0	0	0	3,000	2723250	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,167	99%	40	1	63	10	A	484	1530	24	1	619	0	0	0	3,726	2306926	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	16	B	48	2535	40	1	849	0	0	0	4,496	3816874	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	33	4	58	17	B	81	2188	38	4	1022	0	0	0	2,800	2861600	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	106	1498	24	1	871	0	0	0	2,271	1977473	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	59	16	B	120	954	16	2	1050	0	0	0	1,200	1259700	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,039	99%	36	7	53	23	C	156	2670	51	10	1260	0	0	0	2,800	3527067	12
California Ave Off Ramp to California Ave On Ramp	4,015	3,962	99%	14	1	62	16	B	170	922	15	1	991	0	0	0	1,229	1217325	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,262	98%	29	3	58	18	B	199	1964	34	4	1065	0	0	0	2,433	2592159	8
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,796	97%	40	1	63	11	B	239	1967	31	1	699	0	0	0	3,714	2595086	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,863	96%	5	1	54	14	B	243	264	5	1	916	0	0	0	381	348901	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	3,896	96%	23	2	59	15	B	266	1475	25	2	974	0	0	0	2,004	1952063	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,112	95%	34	1	63	12	B	301	1879	30	1	778	0	0	0	3,189	2480643	7
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,358	96%	60	3	61	16	B	361	3446	56	3	959	0	0	0	5,403	5183407	16
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,072	96%	19	0	63	11	A	380	695	11	0	691	0	0	0	1,770	1222480	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,201	97%	10	0	62	11	A	390	373	6	0	734	0	0	0	894	655898	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,265	94%	52	2	63	12	B	442	2048	33	1	755	0	0	0	4,777	3605839	11
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	44	5	54	9	A	44	679	13	1	685	0	0	0	3,523	2413255	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	58	22	C	54	617	11	1	1246	0	0	0	870	1084165	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	38	4	56	24	C	92	2089	36	4	1347	0	0	0	3,265	4399261	15
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	30	5	55	33	D	122	1767	32	5	1920	0	0	0	2,419	4644883	15
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	61	25	C	140	880	14	1	1517	0	0	0	1,533	2324795	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	59	23	C	148	447	8	1	1596	0	0	0	739	1179075	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	74	5	60	27	D	223	4203	70	5	1691	0	0	0	6,567	11104797	34
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,188	3,188	100%	68	3	62	26	C	68	3740	60	3	1591	0	0	0	6,193	9855385	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,659	100%	17	1	62	22	C	85	786	13	1	1332	0	0	0	1,558	2075256	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,841	100%	12	1	59	21	C	98	582	10	1	1421	0	0	0	1,082	1536981	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,085	100%	24	2	58	25	C	122	1202	21	2	1542	0	0	0	2,060	3177207	10
Chester Ave Off Ramp to H St On Ramp	2,622	2,622	100%	40	2	61	21	C	162	1779	29	2	1313	0	0	0	3,579	4697438	15
H St On Ramp to SR99 NB Off Ramp	2,955	2,955	100%	28	3	58	24	C	190	1318	23	3	1480	0	0	0	2,350	3476825	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,867	100%	27	1	57	17	B	216	796	14	1	938	0	0	0	2,163	2029435	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: PCFC-20% (VEH constant, CFS at default, PCFC-20%)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	1	63	19	C	50	3134	50	1	1189	0	0	0	4,648	5525697	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,344	100%	20	1	62	18	C	70	1120	18	1	1115	0	0	0	1,766	1970731	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	9	3	41	34	D	79	522	13	4	1655	0	0	0	555	918525	4
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,608	100%	79	8	58	30	D	157	7128	123	13	1605	0	0	0	6,695	10745953	38
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,311	100%	44	20	42	34	D	202	2765	65	30	1329	0	0	0	2,291	3044453	15
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,576	100%	21	10	30	46	F	223	1164	39	19	1660	1	29	9	926	1536929	8
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,749	99%	32	2	61	19	C	255	2600	43	3	1187	0	0	0	2,890	3431153	11
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,209	98%	10	1	60	20	C	265	833	14	1	1302	0	0	0	844	1099099	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,292	99%	36	5	57	27	D	301	3628	63	8	1573	0	0	0	3,000	4719000	15
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,246	100%	16	1	62	21	C	317	1481	24	1	1312	0	0	0	1,491	1955447	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,698	100%	10	2	54	24	C	327	847	16	3	1425	0	0	0	785	1118233	4
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,884	99%	33	11	42	33	D	360	2254	53	19	1471	0	0	0	2,014	2962426	13
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,206	100%	17	1	59	18	B	376	1140	19	2	1052	0	0	0	1,432	1505748	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,350	99%	33	1	62	13	B	410	1939	31	1	838	0	0	0	3,055	2558563	8
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,673	99%	34	2	60	15	B	444	2087	35	2	918	0	0	0	3,000	2754375	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,185	100%	40	1	63	10	A	484	1578	25	1	639	0	0	0	3,726	2380914	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	16	B	48	2535	40	1	849	0	0	0	4,498	3817517	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	33	4	58	18	B	82	2206	38	4	1030	0	0	0	2,800	2884700	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	106	1530	25	1	690	0	0	0	2,271	2020055	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	58	17	B	120	971	17	2	1069	0	0	0	1,200	1281000	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	37	8	52	24	C	158	2764	53	11	1295	0	0	0	2,800	3625533	13
California Ave Off Ramp to California Ave On Ramp	4,015	4,015	100%	14	1	62	17	B	171	950	15	1	1020	0	0	0	1,229	1253887	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,352	100%	29	3	56	19	C	200	2021	35	4	1096	0	0	0	2,433	2667176	9
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,885	100%	40	1	63	12	B	240	2050	32	1	729	0	0	0	3,714	2705649	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,823	100%	5	1	50	16	B	245	279	6	1	965	0	0	0	361	367760	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	4,078	100%	24	3	57	17	B	269	1556	27	3	1027	0	0	0	2,004	2057607	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,256	100%	35	1	63	13	B	304	1966	31	1	814	0	0	0	3,189	2595447	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,492	99%	61	4	61	17	B	364	3587	59	4	998	0	0	0	5,403	5390650	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,140	99%	19	1	63	11	B	384	718	11	0	713	0	0	0	1,770	1262600	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,271	100%	10	0	63	11	A	393	384	6	0	757	0	0	0	894	676758	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,324	96%	52	2	63	12	B	445	2101	33	1	775	0	0	0	4,777	3699787	11
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	44	5	54	9	A	44	667	12	1	672	0	0	0	3,523	2368630	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	57	21	C	55	605	11	1	1221	0	0	0	870	1062270	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	37	3	60	23	C	92	2042	34	3	1319	0	0	0	3,265	4307188	14
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	30	4	55	32	D	122	1733	31	4	1883	0	0	0	2,419	4554977	15
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	61	24	C	139	858	14	1	1477	0	0	0	1,533	2284241	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	59	22	C	146	434	7	1	1551	0	0	0	739	1146189	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	74	5	60	27	D	222	4096	68	5	1649	0	0	0	6,567	10824879	33
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	68	3	62	26	C	68	3741	60	3	1592	0	0	0	6,193	9856934	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,659	100%	17	1	61	22	C	85	790	13	1	1339	0	0	0	1,558	2085383	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,855	100%	12	1	60	21	C	98	587	10	1	1432	0	0	0	1,082	1549424	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,096	100%	24	2	59	25	C	122	1211	21	2	1553	0	0	0	2,060	3199523	10
Chester Ave Off Ramp to H St On Ramp	2,622	2,622	100%	40	2	61	22	C	161	1800	29	2	1328	0	0	0	3,579	4751123	15
H St On Ramp to SR99 NB Off Ramp	2,955	2,955	100%	28	3	57	25	C	189	1330	23	3	1491	0	0	0	2,350	3504633	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,867	100%	27	1	57	17	B	216	804	14	1	948	0	0	0	2,163	2049983	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: PCFC-30% (VEH constant, CFS at default, PCFC-30%)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	2	63	19	C	50	3134	50	2	1189	0	0	0	4,648	5525697	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,348	100%	20	1	62	18	C	70	1121	18	1	1116	0	0	0	1,768	1973088	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	9	3	42	34	D	79	523	13	4	1659	0	0	0	555	920745	4
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,608	100%	78	8	58	30	D	157	7139	123	12	1608	0	0	0	6,685	10767473	38
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,311	100%	43	19	45	33	D	200	2828	63	28	1329	0	0	0	2,291	3045312	14
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,576	100%	21	10	31	48	F	221	1156	38	18	1646	1	29	9	926	1526048	8
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,697	98%	32	2	61	19	C	253	2571	42	2	1174	0	0	0	2,890	3393583	11
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,175	98%	10	1	60	20	C	263	827	14	1	1294	0	0	0	844	1091925	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,256	98%	37	5	57	27	D	299	3614	64	9	1567	0	0	0	3,000	4699500	15
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,167	98%	17	1	62	21	C	316	1459	24	1	1292	0	0	0	1,491	1925999	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,627	99%	10	1	56	23	C	325	837	15	2	1407	0	0	0	785	1104299	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,811	98%	30	9	45	31	D	356	2202	49	15	1453	0	0	0	2,014	2925839	12
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,107	98%	16	1	60	17	B	372	1114	19	1	1027	0	0	0	1,432	1470306	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,292	97%	33	1	63	13	B	405	1905	30	1	823	0	0	0	3,055	2514265	8
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,683	3,609	98%	34	2	60	15	B	439	2051	34	2	902	0	0	0	3,000	2706375	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,154	99%	40	1	63	10	A	480	1520	24	1	615	0	0	0	3,726	2293087	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	16	B	48	2535	40	1	849	0	0	0	4,498	3818159	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	33	4	58	17	B	81	2203	38	4	1029	0	0	0	2,800	2880500	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	106	1512	24	1	879	0	0	0	2,271	1996209	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	59	16	B	120	960	16	1	1056	0	0	0	1,200	1267200	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	37	7	52	24	C	157	2736	52	10	1283	0	0	0	2,800	3592400	13
California Ave Off Ramp to California Ave On Ramp	4,015	4,015	100%	14	1	62	16	B	170	935	15	1	1004	0	0	0	1,229	1234223	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,318	99%	29	3	58	18	C	199	1991	34	4	1060	0	0	0	2,433	2626626	8
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,835	98%	40	1	63	11	B	239	1994	32	1	709	0	0	0	3,714	2632298	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,758	98%	5	1	54	15	B	244	271	5	1	940	0	0	0	381	357950	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	3,994	98%	23	2	59	16	B	267	1512	26	2	999	0	0	0	2,004	2001161	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,188	98%	34	1	63	13	B	301	1925	30	1	797	0	0	0	3,189	2541234	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,438	98%	60	3	61	16	B	361	3528	57	3	982	0	0	0	5,403	5306518	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,106	97%	19	1	63	11	B	381	706	11	0	702	0	0	0	1,770	1242540	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,227	98%	10	0	63	11	A	390	377	6	0	742	0	0	0	894	663646	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,285	95%	52	2	63	12	B	442	2066	33	1	762	0	0	0	4,777	3638482	11
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	44	4	54	9	A	44	672	12	1	678	0	0	0	3,523	2389768	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	58	22	C	54	620	11	1	1252	0	0	0	870	1088805	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	38	3	59	24	C	92	2080	35	3	1343	0	0	0	3,265	4386201	15
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	30	4	55	33	D	122	1769	32	5	1922	0	0	0	2,419	4649318	15
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	61	25	C	139	869	14	1	1497	0	0	0	1,533	2294901	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	59	22	C	148	441	8	1	1576	0	0	0	739	1164295	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	74	5	60	27	D	222	4148	69	5	1670	0	0	0	6,567	10964427	34
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	68	3	62	26	C	68	3740	60	3	1591	0	0	0	6,193	9855385	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,659	100%	17	1	62	22	C	85	786	13	1	1332	0	0	0	1,558	2075256	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,839	99%	12	1	59	21	C	98	582	10	1	1420	0	0	0	1,082	1535899	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,085	100%	24	2	59	24	C	122	1202	20	2	1543	0	0	0	2,060	3177893	10
Chester Ave Off Ramp to H St On Ramp	2,622	2,619	100%	40	2	61	21	C	161	1775	29	2	1369	0	0	0	3,579	4885806	14
H St On Ramp to SR99 NB Off Ramp	2,955	2,948	100%	28	3	58	24	C	189	1313	23	3	1474	0	0	0	2,350	3463900	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,853	99%	27	1	57	16	B	216	786	14	1	926	0	0	0	2,163	2003479	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: PCFC-40% (VEH constant, CFS at default, PCFC-40%)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vph)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	1	63	19	C	50	3134	50	1	1189	0	0	0	4,648	5525697	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,344	100%	20	1	62	18	C	70	1120	18	1	1115	0	0	0	1,768	1970731	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	9	3	41	34	D	79	521	13	4	1651	0	0	0	555	916305	4
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,604	100%	78	8	58	30	D	157	7106	122	12	1601	0	0	0	6,695	10719651	38
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,302	100%	47	23	39	37	E	204	2690	69	33	1325	1	67	2	2,291	3036434	16
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,576	100%	21	10	30	48	F	225	1159	38	19	1652	1	29	9	926	1529289	8
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,702	98%	32	2	61	19	C	257	2574	42	2	1176	0	0	0	2,890	3397195	11
Wible Rd On Ramp to SR58 WB On Ramp	5,238	5,169	98%	10	1	60	20	C	266	826	14	1	1292	0	0	0	844	1090659	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,216	97%	37	5	57	27	D	303	3582	63	8	1554	0	0	0	3,000	4662000	15
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,068	96%	16	1	62	20	C	319	1431	23	1	1267	0	0	0	1,491	1889097	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,524	97%	9	1	58	22	C	329	821	14	2	1381	0	0	0	785	1084085	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,689	96%	28	7	49	28	D	356	2160	44	10	1422	0	0	0	2,014	2864412	11
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	3,959	94%	16	1	60	16	B	372	1074	18	1	990	0	0	0	1,432	1417322	4
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,192	94%	33	1	63	13	B	406	1847	29	1	798	0	0	0	3,055	2437880	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,526	95%	34	2	60	14	B	440	2003	33	2	881	0	0	0	3,000	2644125	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,038	93%	40	1	63	9	A	480	1438	23	0	582	0	0	0	3,726	2169064	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	16	B	48	2535	40	1	849	0	0	0	4,498	3817517	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	33	4	58	17	B	81	2208	38	4	1032	0	0	0	2,800	2890767	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	106	1517	24	1	882	0	0	0	2,271	2003022	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	59	16	B	120	955	16	1	1061	0	0	0	1,200	1273500	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	36	7	53	24	C	156	2721	52	10	1280	0	0	0	2,800	3583067	13
California Ave Off Ramp to California Ave On Ramp	4,015	4,013	100%	14	1	62	16	B	170	934	15	1	1003	0	0	0	1,229	1232994	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,317	99%	29	3	58	18	C	198	1990	34	3	1079	0	0	0	2,433	2625815	8
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,840	98%	40	1	63	11	B	238	1998	32	1	710	0	0	0	3,714	2636940	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,768	99%	5	1	52	15	B	243	272	5	1	942	0	0	0	381	358902	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	3,998	98%	23	2	58	16	B	267	1514	26	2	999	0	0	0	2,004	2002831	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,231	99%	35	1	63	13	B	301	1951	31	1	808	0	0	0	3,189	2575815	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,471	99%	60	3	61	17	B	362	3563	58	3	992	0	0	0	5,403	5357846	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,124	98%	19	1	63	11	B	381	712	11	0	708	0	0	0	1,770	1253160	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,247	99%	10	0	62	11	A	391	380	6	0	749	0	0	0	894	669606	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,311	96%	52	2	63	12	B	442	2090	33	1	770	0	0	0	4,777	3679882	11
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	44	4	55	9	A	44	667	12	1	673	0	0	0	3,523	2370979	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	58	22	C	54	617	11	1	1245	0	0	0	870	1083440	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	38	4	59	24	C	92	2069	35	3	1336	0	0	0	3,265	4363346	15
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	30	5	55	33	D	122	1761	32	5	1916	0	0	0	2,419	4633998	15
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	61	25	C	139	872	14	1	1502	0	0	0	1,533	2301800	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	59	22	C	148	443	8	1	1581	0	0	0	739	1168359	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	75	5	60	27	D	222	4161	69	5	1675	0	0	0	6,567	10996442	34
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	68	3	62	26	C	68	3741	60	3	1592	0	0	0	6,193	9856160	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,651	100%	17	1	61	22	C	85	782	13	1	1326	0	0	0	1,558	2065129	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,831	99%	12	1	59	21	C	98	580	10	1	1416	0	0	0	1,082	1531571	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,069	99%	24	2	58	24	C	122	1195	21	2	1534	0	0	0	2,080	3160727	10
Chester Ave Off Ramp to H St On Ramp	2,622	2,611	100%	40	2	61	21	C	162	1770	29	2	1305	0	0	0	3,579	4671480	14
H St On Ramp to SR99 NB Off Ramp	2,955	2,942	100%	28	3	57	24	C	190	1312	23	3	1471	0	0	0	2,350	3456850	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,867	100%	27	1	57	17	B	216	805	14	1	948	0	0	0	2,153	2050524	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: PCFC-50% (VEH constant, CFS at default, PCFC-50%)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	1	63	19	C	50	3134	50	1	1189	0	0	0	4,648	5526472	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,331	99%	19	1	62	18	B	70	1115	18	1	1110	0	0	0	1,768	1963069	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	9	3	40	35	D	79	518	13	5	1643	0	0	0	555	912050	4
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,601	100%	78	8	58	30	D	157	7104	122	13	1800	0	0	0	6,695	10713435	38
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,311	100%	33	9	52	27	D	191	2537	49	14	1330	0	0	0	2,291	3047889	12
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,576	100%	20	10	31	47	F	211	1166	38	18	1662	1	29	8	926	1538781	8
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,756	99%	32	2	61	20	C	243	2604	43	3	1189	0	0	0	2,890	3436210	11
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,201	98%	10	1	59	20	C	253	831	14	1	1300	0	0	0	844	1097411	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,269	98%	36	5	57	27	D	290	3607	63	8	1567	0	0	0	3,000	4701750	15
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,167	98%	16	1	62	21	C	306	1459	24	1	1292	0	0	0	1,481	1925999	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,632	99%	9	1	57	22	C	315	837	15	2	1408	0	0	0	785	1105280	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,822	98%	29	8	48	29	D	344	2215	46	12	1455	0	0	0	2,014	2931377	11
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,089	97%	16	1	60	17	B	360	1109	19	1	1022	0	0	0	1,432	1463862	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,253	96%	33	1	63	13	B	394	1882	30	1	813	0	0	0	3,055	2484479	8
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,578	97%	34	3	60	15	B	428	2033	34	2	895	0	0	0	3,000	2683500	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,101	96%	40	1	63	10	A	468	1483	23	1	600	0	0	0	3,726	2236665	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	15	B	48	2534	40	1	849	0	0	0	4,498	3816874	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	33	4	58	17	B	81	2209	38	4	1030	0	0	0	2,800	2885167	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	106	1513	24	1	880	0	0	0	2,271	1997345	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	60	16	B	120	963	16	1	1059	0	0	0	1,200	1271100	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	36	7	53	24	C	156	2735	52	10	1285	0	0	0	2,800	3598233	13
California Ave Off Ramp to California Ave On Ramp	4,015	4,015	100%	14	1	62	16	B	170	938	15	1	1007	0	0	0	1,229	1237910	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,312	99%	28	3	59	18	B	198	1988	34	3	1078	0	0	0	2,433	2622571	8
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,865	2,870	99%	40	1	63	11	B	238	2019	32	1	718	0	0	0	3,714	2664795	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,774	99%	5	1	52	15	B	243	272	5	1	944	0	0	0	381	359474	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	4,013	98%	23	2	58	16	B	266	1519	26	3	1003	0	0	0	2,004	2010346	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,195	98%	35	1	63	13	B	301	1929	31	1	799	0	0	0	3,189	2547214	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,440	98%	60	4	61	16	B	361	3532	58	3	983	0	0	0	5,403	5309991	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,096	97%	19	1	63	11	B	380	703	11	0	669	0	0	0	1,770	1236640	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,216	97%	10	0	62	11	A	390	375	6	0	739	0	0	0	894	660368	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,278	94%	52	2	63	12	B	442	2060	33	1	759	0	0	0	4,777	3627335	11
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	44	4	55	9	A	44	666	12	1	672	0	0	0	3,523	2368630	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	58	22	C	54	617	11	1	1246	0	0	0	870	1084020	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	38	3	59	24	C	91	2080	35	3	1343	0	0	0	3,265	4386201	15
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	30	4	56	33	D	121	1774	32	5	1924	0	0	0	2,419	4654156	15
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	61	25	C	138	879	14	1	1515	0	0	0	1,533	2321729	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	58	23	C	147	448	8	1	1600	0	0	0	739	1182031	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	74	5	60	27	D	221	4206	70	5	1692	0	0	0	6,567	11113006	34
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	68	3	62	26	C	68	3740	60	3	1591	0	0	0	6,193	9855385	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,632	99%	17	1	62	21	C	85	777	13	1	1316	0	0	0	1,558	2050328	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,815	99%	12	1	60	21	C	98	577	10	1	1408	0	0	0	1,082	1522915	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,057	99%	24	2	59	24	C	121	1190	20	2	1529	0	0	0	2,060	3148710	9
Chester Ave Off Ramp to H St On Ramp	2,622	2,616	100%	40	2	61	21	C	161	1773	29	2	1308	0	0	0	3,579	4680437	14
H St On Ramp to SR99 NB Off Ramp	2,955	2,942	100%	28	3	58	24	C	189	1311	23	3	1471	0	0	0	2,350	3456850	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,867	100%	27	1	57	16	B	216	793	14	1	935	0	0	0	2,163	2022405	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: PCFC-60% (VEH constant, CFS at default, PCFC-60%)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	1	63	19	C	50	3134	50	1	1169	0	0	0	4,648	5526472	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,353	100%	20	1	62	18	C	70	1125	18	1	1120	0	0	0	1,768	1980160	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	9	3	41	34	D	79	523	13	4	1660	0	0	0	555	921485	4
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,608	100%	78	8	58	30	D	157	7148	122	12	1611	0	0	0	6,695	10782776	38
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,311	100%	37	13	49	29	D	194	2669	55	19	1335	0	0	0	2,291	3058199	13
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,576	100%	21	10	31	48	F	215	1164	38	18	1660	1	29	9	926	1536697	8
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,713	98%	32	2	61	19	C	247	2580	42	2	1170	0	0	0	2,890	3405143	11
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,181	98%	10	1	60	20	C	256	928	14	1	1295	0	0	0	844	1093191	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,268	98%	37	5	56	27	D	293	3626	64	9	1567	0	0	0	3,000	4701000	15
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,210	99%	16	1	62	21	C	310	1471	24	1	1303	0	0	0	1,491	1942028	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,666	99%	9	1	57	23	C	319	843	15	2	1417	0	0	0	785	1111953	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,833	98%	29	8	47	30	D	348	2209	47	12	1458	0	0	0	2,014	2937063	11
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,083	97%	16	1	59	17	B	364	1107	19	1	1021	0	0	0	1,432	1461714	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,294	97%	33	1	63	13	B	398	1906	30	1	824	0	0	0	3,055	2515793	8
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,610	98%	34	2	60	15	B	431	2051	34	2	903	0	0	0	3,000	2707500	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,153	99%	40	1	63	10	A	472	1519	24	1	615	0	0	0	3,726	2291490	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	15	B	48	2535	40	1	849	0	0	0	4,498	3816874	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	33	3	59	17	B	81	2210	38	4	1031	0	0	0	2,800	2887967	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	106	1541	25	1	836	0	0	0	2,271	2033681	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	59	16	B	119	977	17	2	1074	0	0	0	1,200	1288800	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	35	6	54	23	C	155	2761	51	9	1299	0	0	0	2,800	3637433	12
California Ave Off Ramp to California Ave On Ramp	4,015	4,015	100%	13	1	62	16	B	168	949	15	1	1020	0	0	0	1,229	1253580	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,352	100%	29	3	58	18	C	197	2031	35	4	1101	0	0	0	2,433	2678733	9
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,885	100%	40	1	63	12	B	237	2050	32	1	729	0	0	0	3,714	2706578	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,818	100%	5	1	53	15	B	242	275	5	1	955	0	0	0	381	363665	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	4,041	99%	23	2	58	16	B	265	1530	26	3	1010	0	0	0	2,004	2024374	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,194	98%	35	1	63	13	B	300	1929	31	1	798	0	0	0	3,189	2546018	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,438	98%	60	3	61	16	B	360	3527	57	3	992	0	0	0	5,403	5306904	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,065	95%	19	1	63	11	A	379	692	11	0	688	0	0	0	1,770	1218350	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,190	96%	10	0	63	11	A	389	371	6	0	730	0	0	0	894	652620	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,247	93%	52	2	63	12	B	440	2032	32	1	749	0	0	0	4,777	3577177	10
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	43	4	55	9	A	43	670	12	1	677	0	0	0	3,523	2383897	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	58	22	C	54	640	11	1	1290	0	0	0	870	1122010	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	38	4	59	25	C	92	2149	37	4	1387	0	0	0	3,265	4528555	15
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	30	5	54	35	D	122	1823	33	5	1882	0	0	0	2,419	4793652	16
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	61	26	C	139	903	15	1	1556	0	0	0	1,533	2385348	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	56	23	C	148	456	8	1	1630	0	0	0	739	1204570	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	75	5	80	28	D	223	4276	71	5	1720	0	0	0	6,567	11290061	35
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,188	3,188	100%	68	3	62	26	C	68	3739	60	3	1591	0	0	0	6,193	9855385	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,659	100%	17	1	62	22	C	85	796	13	1	1349	0	0	0	1,558	2100963	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,855	100%	12	1	59	21	C	98	590	10	1	1440	0	0	0	1,082	1558080	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,096	100%	24	2	59	25	C	121	1211	21	2	1556	0	0	0	2,060	3206047	10
Chester Ave Off Ramp to H St On Ramp	2,622	2,616	100%	40	2	61	21	C	161	1773	29	2	1308	0	0	0	3,579	4681332	14
H St On Ramp to SR99 NB Off Ramp	2,955	2,955	100%	28	3	58	24	C	189	1317	23	3	1478	0	0	0	2,350	3472517	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,864	100%	27	1	57	16	B	216	790	14	1	932	0	0	0	2,163	2015375	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: PCFC-70% (VEH constant, CFS at default, PCFC-70%)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	2	83	19	C	50	3133	50	1	1169	0	0	0	4,648	5525697	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,344	100%	20	1	62	18	C	70	1120	18	1	1115	0	0	0	1,768	1970731	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	9	3	41	35	D	79	524	13	4	1661	0	0	0	555	921670	4
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,608	100%	78	8	58	30	D	157	7141	122	12	1608	0	0	0	6,695	10768429	38
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,311	100%	37	13	49	29	D	194	2665	55	19	1337	0	0	0	2,291	3061922	13
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,576	100%	20	9	32	46	F	214	1167	37	17	1663	1	29	8	926	1539707	8
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,778	99%	32	2	61	20	C	246	2615	43	3	1195	0	0	0	2,890	3452105	11
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,257	99%	10	1	60	20	C	256	840	14	1	1314	0	0	0	844	1109227	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,353	99%	36	5	57	27	D	292	3660	64	8	1588	0	0	0	3,000	4764750	15
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,255	100%	16	1	62	21	C	309	1484	24	1	1314	0	0	0	1,491	1959547	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,711	100%	9	1	57	23	C	318	850	15	2	1430	0	0	0	785	1122354	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,876	99%	30	8	46	30	D	348	2230	48	14	1469	0	0	0	2,014	2958398	12
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,097	97%	16	1	60	17	B	364	1112	19	1	1024	0	0	0	1,432	1466726	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,295	97%	33	1	63	13	B	397	1907	30	1	824	0	0	0	3,055	2516556	8
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,611	98%	34	2	60	15	B	431	2052	34	2	903	0	0	0	3,000	2707875	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,100	96%	40	1	63	10	A	472	1482	23	1	600	0	0	0	3,726	2235068	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	16	B	48	2535	40	1	849	0	0	0	4,498	3817517	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	33	4	58	17	B	81	2212	38	4	1031	0	0	0	2,800	2887500	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	106	1526	24	1	887	0	0	0	2,271	2014377	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	59	16	B	120	970	16	2	1867	0	0	0	1,200	1280100	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	36	6	54	23	C	155	2754	51	9	1290	0	0	0	2,800	3612000	12
California Ave Off Ramp to California Ave On Ramp	4,015	4,015	100%	14	1	62	17	B	169	954	15	1	1025	0	0	0	1,229	1260032	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,352	100%	28	3	58	18	C	197	2034	35	3	1103	0	0	0	2,433	2683802	9
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,885	100%	40	1	63	12	B	238	2085	33	1	741	0	0	0	3,714	2752074	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,823	100%	5	1	53	15	B	242	282	5	1	978	0	0	0	381	372618	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	4,078	100%	23	2	58	17	B	266	1571	27	3	1037	0	0	0	2,004	2078816	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,267	100%	35	1	63	13	B	300	1984	32	1	822	0	0	0	3,189	2619764	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,512	100%	60	3	61	17	B	361	3625	59	3	1009	0	0	0	5,403	5452399	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,185	100%	19	1	63	12	B	380	734	12	0	730	0	0	0	1,770	1292100	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,276	100%	10	0	62	11	B	390	391	6	0	769	0	0	0	894	687784	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,367	98%	52	2	63	12	B	441	2141	34	1	769	0	0	0	4,777	3768257	11
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	44	4	55	9	A	44	669	12	1	676	0	0	0	3,523	2380374	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	58	21	C	54	615	11	1	1240	0	0	0	870	1078945	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	37	3	59	23	C	91	2071	35	3	1338	0	0	0	3,265	4367264	14
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	30	4	55	33	D	121	1768	32	5	1919	0	0	0	2,419	4641255	15
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	61	25	C	138	871	14	1	1501	0	0	0	1,533	2300267	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	59	22	C	147	442	8	1	1578	0	0	0	739	1166142	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	74	5	60	27	D	221	4143	69	5	1667	0	0	0	6,567	10948831	34
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	68	3	62	26	C	68	3741	60	3	1592	0	0	0	6,193	9856160	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,659	100%	17	1	61	22	C	85	787	13	1	1335	0	0	0	1,558	2079151	6
Brundage Ln On Ramp to Union Ave On Ramp	2,865	2,847	100%	12	1	60	21	C	98	583	10	1	1424	0	0	0	1,082	1540227	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,091	100%	24	2	59	24	C	122	1203	21	2	1546	0	0	0	2,060	3183730	10
Chester Ave Off Ramp to H St On Ramp	2,622	2,622	100%	40	2	61	21	C	161	1780	29	2	1313	0	0	0	3,579	4700122	14
H St On Ramp to SR99 NB Off Ramp	2,955	2,955	100%	28	3	57	25	C	189	1320	23	3	1479	0	0	0	2,350	3476433	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,853	99%	27	1	57	16	B	216	787	14	1	927	0	0	0	2,163	2004020	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: CFS+10%_PCFC-10%_normal (VEH normal distribution, CFS+10%, PCFC-10%)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	1	63	19	C	50	3138	50	1	1191	0	0	0	4,648	5534219	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,353	100%	20	1	61	18	C	70	1125	18	1	1120	0	0	0	1,768	1979571	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	10	4	38	37	E	80	522	14	5	1657	1	13	1	555	919450	4
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,608	100%	80	9	57	30	D	159	7132	124	14	1603	0	0	0	6,695	10733998	38
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,280	99%	47	23	41	36	E	206	2824	69	34	1320	0	0	0	2,291	3023834	16
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,564	100%	21	10	30	48	F	227	1151	38	19	1641	1	29	9	926	1519566	8
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,730	98%	32	2	61	19	C	260	2589	43	3	1183	0	0	0	2,890	3417425	11
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,209	98%	10	1	59	20	C	269	833	14	1	1302	0	0	0	844	1099099	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,322	99%	37	6	56	28	D	307	3653	65	10	1580	0	0	0	3,000	4741250	16
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,211	99%	17	1	62	21	C	323	1471	24	1	1303	0	0	0	1,491	1942400	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,668	99%	11	3	48	27	D	334	842	17	5	1417	0	0	0	785	1112345	4
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,832	98%	36	15	38	37	E	370	2220	58	24	1458	1	56	3	2,014	2936580	14
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,148	99%	17	1	59	18	B	387	1125	19	2	1037	0	0	0	1,432	1484984	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,335	98%	33	1	62	13	B	420	1930	31	1	634	0	0	0	3,055	2547106	8
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,653	99%	35	3	59	15	B	455	2075	35	3	913	0	0	0	3,000	2739375	9
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,098	96%	40	1	63	10	A	495	1481	23	1	569	0	0	0	3,726	2233471	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	16	B	48	2535	40	1	849	0	0	0	4,498	3817517	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	33	4	58	17	B	81	2202	38	4	1027	0	0	0	2,800	2875133	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	106	1532	25	1	690	0	0	0	2,271	2021190	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	59	16	B	120	967	16	2	1964	0	0	0	1,200	1277100	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	38	8	51	25	C	158	2752	54	12	1290	0	0	0	2,800	3611300	13
California Ave Off Ramp to California Ave On Ramp	4,015	4,015	100%	13	1	62	16	B	171	937	15	1	1007	0	0	0	1,229	1236989	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,339	100%	29	3	57	18	C	200	1997	35	4	1085	0	0	0	2,433	2638994	9
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,885	100%	40	1	63	11	B	240	2035	32	1	723	0	0	0	3,714	2686151	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,790	99%	5	1	52	15	B	245	274	5	1	948	0	0	0	381	360998	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	4,025	99%	24	2	58	16	B	269	1524	26	3	1006	0	0	0	2,004	2016525	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,205	98%	35	1	63	13	B	303	1935	31	1	801	0	0	0	3,189	2555186	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,442	98%	61	4	61	17	B	364	3535	58	4	903	0	0	0	5,403	5313079	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,083	96%	19	1	63	11	B	383	698	11	0	594	0	0	0	1,770	1228970	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,204	97%	10	0	62	11	A	393	373	6	0	735	0	0	0	894	656792	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,272	94%	52	2	63	12	B	445	2054	33	1	757	0	0	0	4,777	3617791	11
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	44	5	54	9	A	44	668	12	1	672	0	0	0	3,523	2368630	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	58	21	C	55	610	11	1	1230	0	0	0	870	1070390	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	38	3	59	23	C	92	2056	35	3	1327	0	0	0	3,285	4332002	14
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	31	5	54	33	D	123	1750	32	5	1899	0	0	0	2,419	4593278	15
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	61	25	C	140	874	14	1	1505	0	0	0	1,533	2306399	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	58	23	C	149	443	8	1	1562	0	0	0	739	1169098	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	74	5	60	27	D	223	4160	69	5	1675	0	0	0	6,567	10990442	34
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	69	4	62	26	C	69	3743	61	3	1593	0	0	0	6,193	9863127	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,659	100%	17	1	61	22	C	86	768	13	1	1335	0	0	0	1,558	2079930	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,853	100%	12	1	59	21	C	98	585	10	1	1427	0	0	0	1,082	1543473	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,096	100%	24	3	57	25	C	123	1207	21	2	1549	0	0	0	2,060	3190940	10
Chester Ave Off Ramp to H St On Ramp	2,622	2,622	100%	40	2	61	22	C	163	1797	29	2	1326	0	0	0	3,579	4744859	15
H St On Ramp to SR99 NB Off Ramp	2,955	2,955	100%	28	4	58	25	C	191	1326	24	3	1488	0	0	0	2,350	3495625	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,867	100%	27	1	57	17	B	218	796	14	1	939	0	0	0	2,163	2030516	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: CFS+10%_PCFC-30%_normal (VEH normal distribution, CFS+10%, PCFC-30%)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	1	63	19	C	50	3136	50	1	1190	0	0	0	4,648	5531895	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,351	100%	20	1	62	16	C	70	1122	18	1	1117	0	0	0	1,768	1974856	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	9	3	40	35	D	79	522	13	5	1656	0	0	0	555	919265	4
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,608	100%	79	8	58	30	D	158	7130	123	13	1605	0	0	0	6,695	10742606	38
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,311	100%	44	20	43	34	D	202	2760	65	29	1331	0	0	0	2,291	3048176	15
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,576	100%	21	10	31	48	F	222	1163	38	18	1658	1	29	9	926	1535308	8
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,808	100%	32	2	61	20	C	255	2638	43	3	1205	0	0	0	2,890	3481728	11
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,291	100%	10	1	60	20	C	264	846	14	1	1323	0	0	0	844	1116401	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,386	100%	38	6	55	28	D	302	3712	68	11	1600	0	0	0	3,000	4800000	16
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,255	100%	17	1	62	21	C	319	1487	24	1	1317	0	0	0	1,491	1963647	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,711	100%	10	2	55	24	C	328	850	15	2	1430	0	0	0	785	1122550	4
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,890	99%	33	12	41	34	D	362	2244	55	20	1473	0	0	0	2,014	2965783	13
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,188	100%	17	1	59	18	B	379	1136	19	2	1047	0	0	0	1,432	1499304	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,358	99%	33	1	62	13	B	412	1943	31	1	840	0	0	0	3,055	2564673	8
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,668	99%	34	3	60	15	B	446	2084	35	3	917	0	0	0	3,000	2751000	9
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,185	100%	40	1	63	10	A	487	1547	25	1	626	0	0	0	3,726	2334073	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	16	B	48	2535	40	1	849	0	0	0	4,498	3817517	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,082	4,082	100%	34	4	57	18	B	82	2208	39	5	1032	0	0	0	2,800	2888433	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	107	1516	24	1	881	0	0	0	2,271	2000751	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	59	16	B	120	963	16	2	1059	0	0	0	1,200	1270500	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	37	8	51	24	C	156	2724	53	11	1283	0	0	0	2,800	3592167	13
California Ave Off Ramp to California Ave On Ramp	4,015	4,015	100%	14	1	62	16	B	171	942	15	1	1012	0	0	0	1,229	1243748	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,352	100%	29	3	57	19	C	200	2006	35	4	1090	0	0	0	2,433	2652173	9
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,870	99%	40	1	63	11	B	240	2019	32	1	718	0	0	0	3,714	2664795	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,780	99%	5	1	52	15	B	246	273	5	1	945	0	0	0	381	360045	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	4,001	98%	24	2	58	16	B	269	1514	26	3	1000	0	0	0	2,004	2004501	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,205	98%	35	1	63	13	B	303	1935	31	1	801	0	0	0	3,189	2555186	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,450	98%	61	4	61	17	B	364	3545	58	4	986	0	0	0	5,403	5326200	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,096	97%	19	1	63	11	B	384	703	11	0	699	0	0	0	1,770	1236540	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,212	97%	10	0	62	11	A	393	374	6	0	737	0	0	0	894	659176	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,278	94%	52	2	63	12	B	445	2059	33	1	759	0	0	0	4,777	3626539	11
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	45	5	54	9	A	45	673	13	1	677	0	0	0	3,523	2383897	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	58	21	C	55	611	11	1	1233	0	0	0	870	1072855	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	38	4	58	24	C	93	2057	35	4	1328	0	0	0	3,265	4335267	15
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	31	6	53	34	D	124	1754	33	6	1903	0	0	0	2,419	4602551	16
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	61	25	C	141	868	14	1	1496	0	0	0	1,533	2292602	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	59	22	C	150	441	7	1	1576	0	0	0	739	1164664	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	75	6	60	27	D	224	4145	69	5	1668	0	0	0	6,567	10952935	34
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,188	3,168	100%	69	4	62	26	C	69	3745	61	3	1593	0	0	0	6,193	9864675	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,648	100%	17	1	61	22	C	86	781	13	1	1324	0	0	0	1,558	2062792	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,827	99%	12	1	59	21	C	98	579	10	1	1414	0	0	0	1,062	1529407	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,076	99%	24	3	57	25	C	123	1199	21	2	1538	0	0	0	2,060	3167937	10
Chester Ave Off Ramp to H St On Ramp	2,622	2,619	100%	40	3	61	21	C	163	1775	29	2	1369	0	0	0	3,579	4685806	15
H St On Ramp to SR99 NB Off Ramp	2,955	2,944	100%	28	4	56	25	C	191	1311	23	3	1472	0	0	0	2,350	3458808	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,833	98%	27	1	57	16	B	218	778	14	1	916	0	0	0	2,163	1981849	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: CFS+10%_PCFC-50%_normal (VEH normal distribution, CFS+10%, PCFC-50%)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	1	63	19	C	50	3138	50	1	1190	0	0	0	4,648	5532669	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,353	100%	20	1	62	18	C	70	1127	18	1	1122	0	0	0	1,768	1984286	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	10	4	39	36	E	79	524	13	5	1661	1	13	0	555	921670	4
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,608	100%	79	8	58	30	D	158	7147	123	13	1609	0	0	0	6,695	10774168	38
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,311	100%	44	20	42	35	D	202	2773	66	30	1336	0	0	0	2,291	3060776	15
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,576	100%	21	11	30	49	F	223	1163	39	19	1657	1	29	10	926	1534614	9
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,708	98%	32	2	61	19	C	256	2577	42	3	1177	0	0	0	2,890	3401530	11
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,175	98%	10	1	60	20	C	265	827	14	1	1294	0	0	0	644	1091925	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,288	98%	37	5	56	27	D	302	3828	65	10	1572	0	0	0	3,000	4716000	16
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,169	98%	16	1	62	21	C	319	1460	24	1	1292	0	0	0	1,491	1926745	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,628	99%	9	1	58	22	C	328	836	14	1	1407	0	0	0	785	1104495	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,794	98%	28	7	49	29	D	356	2201	45	11	1449	0	0	0	2,014	2917447	11
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,123	98%	16	1	60	17	B	373	1118	19	1	1031	0	0	0	1,432	1476034	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,362	99%	33	1	63	13	B	406	1945	31	1	841	0	0	0	3,055	2567728	8
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,685	100%	34	3	60	15	B	440	2094	35	3	921	0	0	0	3,000	2763750	9
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,136	98%	40	1	63	10	A	480	1508	24	1	610	0	0	0	3,726	2273925	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	49	1	64	16	B	48	2535	40	1	849	0	0	0	4,498	3817517	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	33	4	58	17	B	81	2188	37	4	1022	0	0	0	2,890	2861833	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	106	1505	24	1	875	0	0	0	2,271	1985990	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	60	16	B	120	958	16	1	1054	0	0	0	1,200	1264500	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	37	8	51	24	C	157	2711	53	11	1279	0	0	0	2,800	3579800	13
California Ave Off Ramp to California Ave On Ramp	4,015	4,015	100%	14	1	62	16	B	170	949	15	1	1020	0	0	0	1,229	1252966	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,352	100%	29	3	58	18	C	199	2018	35	4	1095	0	0	0	2,433	2664135	9
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,879	100%	40	1	63	11	B	239	2025	32	1	720	0	0	0	3,714	2673152	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,823	100%	5	1	51	16	B	244	277	5	1	960	0	0	0	381	365665	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	4,088	100%	24	2	58	16	B	268	1540	27	3	1017	0	0	0	2,004	2038235	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,287	100%	35	1	63	13	B	302	1873	31	1	817	0	0	0	3,189	2604217	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,505	100%	61	4	61	17	B	363	3599	59	4	1002	0	0	0	5,403	5411105	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,162	100%	19	1	63	11	B	382	725	12	0	721	0	0	0	1,770	1275580	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,276	100%	10	0	63	11	A	392	386	6	0	760	0	0	0	894	679440	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,345	97%	52	2	63	12	B	444	2120	34	1	782	0	0	0	4,777	3733226	11
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	44	4	54	9	A	44	654	12	1	660	0	0	0	3,523	2325180	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	58	22	C	54	621	11	1	1253	0	0	0	870	1090110	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	38	3	59	23	C	92	2054	35	3	1326	0	0	0	3,265	4330696	14
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	30	5	55	33	D	122	1753	32	5	1302	0	0	0	2,419	4600132	15
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	61	24	C	139	867	14	1	1484	0	0	0	1,533	2289538	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	59	22	C	146	441	8	1	1573	0	0	0	739	1162447	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	75	6	60	27	D	222	4133	69	5	1664	0	0	0	6,567	10924205	34
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	68	4	62	26	C	68	3745	61	3	1584	0	0	0	6,193	9869320	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,659	100%	17	1	61	22	C	85	791	13	1	1341	0	0	0	1,558	2089278	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,855	100%	12	1	60	21	C	98	586	10	1	1430	0	0	0	1,082	1547260	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,096	100%	24	2	59	25	C	122	1209	21	2	1552	0	0	0	2,060	3196090	10
Chester Ave Off Ramp to H St On Ramp	2,622	2,622	100%	40	2	61	22	C	162	1812	29	2	1337	0	0	0	3,579	4785123	15
H St On Ramp to SR99 NB Off Ramp	2,955	2,955	100%	28	3	58	25	C	189	1336	23	2	1500	0	0	0	2,350	3525000	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,867	100%	27	1	57	17	B	216	806	14	1	947	0	0	0	2,163	2048902	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: CFS+30%_PCFC-10%_normal (VEH normal distribution, CFS+30%, PCFC-10%)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	2	63	19	C	50	3138	50	2	1191	0	0	0	4,648	5534219	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,349	100%	20	1	62	18	C	70	1121	18	1	1116	0	0	0	1,768	1973677	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	10	4	39	36	E	80	522	13	5	1855	1	13	0	555	918525	4
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,519	98%	129	58	36	49	F	208	7135	197	90	1577	1	178	19	6,635	10557537	62
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,040	95%	85	60	18	70	F	293	2156	119	84	1260	2	54	65	2,291	2886374	30
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,366	97%	21	10	30	47	F	314	1116	37	16	1592	1	28	9	926	1473729	8
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,607	96%	33	2	60	19	C	347	2522	42	3	1152	0	0	0	2,890	3328558	10
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,078	96%	10	1	59	20	C	357	812	14	1	1270	0	0	0	844	1071456	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,172	97%	38	7	55	28	D	395	3571	65	11	1543	0	0	0	3,000	4629250	16
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,080	97%	22	7	46	28	D	417	1434	31	9	1270	0	0	0	1,491	1893570	8
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,457	96%	23	14	23	53	F	440	811	35	22	1364	2	20	14	785	1070936	8
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,618	95%	42	21	33	42	E	462	2195	66	33	1405	1	55	11	2,014	2828663	16
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	3,928	93%	17	2	59	17	B	499	1065	18	2	982	0	0	0	1,432	1406224	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,200	94%	34	1	62	13	B	532	1851	30	1	809	0	0	0	3,055	2444000	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,524	95%	35	3	59	15	B	567	2002	34	3	881	0	0	0	3,000	2642625	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,113	97%	40	1	63	10	A	607	1492	24	1	604	0	0	0	3,726	2249439	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	16	B	48	2535	40	1	849	0	0	0	4,498	3818159	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	35	5	56	18	C	83	2210	39	6	1030	0	0	0	2,800	2884000	10
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	108	1510	24	1	878	0	0	0	2,271	1993370	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	2	58	17	B	122	959	17	2	1056	0	0	0	1,200	1266600	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	41	11	47	26	D	163	2742	58	16	1278	0	0	0	2,600	3578633	14
California Ave Off Ramp to California Ave On Ramp	4,015	4,012	100%	14	1	62	16	B	176	934	15	1	1003	0	0	0	1,229	1232687	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,326	99%	30	4	56	19	C	206	1989	36	5	1081	0	0	0	2,433	2631087	9
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,801	97%	40	1	63	11	B	246	1970	31	1	700	0	0	0	3,714	2600729	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,686	96%	5	1	52	15	B	251	266	5	1	922	0	0	0	381	351092	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	3,917	96%	24	3	57	16	B	275	1484	26	3	979	0	0	0	2,004	1962250	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,100	95%	35	1	63	12	B	310	1872	30	1	775	0	0	0	3,189	2471475	7
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,336	95%	61	4	61	16	B	371	3427	57	4	953	0	0	0	5,403	5149445	16
White Ln Off Ramp to White Ln Loop On Ramp	2,166	2,051	95%	19	1	63	11	A	390	687	11	0	684	0	0	0	1,770	1210090	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,170	95%	10	0	63	10	A	399	367	6	0	723	0	0	0	894	646660	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,232	92%	52	2	63	11	B	451	2018	32	1	744	0	0	0	4,777	3554088	10
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	46	6	52	10	A	46	670	13	2	672	0	0	0	3,523	2367456	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	57	21	C	56	605	11	1	1223	0	0	0	870	1063720	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	39	5	57	24	C	95	2040	36	4	1316	0	0	0	3,265	4296087	15
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	33	8	50	36	E	128	1732	35	8	1860	0	0	0	2,419	4546914	16
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	60	24	C	146	854	14	1	1470	0	0	0	1,533	2253510	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	8	1	60	22	C	154	433	7	1	1547	0	0	0	739	1142864	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	75	6	60	27	D	229	4076	68	5	1641	0	0	0	6,567	10775626	33
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	69	4	61	26	C	69	3746	61	4	1594	0	0	0	6,193	9869320	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,659	100%	17	1	61	22	C	86	792	13	1	1343	0	0	0	1,558	2091615	6
Brundage Ln On Ramp to Union Ave On Ramp	2,865	2,865	100%	13	1	59	21	C	99	587	10	1	1433	0	0	0	1,082	1549965	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,096	100%	25	3	57	26	C	124	1216	21	3	1559	0	0	0	2,060	3212227	10
Chester Ave Off Ramp to H St On Ramp	2,622	2,622	100%	40	3	61	22	C	164	1779	29	2	1312	0	0	0	3,579	4696543	15
H St On Ramp to SR99 NB Off Ramp	2,955	2,953	100%	29	4	55	25	C	193	1315	24	4	1477	0	0	0	2,350	3470167	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,867	100%	27	1	57	16	B	220	792	14	1	935	0	0	0	2,153	2021864	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: CFS+30%_PCFC-30%_normal (VEH normal distribution, CFS+30%, PCFC-30%)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	2	63	19	C	50	3138	50	2	1191	0	0	0	4,648	5534219	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,353	100%	20	1	62	18	C	70	1123	18	1	1118	0	0	0	1,768	1976624	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	10	4	38	37	E	80	522	14	5	1656	1	13	1	555	919265	4
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,554	99%	115	44	41	43	E	194	7178	177	68	1587	0	0	0	6,695	10623530	55
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,108	96%	85	60	18	70	F	279	2191	121	86	1277	2	55	66	2,291	2925607	31
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,405	97%	21	10	30	47	F	300	1123	37	18	1601	1	28	9	926	1482758	8
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,572	95%	33	2	60	19	C	333	2503	41	3	1143	0	0	0	2,890	3303270	10
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,038	95%	10	1	60	19	C	343	805	13	1	1260	0	0	0	844	1063018	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,105	96%	38	6	55	27	D	380	3528	64	11	1526	0	0	0	3,000	4578750	15
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,045	96%	17	1	61	21	C	397	1425	23	1	1261	0	0	0	1,491	1880524	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,506	96%	10	1	55	23	C	407	818	15	2	1377	0	0	0	785	1080553	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,652	95%	33	12	41	33	D	440	2157	52	19	1413	0	0	0	2,014	2845614	12
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	3,997	95%	17	1	59	17	B	456	1064	18	1	999	0	0	0	1,432	1430926	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,272	97%	33	1	62	13	B	490	1893	30	1	818	0	0	0	3,055	2498990	8
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,586	97%	35	3	58	15	B	525	2037	35	3	837	0	0	0	3,000	2689500	9
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,086	95%	40	1	63	10	A	565	1472	23	1	596	0	0	0	3,726	2220104	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	16	B	48	2536	40	1	849	0	0	0	4,498	3818158	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	34	4	57	18	B	82	2201	38	5	1030	0	0	0	2,800	2885167	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	107	1535	25	1	893	0	0	0	2,271	2028898	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	58	17	B	121	970	17	2	1068	0	0	0	1,200	1281000	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	41	12	46	27	D	162	2742	59	17	1291	0	0	0	2,800	3614333	14
California Ave Off Ramp to California Ave On Ramp	4,015	4,015	100%	14	1	62	16	B	176	937	15	1	1007	0	0	0	1,229	1237296	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,327	99%	30	5	55	19	C	206	1992	36	6	1062	0	0	0	2,433	2631898	9
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,872	100%	40	1	63	11	B	246	2020	32	1	718	0	0	0	3,714	2666652	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,757	98%	5	1	55	14	B	251	271	5	1	939	0	0	0	381	357854	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	3,979	98%	23	2	58	16	B	274	1508	26	3	995	0	0	0	2,004	1993479	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,180	97%	34	1	63	13	B	309	1908	30	1	790	0	0	0	3,189	2518911	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,411	97%	61	4	61	16	B	370	3505	58	4	975	0	0	0	5,403	5265224	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,112	98%	19	1	63	11	B	389	706	11	0	704	0	0	0	1,770	1246080	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,230	98%	10	0	63	11	A	398	378	6	0	743	0	0	0	894	664540	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,286	95%	52	2	83	12	B	450	2067	33	1	762	0	0	0	4,777	3640074	11
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	46	6	52	10	A	46	677	13	2	678	0	0	0	3,523	2389768	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	57	22	C	56	614	11	1	1239	0	0	0	870	1078220	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	39	4	58	24	C	95	2051	36	4	1324	0	0	0	3,265	4322207	15
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	33	7	51	36	E	127	1753	35	8	1662	0	0	0	2,419	4599729	16
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	60	25	C	145	876	15	1	1508	0	0	0	1,533	2311764	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	58	23	C	153	444	8	1	1586	0	0	0	739	1172054	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	76	6	59	28	D	229	4180	71	6	1682	0	0	0	6,567	11043231	35
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	69	4	61	26	C	69	3745	61	4	1593	0	0	0	6,193	9866223	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,659	100%	17	1	61	22	C	86	791	13	1	1340	0	0	0	1,558	2087720	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,855	100%	13	1	59	21	C	99	587	10	1	1432	0	0	0	1,082	1548883	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,096	100%	25	3	57	25	C	124	1212	21	3	1555	0	0	0	2,060	3202270	10
Chester Ave Off Ramp to H St On Ramp	2,622	2,622	100%	40	3	61	22	C	164	1782	29	2	1315	0	0	0	3,579	4705490	15
H St On Ramp to SR99 NB Off Ramp	2,955	2,955	100%	29	4	56	25	C	193	1316	24	3	1478	0	0	0	2,350	3472125	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,867	100%	27	1	57	17	B	219	799	14	1	943	0	0	0	2,163	2038628	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: CFS+30%_PCFC-50%_normal (VEH normal distribution, CFS+30%, PCFC-50%)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	2	63	19	C	50	3138	50	2	1191	0	0	0	4,648	5536543	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,340	100%	20	1	62	18	C	70	1118	18	1	1113	0	0	0	1,768	1958373	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	9	3	41	35	D	79	523	13	5	1659	0	0	0	555	920930	4
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,600	100%	108	37	44	41	E	187	7296	167	58	1600	0	0	0	6,695	10712478	52
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,220	98%	82	57	19	89	F	268	2234	118	83	1305	2	56	63	2,291	2989469	30
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,521	99%	21	10	31	47	F	289	1144	37	18	1630	1	29	9	926	1509612	8
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,661	97%	33	2	60	19	C	322	2551	42	3	1165	0	0	0	2,890	3367573	11
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,129	97%	10	1	60	20	C	331	820	14	1	1282	0	0	0	844	1082219	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,151	96%	37	5	56	27	D	368	3541	63	9	1538	0	0	0	3,000	4613000	15
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,061	96%	17	1	62	21	C	385	1429	23	1	1265	0	0	0	1,491	1886488	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,504	96%	11	3	47	27	D	396	818	17	5	1376	0	0	0	785	1080160	4
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,670	95%	37	16	37	36	E	433	2165	58	24	1417	1	54	4	2,014	2854677	14
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,023	96%	17	1	59	17	B	449	1091	19	2	1006	0	0	0	1,432	1440234	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,231	95%	33	1	62	13	B	483	1869	30	1	808	0	0	0	3,055	2467676	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,552	96%	35	3	59	15	B	518	2018	34	3	868	0	0	0	3,000	2663625	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,125	97%	40	1	63	10	A	558	1500	24	1	607	0	0	0	3,726	2262214	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	16	B	48	2536	40	1	849	0	0	0	4,498	3818159	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	34	4	57	18	B	82	2206	39	5	1030	0	0	0	2,800	2884467	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	107	1540	25	1	695	0	0	0	2,271	2033113	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	2	58	17	B	121	975	17	2	1073	0	0	0	1,200	1287000	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	40	10	48	26	D	161	2758	57	15	1298	0	0	0	2,600	3633700	14
California Ave Off Ramp to California Ave On Ramp	4,015	4,015	100%	14	1	62	16	B	175	944	15	1	1014	0	0	0	1,229	1245899	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,352	100%	29	4	56	19	C	204	2004	36	5	1090	0	0	0	2,433	2651362	9
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,848	99%	40	1	63	11	B	244	2004	32	1	712	0	0	0	3,714	2644368	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,754	98%	5	1	54	15	B	249	271	5	1	939	0	0	0	381	357569	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	3,979	98%	24	2	58	16	B	272	1508	26	3	995	0	0	0	2,004	1993479	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,156	97%	35	1	63	13	B	307	1905	30	1	789	0	0	0	3,189	2515722	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,397	97%	61	4	61	16	B	368	3492	58	4	971	0	0	0	5,403	5243997	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,093	97%	19	1	63	11	B	387	702	11	0	698	0	0	0	1,770	1234870	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,208	97%	10	0	63	11	A	397	374	6	0	736	0	0	0	894	657984	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,273	94%	52	2	63	12	B	449	2056	33	1	758	0	0	0	4,777	3618578	11
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	44	5	54	9	A	44	663	12	1	668	0	0	0	3,523	2353364	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	57	22	C	55	616	11	1	1243	0	0	0	870	1081555	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	39	4	58	24	C	93	2066	36	4	1333	0	0	0	3,265	4353551	15
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	33	7	51	36	E	126	1759	35	7	1909	0	0	0	2,419	4617065	16
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	60	25	C	143	861	14	1	1482	0	0	0	1,533	2271906	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	59	22	C	152	437	7	1	1562	0	0	0	739	1153949	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	75	6	60	27	D	227	4123	69	5	1659	0	0	0	6,567	10894653	34
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,188	3,168	100%	69	4	61	26	C	69	3748	61	4	1594	0	0	0	6,193	9871642	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,645	99%	17	1	61	22	C	86	780	13	1	1323	0	0	0	1,558	2060455	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,832	99%	12	1	59	21	C	99	580	10	1	1416	0	0	0	1,082	1532112	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,071	99%	25	3	57	25	C	123	1197	21	2	1535	0	0	0	2,060	3162787	10
Chester Ave Off Ramp to H St On Ramp	2,622	2,577	98%	40	2	61	21	C	163	1747	29	2	1288	0	0	0	3,579	4610647	14
H St On Ramp to SR99 NB Off Ramp	2,955	2,911	99%	28	4	56	24	C	192	1298	23	3	1456	0	0	0	2,350	3420425	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,867	100%	27	1	57	17	B	218	800	14	1	943	0	0	0	2,163	2039168	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: CFS+50%_PCFC-10%_normal (VEH normal distribution, CFS+50%, PCFC-10%)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	2	63	19	C	50	3137	50	2	1191	0	0	0	4,648	5534219	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,332	99%	32	13	38	30	D	83	1116	30	12	1111	1	28	2	1,768	1963659	10
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,390	89%	21	15	18	70	F	104	461	26	18	1463	2	12	15	555	812150	7
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	4,915	88%	220	149	21	73	F	324	6201	301	203	1404	2	155	146	6,695	9400736	93
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	4,465	84%	104	78	15	78	F	428	1890	129	97	1116	3	47	82	2,291	2557042	34
Ming Ave On Ramp to SR58 EB/White Rd Off Ramp	6,576	5,777	88%	22	11	29	44	E	450	1013	35	18	1444	1	25	10	926	1337376	8
SR58 EB/White Rd Off Ramp to White Rd On Ramp	4,808	4,107	85%	32	2	61	17	B	482	2248	37	2	1027	0	0	0	2,890	2967308	9
White Rd On Ramp to SR58 WB On Ramp	5,298	4,575	86%	10	1	60	18	B	492	731	12	1	1144	0	0	0	844	965325	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	5,676	89%	38	6	55	25	C	530	3282	59	9	1419	0	0	0	3,000	4257000	14
California Ave Off Ramp to California Ave Loop On Ramp	5,255	4,749	90%	25	9	41	29	D	554	1341	33	12	1187	0	0	0	1,481	1770190	8
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,145	90%	28	19	19	62	F	583	765	40	28	1286	2	19	21	785	1009706	9
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,326	90%	46	25	31	43	E	629	2117	69	37	1331	1	53	16	2,014	2681473	17
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	3,780	90%	17	2	58	16	B	646	1025	18	2	945	0	0	0	1,432	1353240	4
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	2,999	89%	33	1	62	12	B	679	1735	28	1	750	0	0	0	3,055	2290486	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,317	90%	35	3	59	14	B	714	1885	32	3	829	0	0	0	3,000	2487375	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	1,973	90%	40	1	63	9	A	754	1393	22	1	564	0	0	0	3,726	2100399	6
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	63	16	B	48	2535	40	1	849	0	0	0	4,498	3818159	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	35	6	55	19	C	84	2217	41	7	1030	0	0	0	2,800	2884700	10
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	109	1513	25	1	860	0	0	0	2,271	1997912	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	15	3	53	18	B	124	962	18	3	1058	0	0	0	1,200	1269900	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	48	19	41	31	D	173	2852	69	26	1283	0	0	0	2,800	3593567	16
California Ave Off Ramp to California Ave On Ramp	4,015	4,009	100%	14	1	61	16	B	186	933	15	1	1092	0	0	0	1,229	1231765	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,296	99%	31	5	54	20	C	217	1973	37	6	1074	0	0	0	2,433	2613042	9
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,685	2,825	98%	40	1	63	11	B	257	1987	31	1	706	0	0	0	3,714	2623013	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,713	97%	5	1	54	14	B	262	268	5	1	928	0	0	0	381	353663	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	3,934	96%	24	3	58	16	B	286	1492	26	3	904	0	0	0	2,004	1971101	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,167	97%	35	1	63	13	B	320	1912	30	1	792	0	0	0	3,189	2524492	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,399	97%	62	5	60	17	B	383	3501	59	5	971	0	0	0	5,403	5247471	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,071	96%	19	1	63	11	A	402	694	11	0	690	0	0	0	1,770	1221890	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,186	96%	10	0	62	11	A	411	370	6	0	729	0	0	0	894	651428	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,239	93%	52	2	63	12	B	463	2024	32	1	746	0	0	0	4,777	3565234	10
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	46	6	52	10	A	46	659	13	2	661	0	0	0	3,523	2328703	6
SR99 On Ramp to H St Off Ramp	3,553	3,521	99%	10	1	57	21	C	56	581	10	1	1174	0	0	0	870	1020945	3
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	40	6	56	23	C	96	1960	35	5	1265	0	0	0	3,265	4130225	14
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	37	11	45	38	E	133	1682	37	11	1817	0	0	0	2,419	4395726	18
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	18	2	59	24	C	151	829	14	1	1428	0	0	0	1,533	2188358	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	58	22	C	159	421	7	1	1505	0	0	0	739	1111826	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	75	6	59	26	D	235	3977	67	5	1601	0	0	0	6,567	10512125	33
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	69	5	61	26	D	69	3746	61	4	1584	0	0	0	6,193	9870868	31
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,650	100%	18	1	61	22	C	87	782	13	1	1325	0	0	0	1,558	2064350	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,831	99%	13	1	58	21	C	100	580	10	1	1416	0	0	0	1,082	1531571	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,075	99%	25	3	56	25	C	125	1200	21	3	1537	0	0	0	2,060	3166907	10
Chester Ave Off Ramp to H St On Ramp	2,622	2,622	100%	40	3	61	22	C	165	1779	29	2	1312	0	0	0	3,579	4696543	15
H St On Ramp to SR99 NB Off Ramp	2,955	2,955	100%	29	5	54	26	C	194	1315	24	4	1477	0	0	0	2,350	3471733	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,867	100%	27	1	56	17	B	221	792	14	1	935	0	0	0	2,163	2022946	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: CFS+50%_PCFC-30%_normal (VEH normal distribution, CFS+50%, PCFC-30%)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/in/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	2	63	19	C	50	3138	50	2	1191	0	0	0	4,648	5535768	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,340	100%	25	6	49	23	C	75	1118	23	6	1113	0	0	0	1,768	1968373	8
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,539	92%	19	12	20	63	F	94	477	23	15	1513	2	12	12	555	839715	7
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,083	91%	213	143	21	73	F	307	6429	301	201	1452	2	161	140	6,695	9722575	93
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	4,633	87%	103	77	15	80	F	410	1962	132	99	1158	3	49	83	2,291	2653264	35
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	5,944	90%	21	11	30	44	E	431	1042	35	18	1486	1	26	9	926	1376036	8
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,241	88%	33	2	60	18	B	464	2321	38	3	1060	0	0	0	2,890	3064123	10
Wible Rd On Ramp to SR58 WB On Ramp	5,298	4,713	89%	10	1	60	18	C	473	753	13	1	1178	0	0	0	844	994443	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	5,818	91%	39	7	54	26	D	512	3371	63	12	1455	0	0	0	3,000	4363500	15
California Ave Off Ramp to California Ave Loop On Ramp	5,255	4,811	92%	17	1	61	20	C	529	1359	22	1	1203	0	0	0	1,491	1793300	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,262	92%	12	4	43	28	D	541	782	18	6	1316	0	0	0	785	1032658	4
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,431	91%	40	19	35	38	E	581	2098	60	28	1358	1	52	8	2,014	2734341	14
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	3,899	93%	17	2	58	17	B	598	1058	18	2	975	0	0	0	1,432	1395842	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,183	94%	34	1	62	13	B	631	1841	30	1	796	0	0	0	3,055	2431016	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,502	95%	35	3	58	15	B	666	1989	34	3	875	0	0	0	3,000	2626125	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,137	98%	40	1	63	10	A	707	1508	24	1	610	0	0	0	3,726	2274457	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	16	B	48	2536	40	1	849	0	0	0	4,498	3818802	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	35	5	56	18	C	83	2199	40	6	1028	0	0	0	2,800	2878633	10
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	108	1517	25	1	882	0	0	0	2,271	2002454	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	2	57	17	B	122	962	17	2	1059	0	0	0	1,200	1270800	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	43	14	45	28	D	166	2763	62	20	1283	0	0	0	2,600	3591467	15
California Ave Off Ramp to California Ave On Ramp	4,015	4,015	100%	14	1	62	16	B	179	945	15	1	1015	0	0	0	1,229	1247435	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,352	100%	30	5	54	20	C	210	2002	37	6	1091	0	0	0	2,433	2653389	9
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,829	98%	40	1	63	11	B	250	1990	31	1	707	0	0	0	3,714	2626727	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,764	98%	5	1	52	15	B	255	271	5	1	941	0	0	0	381	358521	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	3,990	98%	24	3	57	16	B	279	1513	27	3	998	0	0	0	2,004	1999157	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,167	97%	35	1	63	13	B	313	1912	30	1	792	0	0	0	3,189	2524891	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,400	97%	63	6	59	17	B	376	3505	59	5	972	0	0	0	5,403	5249015	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,065	95%	19	1	63	11	A	395	669	11	0	685	0	0	0	1,770	1212450	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,173	95%	10	0	62	10	A	405	358	6	0	724	0	0	0	894	647554	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,239	93%	52	2	63	12	B	457	2023	32	1	746	0	0	0	4,777	3564438	10
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	47	7	52	10	A	47	674	13	2	674	0	0	0	3,523	2373328	7
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	57	21	C	57	587	10	1	1185	0	0	0	870	1031095	3
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	39	5	57	23	C	96	1972	35	4	1273	0	0	0	3,265	4156345	14
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	34	9	48	36	E	130	1684	35	9	1828	0	0	0	2,419	4421932	16
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	18	2	59	25	C	148	846	14	1	1457	0	0	0	1,533	2233581	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	58	22	C	157	429	7	1	1533	0	0	0	739	1132897	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	76	7	59	27	D	232	4077	69	6	1640	0	0	0	6,567	10769880	34
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	70	5	61	26	D	70	3748	62	4	1594	0	0	0	6,193	9870868	31
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,659	100%	18	1	60	22	C	87	796	13	1	1349	0	0	0	1,558	2100963	7
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,855	100%	13	1	58	22	C	100	589	10	1	1437	0	0	0	1,082	1554834	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,096	100%	25	4	55	26	D	125	1218	22	3	1560	0	0	0	2,060	3213943	10
Chester Ave Off Ramp to H St On Ramp	2,622	2,622	100%	40	3	61	22	C	165	1784	29	2	1316	0	0	0	3,579	4709954	15
H St On Ramp to SR99 NB Off Ramp	2,955	2,955	100%	30	5	54	26	D	195	1321	24	4	1453	0	0	0	2,350	3484658	12
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,861	100%	27	2	56	17	B	222	787	14	1	930	0	0	0	2,163	2012131	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: CFS+50%_PCFC-50%_normal (VEH normal distribution, CFS+50%, PCFC-50%)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	2	63	19	C	50	3137	50	2	1190	0	0	0	4,648	5532669	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,353	100%	23	5	51	22	C	74	1124	22	5	1118	0	0	0	1,768	1977213	7
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,570	93%	18	12	21	63	F	92	481	23	15	1523	2	12	11	555	845450	7
White Ln Direct On Ramp to Ming Ave Off Ramp	5,808	5,105	91%	212	141	21	73	F	304	6456	301	201	1458	2	161	139	6,695	9764179	93
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	4,645	87%	100	75	15	78	F	405	1967	129	97	1161	3	49	80	2,291	2660137	34
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	5,948	90%	22	11	29	45	F	426	1043	36	18	1487	1	26	10	926	1376662	8
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,224	88%	33	2	60	18	B	459	2312	38	3	1056	0	0	0	2,890	3051840	10
Wible Rd On Ramp to SR58 WB On Ramp	5,298	4,705	89%	10	1	60	18	C	469	752	13	1	1176	0	0	0	844	992755	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	5,810	91%	38	7	54	26	D	507	3355	62	11	1453	0	0	0	3,000	4357500	15
California Ave Off Ramp to California Ave Loop On Ramp	5,255	4,782	91%	18	2	57	21	C	525	1351	24	3	1196	0	0	0	1,491	1782491	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,203	91%	14	6	37	32	D	539	773	21	9	1301	1	19	2	785	1021099	5
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,405	91%	38	17	36	36	E	578	2065	57	26	1351	1	52	6	2,014	2721250	14
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	3,827	91%	17	2	58	16	B	594	1036	18	2	957	0	0	0	1,432	1370056	4
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,075	91%	34	1	62	12	B	628	1779	29	1	769	0	0	0	3,055	2348531	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,394	92%	35	4	58	14	B	663	1928	33	3	849	0	0	0	3,000	2545500	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,025	93%	40	1	63	9	A	703	1429	23	1	579	0	0	0	3,726	2155757	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	16	B	48	2537	40	1	849	0	0	0	4,498	3819445	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	35	5	56	18	C	83	2205	40	6	1032	0	0	0	2,800	2888200	10
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	108	1529	25	1	869	0	0	0	2,271	2018919	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	15	2	55	18	B	123	988	18	3	1065	0	0	0	1,200	1277700	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	44	14	44	29	D	167	2783	63	20	1288	0	0	0	2,800	3605467	15
California Ave Off Ramp to California Ave On Ramp	4,015	4,015	100%	14	1	61	17	B	181	946	15	1	1016	0	0	0	1,229	1248971	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,352	100%	30	5	54	20	C	211	2003	37	6	1090	0	0	0	2,433	2651767	9
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,865	2,843	99%	40	1	63	11	B	251	2000	32	1	711	0	0	0	3,714	2639726	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,718	97%	5	1	53	15	B	256	266	5	1	930	0	0	0	381	354140	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	3,946	97%	24	3	57	16	B	280	1496	26	3	987	0	0	0	2,004	1976946	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,170	97%	35	1	63	13	B	315	1914	31	1	792	0	0	0	3,189	2526884	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,410	97%	62	5	60	17	B	377	3510	59	5	974	0	0	0	5,403	5264066	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,095	97%	19	1	63	11	B	396	702	11	0	698	0	0	0	1,770	1236050	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,216	97%	10	0	62	11	A	406	375	6	0	739	0	0	0	894	660368	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,278	94%	52	2	63	12	B	458	2059	33	1	759	0	0	0	4,777	3628539	11
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	46	7	52	10	A	46	671	13	2	671	0	0	0	3,523	2362759	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	57	21	C	57	602	11	1	1214	0	0	0	870	1056470	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	39	5	57	24	C	96	2026	36	4	1307	0	0	0	3,265	4266702	15
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	34	8	49	36	E	130	1724	35	9	1877	0	0	0	2,419	4539254	17
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	60	25	C	147	854	14	1	1472	0	0	0	1,533	2255810	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	58	22	C	156	433	7	1	1549	0	0	0	739	1144711	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	76	7	59	27	D	232	4086	69	6	1643	0	0	0	6,567	10780581	34
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	69	5	61	26	D	69	3749	61	4	1595	0	0	0	6,193	9875513	31
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,659	100%	18	1	60	22	C	87	789	13	1	1337	0	0	0	1,556	2083046	7
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,850	100%	13	1	58	21	C	100	584	10	1	1425	0	0	0	1,082	1541650	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,096	100%	25	4	55	26	D	125	1209	22	3	1548	0	0	0	2,060	3189567	10
Chester Ave Off Ramp to H St On Ramp	2,622	2,622	100%	40	3	60	22	C	165	1779	30	2	1312	0	0	0	3,579	4696543	15
H St On Ramp to SR99 NB Off Ramp	2,955	2,955	100%	29	5	54	26	C	195	1319	24	4	1481	0	0	0	2,350	3481133	12
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,867	100%	27	1	57	17	B	222	795	14	1	938	0	0	0	2,163	2029435	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: CFS-10%_PCFC-10%_normal (VEH normal distribution, CFS-10%, PCFC-10%)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,565	100%	50	1	63	19	C	50	3137	50	1	1191	0	0	0	4,648	5534219	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,344	100%	20	1	61	18	C	70	1120	18	1	1115	0	0	0	1,768	1970731	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	9	3	42	33	D	79	522	12	4	1654	0	0	0	555	917970	4
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,608	100%	76	8	59	30	D	157	7120	122	12	1604	0	0	0	5,695	10740215	37
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,294	100%	35	11	50	28	D	192	2576	52	16	1324	0	0	0	2,291	3032139	12
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,576	100%	20	10	31	47	F	212	1156	37	18	1640	1	29	8	926	1526048	8
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,741	99%	32	2	61	19	C	244	2595	42	2	1195	0	0	0	2,690	3425373	11
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,206	98%	10	1	60	20	C	254	832	14	1	1302	0	0	0	844	1099466	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,237	98%	36	5	57	26	D	290	3600	63	8	1559	0	0	0	3,060	4677750	15
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,135	98%	16	1	62	21	C	306	1450	23	1	1284	0	0	0	1,491	1914071	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,582	98%	9	1	57	23	C	316	830	15	2	1396	0	0	0	785	1095468	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,747	97%	29	8	47	29	D	345	2188	46	13	1437	0	0	0	2,014	2893447	11
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,055	96%	16	1	60	17	B	361	1100	18	1	1014	0	0	0	1,432	1451690	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,261	96%	33	1	63	13	B	395	1887	30	1	815	0	0	0	3,055	2490589	8
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,579	97%	34	2	60	14	B	429	2034	34	2	895	0	0	0	3,000	2884250	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,125	97%	40	1	63	10	A	469	1500	24	1	607	0	0	0	3,726	2261682	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	16	B	48	2534	40	1	849	0	0	0	4,498	3816874	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	33	4	58	17	B	81	2197	38	4	1025	0	0	0	2,800	2870467	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	106	1535	25	1	893	0	0	0	2,271	2026868	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	59	17	B	120	971	17	2	1069	0	0	0	1,200	1282200	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	36	7	53	24	C	157	2744	52	10	1260	0	0	0	2,800	3607100	13
California Ave Off Ramp to California Ave On Ramp	4,015	4,015	100%	14	1	62	16	B	170	939	15	1	1009	0	0	0	1,229	1239754	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,342	100%	29	3	58	18	C	199	2002	34	4	1066	0	0	0	2,433	2641224	8
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,885	100%	40	1	63	11	B	239	2041	32	1	726	0	0	0	3,714	2694507	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,820	100%	5	1	53	15	B	244	276	5	1	955	0	0	0	381	363855	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	4,050	99%	23	2	58	16	B	267	1533	26	3	1012	0	0	0	2,004	2028883	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,243	99%	35	1	63	13	B	302	1958	31	1	811	0	0	0	3,189	2585482	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,484	99%	60	3	61	17	B	362	3576	58	3	995	0	0	0	5,403	5377915	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,116	98%	19	1	63	11	B	381	709	11	0	705	0	0	0	1,770	1248440	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,233	98%	10	0	62	11	A	391	378	6	0	744	0	0	0	894	665434	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,300	95%	52	2	63	12	B	443	2080	33	1	767	0	0	0	4,777	3662367	11
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	43	4	55	9	A	43	656	12	1	663	0	0	0	3,523	2334575	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	58	21	C	53	606	10	1	1226	0	0	0	870	1066185	3
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	37	3	60	23	C	91	2040	34	3	1318	0	0	0	3,265	4303923	14
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	29	4	56	32	D	120	1737	31	4	1887	0	0	0	2,418	4564653	15
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	61	24	C	137	860	14	1	1481	0	0	0	1,533	2270373	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	8	1	59	22	C	146	436	7	1	1569	0	0	0	739	1152840	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	74	5	60	27	D	220	4120	69	5	1658	0	0	0	6,567	10885623	34
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	68	3	62	26	C	68	3744	60	3	1593	0	0	0	6,193	9905449	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,659	100%	17	1	61	22	C	86	791	13	1	1340	0	0	0	1,558	2087720	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,855	100%	12	1	60	21	C	98	587	10	1	1433	0	0	0	1,082	1550506	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,096	100%	24	3	58	25	C	122	1211	21	2	1556	0	0	0	2,060	3204330	10
Chester Ave Off Ramp to H St On Ramp	2,622	2,594	99%	40	2	61	21	C	162	1758	29	2	1287	0	0	0	3,579	4641068	14
H St On Ramp to SR99 NB Off Ramp	2,955	2,929	99%	28	3	58	24	C	190	1306	23	2	1465	0	0	0	2,350	3441967	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,867	100%	27	1	57	17	B	216	807	14	1	952	0	0	0	2,163	2058635	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: CFS-10%_PCFC-30%_normal (VEH normal distribution, CFS-10%, PCFC-30%)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	1	63	19	C	50	3137	49	1	1191	0	0	0	4,648	5533444	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,337	100%	19	1	62	18	B	69	1117	18	1	1112	0	0	0	1,768	1966605	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	9	3	41	34	D	79	518	13	4	1643	0	0	0	555	911690	4
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,594	100%	77	7	59	29	D	156	7089	120	11	1598	0	0	0	6,695	10699566	37
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,308	100%	34	11	51	27	D	190	2572	51	16	1327	0	0	0	2,291	3040157	12
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,576	100%	20	10	31	46	F	210	1154	37	18	1645	1	29	8	926	1523039	8
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,688	98%	32	2	61	19	C	243	2566	42	3	1172	0	0	0	2,890	3387039	11
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,146	97%	10	1	60	20	C	252	823	14	1	1287	0	0	0	844	1085806	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,147	96%	36	4	58	26	C	288	3531	61	7	1537	0	0	0	3,000	4610000	15
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,080	97%	16	1	62	20	C	304	1435	23	1	1270	0	0	0	1,491	1893570	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,537	97%	9	1	57	22	C	314	823	15	2	1384	0	0	0	785	1086636	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,700	96%	28	7	49	28	D	342	2166	44	11	1425	0	0	0	2,014	2869782	11
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	3,987	95%	16	1	60	17	B	358	1081	18	1	997	0	0	0	1,432	1427346	4
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,218	95%	33	1	63	13	B	391	1862	30	1	805	0	0	0	3,055	2457748	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,534	96%	34	2	60	14	B	425	2008	33	2	883	0	0	0	3,000	2650125	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,118	97%	40	1	63	10	A	465	1494	24	1	605	0	0	0	3,726	2254230	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	16	B	48	2535	40	1	849	0	0	0	4,498	3816874	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	33	3	59	17	B	81	2185	37	4	1021	0	0	0	2,800	2857400	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	106	1497	24	1	870	0	0	0	2,271	1975770	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	59	16	B	120	952	16	2	1047	0	0	0	1,200	1256700	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,068	100%	36	6	54	23	C	155	2710	50	9	1267	0	0	0	2,800	3547367	12
California Ave Off Ramp to California Ave On Ramp	4,015	3,987	99%	14	1	62	16	B	169	928	15	1	997	0	0	0	1,229	1225006	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,300	99%	29	3	58	18	C	197	1982	34	4	1075	0	0	0	2,433	2615272	8
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,685	2,624	98%	40	1	63	11	B	238	1987	31	1	705	0	0	0	3,714	2622084	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,756	98%	5	1	52	15	B	242	271	5	1	939	0	0	0	381	357759	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	3,996	98%	23	2	58	16	B	266	1513	26	3	999	0	0	0	2,004	2001829	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,244	99%	35	1	63	13	B	300	1959	31	1	811	0	0	0	3,189	2585880	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,493	99%	60	3	61	17	B	361	3584	58	3	930	0	0	0	5,403	5392590	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,107	97%	19	1	63	11	B	380	706	11	0	702	0	0	0	1,770	1243130	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,227	98%	10	0	63	11	A	390	377	6	0	742	0	0	0	894	663646	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,289	95%	52	2	63	12	B	441	2070	33	1	763	0	0	0	4,777	3644851	11
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	43	4	55	9	A	43	670	12	1	677	0	0	0	3,523	2383897	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	58	22	C	54	623	11	1	1255	0	0	0	870	1092720	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	37	3	59	24	C	91	2081	35	3	1345	0	0	0	3,265	4390772	15
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	30	5	55	33	D	121	1781	32	5	1829	0	0	0	2,419	4667057	15
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	61	25	C	138	880	14	1	1516	0	0	0	1,533	2323262	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	59	22	C	147	446	8	1	1593	0	0	0	739	1177227	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	74	5	60	27	D	221	4190	69	5	1686	0	0	0	6,567	11071962	34
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	68	3	62	26	C	68	3744	60	3	1593	0	0	0	6,193	9865449	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,646	100%	17	1	62	21	C	85	781	13	1	1323	0	0	0	1,556	2061234	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,833	99%	12	1	60	21	C	97	580	10	1	1417	0	0	0	1,082	1532653	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,081	100%	24	2	59	24	C	121	1200	20	2	1549	0	0	0	2,060	3173087	9
Chester Ave Off Ramp to H St On Ramp	2,622	2,579	98%	40	2	62	21	C	161	1747	28	2	1289	0	0	0	3,579	4614226	14
H St On Ramp to SR99 NB Off Ramp	2,955	2,909	98%	28	3	58	24	C	189	1298	22	2	1455	0	0	0	2,350	3418467	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,867	100%	27	1	57	17	B	215	805	14	1	949	0	0	0	2,163	2052687	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: CFS-10%_PCFC-50%_normal (VEH normal distribution, CFS-10%, PCFC-50%)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	1	63	19	C	50	3135	50	1	1190	0	0	0	4,648	5531120	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,353	100%	20	1	62	18	C	70	1125	18	1	1120	0	0	0	1,768	1979571	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	9	3	43	33	D	78	522	12	4	1655	0	0	0	555	918710	3
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,608	100%	77	7	59	29	D	156	7111	120	11	1804	0	0	0	6,695	10736389	37
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,311	100%	31	7	54	25	C	186	2446	45	10	1330	0	0	0	2,291	3045895	11
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,576	100%	18	8	34	43	E	205	1158	34	15	1651	1	29	5	926	1528826	7
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,710	98%	32	2	61	19	C	237	2578	42	2	1178	0	0	0	2,890	3402975	10
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,187	98%	10	1	60	20	C	246	829	14	1	1297	0	0	0	844	1094457	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,270	98%	36	4	58	26	D	282	3607	62	7	1567	0	0	0	3,000	4702250	15
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,189	99%	16	1	62	21	C	298	1486	24	1	1297	0	0	0	1,491	1934200	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,644	99%	9	1	58	22	C	307	839	14	1	1411	0	0	0	785	1107635	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,830	98%	26	5	52	27	D	334	2208	43	8	1458	0	0	0	2,014	2935573	10
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,162	99%	16	1	61	17	B	350	1129	19	1	1041	0	0	0	1,432	1489996	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,334	98%	33	1	63	13	B	383	1929	31	1	834	0	0	0	3,055	2546343	8
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,650	99%	34	2	61	15	B	417	2074	34	2	912	0	0	0	3,000	2737125	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,180	100%	40	1	63	10	A	457	1539	24	1	623	0	0	0	3,726	2320766	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	15	B	48	2535	40	1	849	0	0	0	4,498	3816874	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	33	4	58	17	B	81	2208	38	4	1039	0	0	0	2,800	2882600	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	106	1523	24	1	686	0	0	0	2,271	2010971	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	60	16	B	120	966	16	1	1062	0	0	0	1,200	1274700	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	35	6	55	23	C	155	2745	50	8	1288	0	0	0	2,800	3605933	12
California Ave Off Ramp to California Ave On Ramp	4,015	4,015	100%	13	1	62	16	B	168	945	15	1	1015	0	0	0	1,229	1247128	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,352	100%	28	2	59	18	C	196	2013	34	3	1092	0	0	0	2,433	2655620	6
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,885	100%	40	1	63	12	B	236	2063	33	1	733	0	0	0	3,714	2723291	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,823	100%	5	1	51	16	B	242	276	5	1	957	0	0	0	381	364427	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	4,060	100%	23	2	58	16	B	265	1537	26	3	1015	0	0	0	2,004	2033893	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,262	100%	35	1	63	13	B	299	1970	31	1	815	0	0	0	3,189	2600231	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,503	100%	60	3	61	17	B	359	3593	58	3	1001	0	0	0	5,403	5407245	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,155	100%	19	1	63	11	B	379	722	11	0	718	0	0	0	1,770	1271450	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,265	100%	10	0	63	11	A	388	383	6	0	755	0	0	0	894	674970	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,335	97%	52	2	63	12	B	440	2112	33	1	778	0	0	0	4,777	3718098	11
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	43	4	55	9	A	43	667	12	1	674	0	0	0	3,523	2374502	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	58	22	C	53	619	11	1	1251	0	0	0	870	1088370	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	37	3	60	23	C	91	2081	35	3	1343	0	0	0	3,265	4386201	14
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	30	4	56	33	D	121	1775	32	4	1328	0	0	0	2,419	4662623	15
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	61	25	C	138	876	14	1	1509	0	0	0	1,533	2313297	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	59	22	C	146	443	8	1	1585	0	0	0	739	1171315	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	74	5	60	27	D	220	4161	69	5	1674	0	0	0	6,567	10993979	34
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	68	3	62	26	C	68	3744	60	3	1593	0	0	0	6,193	9883901	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,659	100%	17	1	62	22	C	85	789	13	1	1336	0	0	0	1,558	2081488	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,855	100%	12	1	60	21	C	98	585	10	1	1428	0	0	0	1,082	1544555	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,096	100%	24	3	57	25	C	122	1209	21	2	1552	0	0	0	2,060	3196090	10
Chester Ave Off Ramp to H St On Ramp	2,622	2,622	100%	40	2	61	22	C	162	1805	29	2	1331	0	0	0	3,579	4763649	15
H St On Ramp to SR99 NB Off Ramp	2,955	2,955	100%	28	3	58	24	C	189	1332	23	2	1494	0	0	0	2,350	3511683	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,867	100%	27	1	57	17	B	216	805	14	1	949	0	0	0	2,163	2052146	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: CFS-30%_PCFC-10%_normal (VEH normal distribution, CFS-30%, PCFC-10%)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	1	63	19	C	50	3130	50	1	1188	0	0	0	4,648	5521049	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,353	100%	20	1	62	18	C	70	1124	18	1	1118	0	0	0	1,768	1977213	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	9	3	42	33	D	79	520	12	4	1649	0	0	0	555	915010	4
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,608	100%	77	6	59	29	D	155	7108	120	10	1603	0	0	0	6,695	10731129	37
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,311	100%	31	7	54	25	C	186	2452	45	10	1333	0	0	0	2,291	3052758	11
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,576	100%	19	9	33	44	E	205	1164	35	16	1660	1	29	6	926	1536929	8
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,723	98%	32	2	61	19	C	237	2585	42	2	1181	0	0	0	2,890	3412366	11
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,176	98%	10	1	60	20	C	247	827	14	1	1294	0	0	0	844	1092136	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,305	99%	37	5	57	27	D	284	3649	64	9	1576	0	0	0	3,000	4729000	15
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,216	99%	16	1	62	21	C	300	1473	24	1	1304	0	0	0	1,491	1944264	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,672	99%	9	1	57	23	C	310	844	15	2	1418	0	0	0	785	1113130	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,830	98%	28	7	48	29	D	338	2207	46	11	1458	0	0	0	2,014	2935573	11
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,088	97%	16	1	60	17	B	354	1109	18	1	1022	0	0	0	1,432	1463504	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,397	3,221	95%	33	1	63	13	B	387	1864	30	1	805	0	0	0	3,055	2460038	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,545	96%	34	2	61	14	B	421	2014	33	2	886	0	0	0	3,000	2658375	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,065	94%	40	1	63	10	A	461	1457	23	1	590	0	0	0	3,726	2197608	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	15	B	48	2535	40	1	649	0	0	0	4,498	3817517	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	33	4	58	17	B	81	2217	38	4	1032	0	0	0	2,800	2890533	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	106	1525	24	1	887	0	0	0	2,271	2013242	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	60	16	B	120	972	16	1	1069	0	0	0	1,200	1283100	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	35	5	55	23	C	155	2763	50	8	1292	0	0	0	2,800	3618067	12
California Ave Off Ramp to California Ave On Ramp	4,015	4,015	100%	14	1	62	16	B	168	940	15	1	1010	0	0	0	1,229	1240983	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,338	100%	28	2	59	18	B	196	2003	34	3	1085	0	0	0	2,433	2638791	8
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,872	100%	40	1	63	11	B	236	2020	32	1	718	0	0	0	3,714	2666652	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,727	97%	5	1	54	15	B	241	269	5	1	932	0	0	0	381	354997	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	3,963	97%	23	2	59	16	B	264	1499	25	2	991	0	0	0	2,004	1985296	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,174	97%	35	1	63	13	B	299	1917	30	1	794	0	0	0	3,189	2530472	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,410	97%	60	3	52	16	B	359	3497	57	3	974	0	0	0	5,403	5263294	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,100	97%	19	1	63	11	B	378	704	11	0	700	0	0	0	1,770	1239000	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,236	98%	10	0	62	11	A	387	379	6	0	745	0	0	0	894	666328	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,299	95%	52	2	63	12	B	439	2079	33	1	766	0	0	0	4,777	3659978	11
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	43	3	55	9	A	43	679	12	1	687	0	0	0	3,523	2419127	6
SR99 On Ramp to H St Off Ramp	3,563	3,553	100%	10	1	58	22	C	53	627	11	1	1266	0	0	0	870	1100985	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	37	3	60	24	C	90	2106	35	3	1361	0	0	0	3,265	4442359	15
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	29	4	57	32	D	119	1784	31	4	1835	0	0	0	2,419	4681571	15
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	61	25	C	136	878	14	1	1512	0	0	0	1,533	2317896	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	59	22	C	145	446	8	1	1594	0	0	0	739	1177966	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	74	5	61	27	D	219	4219	70	4	1698	0	0	0	6,567	11148303	34
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	68	3	62	25	C	68	3736	60	3	1590	0	0	0	6,183	9846870	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,659	100%	17	1	62	22	C	85	790	13	1	1338	0	0	0	1,558	2083825	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,854	100%	12	1	60	21	C	97	585	10	1	1427	0	0	0	1,082	1544014	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,090	100%	24	2	59	24	C	121	1202	20	2	1545	0	0	0	2,060	3182357	10
Chester Ave Off Ramp to H St On Ramp	2,622	2,614	100%	40	2	61	21	C	161	1772	29	2	1307	0	0	0	3,579	4677753	14
H St On Ramp to SR99 NB Off Ramp	2,955	2,953	100%	28	3	58	24	C	188	1317	23	2	1476	0	0	0	2,350	3469383	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,811	97%	27	1	57	16	B	215	768	13	1	906	0	0	0	2,163	1956597	6

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: CFS-30%_PCFC-30%_normal (VEH normal distribution, CFS-30%, PCFC-30%)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	1	63	19	C	50	3138	50	1	1191	0	0	0	4,648	5533444	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,347	100%	20	1	62	18	C	69	1121	18	1	1116	0	0	0	1,768	1972499	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	9	3	40	35	D	79	520	13	5	1649	1	13	0	555	915010	4
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,608	100%	77	7	59	29	D	156	7122	120	11	1606	0	0	0	6,695	10750257	37
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,311	100%	28	4	58	23	C	184	2372	41	6	1332	0	0	0	2,291	3051326	10
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,576	100%	18	8	35	41	E	202	1162	33	14	1656	1	29	4	926	1533688	7
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,748	99%	32	2	61	19	C	234	2599	42	2	1167	0	0	0	2,890	3430430	11
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,220	99%	10	1	60	20	C	243	834	14	1	1305	0	0	0	844	1101420	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,286	98%	36	4	58	26	D	279	3620	62	7	1571	0	0	0	3,000	4714250	15
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,176	98%	16	1	62	21	C	295	1461	24	1	1294	0	0	0	1,491	1929354	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,635	99%	9	1	57	23	C	305	838	15	2	1409	0	0	0	785	1105869	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,807	98%	26	5	52	27	D	331	2196	42	8	1452	0	0	0	2,014	2923657	10
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,118	98%	16	1	61	17	B	347	1117	18	1	1030	0	0	0	1,432	1474244	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,300	97%	33	1	63	13	B	380	1909	30	1	825	0	0	0	3,055	2520375	8
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,620	98%	34	2	61	14	B	413	2057	34	2	905	0	0	0	3,000	2715000	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,120	97%	40	1	63	10	A	454	1495	24	1	696	0	0	0	3,726	2256359	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	15	B	48	2534	40	1	848	0	0	0	4,498	3815589	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	33	4	59	17	B	81	2210	38	4	1029	0	0	0	2,800	2881900	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	63	14	B	106	1504	24	1	874	0	0	0	2,271	1984854	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	59	16	B	120	958	16	2	1054	0	0	0	1,200	1264500	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	34	4	57	22	C	153	2717	48	6	1279	0	0	0	2,800	3582367	12
California Ave Off Ramp to California Ave On Ramp	4,015	4,015	100%	13	1	62	16	B	167	945	15	1	1016	0	0	0	1,229	1248050	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,352	100%	28	2	59	18	B	195	2016	34	3	1092	0	0	0	2,433	2656431	8
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,885	100%	40	1	63	12	B	235	2052	32	1	729	0	0	0	3,714	2708435	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,823	100%	5	1	52	15	B	240	277	5	1	960	0	0	0	381	365855	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	4,069	100%	23	2	59	16	B	263	1538	26	2	1017	0	0	0	2,004	2038402	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,267	100%	35	1	63	13	B	297	1979	31	1	819	0	0	0	3,189	2612588	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,512	100%	60	3	62	17	B	357	3606	59	3	1004	0	0	0	5,403	5426156	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,135	99%	19	1	63	11	B	376	716	11	0	712	0	0	0	1,770	1259650	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,250	99%	10	0	63	11	A	386	381	6	0	750	0	0	0	894	670500	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,309	96%	52	2	63	12	B	438	2088	33	1	770	0	0	0	4,777	3676698	11
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	43	3	56	9	A	43	664	12	1	672	0	0	0	3,523	2367456	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	58	21	C	53	612	10	1	1235	0	0	0	870	1074740	3
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	37	3	60	23	C	90	2032	34	2	1313	0	0	0	3,265	4286945	14
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	29	4	57	31	D	119	1736	30	4	1883	0	0	0	2,419	4555380	14
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	62	24	C	136	858	14	1	1470	0	0	0	1,533	2265008	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	8	1	60	22	C	144	436	7	1	1557	0	0	0	739	1150254	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	74	5	61	27	D	218	4109	68	4	1653	0	0	0	6,567	10857714	33
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	68	3	62	26	C	68	3744	60	3	1593	0	0	0	6,193	9864675	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,654	100%	17	1	62	22	C	85	783	13	1	1327	0	0	0	1,558	2067466	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,840	99%	12	1	60	21	C	97	582	10	1	1420	0	0	0	1,082	1536440	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,083	100%	24	2	59	24	C	121	1199	20	2	1541	0	0	0	2,060	3175147	9
Chester Ave Off Ramp to H St On Ramp	2,622	2,622	100%	40	2	61	21	C	161	1777	29	2	1311	0	0	0	3,579	4691174	14
H St On Ramp to SR99 NB Off Ramp	2,955	2,948	100%	27	3	58	24	C	188	1314	23	2	1474	0	0	0	2,350	3463508	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,867	100%	27	1	57	17	B	215	800	14	1	941	0	0	0	2,163	2035383	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: CFS-30%_PCFC-50%_normal (VEH normal distribution, CFS-30%, PCFC-50%)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	1	63	19	C	50	3136	50	1	1190	0	0	0	4,648	5531895	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,353	100%	19	1	62	18	C	69	1128	18	1	1123	0	0	0	1,768	1985464	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	9	3	42	33	D	78	522	12	4	1655	0	0	0	555	918340	3
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,608	100%	77	6	60	29	D	155	7140	120	10	1610	0	0	0	6,695	10780385	37
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,311	100%	28	4	57	23	C	183	2381	42	6	1330	0	0	0	2,291	3046744	10
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,576	100%	18	8	34	42	E	201	1160	34	14	1654	1	29	5	926	1531373	7
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,809	4,685	97%	32	2	62	19	C	233	2564	41	2	1171	0	0	0	2,890	3384913	10
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,170	98%	10	1	60	20	C	243	826	14	1	1293	0	0	0	844	1090870	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,239	98%	35	4	58	26	D	278	3582	61	7	1560	0	0	0	3,000	4679500	15
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,135	98%	16	1	62	21	C	295	1450	23	1	1284	0	0	0	1,491	1914071	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,586	98%	9	1	59	22	C	304	830	14	1	1397	0	0	0	785	1096253	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,735	97%	24	3	56	24	C	328	2171	39	5	1434	0	0	0	2,014	2887573	9
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,060	96%	16	1	62	16	B	344	1101	18	1	1015	0	0	0	1,432	1453480	4
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,274	97%	33	1	63	13	B	377	1894	30	1	819	0	0	0	3,055	2500518	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,586	97%	34	2	61	14	B	410	2038	33	2	897	0	0	0	3,000	2691000	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,155	99%	40	1	63	10	A	450	1520	24	1	616	0	0	0	3,726	2293619	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	16	B	48	2534	40	1	849	0	0	0	4,498	3816874	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	33	3	59	17	B	81	2195	37	4	1025	0	0	0	2,800	2869533	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	106	1525	24	1	887	0	0	0	2,271	2013609	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	60	16	B	119	969	16	1	1065	0	0	0	1,200	1278300	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	33	4	57	22	C	153	2744	48	6	1290	0	0	0	2,800	3611767	12
California Ave Off Ramp to California Ave On Ramp	4,015	4,015	100%	13	1	62	16	B	166	942	15	1	1012	0	0	0	1,229	1243441	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,352	100%	28	2	59	18	B	194	2012	34	3	1030	0	0	0	2,433	2650754	8
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,851	99%	40	1	63	11	B	234	2005	32	1	713	0	0	0	3,714	2647154	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,739	98%	5	1	51	15	B	239	270	5	1	935	0	0	0	381	356140	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	3,975	97%	24	3	57	16	B	263	1503	26	3	994	0	0	0	2,004	1991475	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,157	97%	35	1	63	13	B	298	1906	30	1	789	0	0	0	3,189	2516520	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,404	97%	60	3	62	16	B	358	3492	57	3	973	0	0	0	5,403	5254803	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,074	96%	19	1	63	11	A	377	695	11	0	691	0	0	0	1,770	1223660	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,195	96%	10	0	63	11	A	387	372	6	0	732	0	0	0	894	654110	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,253	93%	52	1	63	12	B	438	2037	32	1	751	0	0	0	4,777	3587527	10
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	42	3	56	9	A	42	669	12	1	677	0	0	0	3,523	2386245	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	58	22	C	53	636	11	1	1282	0	0	0	870	1115340	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	37	3	60	24	C	90	2136	36	3	1379	0	0	0	3,265	4502435	15
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	29	4	57	33	D	119	1809	32	4	1963	0	0	0	2,419	4747288	15
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	61	25	C	136	887	14	1	1528	0	0	0	1,533	2342424	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	59	23	C	145	449	8	1	1606	0	0	0	739	1186465	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	74	5	60	27	D	219	4218	70	5	1697	0	0	0	6,567	11145841	34
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,188	3,168	100%	68	3	62	26	C	68	3742	60	3	1592	0	0	0	6,193	9861578	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,859	2,859	100%	17	1	62	22	C	85	788	13	1	1336	0	0	0	1,558	2081498	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,855	100%	12	1	60	21	C	97	586	10	1	1430	0	0	0	1,082	1546719	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,096	100%	24	2	59	24	C	121	1208	21	2	1553	0	0	0	2,060	3199180	10
Chester Ave Off Ramp to H St On Ramp	2,622	2,620	100%	40	2	62	21	C	161	1776	29	1	1310	0	0	0	3,579	4688490	14
H St On Ramp to SR99 NB Off Ramp	2,955	2,955	100%	27	3	59	24	C	188	1318	22	2	1478	0	0	0	2,350	3472125	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,867	100%	27	1	57	17	B	215	803	14	1	946	0	0	0	2,163	2045657	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: CFS-50%_PCFC-10%_normal (VEH normal distribution, CFS-50%, PCFC-10%)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	1	64	19	C	50	3132	49	1	1198	0	0	0	4,648	5523373	16
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,318	99%	19	1	62	18	B	69	1111	18	1	1106	0	0	0	1,768	1955408	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,904	100%	9	3	42	33	D	78	515	12	4	1635	0	0	0	555	907240	3
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,578	99%	76	6	60	29	D	155	7067	118	9	1594	0	0	0	6,635	10668961	36
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,311	100%	28	4	58	23	C	182	2383	41	5	1328	0	0	0	2,291	3043307	10
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,576	100%	17	7	36	40	E	200	1165	32	13	1561	1	29	3	926	1538318	7
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,769	99%	32	2	62	19	C	232	2610	42	2	1192	0	0	0	2,890	3445603	11
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,212	98%	10	1	60	20	C	241	633	14	1	1303	0	0	0	844	1099732	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,324	99%	35	4	59	26	D	277	3635	62	7	1581	0	0	0	3,000	4742750	15
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,246	100%	16	1	62	21	C	293	1482	24	1	1312	0	0	0	1,491	1955447	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,697	100%	9	1	58	22	C	302	847	15	2	1424	0	0	0	785	1118036	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,850	99%	25	4	54	26	D	328	2219	41	7	1463	0	0	0	2,014	2945475	10
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,103	97%	16	1	61	17	B	344	1113	18	1	1026	0	0	0	1,432	1468874	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,303	98%	33	1	63	13	B	377	1911	30	1	826	0	0	0	3,055	2522666	8
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,622	98%	33	2	61	14	B	410	2057	34	2	905	0	0	0	3,000	2716125	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,124	97%	40	1	63	10	A	450	1499	24	1	607	0	0	0	3,726	2261150	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	15	B	48	2535	40	1	849	0	0	0	4,498	3817517	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	32	3	60	17	B	80	2203	37	3	1028	0	0	0	2,800	2878633	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	63	14	B	105	1508	24	1	877	0	0	0	2,271	1991099	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	60	16	B	118	953	16	1	1059	0	0	0	1,200	1271100	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	34	5	57	22	C	153	2752	49	7	1285	0	0	0	2,800	3597067	12
California Ave Off Ramp to California Ave On Ramp	4,015	4,015	100%	14	1	62	16	B	166	947	15	1	1018	0	0	0	1,229	1250508	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,352	100%	28	2	60	18	B	194	2022	34	3	1094	0	0	0	2,433	2662716	8
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,885	100%	40	1	63	12	B	234	2062	33	1	733	0	0	0	3,714	2722362	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,818	100%	5	1	53	15	B	239	276	5	1	955	0	0	0	381	363760	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	4,058	100%	23	2	59	16	B	262	1533	26	2	1014	0	0	0	2,004	2032891	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,238	99%	34	1	63	13	B	296	1955	31	1	809	0	0	0	3,189	2581097	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,471	99%	60	3	62	16	B	356	3559	58	3	992	0	0	0	5,403	5358618	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,140	99%	19	1	63	11	B	375	717	11	0	713	0	0	0	1,770	1262690	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,276	100%	10	0	63	11	A	385	385	6	0	759	0	0	0	894	678246	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,335	97%	52	2	63	12	B	436	2112	33	1	778	0	0	0	4,777	3718088	11
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	42	3	56	9	A	42	671	12	1	679	0	0	0	3,523	2392117	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	59	21	C	52	611	10	1	1234	0	0	0	870	1073725	3
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	37	2	61	23	C	89	2042	34	2	1320	0	0	0	3,265	4310453	14
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	29	3	58	31	D	118	1747	30	3	1893	0	0	0	2,419	4579167	14
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	61	24	C	135	864	14	1	1488	0	0	0	1,533	2280338	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	8	1	60	22	C	143	440	7	1	1571	0	0	0	739	1160600	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	74	5	61	27	D	217	4135	68	4	1664	0	0	0	6,567	10925025	33
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	68	3	63	25	C	68	3735	60	3	1589	0	0	0	6,193	9942999	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,659	100%	17	1	62	22	C	85	789	13	1	1337	0	0	0	1,558	2092267	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,855	100%	12	1	61	21	C	97	585	10	1	1428	0	0	0	1,082	1544555	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,094	100%	24	2	59	24	C	121	1204	20	2	1547	0	0	0	2,050	3166820	9
Chester Ave Off Ramp to H St On Ramp	2,622	2,609	100%	40	2	62	21	C	160	1768	29	1	1305	0	0	0	3,579	4668806	14
H St On Ramp to SR99 NB Off Ramp	2,955	2,951	100%	27	3	59	24	C	187	1316	22	2	1476	0	0	0	2,350	3457425	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,848	99%	27	1	57	16	B	214	785	14	1	924	0	0	0	2,163	1998612	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: CFS-50%_PCFC-30%_normal (VEH normal distribution, CFS-50%, PCFC-30%)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	1	64	19	C	50	3137	49	1	1180	0	0	0	4,646	5532669	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,353	100%	19	1	62	18	C	69	1128	18	1	1122	0	0	0	1,768	1984285	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	9	3	43	32	D	78	524	12	4	1661	0	0	0	555	921670	3
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,608	100%	76	6	60	29	D	154	7139	120	10	1610	0	0	0	6,695	10775603	37
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,311	100%	27	3	59	23	C	181	2361	40	5	1336	0	0	0	2,291	3061635	10
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,576	100%	16	6	39	38	E	198	1166	30	11	1663	1	29	1	926	1539938	7
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,751	99%	32	2	62	19	C	230	2601	42	2	1188	0	0	0	2,890	3432598	11
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,225	99%	10	1	59	20	C	239	835	14	1	1306	0	0	0	844	1102475	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,274	98%	35	4	59	26	D	275	3605	62	7	1568	0	0	0	3,000	4705250	15
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,193	99%	16	1	62	21	C	291	1467	24	1	1298	0	0	0	1,491	1935691	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,650	99%	9	1	59	22	C	300	840	14	1	1413	0	0	0	785	1109813	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,808	98%	24	3	56	25	C	324	2198	39	5	1452	0	0	0	2,014	2924328	9
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,085	97%	16	1	61	17	B	340	1108	18	1	1021	0	0	0	1,432	1462430	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,270	97%	33	1	63	13	B	373	1892	30	1	818	0	0	0	3,055	2497463	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,583	97%	33	2	61	14	B	407	2036	33	2	896	0	0	0	3,000	2687250	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,125	97%	40	1	63	10	A	447	1498	24	1	607	0	0	0	3,726	2261682	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	15	B	48	2534	40	1	848	0	0	0	4,498	3816232	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	33	3	59	17	B	81	2214	37	4	1032	0	0	0	2,800	2888667	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	63	14	B	105	1529	24	1	889	0	0	0	2,271	2018351	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	60	16	B	119	969	16	1	1066	0	0	0	1,200	1278900	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	33	4	58	21	C	152	2739	47	5	1284	0	0	0	2,600	3595200	11
California Ave Off Ramp to California Ave On Ramp	4,015	4,015	100%	13	1	62	16	B	165	940	15	1	1010	0	0	0	1,229	1241597	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,336	100%	28	3	59	18	C	194	2002	34	3	1084	0	0	0	2,433	2637575	8
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,832	98%	40	1	63	11	B	234	1992	31	1	768	0	0	0	3,714	2629512	8
SR58 WB On Ramp to Real Rd On Ramp	3,623	3,791	99%	5	1	53	15	B	239	273	5	1	948	0	0	0	381	361093	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	4,022	99%	23	2	60	16	B	261	1520	26	2	1005	0	0	0	2,004	2014855	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,182	97%	34	1	63	13	B	296	1921	30	1	795	0	0	0	3,189	2536451	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,423	97%	59	3	62	16	B	355	3509	57	2	978	0	0	0	5,403	5284520	17
White Ln Off Ramp to White Ln Loop On Ramp	2,195	2,086	95%	19	0	63	11	A	374	699	11	0	695	0	0	0	1,770	1230740	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,201	97%	10	0	63	11	A	384	373	6	0	734	0	0	0	894	655898	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,257	93%	51	1	63	12	B	436	2041	32	1	752	0	0	0	4,777	3593896	10
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	42	3	56	9	A	42	677	12	1	685	0	0	0	3,523	2414429	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	58	22	C	53	629	11	1	1270	0	0	0	870	1104755	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	37	3	60	24	C	90	2116	35	3	1358	0	0	0	3,265	4465214	15
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	29	3	57	32	D	119	1794	31	4	1846	0	0	0	2,419	4707374	15
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	61	25	C	136	888	14	1	1529	0	0	0	1,533	2343957	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	8	1	60	22	C	144	449	7	1	1604	0	0	0	739	1184987	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	74	5	61	27	D	218	4220	69	4	1698	0	0	0	6,567	11147483	34
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	68	3	63	25	C	68	3741	60	2	1582	0	0	0	6,193	9860030	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,659	100%	17	1	62	22	C	85	794	13	1	1347	0	0	0	1,558	2097847	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,855	100%	12	1	60	21	C	97	569	10	1	1439	0	0	0	1,062	1556457	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,096	100%	24	2	59	25	C	121	1213	21	2	1560	0	0	0	2,060	3214287	10
Chester Ave Off Ramp to H St On Ramp	2,622	2,622	100%	39	2	62	21	C	160	1790	29	1	1320	0	0	0	3,579	4725175	14
H St On Ramp to SR99 NB Off Ramp	2,955	2,955	100%	27	2	59	24	C	187	1323	22	2	1484	0	0	0	2,350	3487792	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,867	100%	27	1	58	17	B	214	815	14	1	980	0	0	0	2,163	2075399	7

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: CFS-50%_PCFC-50%_normal (VEH normal distribution, CFS-50%, PCFC-50%)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	1	63	19	C	50	3138	49	1	1191	0	0	0	4,648	5533444	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,353	100%	19	1	62	18	C	89	1127	18	1	1122	0	0	0	1,768	1983107	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	9	3	43	33	D	78	523	12	4	1656	0	0	0	555	919265	3
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,608	100%	76	6	60	29	D	154	7133	119	9	1609	0	0	0	6,695	10771777	37
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,311	100%	27	3	59	23	C	181	2358	40	5	1334	0	0	0	2,291	3055049	10
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,576	100%	17	6	38	39	E	198	1165	31	12	1661	1	29	2	926	1538086	7
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,783	99%	32	2	62	19	C	230	2618	42	2	1196	0	0	0	2,890	3455718	11
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,242	99%	10	1	60	20	C	240	838	14	1	1311	0	0	0	844	1106062	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,315	99%	35	3	59	26	D	275	3618	61	6	1579	0	0	0	3,000	4736250	15
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,200	99%	16	1	62	21	C	291	1468	24	1	1300	0	0	0	1,491	1938300	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,657	99%	9	1	58	22	C	300	841	15	2	1414	0	0	0	785	1110186	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,812	98%	25	3	55	25	C	325	2205	40	6	1453	0	0	0	2,014	2926174	10
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,154	99%	16	1	61	17	B	341	1127	18	1	1039	0	0	0	1,432	1487132	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,335	98%	33	1	63	13	B	374	1930	31	1	834	0	0	0	3,055	2547106	8
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,661	99%	33	2	61	15	B	407	2080	34	2	915	0	0	0	3,000	2745375	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,185	100%	40	1	63	10	A	448	1556	25	1	630	0	0	0	3,726	2346315	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	15	B	48	2533	40	1	848	0	0	0	4,498	3814947	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	33	3	59	17	B	80	2204	37	4	1028	0	0	0	2,800	2878867	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	63	14	B	105	1528	24	1	887	0	0	0	2,271	2013809	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	60	16	B	119	968	16	1	1065	0	0	0	1,200	1278300	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	33	4	58	22	C	152	2764	48	5	1291	0	0	0	2,800	3615500	11
California Ave Off Ramp to California Ave On Ramp	4,015	4,015	100%	13	1	62	16	B	165	950	15	1	1021	0	0	0	1,229	1254195	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,352	100%	28	2	59	18	C	193	2027	34	3	1097	0	0	0	2,433	2669609	8
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,872	100%	40	1	63	11	B	233	2020	32	1	718	0	0	0	3,714	2666652	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,799	99%	5	1	53	15	B	238	274	5	1	950	0	0	0	381	361855	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	4,024	99%	23	2	59	16	B	261	1522	26	2	1006	0	0	0	2,004	2016191	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,210	98%	34	1	63	13	B	296	1939	31	1	803	0	0	0	3,189	2559173	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,451	98%	60	3	62	16	B	355	3538	57	3	986	0	0	0	5,403	5327744	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,091	97%	19	1	63	11	B	374	701	11	0	697	0	0	0	1,770	1233690	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,210	97%	10	0	63	11	A	384	374	6	0	737	0	0	0	894	658580	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,279	94%	52	1	63	12	B	436	2061	33	1	760	0	0	0	4,777	3628928	11
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	43	3	56	9	A	43	661	12	1	668	0	0	0	3,523	2354538	6
SR99 On Ramp to H St Off Ramp	3,553	3,563	100%	10	1	58	21	C	53	614	11	1	1240	0	0	0	870	1078656	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	37	3	61	23	C	90	2032	34	2	1313	0	0	0	3,265	4286945	14
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	29	3	58	31	D	118	1737	30	3	1865	0	0	0	2,419	4560621	14
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	61	24	C	135	862	14	1	1484	0	0	0	1,533	2274206	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	8	1	60	22	C	144	436	7	1	1557	0	0	0	739	1150623	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	74	5	61	27	D	217	4113	68	4	1655	0	0	0	6,567	10865102	33
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	68	3	63	25	C	68	3742	60	2	1593	0	0	0	6,193	9863127	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,644	99%	17	1	62	21	C	85	780	13	1	1322	0	0	0	1,558	2059876	6
Brundage Ln On Ramp to Union Ave On Ramp	2,856	2,827	99%	12	1	60	21	C	97	579	10	1	1414	0	0	0	1,082	1529407	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,077	99%	24	2	60	24	C	121	1197	20	2	1538	0	0	0	2,080	3168967	9
Chester Ave Off Ramp to H St On Ramp	2,622	2,607	99%	40	2	62	21	C	160	1767	29	1	1303	0	0	0	3,579	4664332	14
H St On Ramp to SR99 NB Off Ramp	2,955	2,930	99%	27	2	59	24	C	187	1307	22	2	1465	0	0	0	2,350	3442358	10
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,865	100%	27	1	57	16	B	214	792	14	1	932	0	0	0	2,163	2016457	7

VARIATION OF GLOBAL PARAMETERS
PM PEAK

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: Default (VEH constant, CFS and PCFC at default)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	50	1	64	13	B	50	2158	34	1	819	0	0	0	4,646	3804398	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,110	100%	19	1	63	11	B	69	710	11	0	707	0	0	0	1,768	1249976	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,246	99%	7	1	52	18	B	76	341	7	1	1082	0	0	0	555	600510	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,722	100%	75	5	61	19	C	151	4748	78	5	1072	0	0	0	6,695	7175127	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,319	100%	25	1	62	13	B	176	1458	23	1	838	0	0	0	2,291	1920431	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,534	100%	14	4	47	22	C	190	802	17	5	1133	0	0	0	926	1057955	4
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,097	100%	31	1	63	13	B	221	1738	28	1	794	0	0	0	2,890	2293938	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	15	B	231	604	10	1	945	0	0	0	844	797158	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	36	4	58	21	C	267	2837	49	6	1219	0	0	0	3,000	3656250	12
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,064	100%	16	1	62	17	B	283	1187	19	1	1051	0	0	0	1,491	1566668	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,693	100%	10	1	55	20	C	293	710	13	2	1195	0	0	0	785	937879	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,984	100%	27	6	51	24	C	320	1894	37	8	1246	0	0	0	2,014	2509444	9
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,206	99%	16	1	62	13	B	336	870	14	1	802	0	0	0	1,432	1147748	4
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,865	98%	33	1	63	11	B	369	1658	26	1	716	0	0	0	3,055	2188144	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,326	98%	34	2	60	14	B	403	1890	32	2	832	0	0	0	3,000	2494500	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,127	97%	40	1	63	10	A	443	1501	24	1	608	0	0	0	3,726	2263811	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	49	2	63	17	B	49	2707	43	1	905	0	0	0	4,498	4072618	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	36	6	55	22	C	85	2672	49	9	1225	0	0	0	2,800	3430467	12
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	62	18	B	110	1804	30	1	1084	0	0	0	2,271	2480629	8
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,509	100%	17	4	48	26	D	127	1262	26	7	1387	0	0	0	1,200	1664700	6
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,687	100%	44	14	45	37	E	171	3719	82	26	1672	0	0	0	2,800	4681133	19
California Ave Off Ramp to California Ave On Ramp	5,673	5,673	100%	16	3	52	27	D	187	1321	25	5	1419	0	0	0	1,229	1743337	6
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,446	99%	41	14	44	37	E	227	3185	73	26	1612	0	0	0	2,433	3920780	17
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,565	99%	41	2	62	18	C	268	3211	52	2	1141	0	0	0	3,714	4239603	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,616	98%	5	1	50	23	C	273	405	8	2	1404	0	0	0	381	534924	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,898	98%	26	5	53	26	C	299	2242	42	8	1475	0	0	0	2,004	2955065	10
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,369	98%	35	1	62	18	B	334	2639	42	2	1092	0	0	0	3,189	3482787	11
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,839	98%	65	8	57	25	C	399	5014	87	11	1383	0	0	0	5,403	7469648	25
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,884	99%	19	1	63	15	B	418	967	15	1	951	0	0	0	1,770	1701560	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	3,021	99%	10	0	62	15	B	428	511	8	0	1097	0	0	0	894	900258	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	3,091	97%	52	2	62	16	B	480	2795	45	2	1030	0	0	0	4,777	4921106	14
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	44	4	55	8	A	44	568	10	1	573	0	0	0	3,523	2017505	5
SR99 On Ramp to H St Off Ramp	3,419	3,419	100%	10	1	58	20	C	54	565	10	1	1141	0	0	0	870	992235	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	37	3	60	21	C	91	1901	32	3	1227	0	0	0	3,265	4007461	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,562	100%	30	5	55	31	D	121	1673	30	5	1811	0	0	0	2,419	4380406	14
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	61	25	C	138	902	15	1	1554	0	0	0	1,533	2381516	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,226	100%	9	1	58	24	C	147	462	8	1	1649	0	0	0	739	1218611	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,469	100%	75	6	60	29	D	222	4380	73	6	1762	0	0	0	6,567	11571054	36
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	68	3	62	25	C	88	3602	58	3	1533	0	0	0	6,193	9495417	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	61	23	C	85	816	13	1	1383	0	0	0	1,558	2153935	7
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,952	100%	13	1	59	22	C	98	610	10	1	1489	0	0	0	1,082	1610557	5
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,296	100%	25	3	57	27	D	122	1292	23	3	1659	0	0	0	2,060	3417197	11
Chester Ave Off Ramp to H St On Ramp	2,832	2,832	100%	40	2	61	24	C	162	1951	32	2	1439	0	0	0	3,579	5150181	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,291	100%	29	4	56	28	D	191	1465	27	4	1664	0	0	0	2,350	3910008	13
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,207	100%	27	1	57	20	C	218	944	17	1	1112	0	0	0	2,163	2404175	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: Normal (VEH normal distribution, CFS and PCFC at default)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	50	1	64	13	B	50	2157	34	1	616	0	0	0	4,648	3802064	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,110	100%	19	1	63	11	B	69	708	11	0	705	0	0	0	1,768	1245851	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,238	99%	7	1	52	18	B	76	340	7	1	1079	0	0	0	555	599030	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,722	100%	75	4	61	19	C	151	4727	78	5	1067	0	0	0	6,695	7141174	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,301	99%	25	1	62	13	B	176	1435	23	1	825	0	0	0	2,291	1890648	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,524	100%	14	4	46	22	C	190	794	17	5	1131	0	0	0	926	1047306	4
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,084	100%	32	1	62	12	B	221	1688	27	1	771	0	0	0	2,890	2226190	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	14	B	231	588	10	1	920	0	0	0	844	776480	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	37	5	57	21	C	268	2795	49	7	1192	0	0	0	3,000	3575750	12
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,064	100%	16	1	62	16	B	284	1151	18	1	1019	0	0	0	1,491	1519329	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,646	99%	9	1	57	19	C	294	691	12	1	1162	0	0	0	765	911778	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,865	97%	26	5	52	22	C	320	1848	36	7	1216	0	0	0	2,014	2449360	9
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,164	98%	16	1	62	13	B	336	858	14	0	791	0	0	0	1,432	1132712	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,879	98%	33	1	63	11	B	369	1666	26	1	720	0	0	0	3,055	2198836	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,372	99%	34	3	60	14	B	403	1916	32	2	843	0	0	0	3,000	2528625	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,142	98%	40	1	63	10	A	443	1511	24	1	612	0	0	0	3,726	2279780	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	49	1	63	17	B	49	2703	43	1	904	0	0	0	4,498	4067477	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	36	6	55	22	C	84	2679	49	8	1230	0	0	0	2,800	3443067	12
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	62	17	B	109	1852	30	1	1077	0	0	0	2,271	2445299	7
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,509	100%	17	4	48	26	C	126	1259	26	7	1385	0	0	0	1,200	1661700	6
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,661	99%	43	13	46	36	E	169	3669	80	24	1665	0	0	0	2,800	4662467	19
California Ave Off Ramp to California Ave On Ramp	5,673	5,658	100%	16	3	52	27	D	185	1317	25	5	1415	0	0	0	1,229	1738421	6
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,467	99%	41	15	43	37	E	226	3194	74	27	1617	0	0	0	2,433	3933553	17
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,528	98%	41	2	62	18	C	267	3185	51	2	1132	0	0	0	3,714	4204248	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,604	98%	5	1	49	23	C	272	404	8	2	1401	0	0	0	381	533781	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,871	97%	26	5	53	26	D	298	2233	42	8	1368	0	0	0	2,004	2941371	10
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,331	97%	35	1	63	17	B	333	2616	42	2	1083	0	0	0	3,189	3452890	10
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,770	97%	82	25	49	30	D	415	5348	108	33	1363	0	0	0	5,403	7363517	30
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,774	96%	20	1	62	15	B	434	930	15	1	925	0	0	0	1,770	1636660	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	2,910	96%	10	0	62	14	B	444	493	8	0	970	0	0	0	894	867180	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	2,975	94%	52	2	62	15	B	496	2689	43	2	992	0	0	0	4,777	4736396	14
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	44	5	54	8	A	44	570	11	1	575	0	0	0	3,523	2025725	5
SR99 On Ramp to H St Off Ramp	3,419	3,419	100%	10	1	58	20	C	54	577	10	1	1165	0	0	0	870	1013695	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	37	3	60	22	C	91	1930	32	2	1247	0	0	0	3,265	4071455	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,562	100%	30	5	55	32	D	122	1693	31	5	1833	0	0	0	2,419	4433221	15
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	61	26	C	139	910	15	1	1567	0	0	0	1,533	2402211	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,226	100%	9	1	58	24	C	148	466	8	1	1665	0	0	0	739	1230435	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,469	100%	75	6	59	29	D	223	4432	75	6	1764	0	0	0	6,567	11717170	37
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	88	3	62	25	C	88	3603	58	3	1533	0	0	0	6,193	9494843	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	61	22	C	85	807	13	1	1367	0	0	0	1,558	2129786	7
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,949	100%	13	1	59	22	C	98	605	10	1	1475	0	0	0	1,082	1595409	4
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,296	100%	25	3	57	27	D	123	1287	23	3	1650	0	0	0	2,080	3398313	11
Chester Ave Off Ramp to H St On Ramp	2,832	2,821	100%	40	3	61	23	C	163	1912	31	2	1411	0	0	0	3,579	5048180	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,274	99%	29	4	56	28	D	191	1461	26	4	1637	0	0	0	2,350	3847342	12
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,179	99%	27	1	57	19	C	218	925	16	1	1090	0	0	0	2,163	2356589	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: Erlang1 (VEH Erlang distribution shape parameter alpha=1, CFS and PCFC at default)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	50	1	63	13	B	50	2155	34	1	817	0	0	0	4,648	3796641	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,091	99%	19	1	63	11	B	69	700	11	0	697	0	0	0	1,768	1232296	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,201	98%	8	2	50	18	B	77	336	7	1	1067	0	0	0	555	592185	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,704	100%	75	4	61	19	C	151	4690	77	4	1058	0	0	0	6,695	7085701	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,307	100%	25	1	62	13	B	177	1439	23	1	827	0	0	0	2,291	1894084	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,532	100%	14	4	44	23	C	191	795	18	5	1133	0	0	0	926	1049158	4
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,097	100%	31	1	63	13	B	222	1718	27	1	785	0	0	0	2,890	2267928	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	14	B	232	596	10	1	933	0	0	0	844	787452	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	36	4	58	20	C	268	2802	48	6	1207	0	0	0	3,000	3620250	12
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,064	100%	16	1	62	17	B	284	1173	19	1	1039	0	0	0	1,491	1548404	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,693	100%	10	2	54	20	C	294	704	13	2	1183	0	0	0	785	928851	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,970	100%	27	6	51	23	C	321	1691	37	8	1242	0	0	0	2,014	2502227	9
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,230	100%	16	1	62	13	B	337	876	14	0	868	0	0	0	1,432	1156698	4
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,911	98%	33	1	63	12	B	370	1684	27	1	728	0	0	0	3,055	2223276	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,391	100%	34	2	60	14	B	404	1927	32	2	848	0	0	0	3,000	2543250	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,194	100%	40	1	63	10	A	444	1550	25	1	628	0	0	0	3,726	2338863	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	49	2	63	17	B	49	2709	43	2	906	0	0	0	4,498	4073260	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	37	7	53	23	C	86	2700	51	10	1227	0	0	0	2,800	3436767	12
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	62	18	B	111	1860	30	2	1081	0	0	0	2,271	2454951	8
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,509	100%	17	4	48	26	C	128	1261	26	7	1387	0	0	0	1,200	1664400	6
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,696	100%	43	13	46	36	E	171	3729	80	25	1674	0	0	0	2,800	4686967	19
California Ave Off Ramp to California Ave On Ramp	5,673	5,673	100%	15	2	56	25	C	186	1329	24	3	1427	0	0	0	1,229	1753169	6
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,502	100%	40	14	44	37	E	227	3201	73	26	1626	0	0	0	2,433	3954842	17
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,588	99%	41	2	62	18	C	267	3227	52	2	1147	0	0	0	3,714	4259958	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,696	99%	6	2	45	25	C	273	411	9	3	1424	0	0	0	381	542544	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,972	99%	28	6	49	28	D	301	2260	46	11	1493	0	0	0	2,004	2991972	11
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,390	98%	35	2	62	18	B	336	2651	43	2	1098	0	0	0	3,189	3499928	11
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,880	99%	70	13	54	26	D	406	5139	95	18	1394	0	0	0	5,403	7533326	27
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,899	100%	19	1	62	16	B	425	994	16	1	988	0	0	0	1,770	1748760	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	3,038	100%	10	0	62	15	B	435	524	8	0	1032	0	0	0	894	922608	3
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	3,167	100%	52	2	62	16	B	487	2864	46	2	1056	0	0	0	4,777	5042124	15
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	44	4	55	8	A	44	574	11	1	580	0	0	0	3,523	2042166	5
SR99 On Ramp to H St Off Ramp	3,419	3,419	100%	10	1	58	20	C	54	571	10	1	1151	0	0	0	870	1001660	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	37	3	60	21	C	91	1897	32	2	1226	0	0	0	3,265	4002890	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,562	100%	30	4	56	31	D	121	1666	30	4	1802	0	0	0	2,419	4359441	14
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	61	25	C	138	895	15	1	1541	0	0	0	1,533	2362353	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,226	100%	9	1	58	24	C	147	457	8	1	1632	0	0	0	739	1205679	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,469	100%	75	6	59	29	D	222	4377	74	6	1762	0	0	0	6,567	11572696	36
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	69	4	62	25	C	69	3604	58	3	1534	0	0	0	6,193	9497740	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	61	22	C	86	801	13	1	1357	0	0	0	1,558	2114206	7
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,939	100%	13	1	58	22	C	99	602	10	1	1470	0	0	0	1,082	1589999	5
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,296	100%	25	3	57	27	D	123	1288	23	3	1653	0	0	0	2,060	3404837	11
Chester Ave Off Ramp to H St On Ramp	2,832	2,832	100%	40	2	61	23	C	163	1919	32	2	1416	0	0	0	3,579	5066969	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,276	100%	29	4	56	28	D	192	1461	26	3	1630	0	0	0	2,350	3849300	12
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,178	99%	27	2	57	19	C	219	926	16	1	1089	0	0	0	2,163	2355507	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: Erlang2 (VEH Erlang distribution shape parameter alpha=2, CFS and PCFC at default)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	50	1	64	13	B	50	2152	34	1	816	0	0	0	4,648	3794317	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,110	100%	19	1	63	11	B	69	707	11	0	703	0	0	0	1,768	1243493	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,255	100%	7	1	53	17	B	76	342	6	1	1085	0	0	0	555	602175	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,722	100%	75	4	61	19	C	151	4740	78	4	1070	0	0	0	6,695	7161259	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,319	100%	25	1	62	14	B	176	1453	24	1	835	0	0	0	2,291	1912126	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,534	100%	14	4	46	22	C	190	797	17	5	1136	0	0	0	926	1051705	4
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,097	100%	32	1	63	12	B	221	1710	27	1	781	0	0	0	2,890	2256368	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	14	B	231	592	10	1	927	0	0	0	844	781966	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	36	4	58	20	C	267	2786	48	6	1199	0	0	0	3,000	3597250	12
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,064	100%	16	1	62	16	B	283	1157	19	1	1024	0	0	0	1,491	1527157	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,664	99%	10	2	55	19	C	293	693	13	2	1166	0	0	0	785	915310	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,888	98%	27	6	51	23	C	320	1854	36	8	1222	0	0	0	2,014	2460940	9
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,150	98%	16	1	62	13	B	336	854	14	0	788	0	0	0	1,432	1127700	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,845	97%	33	1	63	11	B	359	1646	26	1	711	0	0	0	3,055	2172869	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,291	97%	34	2	60	13	B	403	1870	31	2	823	0	0	0	3,000	2468250	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,165	99%	40	1	63	10	A	443	1528	24	1	619	0	0	0	3,726	2304797	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	49	2	63	17	B	49	2709	43	1	906	0	0	0	4,498	4075188	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	36	6	54	22	C	85	2659	49	9	1221	0	0	0	2,800	3419967	12
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	62	17	B	110	1840	30	1	1070	0	0	0	2,271	2428835	7
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,483	100%	17	5	48	26	D	127	1246	26	7	1371	0	0	0	1,200	1644900	6
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,606	99%	45	15	44	37	E	172	3670	83	27	1651	0	0	0	2,800	4623967	20
California Ave Off Ramp to California Ave On Ramp	5,673	5,565	98%	14	1	61	23	C	186	1295	21	1	1391	0	0	0	1,229	1709645	5
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,384	98%	35	9	48	32	D	221	3009	62	17	1596	0	0	0	2,433	3883068	15
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,561	99%	41	2	62	18	C	261	3208	51	2	1140	0	0	0	3,714	4234089	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,603	98%	5	1	47	24	C	267	404	9	2	1401	0	0	0	381	533686	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,888	98%	26	5	53	26	D	293	2242	42	8	1472	0	0	0	2,004	2950055	10
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,312	96%	35	1	62	17	B	328	2604	42	2	1076	0	0	0	3,189	3437343	10
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,778	97%	66	9	57	25	C	393	4954	87	11	1365	0	0	0	5,403	7375867	25
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,844	98%	19	1	62	15	B	413	953	15	1	948	0	0	0	1,770	1677960	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	2,972	98%	10	0	62	14	B	423	503	8	0	991	0	0	0	894	885856	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	3,056	96%	52	2	62	16	B	475	2762	44	2	1019	0	0	0	4,777	4866171	14
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	43	4	55	8	A	43	562	10	1	568	0	0	0	3,523	2002238	5
SR99 On Ramp to H St Off Ramp	3,419	3,392	99%	10	1	58	19	C	53	560	10	1	1131	0	0	0	870	983680	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	37	3	60	21	C	90	1872	31	2	1209	0	0	0	3,265	3948038	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,562	100%	30	4	56	31	D	120	1657	30	4	1794	0	0	0	2,419	4338680	14
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	61	25	C	137	890	15	1	1534	0	0	0	1,533	2350856	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,226	100%	9	1	58	23	C	146	457	8	1	1634	0	0	0	739	1207157	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,469	100%	75	6	60	29	D	221	4339	73	5	1747	0	0	0	6,567	11470086	35
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	68	3	62	25	C	68	3593	58	3	1529	0	0	0	6,193	9469097	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	61	22	C	86	802	13	1	1359	0	0	0	1,558	2117322	7
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,946	100%	13	1	58	22	C	98	604	10	1	1473	0	0	0	1,082	1593786	5
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,282	100%	25	3	57	27	D	123	1278	22	3	1641	0	0	0	2,060	3380117	10
Chester Ave Off Ramp to H St On Ramp	2,832	2,830	100%	40	2	61	23	C	163	1918	31	2	1415	0	0	0	3,579	5063390	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,284	100%	29	4	55	28	D	192	1465	27	4	1642	0	0	0	2,350	3859092	13
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,203	100%	27	2	57	20	C	219	935	16	1	1101	0	0	0	2,163	2382004	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: Erlang3 (VEH Erlang distribution shape parameter alpha=3, CFS and PCFC at default)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vph)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,446	2,448	100%	50	1	64	13	B	50	2152	34	1	816	0	0	0	4,648	3791993	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,110	100%	19	1	63	11	B	69	712	11	0	709	0	0	0	1,768	1252923	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,265	100%	7	2	51	18	C	76	345	7	1	1094	0	0	0	555	607170	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,722	100%	75	5	61	19	C	151	4749	78	5	1072	0	0	0	6,695	7177518	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,319	100%	25	1	62	13	B	176	1457	23	1	637	0	0	0	2,291	1918426	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,526	100%	13	3	47	21	C	189	794	17	4	1132	0	0	0	926	1047769	4
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,097	100%	31	1	63	13	B	221	1730	28	1	790	0	0	0	2,890	2283100	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	15	B	231	600	10	1	938	0	0	0	844	791883	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	36	4	59	20	C	266	2798	48	5	1205	0	0	0	3,000	3615500	12
California Ave Off Ramp to California Ave Loop On Ramp	4,084	4,084	100%	16	1	63	17	B	282	1176	19	1	1041	0	0	0	1,491	1552131	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,693	100%	10	1	55	20	C	292	705	13	2	1166	0	0	0	785	930814	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,941	99%	27	5	51	23	C	319	1878	37	7	1235	0	0	0	2,014	2487626	9
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,159	98%	16	1	62	13	B	334	857	14	0	790	0	0	0	1,432	1130922	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,838	97%	33	1	63	11	B	367	1641	26	1	709	0	0	0	3,055	2165995	6
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,311	97%	34	2	60	13	B	401	1881	31	2	828	0	0	0	3,000	2482875	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,150	98%	40	1	63	10	A	441	1517	24	1	614	0	0	0	3,726	2288829	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	49	2	63	17	B	49	2704	43	1	904	0	0	0	4,498	4067477	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	36	6	54	22	C	85	2668	49	9	1228	0	0	0	2,800	3437933	12
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	62	17	B	110	1832	30	1	1065	0	0	0	2,271	2418047	7
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,467	99%	17	4	48	26	C	127	1243	26	7	1367	0	0	0	1,200	1640100	6
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,610	99%	44	14	45	36	E	171	3701	82	26	1653	0	0	0	2,800	4627233	19
California Ave Off Ramp to California Ave On Ramp	5,673	5,580	98%	15	2	56	25	C	186	1299	23	3	1395	0	0	0	1,229	1714455	6
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,374	98%	39	13	45	35	D	225	3106	66	22	1594	0	0	0	2,433	3876986	16
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,508	98%	41	2	62	18	C	265	3171	51	2	1127	0	0	0	3,714	4185678	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,576	97%	5	1	49	23	C	271	403	8	2	1394	0	0	0	381	531114	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,851	97%	27	5	51	27	D	297	2211	43	9	1463	0	0	0	2,004	2931184	10
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,334	97%	35	1	62	17	B	332	2616	42	2	1083	0	0	0	3,189	3454883	11
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,822	98%	71	14	54	27	D	403	5129	96	19	1378	0	0	0	5,403	7443018	27
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,844	98%	19	1	62	15	B	423	953	15	1	948	0	0	0	1,770	1677960	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	2,972	98%	10	0	62	14	B	433	503	8	0	991	0	0	0	894	885656	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	3,054	96%	52	2	62	16	B	485	2761	44	2	1018	0	0	0	4,777	4862986	14
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	43	4	55	8	A	43	566	10	1	572	0	0	0	3,523	2013982	5
SR99 On Ramp to H St Off Ramp	3,419	3,396	99%	10	1	58	19	C	53	561	10	1	1132	0	0	0	870	984840	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	37	3	60	21	C	90	1884	31	2	1217	0	0	0	3,265	3974811	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,562	100%	30	4	56	30	D	120	1655	30	4	1791	0	0	0	2,419	4332429	14
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	61	25	C	137	888	15	1	1530	0	0	0	1,533	2345490	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,226	100%	9	1	58	23	C	146	455	8	1	1627	0	0	0	739	1202353	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,469	100%	75	6	60	29	D	221	4330	73	6	1743	0	0	0	6,567	11447102	36
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	68	3	62	25	C	68	3608	58	3	1535	0	0	0	6,193	9508577	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	62	22	C	85	805	13	1	1365	0	0	0	1,558	2125891	7
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,949	100%	12	1	59	22	C	98	604	10	1	1475	0	0	0	1,082	1595409	4
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,296	100%	25	3	57	27	D	123	1288	23	3	1654	0	0	0	2,060	3406897	11
Chester Ave Off Ramp to H St On Ramp	2,832	2,832	100%	40	3	61	23	C	163	1937	32	2	1429	0	0	0	3,579	5113496	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,291	100%	29	4	56	28	D	192	1476	27	4	1653	0	0	0	2,350	3884550	13
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,207	100%	27	2	57	20	C	219	951	17	1	1120	0	0	0	2,163	2422019	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: Erlang4 (VEH Erlang distribution shape parameter alpha=4, CFS and PCFC at default)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	49	1	64	13	B	49	2155	34	1	617	0	0	0	4,648	3797416	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,110	100%	19	1	63	11	B	68	716	11	0	712	0	0	0	1,768	1259405	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,260	100%	7	2	51	18	C	76	343	7	1	1087	0	0	0	555	603100	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,722	100%	75	4	61	19	C	151	4760	78	5	1074	0	0	0	6,695	7191386	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,296	99%	25	1	62	13	B	176	1434	23	1	824	0	0	0	2,291	1887784	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,509	99%	13	3	48	20	C	189	791	16	4	1127	0	0	0	926	1043834	4
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,095	100%	31	1	63	12	B	220	1694	27	1	774	0	0	0	2,690	2236136	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	14	B	230	588	10	1	921	0	0	0	844	776902	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	36	4	59	20	C	266	2813	48	5	1212	0	0	0	3,000	3635500	12
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,064	100%	16	1	62	17	B	282	1182	19	1	1047	0	0	0	1,491	1560704	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,693	100%	10	2	55	20	C	292	707	13	2	1169	0	0	0	785	932973	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,958	100%	27	6	51	24	C	319	1885	37	8	1242	0	0	0	2,014	2501556	9
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,230	100%	16	1	62	13	B	335	890	14	1	821	0	0	0	1,432	1174956	4
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,926	100%	33	1	63	12	B	368	1713	27	1	740	0	0	0	3,055	2261464	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,405	100%	34	2	60	14	B	402	1943	32	2	855	0	0	0	3,000	2564625	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,164	99%	40	1	63	10	A	442	1527	24	1	618	0	0	0	3,726	2303733	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	48	1	63	17	B	48	2703	43	1	905	0	0	0	4,498	4068762	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	36	6	55	22	C	84	2662	49	8	1226	0	0	0	2,800	3431400	12
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	62	17	B	109	1845	30	1	1073	0	0	0	2,271	2435648	7
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,507	100%	18	6	45	28	D	127	1251	28	9	1377	0	0	0	1,200	1652100	6
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,619	99%	45	15	44	38	E	173	3655	83	27	1655	0	0	0	2,800	4633300	20
California Ave Off Ramp to California Ave On Ramp	5,673	5,591	99%	15	2	56	25	C	188	1301	23	3	1398	0	0	0	1,229	1717835	6
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,428	99%	39	13	45	36	E	227	3150	70	24	1607	0	0	0	2,433	3910034	16
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,588	99%	41	2	62	18	C	268	3227	52	2	1147	0	0	0	3,714	4259958	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,636	98%	5	1	49	23	C	273	407	8	2	1469	0	0	0	381	538829	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,897	98%	25	4	54	25	C	299	2238	41	7	1474	0	0	0	2,004	2954397	10
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,407	99%	35	1	82	18	B	333	2062	43	2	1162	0	0	0	3,189	3513481	11
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,855	99%	90	33	47	33	D	424	5671	122	45	1387	0	0	0	5,403	7495119	34
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,805	97%	20	1	61	15	B	443	941	15	1	935	0	0	0	1,770	1654950	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	2,935	97%	10	0	62	14	B	453	497	8	0	978	0	0	0	894	874630	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	3,015	95%	52	2	62	16	B	505	2725	44	2	1005	0	0	0	4,777	4800089	14
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	44	4	54	8	A	44	559	10	1	573	0	0	0	3,523	2019853	5
SR99 On Ramp to H St Off Ramp	3,419	3,381	99%	10	1	58	19	C	54	559	10	1	1127	0	0	0	870	980345	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	37	3	60	21	C	91	1867	31	2	1206	0	0	0	3,285	3937590	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,562	100%	30	4	56	31	D	121	1645	30	4	1784	0	0	0	2,419	4315302	14
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	61	25	C	138	889	15	1	1531	0	0	0	1,533	2347023	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,226	100%	9	1	58	23	C	147	456	8	1	1628	0	0	0	739	1203092	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,469	100%	75	6	60	29	D	222	4324	73	6	1740	0	0	0	6,587	11427401	35
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	68	3	62	25	C	68	3603	58	3	1533	0	0	0	6,193	9494643	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	61	22	C	86	811	13	1	1374	0	0	0	1,558	2140692	7
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,952	100%	13	1	58	23	C	98	608	11	1	1484	0	0	0	1,082	1605658	5
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,296	100%	25	3	57	27	D	123	1294	23	3	1662	0	0	0	2,060	3423720	11
Chester Ave Off Ramp to H St On Ramp	2,832	2,832	100%	40	2	61	24	C	163	1946	32	2	1436	0	0	0	3,579	5137655	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,291	100%	29	4	55	29	D	192	1484	27	4	1664	0	0	0	2,350	3910792	13
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,163	98%	27	1	57	19	C	219	918	16	1	1082	0	0	0	2,163	2339285	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: Erlang5 (VEH Erlang distribution shape parameter alpha=5, CFS and PCFC at default)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	50	1	64	13	B	50	2160	34	1	819	0	0	0	4,648	3806712	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,095	99%	19	1	63	11	B	69	702	11	0	598	0	0	0	1,768	1234653	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,248	99%	7	2	51	18	C	76	341	7	1	1083	0	0	0	555	600360	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,701	99%	75	5	61	19	C	151	4685	77	5	1057	0	0	0	6,695	7079484	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,317	100%	25	1	62	13	B	176	1443	23	1	029	0	0	0	2,291	1899812	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,534	100%	14	4	46	22	C	190	798	17	5	1137	0	0	0	926	1053094	4
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,093	100%	32	1	63	12	B	221	1693	27	1	773	0	0	0	2,890	2234693	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	60	14	B	231	588	10	1	919	0	0	0	844	775636	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	36	4	58	20	C	267	2783	48	6	1197	0	0	0	3,000	3591750	12
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,064	100%	16	1	63	17	B	283	1166	19	1	1033	0	0	0	1,491	1539830	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,693	100%	10	1	56	19	C	293	701	13	2	1176	0	0	0	785	924926	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,931	99%	27	5	51	23	C	320	1874	37	7	1233	0	0	0	2,014	2482926	9
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,203	99%	16	1	62	13	B	335	869	14	0	801	0	0	0	1,432	1145674	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,857	98%	33	1	63	11	B	368	1653	26	1	714	0	0	0	3,055	2182034	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,301	97%	34	2	60	13	B	402	1876	31	2	825	0	0	0	3,000	2475750	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,111	96%	40	1	63	10	A	442	1489	24	1	603	0	0	0	3,726	2246778	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	48	1	63	17	B	48	2702	43	1	904	0	0	0	4,498	4066192	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	36	6	55	22	C	84	2671	49	8	1230	0	0	0	2,800	3444833	12
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	62	17	B	109	1655	30	1	1078	0	0	0	2,271	2448706	7
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,509	100%	17	4	46	26	D	126	1254	26	7	1379	0	0	0	1,200	1654500	6
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,645	99%	44	14	46	36	E	170	3683	81	25	1661	0	0	0	2,800	4651267	19
California Ave Off Ramp to California Ave On Ramp	5,673	5,670	100%	17	4	50	29	D	187	1320	27	6	1418	0	0	0	1,229	1742108	7
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,470	99%	42	16	43	38	E	229	3253	76	29	1618	0	0	0	2,433	3935580	18
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,590	99%	41	2	62	18	C	270	3229	52	2	1148	0	0	0	3,714	4261815	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,655	98%	5	1	50	23	C	275	408	8	2	1414	0	0	0	381	538639	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,935	98%	26	4	54	26	C	300	2257	42	7	1484	0	0	0	2,004	2973602	10
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,438	99%	35	1	62	18	B	335	2681	43	2	1109	0	0	0	3,189	3537797	11
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,920	100%	80	24	50	30	D	416	5508	110	32	1406	0	0	0	5,403	7595074	31
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,889	100%	20	1	61	16	B	435	981	16	1	976	0	0	0	1,770	1726830	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	3,038	100%	10	0	62	15	B	445	519	8	0	1022	0	0	0	894	913668	3
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	3,139	99%	52	2	62	16	B	497	2837	46	2	1046	0	0	0	4,777	4997538	15
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	43	3	55	8	A	43	564	10	1	570	0	0	0	3,523	2009284	5
SR99 On Ramp to H St Off Ramp	3,419	3,419	100%	10	1	58	20	C	53	574	10	1	1159	0	0	0	870	1008040	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	37	3	60	21	C	90	1905	32	3	1230	0	0	0	3,265	4017256	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,562	100%	30	4	56	31	D	120	1673	30	4	1812	0	0	0	2,419	4382422	14
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	61	25	C	137	884	14	1	1523	0	0	0	1,533	2333993	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,226	100%	9	1	58	23	C	146	454	8	1	1623	0	0	0	739	1199397	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,469	100%	75	6	60	28	D	220	4337	72	5	1746	0	0	0	6,567	11464340	35
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	68	3	62	25	C	68	3601	58	3	1532	0	0	0	6,193	9489224	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	61	22	C	86	801	13	1	1358	0	0	0	1,558	2114985	7
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,945	100%	13	1	58	22	C	98	603	10	1	1473	0	0	0	1,082	1593245	5
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,291	100%	25	3	56	27	D	123	1282	23	3	1646	0	0	0	2,060	3390073	11
Chester Ave Off Ramp to H St On Ramp	2,832	2,823	100%	40	2	61	23	C	163	1913	31	2	1411	0	0	0	3,579	5050864	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,287	100%	29	4	55	28	D	192	1466	26	4	1644	0	0	0	2,350	3862225	13
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,179	99%	27	2	56	19	C	219	925	16	1	1089	0	0	0	2,163	2356048	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: Erlang6 (VEH Erlang distribution shape parameter alpha=6, CFS and PCFC at default)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	50	1	64	13	B	50	2155	34	1	817	0	0	0	4,648	3795867	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,110	100%	19	1	63	11	B	69	712	11	0	769	0	0	0	1,768	1252923	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,265	100%	7	2	51	18	C	76	348	7	1	1103	0	0	0	555	611980	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,722	100%	75	5	61	19	C	151	4772	79	5	1677	0	0	0	6,695	7212428	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,319	100%	25	1	82	14	B	176	1461	24	1	839	0	0	0	2,291	1921004	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,534	100%	14	4	46	22	C	190	804	17	5	1145	0	0	0	926	1060733	4
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,097	100%	31	1	63	12	B	222	1704	27	1	778	0	0	0	2,690	2248420	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	14	B	231	591	10	1	925	0	0	0	844	780489	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,729	100%	36	4	58	20	C	267	2742	47	5	1182	0	0	0	3,000	3546500	11
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,056	100%	16	1	62	16	B	283	1146	18	1	1014	0	0	0	1,491	1511874	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,645	98%	10	1	56	19	C	293	690	12	2	1161	0	0	0	785	911581	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,878	98%	27	5	51	23	C	320	1847	36	7	1219	0	0	0	2,014	2455905	9
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,178	98%	16	1	62	13	B	335	862	14	1	795	0	0	0	1,432	1137724	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,836	97%	33	1	53	11	B	368	1641	26	1	709	0	0	0	3,055	2165095	6
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,295	97%	34	2	60	13	B	402	1872	31	2	824	0	0	0	3,000	2471250	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,106	96%	40	1	63	10	A	443	1486	24	1	602	0	0	0	3,726	2241987	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	49	1	63	17	B	49	2707	43	1	906	0	0	0	4,498	4073903	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	36	6	54	22	C	84	2676	49	9	1231	0	0	0	2,800	3445400	12
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	62	18	B	110	1859	30	2	1030	0	0	0	2,271	2453248	8
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,509	100%	17	5	47	26	D	127	1254	27	7	1380	0	0	0	1,200	1655700	6
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,649	99%	45	15	44	37	E	172	3682	83	27	1662	0	0	0	2,600	4654533	20
California Ave Off Ramp to California Ave On Ramp	5,673	5,664	100%	15	2	56	25	C	187	1318	24	3	1416	0	0	0	1,229	1740264	6
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,443	99%	39	14	45	36	E	226	3148	71	24	1611	0	0	0	2,433	3918752	17
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,508	95%	41	2	62	18	C	267	3171	51	2	1127	0	0	0	3,714	4185678	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,571	97%	5	1	47	24	C	272	402	8	2	1393	0	0	0	381	530638	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,852	97%	27	5	51	27	D	299	2204	43	9	1493	0	0	0	2,004	2931852	10
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,288	96%	35	1	62	17	B	334	2589	42	2	1072	0	0	0	3,189	3418608	10
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,771	97%	66	9	56	25	C	400	4957	88	12	1363	0	0	0	5,403	7365447	25
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,859	99%	19	1	62	15	B	420	959	15	1	953	0	0	0	1,770	1686810	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	3,000	99%	10	0	62	15	B	429	508	8	0	1000	0	0	0	894	894000	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	3,079	97%	52	2	62	16	B	482	2784	45	2	1026	0	0	0	4,777	4901998	14
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	43	4	55	8	A	43	574	10	1	580	0	0	0	3,523	2043340	5
SR99 On Ramp to H St Off Ramp	3,419	3,419	100%	10	1	58	20	C	53	580	10	1	1171	0	0	0	870	1018625	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	37	3	60	22	C	91	1922	32	3	1242	0	0	0	3,265	4055130	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,562	100%	30	5	55	32	D	121	1692	31	5	1826	0	0	0	2,419	4417900	15
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	61	26	C	138	904	15	1	1557	0	0	0	1,533	2386891	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,226	100%	9	1	57	24	C	147	464	8	1	1659	0	0	0	739	1225632	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,469	100%	75	6	59	29	D	222	4410	74	6	1774	0	0	0	6,567	11648858	36
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	68	3	62	25	C	68	3594	58	3	1530	0	0	0	6,193	9473742	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	61	22	C	85	805	13	1	1365	0	0	0	1,558	2125891	7
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,948	100%	12	1	59	22	C	96	604	10	1	1474	0	0	0	1,082	1594868	4
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,296	100%	25	3	56	27	D	123	1285	23	3	1649	0	0	0	2,060	3396940	11
Chester Ave Off Ramp to H St On Ramp	2,832	2,827	100%	40	2	61	23	C	163	1916	31	2	1413	0	0	0	3,579	5058022	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,279	100%	28	4	56	28	D	191	1481	26	3	1640	0	0	0	2,350	3852825	12
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,207	100%	27	1	57	20	C	218	950	17	1	1116	0	0	0	2,163	2413908	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: Erlang7 (VEH Erlang distribution shape parameter alpha=7, CFS and PCFC at default)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/in/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	50	1	64	13	B	50	2160	34	1	819	0	0	0	4,648	3807487	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,091	99%	19	1	63	11	B	69	700	11	0	697	0	0	0	1,768	1232296	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,233	99%	7	1	53	17	B	76	340	6	1	1078	0	0	0	555	598105	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,722	100%	75	4	61	19	C	150	4732	78	4	1068	0	0	0	6,695	7150260	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,319	100%	25	1	62	13	B	176	1455	23	1	836	0	0	0	2,291	1915276	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,534	100%	14	4	46	22	C	189	799	17	5	1140	0	0	0	926	1055640	4
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,097	100%	32	1	63	13	B	221	1755	28	1	802	0	0	0	2,890	2317058	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	15	B	231	607	10	1	949	0	0	0	844	800745	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	36	4	58	21	C	266	2826	48	6	1217	0	0	0	3,000	3650250	12
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,064	100%	16	1	62	17	B	283	1180	19	1	1045	0	0	0	1,491	1557722	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,693	100%	10	2	53	20	C	293	706	13	2	1180	0	0	0	795	932188	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,944	99%	30	8	46	26	C	322	1889	41	11	1236	0	0	0	2,014	2489136	10
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,094	96%	16	1	62	12	B	338	839	14	1	774	0	0	0	1,432	1107652	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,792	95%	33	1	63	11	B	371	1615	26	1	698	0	0	0	3,055	2132390	6
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,251	95%	34	2	60	13	B	405	1847	31	2	813	0	0	0	3,000	2437875	7
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,074	95%	40	1	63	10	A	445	1463	23	1	592	0	0	0	3,726	2207389	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	49	2	63	17	B	49	2707	43	1	906	0	0	0	4,498	4073260	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	36	6	55	22	C	84	2680	48	8	1223	0	0	0	2,800	3425100	12
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	62	17	B	109	1840	30	1	1070	0	0	0	2,271	2428835	7
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,480	99%	18	6	45	28	D	126	1245	28	9	1370	0	0	0	1,200	1644000	6
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,607	99%	45	15	45	37	E	173	3732	83	28	1652	0	0	0	2,800	4625133	20
California Ave Off Ramp to California Ave On Ramp	5,673	5,559	98%	14	1	61	23	C	187	1293	21	1	1390	0	0	0	1,229	1708003	5
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,373	98%	38	12	46	34	D	224	3065	67	21	1593	0	0	0	2,433	3876580	16
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,506	97%	41	2	62	18	C	265	3170	51	2	1127	0	0	0	3,714	4183821	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,553	97%	5	1	50	23	C	270	401	8	2	1398	0	0	0	381	526923	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,805	96%	26	4	54	25	C	296	2207	41	7	1451	0	0	0	2,004	2908305	10
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,261	95%	35	1	62	17	B	331	2573	41	2	1065	0	0	0	3,189	3397082	10
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,690	95%	80	23	50	28	D	410	5181	104	29	1340	0	0	0	5,403	7240020	29
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,741	95%	20	1	62	15	B	430	919	15	1	914	0	0	0	1,770	1617190	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	2,886	95%	10	0	62	14	B	440	488	8	0	962	0	0	0	894	860028	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	2,966	93%	52	2	62	15	B	492	2682	43	2	989	0	0	0	4,777	4722861	14
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	44	4	55	8	A	44	568	10	1	573	0	0	0	3,523	2019853	5
SR99 On Ramp to H St Off Ramp	3,419	3,391	99%	10	1	58	19	C	54	550	10	1	1130	0	0	0	870	983390	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	37	3	60	21	C	91	1872	31	2	1210	0	0	0	3,265	3949997	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,562	100%	30	4	56	30	D	120	1644	29	4	1782	0	0	0	2,419	4310255	14
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	61	25	C	138	886	15	1	1527	0	0	0	1,533	2340891	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,226	100%	9	1	58	23	C	146	455	8	1	1625	0	0	0	739	1200875	3
Union Ave Direct On Ramp to SR58 east end of the network	3,489	3,489	100%	75	6	60	29	D	221	4327	73	5	1742	0	0	0	6,567	11442177	35
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	68	3	62	25	C	68	3603	58	3	1533	0	0	0	6,193	9493869	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	61	22	C	85	804	13	1	1362	0	0	0	1,558	2121217	7
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,947	100%	13	1	59	22	C	98	604	10	1	1474	0	0	0	1,082	1594327	5
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,285	100%	25	3	57	27	D	122	1279	22	3	1643	0	0	0	2,060	3383550	10
Chester Ave Off Ramp to H St On Ramp	2,832	2,802	99%	40	3	61	23	C	162	1899	31	2	1401	0	0	0	3,579	5013284	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,257	99%	29	4	56	28	D	191	1452	26	3	1629	0	0	0	2,350	3826975	12
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,179	99%	27	1	57	19	C	218	925	16	1	1089	0	0	0	2,163	2356048	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: Erlang8 (VEH Erlang distribution shape parameter alpha=8, CFS and PCFC at default)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vph)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	50	1	64	13	B	50	2152	34	1	816	0	0	0	4,648	3792768	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,110	100%	19	1	63	11	B	69	709	11	0	706	0	0	0	1,768	1248797	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,265	100%	8	2	50	19	C	76	346	7	2	1097	0	0	0	555	608835	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,722	100%	75	4	61	19	C	151	4772	78	5	1077	0	0	0	6,695	7210515	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,319	100%	25	1	82	14	B	176	1461	24	1	841	0	0	0	2,291	1925586	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,534	100%	13	3	48	21	C	189	802	17	4	1143	0	0	0	926	1050650	4
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,097	100%	31	1	63	13	B	221	1718	27	1	785	0	0	0	2,890	2267928	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	14	B	230	596	10	1	932	0	0	0	844	786397	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	36	4	58	20	C	266	2790	48	6	1198	0	0	0	3,000	3595250	12
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,064	100%	16	1	82	17	B	283	1172	19	1	1038	0	0	0	1,491	1547285	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,693	100%	10	2	55	20	C	293	703	13	2	1183	0	0	0	785	926851	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,944	99%	27	6	51	23	C	320	1883	37	8	1236	0	0	0	2,014	2489304	9
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,179	98%	16	1	62	13	B	335	862	14	0	795	0	0	0	1,432	1138082	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,901	99%	33	1	63	12	B	368	1678	27	1	725	0	0	0	3,055	2215639	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,365	99%	34	2	60	14	B	402	1913	32	2	841	0	0	0	3,000	2523750	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,179	99%	40	1	63	10	A	443	1538	24	1	622	0	0	0	3,726	2319169	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	48	2	64	17	B	48	2701	43	1	904	0	0	0	4,498	4065549	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	36	7	54	22	C	85	2674	49	9	1228	0	0	0	2,800	3437233	12
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	62	17	B	110	1834	30	2	1066	0	0	0	2,271	2421454	7
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,467	99%	19	6	44	28	D	129	1242	28	9	1367	0	0	0	1,200	1640100	6
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,609	99%	44	14	45	37	E	173	3081	82	26	1652	0	0	0	2,800	4626533	19
California Ave Off Ramp to California Ave On Ramp	5,673	5,640	99%	14	1	60	23	C	187	1312	22	2	1410	0	0	0	1,229	1732690	5
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,448	99%	37	11	47	34	D	224	3078	66	20	1612	0	0	0	2,433	3921793	16
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,622	100%	41	2	62	19	C	264	3255	52	2	1157	0	0	0	3,714	4297098	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,699	99%	6	2	44	26	D	270	411	9	3	1425	0	0	0	381	542830	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,967	99%	26	5	52	27	D	297	2274	44	9	1492	0	0	0	2,004	2989634	10
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,411	99%	35	1	82	18	B	331	2663	43	2	1103	0	0	0	3,189	3516271	11
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,886	99%	69	12	55	26	D	400	5100	93	16	1386	0	0	0	5,403	7542974	27
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,899	100%	19	1	62	16	B	419	985	16	1	969	0	0	0	1,770	1734010	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	3,038	100%	10	0	82	15	B	429	519	8	0	1022	0	0	0	894	913370	3
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	3,137	99%	52	2	62	16	B	481	2835	45	2	1046	0	0	0	4,777	4995150	15
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	44	4	55	8	A	44	556	10	1	561	0	0	0	3,523	1975229	5
SR99 On Ramp to H St Off Ramp	3,419	3,374	99%	10	1	58	19	C	54	558	10	1	1125	0	0	0	870	978460	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	37	3	60	21	C	91	1863	31	3	1203	0	0	0	3,285	3927142	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,550	100%	30	4	56	30	D	121	1640	29	4	1775	0	0	0	2,419	4294128	14
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	61	25	C	138	876	14	1	1509	0	0	0	1,533	2312531	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,215	100%	9	1	58	23	C	147	450	8	1	1608	0	0	0	739	1187943	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,453	100%	75	5	60	28	D	221	4289	71	5	1726	0	0	0	6,567	11336284	35
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	68	3	62	25	C	68	3603	58	3	1533	0	0	0	6,193	9494643	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	61	22	C	85	809	13	1	1371	0	0	0	1,558	2135239	7
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,952	100%	13	1	59	22	C	98	608	10	1	1484	0	0	0	1,082	1605147	5
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,296	100%	25	3	56	27	D	123	1295	23	3	1651	0	0	0	2,060	3422347	11
Chester Ave Off Ramp to H St On Ramp	2,832	2,832	100%	40	2	61	23	C	163	1942	32	2	1433	0	0	0	3,579	5126918	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,291	100%	29	4	56	28	D	192	1481	27	4	1659	0	0	0	2,350	3897867	13
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,207	100%	27	2	57	20	C	219	955	17	1	1124	0	0	0	2,163	2431212	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: Erlang9 (VEH Erlang distribution shape parameter alpha=9, CFS and PCFC at default)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	49	1	64	13	B	49	2159	34	1	819	0	0	0	4,648	3804388	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,083	99%	19	1	63	11	A	69	698	11	0	694	0	0	0	1,768	1227581	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,258	100%	7	1	53	17	B	76	342	6	1	1086	0	0	0	555	602730	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,701	99%	75	4	61	19	C	150	4685	77	4	1057	0	0	0	6,695	7079006	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,309	100%	25	1	62	13	B	176	1440	23	1	827	0	0	0	2,291	1895230	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,534	100%	14	4	45	22	C	190	797	18	5	1136	0	0	0	926	1052168	4
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,072	99%	32	1	63	12	B	221	1682	27	1	768	0	0	0	2,890	2219520	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,655	100%	10	1	60	14	B	231	584	10	1	914	0	0	0	844	771205	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,713	99%	36	4	58	20	C	267	2742	47	5	1178	0	0	0	3,000	3534500	11
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,064	100%	16	1	63	16	B	283	1149	18	1	1018	0	0	0	1,491	1517465	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,646	99%	9	1	56	19	C	292	691	12	2	1162	0	0	0	785	911778	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,861	97%	26	5	52	22	C	319	1849	36	7	1215	0	0	0	2,014	2447681	9
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,092	96%	16	1	62	12	B	334	839	13	0	773	0	0	0	1,432	1106936	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,774	95%	33	1	63	11	B	367	1005	25	1	694	0	0	0	3,055	2118643	6
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,247	95%	34	2	60	13	B	401	1045	31	2	812	0	0	0	3,000	2434875	7
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,089	95%	40	1	63	10	A	441	1474	23	1	597	0	0	0	3,726	2223890	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	49	1	63	17	B	49	2708	43	1	986	0	0	0	4,498	4075188	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	36	6	55	22	C	84	2677	49	8	1230	0	0	0	2,800	3444467	12
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	62	18	B	109	1869	30	1	1087	0	0	0	2,271	2467442	8
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,509	100%	17	4	49	26	C	126	1261	26	6	1388	0	0	0	1,200	1665000	6
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,690	100%	44	14	45	37	E	170	3727	82	26	1673	0	0	0	2,800	4683233	20
California Ave Off Ramp to California Ave On Ramp	5,673	5,673	100%	14	1	61	23	C	184	1322	22	1	1419	0	0	0	1,229	1744258	5
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,510	100%	37	11	46	34	D	221	3112	67	21	1627	0	0	0	2,433	3959505	16
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,610	100%	41	2	62	18	C	262	3243	52	2	1153	0	0	0	3,714	4280385	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,719	100%	6	2	46	25	C	267	413	9	2	1430	0	0	0	381	544735	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,974	99%	26	5	52	27	D	294	2286	43	8	1494	0	0	0	2,004	2992974	10
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,419	99%	35	1	62	18	B	328	2669	43	2	1105	0	0	0	3,189	3523048	11
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,755	96%	142	85	28	56	F	470	5282	187	112	1369	1	132	55	5,403	7339976	57
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,738	94%	20	1	61	15	B	490	918	15	1	913	0	0	0	1,770	1615420	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	2,870	94%	10	1	62	14	B	500	466	8	0	957	0	0	0	894	855260	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	2,954	93%	52	2	62	15	B	552	2689	43	2	985	0	0	0	4,777	4703753	14
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	43	4	55	8	A	43	562	10	1	567	0	0	0	3,523	1998715	5
SR99 On Ramp to H St Off Ramp	3,419	3,419	100%	10	1	58	20	C	54	578	10	1	1165	0	0	0	870	1013695	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	37	3	60	21	C	91	1904	32	2	1230	0	0	0	3,265	4017256	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,562	100%	30	5	55	31	D	121	1678	30	5	1815	0	0	0	2,419	4390888	14
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	61	25	C	138	899	15	1	1548	0	0	0	1,533	2373084	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,226	100%	9	1	58	23	C	147	461	8	1	1649	0	0	0	739	1218242	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,469	100%	75	6	60	29	D	221	4387	73	6	1766	0	0	0	6,567	11594039	36
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	68	3	62	25	C	68	3600	58	3	1532	0	0	0	6,193	9484580	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	62	22	C	85	800	13	1	1356	0	0	0	1,558	2112648	6
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,919	99%	12	1	59	22	C	98	598	10	1	1460	0	0	0	1,082	1579179	4
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,272	99%	25	3	57	27	D	122	1274	22	3	1636	0	0	0	2,060	3370503	10
Chester Ave Off Ramp to H St On Ramp	2,832	2,807	99%	40	2	61	23	C	162	1903	31	2	1403	0	0	0	3,579	5022232	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,268	99%	28	3	57	27	D	191	1458	26	3	1634	0	0	0	2,350	3839900	12
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,199	100%	27	1	57	19	C	217	934	16	1	1100	0	0	0	2,163	2378219	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: CFS-1%+1% (VEH constant, CFS -1% for driver types 1 to 5; +1% for driver types 6 to 10, PCFC at default)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	50	1	64	13	B	50	2159	34	1	818	0	0	0	4,648	3803613	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,110	100%	19	1	63	11	B	69	708	11	0	704	0	0	0	1,768	1245261	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,232	99%	7	1	51	18	B	76	340	7	1	1077	0	0	0	555	597920	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,722	100%	75	4	61	19	C	151	4718	77	4	1065	0	0	0	6,635	7128740	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,319	100%	25	1	82	14	B	176	1462	24	1	840	0	0	0	2,291	1925299	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,534	100%	14	4	46	22	C	189	804	17	5	1146	0	0	0	926	1060965	4
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,097	100%	32	1	63	13	B	221	1736	28	1	793	0	0	0	2,890	2291770	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	15	B	231	602	10	1	942	0	0	0	844	795048	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	36	4	58	20	C	266	2808	48	5	1210	0	0	0	3,000	3629000	12
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,064	100%	16	1	63	17	B	283	1166	19	1	1032	0	0	0	1,491	1538339	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,693	100%	10	1	56	19	C	292	699	12	2	1177	0	0	0	785	923553	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,907	98%	26	5	52	23	C	319	1862	36	7	1227	0	0	0	2,014	2470675	9
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,155	98%	16	1	62	13	B	334	856	14	0	789	0	0	0	1,432	1129490	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,851	97%	33	1	63	11	B	367	1650	26	1	713	0	0	0	3,055	2177451	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,306	97%	34	2	60	13	B	401	1879	31	2	826	0	0	0	3,000	2479125	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,117	96%	40	1	63	10	A	442	1494	24	1	605	0	0	0	3,726	2253698	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	49	1	63	17	B	49	2707	43	1	905	0	0	0	4,498	4072618	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	37	7	54	23	C	85	2668	50	9	1225	0	0	0	2,800	3429833	12
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	62	17	B	110	1835	30	1	1067	0	0	0	2,271	2422022	7
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,487	100%	17	4	48	26	C	127	1247	26	7	1372	0	0	0	1,200	1646100	6
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,614	99%	45	15	45	37	E	172	3708	83	27	1653	0	0	0	2,800	4629567	20
California Ave Off Ramp to California Ave On Ramp	5,673	5,600	99%	14	1	59	24	C	186	1304	22	2	1400	0	0	0	1,229	1720600	6
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,401	98%	38	12	45	35	D	225	3092	68	22	1600	0	0	0	2,433	3893408	16
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,561	99%	41	2	62	18	C	265	3208	52	2	1140	0	0	0	3,714	4234889	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,625	98%	5	1	48	24	C	271	406	8	2	1406	0	0	0	381	535781	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,895	98%	26	4	54	26	C	296	2239	42	7	1474	0	0	0	2,094	2953562	10
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,380	98%	35	1	62	18	B	331	2645	42	2	1095	0	0	0	3,189	3491556	11
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,841	98%	89	32	48	32	D	420	5749	120	44	1383	0	0	0	5,403	7472735	33
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,822	97%	20	1	61	15	B	440	946	15	1	941	0	0	0	1,770	1664980	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	2,963	98%	10	1	62	14	B	450	502	8	0	988	0	0	0	894	882974	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	3,032	95%	52	2	62	16	B	502	2741	44	2	1011	0	0	0	4,777	4827159	14
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	44	4	54	8	A	44	569	10	1	574	0	0	0	3,523	2022202	5
SR99 On Ramp to H St Off Ramp	3,419	3,419	100%	10	1	58	20	C	54	573	10	1	1157	0	0	0	870	1006680	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	37	3	60	21	C	91	1908	32	2	1233	0	0	0	3,265	4025745	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,562	100%	30	4	56	31	D	121	1677	30	4	1615	0	0	0	2,419	4300465	14
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	61	25	C	138	895	15	1	1542	0	0	0	1,533	2363120	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,226	100%	9	1	57	24	C	147	458	8	1	1636	0	0	0	739	1209004	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,469	100%	75	6	60	29	D	222	4341	73	6	1747	0	0	0	6,567	11472549	36
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	68	3	62	25	C	68	3602	58	3	1533	0	0	0	6,193	9494643	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	61	22	C	85	798	13	1	1353	0	0	0	1,558	2107974	6
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,923	99%	13	1	59	22	C	98	599	10	1	1462	0	0	0	1,082	1581343	4
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,276	99%	24	3	57	26	D	122	1276	22	3	1638	0	0	0	2,060	3373937	10
Chester Ave Off Ramp to H St On Ramp	2,832	2,811	99%	40	2	61	23	C	162	1905	31	2	1406	0	0	0	3,579	5030265	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,258	99%	29	4	56	28	D	191	1456	26	4	1629	0	0	0	2,350	3828542	12
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,175	99%	27	1	57	19	C	218	925	16	1	1088	0	0	0	2,163	2352263	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: CFS-2%+2% (VEH constant, CFS -2% for driver types 1 to 5; +2% for driver types 6 to 10, PCFC at default)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	50	1	64	13	B	50	2159	34	1	819	0	0	0	4,648	3804398	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,110	100%	19	1	63	11	B	69	713	11	0	710	0	0	0	1,768	1255260	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,265	100%	7	1	51	18	C	76	344	7	1	1090	0	0	0	555	604950	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,722	100%	75	4	61	19	C	151	4767	78	5	1076	0	0	0	6,685	7200951	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,319	100%	25	1	62	14	B	176	1462	24	1	839	0	0	0	2,291	1922722	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,534	100%	14	4	46	22	C	190	800	17	5	1141	0	0	0	926	1056103	4
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,097	100%	31	1	63	13	B	221	1720	27	1	786	0	0	0	2,890	2270618	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	15	B	231	597	10	1	935	0	0	0	844	789140	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	36	5	58	21	C	267	2818	49	6	1207	0	0	0	3,000	3620250	12
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,064	100%	16	1	62	16	B	284	1159	19	1	1026	0	0	0	1,491	1530139	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,686	100%	10	1	56	19	C	293	597	13	2	1172	0	0	0	785	919628	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,901	98%	27	6	50	23	C	321	1863	37	8	1225	0	0	0	2,014	2467486	9
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,136	97%	16	1	62	13	B	336	851	14	1	784	0	0	0	1,432	1122688	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,826	97%	33	1	63	11	B	370	1635	26	1	707	0	0	0	3,055	2158358	6
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,293	97%	34	2	60	13	B	403	1871	31	2	823	0	0	0	3,000	2469375	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,134	97%	40	1	63	10	A	443	1506	24	1	610	0	0	0	3,726	2271263	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	48	1	63	17	B	48	2706	43	1	905	0	0	0	4,498	4072618	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	35	6	55	22	C	84	2847	48	8	1223	0	0	0	2,800	3425567	12
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	62	17	B	109	1843	30	1	1072	0	0	0	2,271	2433377	7
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,464	99%	17	5	47	26	D	126	1241	27	7	1366	0	0	0	1,200	1639200	6
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,607	99%	45	15	44	37	E	171	3684	83	28	1652	0	0	0	2,800	4624667	20
California Ave Off Ramp to California Ave On Ramp	5,673	5,617	99%	15	2	57	25	C	186	1307	23	3	1404	0	0	0	1,229	1725823	6
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,434	99%	39	14	44	36	E	225	3121	70	24	1608	0	0	0	2,433	3913278	17
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,534	98%	41	2	62	18	C	266	3189	51	2	1134	0	0	0	3,714	4209619	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,594	97%	5	1	50	23	C	271	404	8	2	1399	0	0	0	381	532929	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,874	97%	25	4	54	26	C	297	2230	42	7	1469	0	0	0	2,004	2943041	10
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,393	98%	35	2	62	18	B	332	2654	43	2	1088	0	0	0	3,189	3502319	11
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,856	99%	73	16	53	27	D	405	5191	99	22	1398	0	0	0	5,403	7490663	28
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,824	97%	20	1	62	15	B	424	947	15	1	941	0	0	0	1,770	1666160	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	2,968	98%	10	1	62	14	B	434	502	8	0	989	0	0	0	894	884464	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	3,023	95%	52	2	62	16	B	486	2732	44	2	1008	0	0	0	4,777	4812828	14
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	44	4	55	8	A	44	580	11	1	586	0	0	0	3,523	2064478	5
SR99 On Ramp to H St Off Ramp	3,419	3,419	100%	10	1	58	20	C	54	570	10	1	1150	0	0	0	870	1000355	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	37	3	60	21	C	91	1896	32	3	1224	0	0	0	3,265	3997666	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,562	100%	30	4	56	31	D	121	1671	30	4	1809	0	0	0	2,419	4375165	14
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	61	25	C	138	891	15	1	1534	0	0	0	1,533	2351622	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,226	100%	9	1	58	23	C	147	456	8	1	1620	0	0	0	739	1203092	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,469	100%	75	6	60	29	D	222	4339	73	6	1747	0	0	0	6,567	11470907	36
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	68	3	62	25	C	68	3603	58	3	1533	0	0	0	6,193	9494843	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	61	22	C	85	803	13	1	1351	0	0	0	1,558	2119659	7
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,936	99%	13	1	59	22	C	98	602	10	1	1468	0	0	0	1,082	1588376	4
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,285	100%	25	3	57	27	D	122	1279	22	3	1643	0	0	0	2,060	3383550	10
Chester Ave Off Ramp to H St On Ramp	2,832	2,820	100%	40	2	61	23	C	162	1911	31	2	1410	0	0	0	3,579	5045495	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,286	100%	29	4	56	28	D	191	1464	26	4	1643	0	0	0	2,350	3861050	12
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,190	99%	27	1	57	19	C	218	929	16	1	1095	0	0	0	2,163	2367944	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: CFS-3%+3% (VEH constant, CFS -3% for driver types 1 to 5; +3% for driver types 6 to 10, PCFC at default)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	50	1	64	13	B	50	2158	34	1	818	0	0	0	4,648	3802064	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,106	100%	19	1	63	11	B	69	705	11	0	702	0	0	0	1,768	1241136	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,243	99%	7	1	52	18	B	76	341	7	1	1081	0	0	0	555	599955	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,722	100%	75	4	61	19	C	151	4728	78	5	1067	0	0	0	6,695	7145000	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,319	100%	25	1	62	14	B	176	1460	24	1	839	0	0	0	2,291	1923008	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,534	100%	13	4	47	21	C	189	802	17	4	1144	0	0	0	926	1058881	4
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,097	100%	32	1	63	12	B	221	1709	27	1	781	0	0	0	2,890	2255645	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	14	B	231	594	10	1	929	0	0	0	844	783865	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	37	5	57	21	C	267	2793	49	6	1199	0	0	0	3,000	3597750	12
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,064	100%	16	1	62	17	B	283	1166	19	1	1033	0	0	0	1,491	1539458	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,693	100%	10	1	56	19	C	293	699	13	2	1176	0	0	0	785	922964	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,910	98%	27	6	50	23	C	320	1866	37	8	1227	0	0	0	2,014	2472017	9
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,171	98%	16	1	62	13	B	336	860	14	0	793	0	0	0	1,432	1135216	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,875	98%	33	1	63	11	B	369	1663	26	1	719	0	0	0	3,055	2195781	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,342	98%	34	2	60	14	B	403	1899	32	2	835	0	0	0	3,000	2505125	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,179	99%	40	1	63	10	A	443	1538	24	1	623	0	0	0	3,726	2319701	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	48	1	63	17	B	48	2705	43	1	905	0	0	0	4,498	4071975	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	36	7	54	22	C	85	2861	49	9	1221	0	0	0	2,800	3418567	12
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	62	17	B	110	1833	30	2	1066	0	0	0	2,271	2419751	7
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,482	100%	17	5	48	26	D	127	1246	26	7	1371	0	0	0	1,200	1644600	6
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,584	98%	45	15	45	37	E	172	3672	82	27	1646	0	0	0	2,800	4609033	20
California Ave Off Ramp to California Ave On Ramp	5,673	5,583	98%	15	2	57	24	C	186	1300	23	3	1395	0	0	0	1,229	1715377	6
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,418	98%	37	11	47	34	D	223	3064	66	20	1605	0	0	0	2,433	3903749	16
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,596	99%	41	2	62	18	C	264	3233	52	2	1149	0	0	0	3,714	4267386	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,704	99%	6	1	47	25	C	269	412	9	2	1426	0	0	0	381	543306	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,972	99%	26	5	53	27	D	295	2273	43	8	1493	0	0	0	2,004	2991805	10
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,448	99%	35	1	62	18	B	330	2586	43	2	1112	0	0	0	3,189	3545769	11
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,895	99%	73	16	53	28	D	404	5244	100	22	1398	0	0	0	5,403	7555710	28
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,839	98%	19	1	62	15	B	423	952	15	1	946	0	0	0	1,770	1675010	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	2,984	98%	10	0	62	14	B	433	505	8	0	995	0	0	0	894	889232	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	3,052	96%	52	2	62	16	B	485	2760	44	2	1017	0	0	0	4,777	4859801	14
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	43	4	55	8	A	43	566	10	1	573	0	0	0	3,523	2017505	5
SR99 On Ramp to H St Off Ramp	3,419	3,419	100%	10	1	58	20	C	53	558	10	1	1146	0	0	0	870	996585	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	37	3	60	21	C	90	1891	31	2	1222	0	0	0	3,265	3889177	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,562	100%	29	4	57	30	D	120	1658	29	4	1798	0	0	0	2,419	4348959	14
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	61	25	C	137	887	14	1	1527	0	0	0	1,533	2340125	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,226	100%	9	1	59	23	C	145	455	8	1	1624	0	0	0	739	1200136	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,469	100%	74	5	60	28	D	220	4332	72	5	1744	0	0	0	6,567	11452027	35
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	88	3	62	25	C	68	3602	58	3	1533	0	0	0	6,193	9491547	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	61	22	C	85	806	13	1	1357	0	0	0	1,558	2129007	7
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,944	100%	13	1	59	22	C	98	603	10	1	1472	0	0	0	1,082	1592704	5
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,289	100%	25	3	56	27	D	123	1281	23	3	1645	0	0	0	2,060	3387670	11
Chester Ave Off Ramp to H St On Ramp	2,832	2,832	100%	40	3	61	24	C	163	1947	32	2	1436	0	0	0	3,579	5140339	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,291	100%	29	4	55	28	D	192	1484	27	4	1664	0	0	0	2,350	3909617	13
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,207	100%	27	1	57	20	C	219	956	17	1	1125	0	0	0	2,163	2432834	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: CFS-4%+4% (VEH constant, CFS -4% for driver types 1 to 5; +4% for driver types 6 to 10, PCFC at default)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	49	1	64	13	B	49	2158	34	1	818	0	0	0	4,648	3802839	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,093	99%	19	1	64	11	A	68	701	11	0	698	0	0	0	1,768	1233475	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,220	99%	7	1	52	18	B	76	338	7	1	1073	0	0	0	555	595700	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,718	100%	75	4	61	19	C	150	4707	77	5	1062	0	0	0	6,695	7111525	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,289	99%	25	1	82	13	B	175	1430	23	1	822	0	0	0	2,291	1883775	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,510	99%	14	4	46	22	C	189	791	17	5	1128	0	0	0	926	1044065	4
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,097	100%	31	1	63	12	B	221	1701	27	1	777	0	0	0	2,890	2245530	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	14	B	230	592	10	1	926	0	0	0	844	781333	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	36	4	58	20	C	266	2762	48	6	1192	0	0	0	3,000	3576000	12
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,064	100%	16	1	62	16	B	283	1160	19	1	1027	0	0	0	1,491	1530884	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,686	100%	10	1	56	19	C	292	697	13	2	1172	0	0	0	785	919628	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,897	98%	27	5	51	23	C	319	1859	36	7	1224	0	0	0	2,014	2465472	9
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,152	98%	16	1	62	13	B	335	855	14	0	788	0	0	0	1,432	1128416	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,837	97%	33	1	63	11	B	368	1642	26	1	709	0	0	0	3,055	2166759	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,299	97%	34	2	60	13	B	402	1874	31	2	825	0	0	0	3,000	2474250	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,131	97%	40	1	63	10	A	442	1504	24	1	609	0	0	0	3,726	2268602	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	49	1	63	17	B	49	2705	43	1	905	0	0	0	4,498	4071333	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	36	6	54	22	C	85	2667	49	9	1225	0	0	0	2,800	3430467	12
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	62	17	B	110	1837	30	1	1068	0	0	0	2,271	2424860	7
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,475	99%	16	4	50	25	C	126	1245	25	6	1369	0	0	0	1,200	1642500	6
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,599	98%	44	13	45	36	E	170	3619	80	25	1659	0	0	0	2,860	4619300	19
California Ave Off Ramp to California Ave On Ramp	5,673	5,594	99%	14	1	59	24	C	184	1302	22	2	1399	0	0	0	1,229	1718757	6
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,377	98%	36	11	47	33	D	220	3047	65	19	1594	0	0	0	2,433	3876608	15
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,555	99%	41	2	62	18	C	261	3204	51	2	1139	0	0	0	3,714	4229318	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,626	98%	5	1	49	24	C	266	406	8	2	1407	0	0	0	381	535877	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,893	98%	26	4	54	26	C	292	2242	42	7	1473	0	0	0	2,004	2952226	10
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,381	98%	35	1	62	18	B	327	2645	43	2	1095	0	0	0	3,189	3492354	11
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,869	99%	74	17	52	28	D	401	5239	100	23	1391	0	0	0	5,403	7516345	28
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,899	100%	20	1	61	16	B	420	981	16	1	975	0	0	0	1,770	1726340	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	3,038	100%	10	0	62	15	B	430	519	8	0	1022	0	0	0	894	913966	3
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	3,135	99%	52	2	62	16	B	483	2835	46	2	1045	0	0	0	4,777	4991965	15
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	43	4	55	8	A	43	564	10	1	569	0	0	0	3,523	2005761	5
SR99 On Ramp to H St Off Ramp	3,419	3,381	99%	10	1	59	19	C	53	556	10	1	1127	0	0	0	870	980490	3
H St Off Ramp to Chester Ave On Ramp	3,003	2,996	100%	37	3	60	21	C	90	1854	31	2	1198	0	0	0	3,265	3912776	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,540	99%	30	4	56	30	D	120	1636	29	4	1770	0	0	0	2,419	4281227	14
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	61	25	C	137	882	14	1	1519	0	0	0	1,533	2327861	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,226	100%	9	1	58	23	C	146	452	8	1	1616	0	0	0	739	1194224	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,468	100%	75	6	60	28	D	220	4306	72	5	1734	0	0	0	6,567	11365536	35
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	68	3	62	25	C	68	3804	58	3	1533	0	0	0	6,193	9496181	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	61	22	C	86	804	13	1	1363	0	0	0	1,558	2123554	7
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,931	99%	13	1	59	22	C	98	601	10	1	1466	0	0	0	1,082	1585671	5
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,276	99%	25	3	56	27	D	123	1277	23	3	1638	0	0	0	2,060	3374280	11
Chester Ave Off Ramp to H St On Ramp	2,832	2,794	99%	40	2	61	23	C	163	1893	31	2	1397	0	0	0	3,579	4998968	16
H St On Ramp to SR99 NB Off Ramp	3,281	3,251	99%	29	4	56	28	D	192	1450	26	3	1626	0	0	0	2,350	3819925	12
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,180	99%	27	1	57	19	C	219	924	16	1	1090	0	0	0	2,163	2357129	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: CFS-5%+5% (VEH constant, CFS -5% for driver types 1 to 5; +5% for driver types 6 to 10, PCFC at default)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	49	1	64	13	B	49	2157	34	1	618	0	0	0	4,648	3802064	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,110	100%	19	1	63	11	B	69	709	11	0	706	0	0	0	1,768	1247619	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,257	100%	7	1	51	18	B	76	342	7	1	1086	0	0	0	555	602545	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,722	100%	75	4	61	19	C	151	4761	78	5	1074	0	0	0	6,695	7192821	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,319	100%	25	1	82	14	B	176	1467	24	1	843	0	0	0	2,291	1931886	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,534	100%	13	3	47	21	C	189	805	17	4	1147	0	0	0	926	1062354	4
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,097	100%	32	1	62	13	B	221	1747	28	1	798	0	0	0	2,890	2305498	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	15	B	231	606	10	1	948	0	0	0	844	799901	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	36	4	58	21	C	267	2828	49	6	1217	0	0	0	3,000	3649500	12
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,064	100%	16	1	62	17	B	283	1182	19	1	1046	0	0	0	1,491	1559959	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,693	100%	10	1	56	19	C	292	708	13	2	1191	0	0	0	785	934739	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,971	100%	27	6	51	24	C	319	1887	37	8	1243	0	0	0	2,014	2503066	9
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,182	99%	16	1	62	13	B	335	863	14	1	796	0	0	0	1,432	1139156	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,882	98%	33	1	63	11	B	368	1608	27	1	721	0	0	0	3,055	2201128	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,342	98%	34	2	60	14	B	402	1899	32	2	836	0	0	0	3,000	2506500	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,099	96%	40	1	63	10	A	443	1481	23	1	600	0	0	0	3,726	2234535	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	48	1	63	17	B	48	2706	43	1	906	0	0	0	4,498	4073260	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	36	6	55	22	C	84	2667	49	8	1228	0	0	0	2,800	3437933	12
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	62	17	B	109	1845	30	1	1072	0	0	0	2,271	2435080	7
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,489	100%	18	5	46	27	D	127	1248	27	8	1372	0	0	0	1,200	1646700	6
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,609	99%	46	15	44	37	E	172	3708	84	28	1652	0	0	0	2,800	4626300	20
California Ave Off Ramp to California Ave On Ramp	5,673	5,513	97%	15	2	55	25	C	187	1283	23	3	1376	0	0	0	1,229	1693869	6
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,334	97%	39	13	45	35	D	226	3096	69	23	1584	0	0	0	2,433	3852656	16
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,480	97%	41	2	62	18	B	267	3151	50	2	1120	0	0	0	3,714	4159680	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,568	97%	5	1	49	23	C	272	402	8	2	1392	0	0	0	381	530352	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,843	97%	26	4	54	25	C	298	2220	41	7	1461	0	0	0	2,004	2927510	10
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,333	97%	35	1	62	17	B	333	2617	42	2	1083	0	0	0	3,189	3454086	10
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,806	98%	58	11	56	25	C	400	5017	90	14	1373	0	0	0	5,403	7416319	26
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,841	98%	19	1	62	15	B	420	952	15	1	947	0	0	0	1,770	1676190	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	2,980	98%	10	0	62	14	B	430	504	8	0	993	0	0	0	894	888040	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	3,054	96%	52	2	63	16	B	482	2762	44	2	1018	0	0	0	4,777	4862986	14
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	43	4	55	8	A	43	577	10	1	583	0	0	0	3,523	2052735	5
SR99 On Ramp to H St Off Ramp	3,419	3,415	100%	10	1	58	20	C	53	564	10	1	1138	0	0	0	870	990205	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	37	3	60	21	C	91	1862	31	2	1204	0	0	0	3,265	3929754	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,562	100%	30	4	56	31	D	121	1649	30	4	1787	0	0	0	2,419	4321544	14
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	61	25	C	138	883	14	1	1521	0	0	0	1,533	2330927	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,226	100%	9	1	58	23	C	146	452	8	1	1617	0	0	0	739	1194594	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,469	100%	75	6	59	28	D	222	4310	72	6	1734	0	0	0	6,567	11388820	35
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	68	3	62	25	C	68	3602	58	3	1533	0	0	0	6,193	9492321	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	62	22	C	85	803	13	1	1361	0	0	0	1,558	2119659	7
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,935	99%	12	1	59	22	C	98	602	10	1	1468	0	0	0	1,082	1587835	4
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,279	99%	25	3	57	27	D	122	1277	22	3	1640	0	0	0	2,060	3377713	10
Chester Ave Off Ramp to H St On Ramp	2,832	2,832	100%	40	2	61	23	C	162	1929	32	2	1423	0	0	0	3,579	5092917	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,291	100%	29	4	56	28	D	191	1470	26	4	1650	0	0	0	2,350	3876325	12
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,207	100%	27	1	57	20	C	218	949	17	1	1119	0	0	0	2,163	2419316	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: CFS-6%+6% (VEH constant, CFS -6% for driver types 1 to 5; +6% for driver types 6 to 10, PCFC at default)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	50	1	64	13	B	50	2158	34	1	818	0	0	0	4,648	3802839	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,110	100%	19	1	63	11	B	69	711	11	0	708	0	0	0	1,768	1251744	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,254	100%	7	2	51	18	C	76	342	7	1	1085	0	0	0	555	601990	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,722	100%	75	4	61	19	C	151	4765	78	5	1076	0	0	0	6,685	7200473	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,319	100%	25	1	62	13	B	176	1449	23	1	634	0	0	0	2,291	1809549	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,534	100%	14	4	47	22	C	190	799	17	5	1139	0	0	0	926	1054946	4
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,097	100%	32	1	62	12	B	221	1697	27	1	775	0	0	0	2,890	2240473	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	14	B	231	591	10	1	925	0	0	0	844	780489	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	36	4	58	20	C	267	2760	48	6	1189	0	0	0	3,000	3566000	11
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,008	99%	16	1	63	16	B	283	1132	18	1	1092	0	0	0	1,491	1493982	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,586	98%	10	1	56	19	C	293	682	12	2	1147	0	0	0	785	900003	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,806	96%	26	5	52	22	C	319	1826	35	7	1202	0	0	0	2,014	2419821	8
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,065	95%	16	0	62	12	B	335	831	13	0	766	0	0	0	1,432	1097270	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,789	95%	33	1	63	11	A	368	1602	25	1	692	0	0	0	3,055	2114824	6
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,226	95%	34	2	60	13	B	402	1833	30	2	807	0	0	0	3,000	2419500	7
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,087	95%	40	1	63	10	A	442	1473	23	1	596	0	0	0	3,726	2221761	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	48	1	63	17	B	48	2705	43	1	905	0	0	0	4,498	4072618	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	36	6	55	22	C	84	2674	49	8	1228	0	0	0	2,800	3438400	12
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	62	17	B	109	1836	30	1	1068	0	0	0	2,271	2424293	7
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,489	100%	17	4	48	26	C	126	1248	26	7	1372	0	0	0	1,200	1646700	6
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,629	99%	44	14	46	36	E	170	3699	81	26	1657	0	0	0	2,800	4640067	19
California Ave Off Ramp to California Ave On Ramp	5,673	5,639	99%	14	1	60	24	C	184	1313	22	2	1410	0	0	0	1,229	1732583	5
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,429	99%	37	11	47	34	D	221	3056	65	19	1607	0	0	0	2,433	3910439	15
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,606	100%	41	2	62	18	C	262	3240	52	2	1152	0	0	0	3,714	4276671	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,700	99%	6	2	46	25	C	267	411	9	2	1425	0	0	0	381	542925	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,968	99%	26	5	52	27	D	293	2271	43	8	1492	0	0	0	2,094	2989801	10
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,454	100%	35	1	62	18	B	328	2690	43	2	1114	0	0	0	3,189	3550952	11
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,923	100%	78	21	51	29	D	406	5380	106	29	1407	0	0	0	5,403	7600091	30
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,888	100%	20	1	61	16	B	426	968	16	1	963	0	0	0	1,770	1703920	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	3,027	100%	10	0	62	15	B	436	512	8	0	1009	0	0	0	894	902046	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	3,096	97%	52	2	62	16	B	488	2799	45	2	1032	0	0	0	4,777	4929068	15
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	44	4	55	8	A	44	568	10	1	574	0	0	0	3,523	2021028	5
SR99 On Ramp to H St Off Ramp	3,419	3,410	100%	10	1	50	20	C	54	563	10	1	1137	0	0	0	870	988755	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	37	3	80	21	C	91	1865	31	2	1205	0	0	0	3,265	3934325	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,562	100%	30	4	56	30	D	120	1645	29	4	1783	0	0	0	2,419	4313077	14
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	61	25	C	138	882	14	1	1520	0	0	0	1,533	2329394	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,226	100%	9	1	57	24	C	146	453	8	1	1619	0	0	0	739	1196072	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,469	100%	75	6	60	29	D	222	4323	73	6	1739	0	0	0	6,567	11422476	35
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	68	3	62	25	C	88	3602	58	3	1533	0	0	0	6,193	9494643	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	61	22	C	85	806	13	1	1366	0	0	0	1,558	2128228	7
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,943	100%	13	1	58	22	C	98	603	10	1	1472	0	0	0	1,082	1592163	5
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,293	100%	25	3	58	27	D	123	1283	23	3	1647	0	0	0	2,060	3391790	11
Chester Ave Off Ramp to H St On Ramp	2,832	2,832	100%	40	3	61	23	C	163	1920	32	2	1417	0	0	0	3,579	5069854	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,283	100%	29	4	55	28	D	192	1464	27	4	1642	0	0	0	2,350	3857917	13
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,207	100%	27	1	57	20	C	219	941	17	1	1109	0	0	0	2,163	2399308	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: CFS-7%+7% (VEH constant, CFS -7% for driver types 1 to 5; +7% for driver types 6 to 10, PCFC at default)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	49	1	64	13	B	49	2159	34	1	819	0	0	0	4,646	3805163	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,100	100%	19	1	53	11	B	68	703	11	0	700	0	0	0	1,768	1237600	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,258	100%	7	1	52	18	B	76	342	7	1	1086	0	0	0	555	602730	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,713	100%	75	4	61	19	C	151	4701	77	4	1061	0	0	0	6,695	7102917	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,316	100%	25	1	62	13	B	176	1442	23	1	829	0	0	0	2,291	1898953	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,534	100%	13	3	49	20	C	189	797	16	4	1136	0	0	0	926	1051705	4
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,097	100%	32	1	62	13	B	220	1725	28	1	788	0	0	0	2,890	2277320	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	14	B	230	598	10	1	935	0	0	0	844	769140	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	36	4	58	21	C	266	2845	49	6	1223	0	0	0	3,000	3667500	12
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,064	100%	16	1	62	17	B	282	1190	19	1	1053	0	0	0	1,491	1589650	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,693	100%	10	1	56	20	C	292	712	13	2	1198	0	0	0	785	940430	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,984	100%	26	5	52	23	C	318	1896	37	7	1246	0	0	0	2,014	2509612	9
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,225	100%	16	1	62	13	B	334	875	14	1	806	0	0	0	1,432	1154550	4
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,928	2,909	99%	33	1	63	12	B	367	1683	27	1	727	0	0	0	3,055	2221749	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,354	98%	34	2	60	14	B	401	1905	32	2	838	0	0	0	3,000	2515125	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,174	99%	40	1	63	10	A	441	1534	24	1	621	0	0	0	3,726	2313846	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	48	1	63	17	B	48	2705	43	1	905	0	0	0	4,498	4071975	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	36	6	55	22	C	84	2661	49	8	1226	0	0	0	2,800	3432100	12
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	62	17	B	109	1836	30	1	1067	0	0	0	2,271	2423725	7
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,459	99%	16	4	50	25	C	126	1241	25	6	1365	0	0	0	1,200	1637700	6
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,625	99%	43	13	46	36	E	169	3532	79	24	1656	0	0	0	2,800	4637500	19
California Ave Off Ramp to California Ave On Ramp	5,673	5,618	99%	15	3	55	26	C	184	1308	24	4	1405	0	0	0	1,229	1726131	6
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	5,518	5,399	98%	40	14	44	36	E	224	3142	71	25	1600	0	0	0	2,433	3892192	17
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,479	97%	41	2	62	19	C	265	3150	51	2	1120	0	0	0	3,714	4158752	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,561	97%	5	1	48	24	C	270	402	8	2	1390	0	0	0	381	529685	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,833	97%	26	5	53	26	C	296	2213	42	8	1458	0	0	0	2,004	2922333	10
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,288	96%	35	1	62	17	B	331	2590	42	2	1072	0	0	0	3,189	3418608	10
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,757	97%	76	19	52	28	D	407	5186	100	25	1359	0	0	0	5,403	7342677	28
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,841	98%	20	1	62	15	B	426	952	15	1	947	0	0	0	1,770	1676190	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	2,979	98%	10	0	62	14	B	436	504	8	0	993	0	0	0	894	887742	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	3,041	96%	52	2	62	16	B	489	2749	44	2	1014	0	0	0	4,777	4842286	14
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	44	4	55	8	A	44	564	10	1	569	0	0	0	3,523	2005761	5
SR99 On Ramp to H St Off Ramp	3,419	3,419	100%	10	1	58	20	C	54	573	10	1	1156	0	0	0	870	1005285	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	38	3	59	21	C	91	1901	32	3	1227	0	0	0	3,265	4007461	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,562	100%	30	4	56	31	D	121	1675	30	4	1313	0	0	0	2,419	4386453	14
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	61	25	C	138	888	15	1	1530	0	0	0	1,533	2345490	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,226	100%	9	1	58	24	C	147	456	8	1	1628	0	0	0	739	1202723	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,469	100%	75	6	60	29	D	222	4342	73	6	1747	0	0	0	6,567	11474191	36
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	68	3	62	25	C	68	3601	58	3	1533	0	0	0	6,193	9490773	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	61	22	C	85	810	13	1	1373	0	0	0	1,558	2139134	7
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,952	100%	13	1	59	22	C	98	607	10	1	1481	0	0	0	1,082	1601901	5
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,296	100%	25	3	57	27	D	122	1289	23	3	1655	0	0	0	2,060	3408270	11
Chester Ave Off Ramp to H St On Ramp	2,832	2,832	100%	40	2	61	23	C	162	1938	32	2	1430	0	0	0	3,579	5117075	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,291	100%	29	4	56	28	D	191	1476	26	4	1655	0	0	0	2,350	3889642	12
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,173	98%	27	1	57	19	C	218	922	16	1	1086	0	0	0	2,163	2349559	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: CFS+10% (VEH constant, CFS+10%, PCFC at default)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	50	1	64	13	B	50	2156	34	1	818	0	0	0	4,648	3800515	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,098	99%	19	1	63	11	B	69	702	11	0	699	0	0	0	1,768	1236421	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,234	99%	7	1	52	17	B	76	340	7	1	1078	0	0	0	555	598290	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,722	100%	75	5	61	19	C	151	4728	78	5	1067	0	0	0	6,695	7144521	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,303	100%	25	1	62	13	B	176	1436	23	1	626	0	0	0	2,291	1891793	6
Ming Ave On Ramp to SR58 EB/White Rd Off Ramp	4,534	4,525	100%	14	4	47	21	C	190	793	17	5	1131	0	0	0	926	1047538	4
SR58 EB/White Rd Off Ramp to White Rd On Ramp	3,097	3,097	100%	32	1	63	12	B	221	1700	27	1	776	0	0	0	2,890	2243363	7
White Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	14	B	231	592	10	1	927	0	0	0	844	782177	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	36	4	58	20	C	267	2790	48	6	1199	0	0	0	3,000	3598250	12
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,052	100%	16	1	63	16	B	283	1144	18	1	1013	0	0	0	1,491	1510383	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,625	99%	10	2	55	19	C	293	688	13	2	1155	0	0	0	785	907656	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,823	97%	28	7	49	24	C	321	1835	38	9	1206	0	0	0	2,014	2428213	9
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,042	94%	16	1	62	12	B	337	825	13	0	761	0	0	0	1,432	1089036	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,770	95%	33	1	63	11	A	370	1603	25	1	693	0	0	0	3,055	2115588	6
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,222	95%	34	2	60	13	B	404	1830	30	2	805	0	0	0	3,000	2416125	7
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,043	93%	40	1	63	9	A	444	1441	23	0	584	0	0	0	3,726	2174919	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	48	2	63	17	B	48	2707	43	1	906	0	0	0	4,498	4073260	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	36	6	54	22	C	85	2665	49	9	1228	0	0	0	2,800	3438167	12
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	62	17	B	110	1851	30	2	1076	0	0	0	2,271	2443596	7
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,503	100%	20	8	41	31	D	130	1251	31	12	1376	0	0	0	1,200	1650900	7
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,593	98%	48	17	42	39	E	178	3701	88	32	1648	0	0	0	2,800	4614867	21
California Ave Off Ramp to California Ave On Ramp	5,673	5,614	99%	20	7	43	33	D	197	1306	31	11	1404	0	0	0	1,229	1724902	8
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,420	98%	44	18	41	40	E	241	3246	79	32	1605	0	0	0	2,433	3904965	18
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,576	99%	41	2	62	18	C	282	3219	52	2	1144	0	0	0	3,714	4248816	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,646	98%	5	1	50	23	C	287	407	8	2	1412	0	0	0	381	537762	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,907	98%	26	5	53	26	D	313	2245	43	6	1477	0	0	0	2,004	2959240	10
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,407	99%	35	1	62	18	B	348	2661	43	2	1102	0	0	0	3,189	3513092	11
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,801	97%	90	33	44	33	D	439	5350	121	45	1372	0	0	0	5,403	7411758	34
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,772	96%	20	1	62	15	B	458	929	15	1	924	0	0	0	1,770	1635480	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	2,914	96%	10	0	62	14	B	468	494	8	0	971	0	0	0	894	868372	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	2,981	94%	52	2	62	15	B	521	2894	43	2	994	0	0	0	4,777	4745950	14
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	44	4	54	8	A	44	575	11	1	581	0	0	0	3,523	2045689	5
SR99 On Ramp to H St Off Ramp	3,419	3,419	100%	10	1	58	20	C	54	567	10	1	1145	0	0	0	870	995860	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	37	3	60	21	C	91	1894	32	2	1224	0	0	0	3,265	3996360	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,562	100%	30	4	55	31	D	121	1667	30	4	1805	0	0	0	2,419	4367101	14
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	61	25	C	138	886	15	1	1527	0	0	0	1,533	2340125	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,226	100%	9	1	58	23	C	147	453	8	1	1620	0	0	0	739	1197180	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,469	100%	75	6	60	29	D	222	4330	73	6	1743	0	0	0	6,567	11445480	36
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	88	3	62	25	C	88	3503	58	3	1533	0	0	0	6,193	9492321	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	61	22	C	86	807	13	1	1367	0	0	0	1,558	2129007	7
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,943	100%	13	1	58	22	C	98	603	10	1	1472	0	0	0	1,082	1592163	5
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,281	100%	25	3	56	27	D	123	1278	23	3	1641	0	0	0	2,060	3379773	11
Chester Ave Off Ramp to H St On Ramp	2,832	2,803	99%	40	3	61	23	C	164	1900	31	2	1402	0	0	0	3,579	5015969	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,261	99%	29	5	55	28	D	193	1456	27	4	1631	0	0	0	2,350	3832067	13
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,169	98%	27	1	57	19	C	220	921	16	1	1085	0	0	0	2,163	2345774	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: CFS+20% (VEH constant, CFS+20%, PCFC at default)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	50	1	64	13	B	50	2158	34	1	818	0	0	0	4,648	3803613	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,077	98%	19	1	63	11	A	69	695	11	0	692	0	0	0	1,768	1224045	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,227	99%	7	1	53	17	B	76	339	6	1	1076	0	0	0	555	596995	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,683	99%	75	5	61	19	C	151	4661	77	5	1052	0	0	0	6,695	7044096	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,300	99%	25	1	62	13	B	176	1436	23	1	825	0	0	0	2,291	1890075	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,510	99%	15	5	42	24	C	191	791	19	6	1128	0	0	0	926	1044065	4
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,090	100%	32	1	62	12	B	223	1691	27	1	773	0	0	0	2,890	2232525	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	14	B	233	588	10	1	920	0	0	0	844	776269	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	37	5	57	20	C	269	2777	48	6	1191	0	0	0	3,000	3574250	12
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,064	100%	16	1	62	16	B	286	1151	18	1	1019	0	0	0	1,491	1518584	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,665	99%	10	2	55	19	C	295	693	13	2	1166	0	0	0	785	915506	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,880	98%	28	7	48	24	C	324	1660	39	10	1220	0	0	0	2,014	2456912	9
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,173	98%	16	1	62	13	B	340	860	14	1	793	0	0	0	1,432	1135934	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,876	98%	33	1	63	11	B	373	1664	26	1	719	0	0	0	3,055	2196545	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,343	98%	35	3	59	14	B	407	1899	32	3	836	0	0	0	3,000	2506875	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,123	97%	40	1	63	10	A	448	1498	24	1	607	0	0	0	3,726	2260095	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	49	2	63	17	B	49	2706	43	1	905	0	0	0	4,498	4071975	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	38	8	53	23	C	86	2700	51	11	1226	0	0	0	2,800	3437700	12
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	26	2	61	18	B	112	1854	31	2	1078	0	0	0	2,271	2447570	8
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,509	100%	28	15	29	43	E	140	1255	43	23	1380	1	31	12	1,200	1656300	10
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,629	99%	51	20	40	42	E	191	3765	94	37	1657	0	0	0	2,800	4640067	22
California Ave Off Ramp to California Ave On Ramp	5,673	5,655	100%	19	6	44	32	D	210	1316	30	10	1414	0	0	0	1,229	1737499	7
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,516	6,422	99%	45	18	41	40	E	254	3282	79	33	1606	0	0	0	2,433	3906182	18
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,531	98%	41	2	62	18	C	295	3187	52	2	1133	0	0	0	3,714	4207034	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,620	98%	5	1	48	24	C	301	405	8	2	1405	0	0	0	381	535305	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,906	98%	27	5	51	27	D	327	2252	44	9	1477	0	0	0	2,004	2959073	10
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,377	98%	35	2	62	18	B	363	2644	43	2	1094	0	0	0	3,189	3489563	11
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,843	98%	76	20	51	29	D	439	5214	103	26	1384	0	0	0	5,403	7475436	29
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,890	100%	19	1	62	16	B	458	959	16	1	963	0	0	0	1,770	1705100	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	3,029	100%	10	1	62	15	B	468	513	8	0	1010	0	0	0	894	902642	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	3,102	98%	52	2	62	16	B	521	2804	45	2	1034	0	0	0	4,777	4939418	15
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	44	5	54	8	A	44	571	11	1	578	0	0	0	3,523	2025725	5
SR99 On Ramp to H St Off Ramp	3,419	3,419	100%	10	1	58	20	C	55	569	10	1	1147	0	0	0	870	998035	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	38	3	59	22	C	92	1907	32	3	1231	0	0	0	3,265	4019868	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,562	100%	31	5	54	32	D	123	1667	31	5	1808	0	0	0	2,419	4372746	15
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	61	25	C	140	892	15	1	1537	0	0	0	1,533	2355455	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,226	100%	9	1	59	24	C	149	459	8	1	1638	0	0	0	739	1210482	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,469	100%	75	6	59	29	D	224	4336	73	6	1744	0	0	0	6,567	11455311	36
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	68	3	62	25	C	88	3601	58	3	1532	0	0	0	6,193	9489998	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,690	100%	17	1	61	22	C	86	794	13	1	1345	0	0	0	1,558	2095510	6
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,901	98%	13	1	58	22	C	99	595	10	1	1451	0	0	0	1,082	1569441	4
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,253	99%	25	4	55	27	D	124	1289	23	3	1627	0	0	0	2,060	3350933	11
Chester Ave Off Ramp to H St On Ramp	2,832	2,785	98%	40	3	61	23	C	164	1888	31	2	1393	0	0	0	3,579	4983758	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,239	98%	30	5	54	28	D	194	1446	27	4	1620	0	0	0	2,350	3805825	13
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,159	98%	27	2	56	19	C	221	917	16	1	1080	0	0	0	2,163	2334959	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: CFS+30% (VEH constant, CFS+30%, PCFC at default)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	50	1	64	13	B	50	2159	34	1	818	0	0	0	4,648	3803613	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,089	99%	19	1	63	11	B	69	700	11	0	696	0	0	0	1,768	1231117	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,256	100%	7	1	52	18	B	76	342	7	1	1085	0	0	0	555	602360	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,705	100%	75	5	60	19	C	151	4690	78	5	1059	0	0	0	6,695	7087136	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,319	100%	25	1	62	13	B	177	1446	23	1	831	0	0	0	2,291	1903535	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,534	100%	15	5	43	24	C	192	799	19	6	1138	0	0	0	926	1054020	4
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,085	100%	32	1	62	12	B	223	1688	27	1	771	0	0	0	2,890	2228913	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	14	B	233	587	10	1	917	0	0	0	844	773948	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	37	5	57	21	C	270	2787	49	7	1193	0	0	0	3,000	3577500	12
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,035	99%	16	1	62	16	B	286	1140	18	1	1009	0	0	0	1,491	1504046	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,614	98%	10	2	54	19	C	296	686	13	2	1154	0	0	0	785	905498	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,839	97%	30	9	46	25	C	326	1848	40	12	1210	0	0	0	2,014	2436437	10
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,094	96%	16	1	62	13	B	342	839	14	1	774	0	0	0	1,432	1107652	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,785	95%	33	1	83	11	B	375	1612	26	1	696	0	0	0	3,055	2127044	6
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,252	95%	34	3	60	13	B	409	1848	31	2	813	0	0	0	3,000	2438625	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,132	97%	40	1	63	10	A	449	1505	24	1	609	0	0	0	3,726	2269666	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	49	2	63	17	B	49	2706	43	1	905	0	0	0	4,498	4072618	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	39	10	50	24	C	88	2708	54	13	1225	0	0	0	2,800	3428600	13
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	27	3	57	19	C	115	1833	32	4	1065	0	0	0	2,271	2419183	8
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,450	99%	36	22	23	54	F	151	1239	54	34	1363	2	31	23	1,200	1635000	12
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,559	98%	52	22	39	43	E	203	3724	96	40	1640	1	93	3	2,800	4591360	23
California Ave Off Ramp to California Ave On Ramp	5,673	5,570	98%	24	11	35	39	E	227	1296	37	17	1393	1	32	4	1,229	1711383	9
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,327	97%	46	20	40	40	E	273	3270	81	35	1562	0	0	0	2,433	3848398	19
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,553	99%	41	2	61	19	C	314	3202	52	3	1138	0	0	0	3,714	4227461	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,608	98%	6	2	40	28	D	321	405	10	4	1402	0	0	0	381	534162	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,907	98%	29	7	48	29	D	349	2272	47	12	1477	0	0	0	2,004	2959407	11
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,309	96%	35	2	62	17	B	385	2601	42	2	1077	0	0	0	3,189	3434952	11
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,768	97%	87	30	46	32	D	472	5358	115	40	1362	0	0	0	5,403	7359658	32
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,783	96%	20	1	62	15	B	491	933	15	1	928	0	0	0	1,770	1641970	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	2,927	96%	10	0	62	14	B	501	495	8	0	976	0	0	0	894	872246	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	2,995	94%	52	2	62	16	B	553	2708	43	2	998	0	0	0	4,777	4769038	14
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	45	5	54	8	A	45	548	10	1	552	0	0	0	3,523	1943522	5
SR99 On Ramp to H St Off Ramp	3,419	3,380	99%	10	1	58	20	C	55	558	10	1	1127	0	0	0	870	980200	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	38	3	59	21	C	93	1866	32	3	1205	0	0	0	3,265	3934325	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,560	100%	32	6	53	32	D	124	1639	31	6	1760	0	0	0	2,419	4306223	15
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	60	25	C	142	886	15	1	1526	0	0	0	1,533	2338592	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,226	100%	9	1	56	24	C	151	455	8	1	1626	0	0	0	739	1201245	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,469	100%	76	7	59	29	D	227	4327	74	7	1741	0	0	0	6,567	11430684	36
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	69	4	62	25	C	69	3602	58	3	1532	0	0	0	6,193	9489224	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	61	22	C	86	805	13	1	1365	0	0	0	1,558	2125891	7
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,937	99%	13	1	58	22	C	99	602	10	1	1469	0	0	0	1,082	1588917	5
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,282	100%	26	4	54	28	D	125	1281	24	4	1641	0	0	0	2,060	3380117	11
Chester Ave Off Ramp to H St On Ramp	2,832	2,832	100%	40	3	60	23	C	165	1922	32	2	1417	0	0	0	3,579	5072338	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,277	100%	30	5	54	29	D	195	1461	27	4	1638	0	0	0	2,350	3850083	13
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,173	98%	27	2	56	19	C	222	922	16	1	1087	0	0	0	2,163	2350100	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: CFS+40% (VEH constant, CFS+40%, PCFC at default)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vph)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	50	1	64	13	B	50	2159	34	1	819	0	0	0	4,648	3804388	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,103	100%	19	1	63	11	B	69	704	11	0	701	0	0	0	1,768	1239968	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,248	99%	7	1	51	18	B	76	341	7	1	1083	0	0	0	555	600880	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,722	100%	76	6	60	19	C	152	4730	79	6	1068	0	0	0	6,695	7148825	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,316	100%	25	1	62	13	B	177	1443	23	1	829	0	0	0	2,291	1898953	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,534	100%	15	5	41	24	C	193	796	19	7	1134	0	0	0	926	1050084	4
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,097	100%	32	1	62	13	B	224	1704	27	1	779	0	0	0	2,890	2249665	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	15	B	234	592	10	1	927	0	0	0	844	781966	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	37	5	57	21	C	271	2806	49	7	1199	0	0	0	3,000	3597250	12
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,064	100%	16	1	62	16	B	287	1161	19	1	1028	0	0	0	1,491	1532748	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,682	100%	10	2	53	20	C	297	696	13	2	1171	0	0	0	785	918843	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,900	98%	32	11	43	27	D	329	1869	43	14	1225	0	0	0	2,014	2467318	10
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,215	100%	16	1	61	13	B	345	872	14	1	804	0	0	0	1,432	1150970	4
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,887	99%	33	1	63	12	B	378	1670	27	1	722	0	0	0	3,055	2204946	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,344	98%	35	3	59	14	B	413	1900	32	3	836	0	0	0	3,000	2508000	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,098	95%	40	1	63	10	A	453	1481	23	1	599	0	0	0	3,726	2232939	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	49	2	63	17	B	49	2707	43	1	905	0	0	0	4,498	4072618	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	40	10	50	25	C	89	2729	55	14	1225	0	0	0	2,800	3430467	13
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	31	7	50	21	C	120	1832	37	9	1065	0	0	0	2,271	2419183	9
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,365	97%	42	29	20	62	F	162	1220	63	42	1341	2	30	32	1,200	1609500	14
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,427	96%	61	30	33	48	F	223	3550	108	53	1607	1	89	19	2,800	4498900	26
California Ave Off Ramp to California Ave On Ramp	5,673	5,353	94%	40	27	21	63	F	262	1246	59	40	1338	2	31	28	1,229	1644709	15
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,093	93%	48	22	40	41	E	311	3247	82	37	1523	1	81	1	2,433	3705865	19
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,321	93%	41	2	61	18	B	352	3039	50	3	1080	0	0	0	3,714	4012049	12
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,336	93%	6	2	46	24	C	358	385	9	2	1334	0	0	0	381	508254	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,602	93%	29	8	48	27	D	386	2134	45	12	1401	0	0	0	2,004	2806602	10
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,163	93%	35	2	62	17	B	422	2514	41	2	1041	0	0	0	3,189	3318553	10
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,643	94%	80	23	50	29	D	501	5154	103	29	1326	0	0	0	5,403	7166694	29
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,748	95%	19	1	62	15	B	521	921	15	1	916	0	0	0	1,770	1621320	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	2,883	95%	10	0	62	14	B	531	488	8	0	961	0	0	0	894	859134	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	2,936	92%	52	2	62	15	B	583	2653	43	2	979	0	0	0	4,777	4675091	14
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	45	6	53	8	A	45	573	11	1	575	0	0	0	3,523	2026899	5
SR99 On Ramp to H St Off Ramp	3,419	3,357	98%	10	1	58	19	C	56	554	10	1	1119	0	0	0	870	973530	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	38	4	59	21	C	94	1862	32	3	1202	0	0	0	3,265	3923224	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,541	99%	31	6	53	32	D	125	1633	31	6	1770	0	0	0	2,419	4282436	15
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	2,978	99%	17	1	61	25	C	142	864	14	1	1489	0	0	0	1,533	2282837	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,166	98%	9	1	58	23	C	151	443	8	1	1583	0	0	0	739	1169637	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,398	98%	76	7	59	28	D	227	4225	72	6	1699	0	0	0	6,567	11157333	35
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	69	4	62	25	C	69	3604	58	3	1533	0	0	0	6,193	9496191	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	61	22	C	86	800	13	1	1356	0	0	0	1,558	2112648	7
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,921	99%	13	1	58	22	C	99	596	10	1	1461	0	0	0	1,082	1580261	5
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,266	99%	26	5	53	28	D	125	1275	24	4	1633	0	0	0	2,060	3363980	11
Chester Ave Off Ramp to H St On Ramp	2,832	2,787	98%	40	3	61	23	C	165	1889	31	2	1393	0	0	0	3,579	4986442	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,233	98%	30	5	54	28	D	195	1442	27	4	1617	0	0	0	2,350	3799167	13
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,136	97%	27	2	56	19	C	222	906	16	1	1068	0	0	0	2,163	2309543	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: CFS+50% (VEH constant, CFS+50%, PCFC at default)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	50	1	64	13	B	50	2159	34	1	819	0	0	0	4,648	3805163	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,088	99%	19	1	63	11	B	69	699	11	0	696	0	0	0	1,768	1230528	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,231	99%	7	1	53	17	B	76	340	6	1	1077	0	0	0	555	597735	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,713	100%	76	6	60	19	C	152	4699	78	6	1661	0	0	0	6,695	7101482	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,310	100%	26	2	61	14	B	177	1444	24	2	828	0	0	0	2,291	1895803	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,522	100%	17	7	37	27	D	195	793	22	9	1131	1	20	2	926	1046843	5
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,097	100%	32	1	62	13	B	226	1706	27	1	779	0	0	0	2,890	2252033	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	14	B	236	593	10	1	928	0	0	0	844	783443	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	37	6	57	21	C	273	2786	49	7	1190	0	0	0	3,000	3569750	12
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,064	100%	16	1	62	16	B	290	1148	18	1	1016	0	0	0	1,491	1515229	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,617	98%	14	6	39	27	D	303	686	18	7	1154	1	17	1	785	906086	4
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,930	4,848	97%	36	14	39	30	D	339	1873	48	19	1212	1	47	1	2,014	2440968	12
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,180	98%	16	1	61	13	B	355	862	14	1	795	0	0	0	1,432	1138440	4
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,902	99%	33	1	63	12	B	388	1679	27	1	726	0	0	0	3,055	2216403	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,289	97%	35	3	59	14	B	423	1869	32	3	822	0	0	0	3,000	2466750	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,090	95%	40	1	63	10	A	463	1475	23	1	697	0	0	0	3,726	2224422	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	49	2	63	17	B	49	2710	43	2	906	0	0	0	4,498	4073250	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	42	12	48	26	C	91	2751	57	17	1222	0	0	0	2,800	3421133	14
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	46	22	33	32	D	137	1843	55	27	1072	1	46	9	2,271	2433377	14
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,137	93%	48	35	17	69	F	165	1168	69	49	1284	2	29	40	1,200	1541100	16
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,143	92%	71	40	27	55	F	256	3296	120	68	1536	1	82	38	2,800	4299867	29
California Ave Off Ramp to California Ave On Ramp	5,673	5,184	91%	57	44	15	88	F	313	1207	82	63	1296	3	30	52	1,229	1592784	20
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	5,943	91%	49	23	40	40	E	362	3244	81	37	1485	0	0	0	2,433	3614830	18
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,292	93%	41	2	61	18	B	403	3019	49	3	1073	0	0	0	3,714	3985122	12
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,375	94%	7	3	39	28	D	410	388	10	4	1344	1	10	0	381	511969	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,649	94%	29	8	48	28	D	439	2175	46	12	1412	0	0	0	2,004	2829982	11
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,153	93%	39	5	57	18	C	478	2548	44	6	1038	0	0	0	3,189	3310979	11
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,444	90%	128	71	31	47	F	606	4985	158	88	1270	1	125	34	5,403	6859880	48
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,550	88%	19	1	62	14	B	625	855	14	1	850	0	0	0	1,770	1504500	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,039	2,690	89%	10	0	62	13	B	635	455	7	0	897	0	0	0	894	801620	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	2,766	87%	52	2	62	14	B	687	2499	40	1	922	0	0	0	4,777	4404394	13
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	46	7	52	8	A	46	571	11	2	573	0	0	0	3,523	2017505	6
SR99 On Ramp to H St Off Ramp	3,419	3,289	96%	10	1	57	19	C	57	543	9	1	1096	0	0	0	870	953810	3
H St Off Ramp to Chester Ave On Ramp	3,003	2,910	97%	38	4	59	21	C	95	1803	31	3	1164	0	0	0	3,265	3800460	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,459	97%	32	7	51	32	D	127	1596	31	7	1730	0	0	0	2,419	4183661	15
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	2,940	98%	17	1	60	24	C	144	854	14	1	1470	0	0	0	1,533	2253510	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,130	97%	9	1	57	23	C	153	438	8	1	1565	0	0	0	739	1156535	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,364	97%	77	8	58	28	D	230	4192	72	7	1882	0	0	0	6,567	11045694	35
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	68	4	61	25	C	69	3603	59	3	1533	0	0	0	6,193	9404643	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,700	100%	17	1	61	22	C	86	797	13	1	1350	0	0	0	1,558	2103300	7
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,910	99%	13	1	58	22	C	99	596	10	1	1455	0	0	0	1,082	1574310	5
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,259	99%	26	5	53	28	D	126	1273	24	4	1629	0	0	0	2,080	3356427	11
Chester Ave Off Ramp to H St On Ramp	2,832	2,792	99%	41	3	60	23	C	166	1893	31	2	1396	0	0	0	3,579	4986284	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,256	99%	31	7	51	30	D	198	1450	28	6	1628	0	0	0	2,350	3825408	14
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,199	100%	27	2	56	20	C	225	932	17	1	1099	0	0	0	2,163	2377678	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: CFS+60% (VEH constant, CFS+60%, PCFC at default)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	50	1	64	13	B	50	2159	34	1	819	0	0	0	4,648	3805163	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,110	100%	19	1	63	11	B	69	708	11	0	705	0	0	0	1,768	1245851	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,263	100%	7	1	52	18	B	76	343	7	1	1088	0	0	0	555	603655	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,722	100%	76	6	60	19	C	152	4747	79	6	1072	0	0	0	6,635	7173693	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,319	100%	26	2	61	14	B	178	1451	24	1	833	0	0	0	2,291	1907544	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,534	100%	17	7	37	27	D	195	796	21	8	1134	1	20	1	926	1050316	5
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,082	100%	35	4	56	14	B	230	1687	30	3	771	0	0	0	2,880	2226745	8
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,215	88%	21	8	27	27	D	251	514	19	7	804	1	13	6	844	678365	4
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,032	85%	89	47	24	43	E	340	2334	99	53	1008	2	58	41	3,000	3024250	24
California Ave Off Ramp to California Ave Loop On Ramp	4,064	3,484	86%	93	71	11	80	F	433	984	90	59	871	4	25	86	1,491	1298661	23
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	3,425	73%	58	42	9	84	F	491	509	55	40	856	4	13	42	785	672155	13
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	3,697	74%	67	40	21	44	E	557	1426	68	41	924	2	36	33	2,014	1861440	17
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	2,512	78%	16	1	61	10	A	574	681	11	1	628	0	0	0	1,432	899296	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,274	78%	33	1	63	9	A	607	1316	21	1	569	0	0	0	3,055	1736768	5
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	2,604	76%	34	3	60	11	A	641	1460	25	2	651	0	0	0	3,000	1953000	6
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	1,656	75%	40	1	63	8	A	681	1169	18	0	473	0	0	0	3,726	1762930	5
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	49	2	63	17	B	49	2710	43	2	906	0	0	0	4,498	4073903	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	43	13	47	26	D	92	2777	59	18	1223	0	0	0	2,800	3424633	14
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,226	100%	53	28	29	36	E	145	1818	62	33	1057	1	45	17	2,271	2399312	16
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	4,819	87%	56	41	15	74	F	201	1095	75	55	1205	3	27	47	1,200	1445700	17
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	5,498	82%	97	65	19	69	F	298	2878	148	100	1374	2	72	76	2,800	3848367	36
California Ave Off Ramp to California Ave On Ramp	5,673	4,720	83%	64	51	13	90	F	362	1098	84	67	1180	3	27	57	1,229	1450220	21
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	5,508	84%	49	22	40	37	E	411	3028	75	34	1377	0	0	0	2,433	3350038	17
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	3,916	85%	41	2	62	16	B	452	2754	45	2	979	0	0	0	3,714	3636006	11
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,021	87%	6	2	46	22	C	458	353	8	2	1265	0	0	0	381	478250	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,280	88%	28	7	49	25	C	486	2027	42	10	1320	0	0	0	2,004	2645280	10
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	3,889	87%	35	2	62	16	B	521	2349	38	2	972	0	0	0	3,189	3109505	9
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,339	88%	74	17	52	25	C	595	4642	89	20	1240	0	0	0	5,403	6697790	26
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,580	89%	19	1	62	14	B	615	865	14	1	860	0	0	0	1,770	1522200	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	2,724	90%	10	0	62	13	B	625	461	7	0	908	0	0	0	894	811752	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	2,801	88%	52	2	62	15	B	677	2532	41	2	934	0	0	0	4,777	4459330	13
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	46	6	52	8	A	46	572	11	2	575	0	0	0	3,523	2024551	6
SR99 On Ramp to H St Off Ramp	3,419	3,221	94%	10	1	57	19	C	56	532	9	1	1074	0	0	0	870	933945	3
H St Off Ramp to Chester Ave On Ramp	3,003	2,843	95%	38	4	58	20	C	95	1762	30	3	1137	0	0	0	3,265	3712305	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,395	95%	34	8	49	33	D	129	1568	32	8	1698	0	0	0	2,419	4106656	15
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	2,911	97%	18	2	59	25	C	146	845	14	1	1456	0	0	0	1,533	2231282	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,110	96%	9	1	56	23	C	155	435	8	1	1555	0	0	0	739	1149145	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,346	96%	77	8	58	28	D	233	4170	72	8	1673	0	0	0	6,567	10986591	35
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	69	4	61	25	C	69	3606	59	4	1534	0	0	0	6,193	9499288	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	18	1	60	23	C	87	802	13	1	1359	0	0	0	1,558	2117322	7
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,931	99%	13	2	57	23	C	100	600	11	1	1466	0	0	0	1,082	1585671	5
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,273	99%	28	6	51	30	D	128	1279	25	5	1637	0	0	0	2,060	3371533	12
Chester Ave Off Ramp to H St On Ramp	2,832	2,803	99%	41	4	59	24	C	169	1900	32	3	1401	0	0	0	3,579	5015074	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,246	99%	31	7	51	30	D	200	1447	28	6	1623	0	0	0	2,350	3814050	13
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,184	99%	27	2	56	20	C	227	925	17	1	1092	0	0	0	2,163	2361455	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: CFS-10% (VEH constant, CFS-10%, PCFC at default)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	49	1	64	13	B	49	2157	34	1	818	0	0	0	4,648	3802064	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,100	100%	19	1	63	11	B	58	703	11	0	700	0	0	0	1,768	1237600	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,235	99%	7	1	52	18	B	76	340	7	1	1078	0	0	0	555	598475	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,722	100%	75	4	61	19	C	150	4733	77	4	1088	0	0	0	6,695	7150738	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,319	100%	25	1	62	13	B	175	1451	23	1	834	0	0	0	2,291	1910694	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,534	100%	13	3	49	20	C	188	802	16	4	1143	0	0	0	926	1058187	4
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,097	100%	31	1	63	13	B	220	1721	28	1	766	0	0	0	2,899	2272263	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	14	B	229	599	10	1	937	0	0	0	844	790828	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	36	4	59	20	C	265	2780	47	5	1198	0	0	0	3,000	3595250	11
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,064	100%	16	1	62	16	B	281	1149	18	1	1018	0	0	0	1,491	1517093	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,651	99%	10	1	56	19	C	291	691	12	2	1163	0	0	0	785	912759	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,865	97%	26	5	53	22	C	317	1847	35	6	1216	0	0	0	2,014	2449360	8
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,114	96%	16	1	62	12	B	332	845	14	0	779	0	0	0	1,432	1114812	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,800	96%	33	1	63	11	B	365	1620	26	1	700	0	0	0	3,055	2138500	6
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,270	96%	34	2	60	13	B	399	1858	31	2	818	0	0	0	3,000	2452500	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,006	91%	40	1	63	9	A	439	1417	22	0	574	0	0	0	3,726	2137127	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	49	1	63	17	B	49	2706	43	1	905	0	0	0	4,498	4072618	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	36	6	55	22	C	84	2671	49	8	1228	0	0	0	2,800	3439567	12
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	62	17	B	109	1836	30	1	1067	0	0	0	2,271	2423157	7
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,502	100%	16	3	52	24	C	125	1250	24	5	1376	0	0	0	1,200	1650600	5
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,644	99%	42	12	47	35	D	167	3837	77	21	1661	0	0	0	2,800	4651033	18
California Ave Off Ramp to California Ave On Ramp	5,673	5,611	99%	14	1	58	24	C	181	1306	22	2	1403	0	0	0	1,229	1723980	6
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,436	99%	36	10	49	33	D	217	3060	64	18	1609	0	0	0	2,433	3914494	15
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,615	100%	41	2	62	19	C	258	3246	52	2	1154	0	0	0	3,714	4285028	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,683	99%	6	2	41	28	D	264	410	10	3	1421	0	0	0	381	541306	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,975	99%	34	13	40	35	D	298	2245	56	21	1494	1	56	0	2,004	2993308	13
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,306	96%	35	2	62	17	B	333	2598	42	2	1076	0	0	0	3,189	3432560	11
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,770	97%	66	9	57	25	C	399	4953	88	12	1363	0	0	0	5,403	7362745	25
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,755	95%	19	1	62	15	B	419	924	15	1	918	0	0	0	1,770	1625450	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	2,891	95%	10	0	62	14	B	428	489	8	0	964	0	0	0	994	861518	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	2,967	93%	52	2	62	15	B	481	2682	43	2	989	0	0	0	4,777	4724453	14
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	43	4	55	8	A	43	572	10	1	578	0	0	0	3,523	2036294	5
SR99 On Ramp to H St Off Ramp	3,419	3,419	100%	10	1	59	20	C	53	567	10	1	1146	0	0	0	870	996585	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	37	3	60	21	C	90	1681	31	2	1216	0	0	0	3,285	3969587	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,562	100%	29	3	57	30	D	119	1652	29	3	1792	0	0	0	2,419	4334445	14
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	61	25	C	136	880	14	1	1517	0	0	0	1,533	2324795	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,225	100%	9	1	58	23	C	145	451	8	1	1613	0	0	0	739	1191638	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,464	100%	74	5	60	28	D	219	4302	72	5	1732	0	0	0	6,567	11372402	35
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	68	3	62	25	C	68	3803	58	2	1533	0	0	0	6,193	9493869	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	61	22	C	85	800	13	1	1356	0	0	0	1,558	2111869	7
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,927	99%	13	1	59	22	C	98	600	10	1	1464	0	0	0	1,082	1583507	4
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,272	99%	25	3	57	27	D	122	1274	22	2	1636	0	0	0	2,060	3370503	10
Chester Ave Off Ramp to H St On Ramp	2,832	2,803	99%	40	2	61	23	C	162	1900	31	2	1401	0	0	0	3,579	5015074	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,252	99%	29	4	56	27	D	191	1452	26	3	1626	0	0	0	2,350	3821482	12
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,187	99%	27	1	57	19	C	218	929	16	1	1094	0	0	0	2,163	2365241	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: CFS-20% (VEH constant, CFS-20%, PCFC at default)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	49	1	64	13	B	49	2158	34	1	818	0	0	0	4,648	3802839	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,110	100%	19	1	63	11	B	68	709	11	0	706	0	0	0	1,768	1248208	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,265	100%	7	1	51	18	B	76	345	7	1	1092	0	0	0	555	606245	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,722	100%	74	4	61	19	C	150	4733	77	4	1058	0	0	0	6,695	7150738	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,319	100%	25	1	62	14	B	175	1466	24	1	843	0	0	0	2,291	1931599	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,534	100%	13	3	49	21	C	188	805	16	4	1148	0	0	0	926	1062585	4
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,097	100%	31	1	63	12	B	219	1712	27	1	782	0	0	0	2,890	2259980	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	14	B	229	593	10	1	927	0	0	0	844	782388	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	36	4	58	20	C	285	2791	48	6	1202	0	0	0	3,000	3605500	12
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,064	100%	16	1	63	16	B	281	1161	19	1	1028	0	0	0	1,491	1532375	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,693	100%	10	1	55	19	C	291	699	13	2	1175	0	0	0	785	922375	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,921	99%	26	4	53	22	C	317	1869	35	6	1230	0	0	0	2,014	2477891	8
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,154	98%	16	1	63	13	B	332	855	14	0	789	0	0	0	1,432	1129132	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,822	96%	33	1	63	11	B	365	1633	26	1	706	0	0	0	3,055	2155303	6
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,281	96%	34	2	61	13	B	399	1864	31	2	820	0	0	0	3,000	2460750	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,050	93%	40	1	63	9	A	439	1446	23	0	586	0	0	0	3,726	2181839	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	48	1	64	17	B	48	2704	43	1	905	0	0	0	4,498	4070047	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	35	6	56	22	C	83	2864	48	7	1227	0	0	0	2,800	3434200	12
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	62	17	B	108	1843	30	1	1071	0	0	0	2,271	2432809	7
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,509	100%	15	2	55	23	C	123	1253	23	3	1378	0	0	0	1,200	1653000	5
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,670	100%	39	9	50	33	D	162	3591	72	17	1668	0	0	0	2,800	4669000	17
California Ave Off Ramp to California Ave On Ramp	5,673	5,657	100%	14	1	61	23	C	176	1316	22	1	1414	0	0	0	1,229	1738113	5
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,461	99%	34	8	50	32	D	210	3034	61	15	1615	0	0	0	2,433	3929903	15
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,561	99%	41	1	62	18	C	250	3208	51	2	1140	0	0	0	3,714	4234889	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,628	98%	5	1	49	24	C	256	406	6	2	1407	0	0	0	381	536067	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,905	98%	25	4	54	26	C	281	2238	42	7	1476	0	0	0	2,004	2958238	10
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,387	98%	35	1	63	18	B	316	2649	42	2	1097	0	0	0	3,189	3497536	11
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,862	99%	77	20	52	29	D	393	5447	104	28	1389	0	0	0	5,403	7505153	29
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,803	97%	20	1	61	15	B	413	940	15	1	934	0	0	0	1,770	1653770	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	2,938	97%	10	0	62	14	B	423	497	8	0	979	0	0	0	894	875524	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	3,011	95%	52	2	62	16	B	475	2723	44	2	1004	0	0	0	4,777	4793720	14
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	43	4	55	8	A	43	559	10	1	564	0	0	0	3,523	1988146	5
SR99 On Ramp to H St Off Ramp	3,419	3,419	100%	10	1	58	20	C	53	591	10	1	1191	0	0	0	870	1036170	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	37	3	60	22	C	90	1974	33	2	1276	0	0	0	3,285	4166140	14
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,562	100%	30	4	56	32	D	120	1725	31	4	1868	0	0	0	2,419	4518289	14
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	61	26	C	137	910	15	1	1566	0	0	0	1,533	2400678	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,226	100%	9	1	59	24	C	146	467	8	1	1669	0	0	0	739	1233391	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,469	100%	74	5	60	29	D	220	4442	74	5	1788	0	0	0	6,567	11738513	36
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	68	3	62	25	C	68	3601	58	2	1532	0	0	0	6,193	9488224	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	62	22	C	85	805	13	1	1365	0	0	0	1,558	2125891	7
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,942	100%	12	1	59	22	C	97	603	10	1	1471	0	0	0	1,082	1591622	4
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,293	100%	24	3	58	27	D	122	1282	22	2	1647	0	0	0	2,060	3392133	10
Chester Ave Off Ramp to H St On Ramp	2,832	2,814	99%	40	2	61	23	C	162	1907	31	2	1407	0	0	0	3,579	5035653	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,262	99%	28	3	57	27	D	190	1455	25	3	1631	0	0	0	2,350	3832458	12
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,176	99%	27	1	57	19	C	217	924	16	1	1088	0	0	0	2,163	2353344	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: CFS-30% (VEH constant, CFS-30%, PCFC at default)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vph)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	49	1	64	13	B	49	2158	34	1	819	0	0	0	4,648	3804398	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,110	100%	19	1	63	11	B	68	707	11	0	703	0	0	0	1,768	1243493	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,234	99%	7	1	53	17	B	76	340	6	1	1078	0	0	0	555	598290	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,722	100%	74	4	61	19	C	150	4730	77	4	1067	0	0	0	6,685	7146434	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,296	99%	25	1	62	13	B	175	1431	23	1	824	0	0	0	2,291	1887498	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,532	100%	12	2	52	19	C	187	795	15	3	1133	0	0	0	926	1049158	3
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,097	100%	31	1	63	13	B	218	1728	27	1	789	0	0	0	2,690	2280210	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	15	B	228	601	10	1	939	0	0	0	844	792727	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	36	4	59	20	C	264	2783	47	5	1203	0	0	0	3,000	3607500	11
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,064	100%	16	1	63	16	B	280	1164	19	1	1030	0	0	0	1,491	1536103	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,693	100%	10	1	56	19	C	289	699	12	2	1175	0	0	0	785	921983	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,914	98%	25	3	55	21	C	314	1862	34	5	1228	0	0	0	2,014	2474031	8
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,230	100%	16	0	63	13	B	330	881	14	0	812	0	0	0	1,432	1162784	4
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,926	100%	33	1	63	12	B	363	1701	27	1	735	0	0	0	3,055	2244661	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,405	100%	34	2	61	14	B	397	1945	32	2	866	0	0	0	3,000	2598675	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,188	100%	40	1	63	10	A	437	1544	24	1	625	0	0	0	3,726	2329282	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	48	1	64	17	B	48	2705	43	1	985	0	0	0	4,498	4071975	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	36	6	55	22	C	84	2664	49	8	1227	0	0	0	2,800	3435600	12
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	62	17	B	109	1841	30	1	1070	0	0	0	2,271	2429970	7
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,505	100%	15	2	55	23	C	124	1252	23	3	1376	0	0	0	1,200	1651500	5
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,654	99%	39	9	51	32	D	162	3643	71	16	1864	0	0	0	2,800	4658033	17
California Ave Off Ramp to California Ave On Ramp	5,673	5,617	99%	14	1	61	23	C	176	1307	21	1	1404	0	0	0	1,229	1725823	5
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,425	99%	32	6	52	30	D	208	3007	58	12	1606	0	0	0	2,433	3908209	14
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,556	99%	40	1	63	18	C	249	3205	51	2	1139	0	0	0	3,714	4230246	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,653	98%	5	1	48	24	C	254	408	9	2	1413	0	0	0	381	538448	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,930	98%	25	4	54	26	C	279	2246	42	7	1482	0	0	0	2,004	2970763	10
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,345	97%	35	1	63	17	B	314	2623	42	2	1086	0	0	0	3,189	3464051	10
Ming Ave On Ramp to White Ln Off Ramp	4,926	4,821	98%	62	5	60	24	C	376	4960	83	7	1377	0	0	0	5,403	7441861	24
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,899	100%	19	1	63	16	B	395	975	16	1	970	0	0	0	1,770	1716900	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	3,038	100%	10	0	62	15	B	405	516	8	0	1017	0	0	0	894	908900	3
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	3,128	98%	52	2	62	16	B	458	2829	45	2	1043	0	0	0	4,777	4980023	15
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	42	3	56	8	A	42	575	10	1	582	0	0	0	3,523	2050386	5
SR99 On Ramp to H St Off Ramp	3,419	3,413	100%	10	1	59	19	C	53	564	10	1	1138	0	0	0	870	989625	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	37	3	60	21	C	90	1882	31	2	1216	0	0	0	3,265	3970893	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,562	100%	29	3	58	30	D	118	1853	29	3	1752	0	0	0	2,419	4334848	14
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	61	25	C	135	895	15	1	1542	0	0	0	1,533	2363120	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,226	100%	9	1	57	24	C	144	458	8	1	1638	0	0	0	739	1210113	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,469	100%	74	5	60	28	D	219	4349	72	5	1751	0	0	0	6,567	11497175	35
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	68	3	62	25	C	68	3602	58	2	1533	0	0	0	6,193	9491547	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,696	100%	17	1	61	22	C	85	796	13	1	1348	0	0	0	1,558	2100184	6
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,910	99%	12	1	59	22	C	98	596	10	1	1455	0	0	0	1,082	1574310	4
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,246	98%	24	2	58	26	C	122	1264	22	2	1623	0	0	0	2,060	3343723	10
Chester Ave Off Ramp to H St On Ramp	2,832	2,824	100%	40	2	61	23	C	162	1914	31	2	1412	0	0	0	3,579	5053548	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,279	100%	28	3	57	27	D	190	1464	26	3	1640	0	0	0	2,350	3852825	12
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,206	100%	27	1	57	20	C	217	937	16	1	1103	0	0	0	2,163	2385789	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: CFS-40% (VEH constant, CFS-40%, PCFC at default)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vph)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	49	1	64	13	B	49	2159	34	1	818	0	0	0	4,648	3803613	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,072	98%	19	1	63	11	A	68	694	11	0	691	0	0	0	1,768	1221099	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,205	98%	7	1	53	17	B	76	337	6	1	1068	0	0	0	555	592925	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,696	99%	74	4	61	19	C	150	4690	76	4	1056	0	0	0	6,695	7070398	23
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,279	99%	25	1	62	13	B	175	1424	23	1	820	0	0	0	2,291	1877761	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,492	99%	13	3	50	20	C	188	788	16	3	1123	0	0	0	926	1039898	3
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,097	100%	31	1	63	12	B	219	1703	27	1	778	0	0	0	2,890	2247698	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	14	B	229	594	10	1	929	0	0	0	844	784287	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	35	4	59	20	C	264	2769	47	5	1197	0	0	0	3,000	3591750	11
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,064	100%	16	1	62	16	B	280	1158	19	1	1026	0	0	0	1,491	1529021	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,685	100%	9	1	57	19	C	290	696	12	1	1171	0	0	0	785	919431	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,899	98%	25	3	55	21	C	314	1856	34	5	1225	0	0	0	2,014	2466647	8
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,105	96%	16	0	62	12	B	330	842	13	0	776	0	0	0	1,432	1111590	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,788	95%	33	1	63	11	B	363	1613	26	1	697	0	0	0	3,055	2129335	6
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,267	95%	34	2	61	13	B	396	1856	31	2	817	0	0	0	3,000	2449875	7
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,111	96%	40	1	63	10	A	437	1489	24	0	603	0	0	0	3,726	2246778	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	48	1	64	17	B	48	2705	42	1	905	0	0	0	4,498	4071975	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	34	4	57	21	C	82	2640	46	6	1225	0	0	0	2,800	3429300	11
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	62	17	B	107	1832	29	1	1065	0	0	0	2,271	2419183	7
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,476	99%	15	2	56	22	C	122	1244	22	3	1369	0	0	0	1,200	1642800	5
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,628	99%	37	7	53	31	D	159	3591	68	13	1657	0	0	0	2,800	4639367	16
California Ave Off Ramp to California Ave On Ramp	5,673	5,652	100%	14	1	61	23	C	172	1316	21	1	1413	0	0	0	1,229	1736577	5
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,458	99%	31	5	54	29	D	204	3006	56	10	1615	0	0	0	2,433	3928281	13
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,622	100%	40	1	63	18	C	244	3260	52	2	1159	0	0	0	3,714	4303598	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,693	99%	5	1	49	24	C	249	411	8	2	1423	0	0	0	381	542258	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,950	99%	25	4	55	25	C	274	2252	41	6	1488	0	0	0	2,004	2981117	10
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,384	98%	35	1	63	17	B	309	2648	42	1	1096	0	0	0	3,189	3494745	11
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,721	96%	122	63	36	44	E	431	5821	160	82	1349	1	146	14	5,403	7287875	45
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,703	93%	20	1	62	15	B	450	906	15	1	901	0	0	0	1,770	1594770	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	2,840	93%	10	0	62	14	B	460	481	8	0	947	0	0	0	894	846320	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	2,905	91%	52	2	63	15	B	512	2626	42	2	968	0	0	0	4,777	4625728	14
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	43	3	56	8	A	43	569	10	1	576	0	0	0	3,523	2029248	5
SR99 On Ramp to H St Off Ramp	3,419	3,325	97%	10	1	59	19	C	53	549	9	1	1108	0	0	0	870	964105	3
H St Off Ramp to Chester Ave On Ramp	3,003	2,954	98%	37	2	61	20	C	89	1827	30	2	1181	0	0	0	3,265	3857271	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,508	98%	29	3	58	29	D	118	1619	28	3	1754	0	0	0	2,419	4243329	13
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	2,975	99%	17	1	62	24	C	135	864	14	1	1488	0	0	0	1,533	2280338	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,167	98%	9	1	59	22	C	144	443	8	1	1584	0	0	0	739	1170207	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,410	98%	74	5	61	27	D	217	4237	70	4	1705	0	0	0	6,567	11197556	34
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	68	3	63	24	C	68	3602	57	2	1533	0	0	0	6,193	9493869	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	62	22	C	85	802	13	1	1359	0	0	0	1,558	2116543	6
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,927	99%	12	1	60	22	C	97	600	10	1	1464	0	0	0	1,082	1583507	4
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,272	99%	24	2	58	26	D	121	1273	22	2	1636	0	0	0	2,060	3370160	10
Chester Ave Off Ramp to H St On Ramp	2,832	2,832	100%	40	2	62	23	C	161	1927	31	2	1422	0	0	0	3,579	5087549	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,291	100%	28	3	58	27	D	188	1471	25	2	1647	0	0	0	2,350	3871233	12
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,207	100%	27	1	57	20	C	215	944	16	1	1112	0	0	0	2,163	2404175	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: CFS-50% (VEH constant, CFS-50%, PCFC at default)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	49	1	64	13	B	49	2157	34	1	818	0	0	0	4,648	3801289	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,110	100%	19	0	63	11	B	69	715	11	0	712	0	0	0	1,768	1258816	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,265	100%	7	1	53	18	B	76	344	7	1	1092	0	0	0	555	605875	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,722	100%	74	4	61	19	C	150	4779	78	4	1078	0	0	0	6,695	7218166	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,319	100%	25	1	62	13	B	175	1448	23	1	834	0	0	0	2,291	1910408	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,534	100%	12	2	52	19	C	187	800	16	3	1141	0	0	0	926	1056103	3
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,097	100%	31	1	63	12	B	219	1713	27	1	783	0	0	0	2,890	2261425	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	15	B	229	595	10	1	931	0	0	0	844	785764	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	35	4	59	20	C	264	2802	47	5	1210	0	0	0	3,000	3629250	11
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,064	100%	16	1	62	17	B	280	1172	19	1	1038	0	0	0	1,491	1547285	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,693	100%	9	1	57	19	C	290	702	12	2	1180	0	0	0	785	926496	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,930	99%	24	3	56	21	C	314	1869	33	4	1232	0	0	0	2,014	2482087	8
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,142	97%	16	0	63	13	B	329	852	14	0	786	0	0	0	1,432	1124836	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,875	98%	33	1	63	11	B	362	1663	26	1	719	0	0	0	3,055	2195781	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,346	98%	34	2	61	13	B	396	1901	31	2	937	0	0	0	3,000	2509500	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,142	98%	40	1	63	10	A	436	1512	24	0	612	0	0	0	3,726	2280312	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	48	1	64	17	B	48	2704	42	1	905	0	0	0	4,498	4071333	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	34	4	58	21	C	82	2656	46	6	1228	0	0	0	2,800	3438633	11
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	62	17	B	107	1858	30	1	1080	0	0	0	2,271	2452112	7
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,509	100%	15	2	56	23	C	122	1258	23	3	1384	0	0	0	1,200	1660800	5
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,684	100%	36	6	54	30	D	158	3624	67	12	1671	0	0	0	2,800	4678567	16
California Ave Off Ramp to California Ave On Ramp	5,673	5,626	99%	14	1	61	23	C	171	1310	21	1	1407	0	0	0	1,229	1728589	5
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,516	6,441	99%	32	6	53	29	D	203	3005	57	10	1610	0	0	0	2,433	3917536	13
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,544	98%	40	1	63	18	C	243	3197	51	2	1136	0	0	0	3,714	4219104	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,609	98%	5	1	49	23	C	249	405	8	2	1402	0	0	0	381	534257	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,881	98%	25	4	53	26	C	274	2212	41	7	1470	0	0	0	2,004	2946214	10
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,345	97%	35	1	62	17	B	309	2623	42	2	1086	0	0	0	3,189	3464051	11
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,820	98%	62	5	60	23	C	371	4955	83	6	1377	0	0	0	5,403	7440317	24
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,823	97%	19	1	62	15	B	390	947	15	1	941	0	0	0	1,770	1665570	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	2,963	98%	10	0	62	14	B	400	501	8	0	988	0	0	0	894	882974	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	3,018	95%	52	2	62	16	B	452	2729	44	2	1006	0	0	0	4,777	4804866	14
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	43	3	56	8	A	43	579	10	1	586	0	0	0	3,523	2063304	5
SR99 On Ramp to H St Off Ramp	3,419	3,419	100%	10	1	59	19	C	53	567	10	1	1144	0	0	0	870	994990	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	37	2	61	21	C	89	1898	31	2	1227	0	0	0	3,285	4005502	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,562	100%	28	3	59	29	D	117	1669	28	3	1812	0	0	0	2,419	4383631	13
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	61	25	C	135	892	15	1	1537	0	0	0	1,533	2356221	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,226	100%	9	1	59	23	C	143	457	8	1	1633	0	0	0	739	1206418	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,469	100%	74	5	61	28	D	217	4340	72	4	1747	0	0	0	6,567	11470066	35
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	67	3	63	24	C	67	3601	57	2	1533	0	0	0	6,193	9490773	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	62	22	C	85	808	13	1	1370	0	0	0	1,558	2133681	7
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,951	100%	12	1	60	22	C	97	605	10	1	1476	0	0	0	1,082	1596491	4
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,295	100%	24	2	58	26	D	121	1281	22	2	1647	0	0	0	2,060	3393507	10
Chester Ave Off Ramp to H St On Ramp	2,832	2,816	99%	40	2	62	23	C	160	1909	31	2	1408	0	0	0	3,579	5039232	15
H St On Ramp to SR99 NB Off Ramp	3,291	3,279	100%	28	3	58	27	D	188	1464	25	3	1640	0	0	0	2,350	3853217	12
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,160	98%	27	1	57	19	C	215	916	16	1	1080	0	0	0	2,163	2335499	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: CFS-60% (VEH constant, CFS-60%, PCFC at default)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vph)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	49	1	64	13	B	49	2158	34	1	818	0	0	0	4,848	3803613	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,110	100%	19	1	63	11	B	69	711	11	0	708	0	0	0	1,768	1251155	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,242	99%	7	1	52	18	B	76	341	7	1	1081	0	0	0	555	599770	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,722	100%	74	4	62	19	C	150	4730	77	4	1067	0	0	0	6,895	7144043	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,319	100%	25	1	63	13	B	175	1450	23	1	835	0	0	0	2,291	1913271	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,534	100%	12	2	52	19	C	187	799	15	3	1139	0	0	0	926	1054946	3
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,097	100%	31	1	63	12	B	218	1715	27	1	783	0	0	0	2,890	2263593	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	60	14	B	228	597	10	1	933	0	0	0	844	787663	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	36	4	59	20	C	263	2787	48	5	1205	0	0	0	3,000	3614250	12
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,064	100%	16	1	62	17	B	280	1167	19	1	1034	0	0	0	1,491	1541321	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,693	100%	9	1	57	19	C	289	700	12	1	1176	0	0	0	785	923160	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,916	99%	24	3	57	21	C	313	1861	33	4	1229	0	0	0	2,014	2475374	8
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,177	98%	16	0	63	13	B	329	852	14	0	794	0	0	0	1,432	1137366	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,897	99%	33	1	63	11	B	361	1670	26	1	722	0	0	0	3,055	2204946	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,348	98%	33	2	61	13	B	395	1902	31	2	837	0	0	0	3,000	2510625	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,099	96%	40	1	63	10	A	435	1461	23	0	600	0	0	0	3,726	2234535	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	48	1	64	17	B	48	2705	42	1	805	0	0	0	4,498	4071975	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	34	4	58	21	C	82	2648	46	6	1225	0	0	0	2,800	3429300	11
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	62	17	B	107	1853	30	1	1077	0	0	0	2,271	2445867	7
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,509	100%	15	2	56	22	C	121	1256	22	3	1383	0	0	0	1,200	1659000	5
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,688	100%	36	6	54	30	D	157	3637	67	12	1672	0	0	0	2,800	4681600	16
California Ave Off Ramp to California Ave On Ramp	5,673	5,644	99%	14	1	62	23	C	171	1314	21	1	1411	0	0	0	1,229	1734119	5
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,460	99%	30	4	56	28	D	201	3003	54	8	1615	0	0	0	2,433	3929498	13
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,622	100%	40	1	63	18	C	241	3259	52	2	1158	0	0	0	3,714	4301741	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,693	99%	5	1	49	23	C	247	411	8	2	1423	0	0	0	381	542258	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,977	99%	25	4	54	26	C	272	2252	42	7	1494	0	0	0	2,004	2994477	10
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,426	99%	35	1	62	18	B	307	2672	43	2	1106	0	0	0	3,189	3528230	11
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,808	98%	111	53	42	40	E	418	6154	148	71	1374	0	0	0	5,403	7422564	41
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,775	96%	20	1	61	15	B	437	930	15	1	925	0	0	0	1,770	1637250	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	2,904	96%	10	0	62	14	B	447	492	8	0	968	0	0	0	894	865392	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	2,984	94%	52	2	63	15	B	499	2697	43	1	995	0	0	0	4,777	4750727	14
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	42	2	57	8	A	42	577	10	1	585	0	0	0	3,523	2059781	5
SR99 On Ramp to H St Off Ramp	3,419	3,409	100%	10	1	59	19	C	52	563	10	1	1136	0	0	0	870	988465	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	36	2	61	21	C	88	1888	31	2	1220	0	0	0	3,265	3984606	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,562	100%	28	3	59	28	D	116	1659	28	3	1801	0	0	0	2,419	4357022	13
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,065	100%	17	1	62	25	C	133	892	14	1	1537	0	0	0	1,533	2355455	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,226	100%	9	1	59	23	C	142	458	8	1	1634	0	0	0	739	1207526	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,469	100%	74	5	61	28	D	216	4357	72	4	1753	0	0	0	6,567	11510309	35
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	67	2	63	24	C	67	3601	57	2	1533	0	0	0	6,193	9492321	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	62	22	C	85	806	13	1	1366	0	0	0	1,558	2128228	7
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,943	100%	12	1	60	22	C	97	603	10	1	1472	0	0	0	1,082	1592163	4
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,282	100%	24	2	59	26	C	121	1276	22	2	1641	0	0	0	2,060	3380803	10
Chester Ave Off Ramp to H St On Ramp	2,832	2,829	100%	40	2	62	23	C	160	1918	31	2	1415	0	0	0	3,579	5062496	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,286	100%	27	3	58	27	D	188	1467	25	2	1643	0	0	0	2,350	3860658	12
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,201	100%	27	1	57	19	C	215	934	16	1	1100	0	0	0	2,163	2379841	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: CFS-70% (VEH constant, CFS-70%, PCFC at default)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	49	1	64	13	B	49	2157	34	1	818	0	0	0	4,648	3802064	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,106	100%	19	1	64	11	B	68	705	11	0	702	0	0	0	1,768	1241136	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,236	99%	7	1	53	17	B	75	340	6	1	1079	0	0	0	555	598660	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,722	100%	74	4	62	19	C	149	4739	77	4	1069	0	0	0	6,695	7155042	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,319	100%	25	1	63	13	B	174	1449	23	1	834	0	0	0	2,291	1911267	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,534	100%	12	2	52	19	C	187	799	15	3	1139	0	0	0	926	1054483	3
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,097	100%	31	1	63	13	B	218	1738	28	1	794	0	0	0	2,890	2294660	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	60	15	B	228	604	10	1	945	0	0	0	844	797791	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	35	3	59	20	C	263	2787	47	4	1207	0	0	0	3,000	3620250	11
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,064	100%	16	1	62	16	B	279	1158	19	1	1025	0	0	0	1,491	1528648	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,670	100%	9	1	57	19	C	288	695	12	1	1168	0	0	0	785	916488	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,860	97%	24	3	57	20	C	312	1840	32	3	1215	0	0	0	2,014	2447178	8
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,125	97%	16	0	63	12	B	328	848	14	0	781	0	0	0	1,432	1118750	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,828	97%	33	1	63	11	B	361	1636	26	1	707	0	0	0	3,055	2159885	6
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,311	97%	34	2	61	13	B	394	1881	31	2	628	0	0	0	3,000	2483250	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,132	97%	40	1	63	10	A	434	1505	24	0	609	0	0	0	3,726	2269134	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	48	1	64	17	B	48	2705	42	1	905	0	0	0	4,498	4071333	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	33	4	58	21	C	82	2652	45	5	1226	0	0	0	2,800	3433500	11
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	62	17	B	106	1856	30	1	1079	0	0	0	2,271	2450409	7
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,509	100%	14	2	57	22	C	121	1261	22	3	1387	0	0	0	1,200	1664400	5
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,699	100%	36	6	55	30	D	157	3659	67	11	1675	0	0	0	2,800	4689067	16
California Ave Off Ramp to California Ave On Ramp	5,673	5,673	100%	14	1	62	23	C	170	1324	21	1	1422	0	0	0	1,229	1747024	5
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,502	100%	29	4	57	28	D	200	3019	53	7	1626	0	0	0	2,433	3955044	13
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,612	100%	40	1	63	18	C	240	3244	52	2	1153	0	0	0	3,714	4282242	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,669	99%	6	1	47	24	C	246	409	9	2	1417	0	0	0	381	539972	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,936	98%	24	3	56	25	C	270	2241	40	5	1484	0	0	0	2,004	2973936	9
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,402	98%	35	1	63	18	B	305	2658	42	1	1100	0	0	0	3,189	3509096	11
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,844	98%	88	31	50	32	D	393	5922	119	41	1384	0	0	0	5,403	7478138	33
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,813	97%	20	1	61	15	B	413	943	15	1	936	0	0	0	1,770	1659670	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	2,951	97%	10	0	62	14	B	422	499	8	0	984	0	0	0	894	879398	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	3,030	95%	52	2	63	16	B	474	2740	44	2	1010	0	0	0	4,777	4823974	14
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	42	3	56	8	A	42	576	10	1	583	0	0	0	3,523	2055083	5
SR99 On Ramp to H St Off Ramp	3,419	3,419	100%	10	1	59	20	C	52	575	10	1	1161	0	0	0	870	1010215	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	36	2	61	21	C	89	1909	31	2	1234	0	0	0	3,265	4030316	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,562	100%	28	3	59	29	D	117	1678	29	3	1620	0	0	0	2,419	4402177	13
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	82	25	C	134	899	15	1	1549	0	0	0	1,533	2374617	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,226	100%	9	1	59	23	C	142	460	8	1	1645	0	0	0	739	1215655	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,469	100%	74	5	61	28	D	216	4371	72	4	1759	0	0	0	6,567	11547249	35
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	67	3	63	24	C	67	3601	57	2	1533	0	0	0	6,193	9492321	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,700	100%	17	1	62	22	C	85	797	13	1	1350	0	0	0	1,558	2103300	6
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,918	99%	12	1	60	21	C	97	598	10	1	1459	0	0	0	1,082	1578638	4
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,261	99%	24	2	59	26	C	121	1268	22	2	1630	0	0	0	2,060	3356487	10
Chester Ave Off Ramp to H St On Ramp	2,832	2,782	98%	40	2	82	23	C	160	1885	31	2	1391	0	0	0	3,579	4977494	15
H St On Ramp to SR99 NB Off Ramp	3,291	3,240	98%	28	3	58	26	D	188	1447	25	2	1620	0	0	0	2,350	3807392	12
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,178	99%	27	1	57	19	C	214	925	16	1	1089	0	0	0	2,163	2354966	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: CFS-80% (VEH constant, CFS-80%, PCFC at default)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	49	1	64	13	B	49	2159	34	1	819	0	0	0	4,648	3804388	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,069	98%	19	0	63	11	A	68	693	11	0	690	0	0	0	1,768	1219331	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,231	99%	7	1	54	17	B	75	340	6	1	1077	0	0	0	555	597735	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,688	99%	74	3	62	18	C	149	4671	76	4	1054	0	0	0	6,695	7054139	23
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,319	100%	25	1	62	13	B	174	1453	23	1	836	0	0	0	2,291	1916135	6
Ming Ave On Ramp to SR58 EB/White Rd Off Ramp	4,534	4,534	100%	12	2	54	19	C	186	804	15	2	1146	0	0	0	926	1061428	3
SR58 EB/White Rd Off Ramp to White Rd On Ramp	3,097	3,081	99%	31	1	63	12	B	217	1687	27	1	770	0	0	0	2,890	2226023	7
White Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	60	14	B	227	565	10	1	915	0	0	0	844	772260	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	36	4	59	20	C	263	2758	47	5	1190	0	0	0	3,000	3570500	11
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,064	100%	16	1	62	16	B	279	1155	19	1	1922	0	0	0	1,491	1524175	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,680	100%	9	1	57	19	C	288	696	12	2	1170	0	0	0	785	918450	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,898	98%	24	3	57	21	C	312	1853	33	4	1225	0	0	0	2,014	2466311	8
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,114	96%	16	0	63	12	B	328	845	13	0	779	0	0	0	1,432	1114812	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,790	95%	33	1	63	11	B	361	1614	26	1	698	0	0	0	3,055	2130863	6
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,245	95%	34	2	61	13	B	394	1844	30	2	811	0	0	0	3,000	2433375	7
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,089	95%	40	1	64	10	A	434	1474	23	0	597	0	0	0	3,726	2223357	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	48	1	64	17	B	48	2704	42	1	905	0	0	0	4,498	4070890	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	33	4	58	21	C	81	2646	45	5	1224	0	0	0	2,800	3428967	11
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	62	17	B	106	1833	29	1	1066	0	0	0	2,271	2420318	7
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,477	99%	14	2	58	21	C	120	1245	21	2	1369	0	0	0	1,200	1643100	5
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,647	99%	35	5	56	29	D	155	3608	64	9	1662	0	0	0	2,800	4652900	15
California Ave Off Ramp to California Ave On Ramp	5,673	5,601	99%	14	1	62	23	C	169	1304	21	1	1400	0	0	0	1,229	1720907	5
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,417	98%	29	4	57	27	D	198	2984	52	7	1604	0	0	0	2,433	3902938	12
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,539	98%	40	1	63	18	C	238	3193	51	2	1135	0	0	0	3,714	4214462	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,597	97%	5	1	48	24	C	244	404	8	2	1399	0	0	0	381	533114	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,876	97%	24	3	57	24	C	268	2215	39	4	1489	0	0	0	2,004	2943876	9
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,342	97%	35	1	63	17	B	302	2622	42	1	1085	0	0	0	3,189	3461261	10
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,798	97%	85	28	50	31	D	388	5731	114	37	1371	0	0	0	5,403	7405969	31
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,810	97%	19	1	62	15	B	407	942	15	1	937	0	0	0	1,770	1657900	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	2,953	97%	10	0	62	14	B	417	500	8	0	984	0	0	0	894	879994	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	3,022	95%	52	2	63	16	B	469	2732	44	1	1007	0	0	0	4,777	4812031	14
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	42	2	56	8	A	42	561	10	1	569	0	0	0	3,523	2004587	5
SR99 On Ramp to H St Off Ramp	3,419	3,419	100%	10	1	59	20	C	52	581	10	1	1172	0	0	0	870	1019205	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	37	2	61	21	C	89	1941	32	2	1255	0	0	0	3,265	4096922	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,562	100%	28	3	59	30	D	117	1693	29	3	1637	0	0	0	2,419	4444509	14
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	61	26	C	134	920	15	1	1586	0	0	0	1,533	2430572	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,226	100%	8	1	59	24	C	142	472	8	1	1688	0	0	0	739	1247432	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,469	100%	74	5	61	29	D	216	4487	74	5	1606	0	0	0	6,567	11861644	36
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	67	2	63	24	C	67	3600	57	2	1532	0	0	0	6,193	9489224	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	62	22	C	85	806	13	1	1366	0	0	0	1,558	2120228	7
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,939	100%	12	1	60	21	C	97	602	10	1	1470	0	0	0	1,082	1589999	4
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,292	100%	24	2	59	26	C	121	1280	22	2	1646	0	0	0	2,060	3391103	10
Chester Ave Off Ramp to H St On Ramp	2,832	2,832	100%	40	2	62	23	C	160	1931	31	2	1425	0	0	0	3,579	5098286	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,291	100%	27	3	59	27	D	188	1471	25	2	1648	0	0	0	2,350	3872800	12
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,202	100%	27	1	57	19	C	214	935	15	1	1101	0	0	0	2,163	2381463	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: CFS-90% (VEH constant, CFS-90%, PCFC at default)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vph)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	49	1	64	13	B	49	2158	34	0	818	0	0	0	4,648	3802839	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,088	99%	19	0	64	11	A	68	699	11	0	696	0	0	0	1,768	1230528	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,217	99%	7	1	52	17	B	76	338	6	1	1072	0	0	0	555	595145	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,718	100%	74	3	62	19	C	149	4708	76	4	1062	0	0	0	6,695	7111046	23
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,319	100%	25	1	63	13	B	174	1450	23	1	835	0	0	0	2,291	1913558	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,534	100%	12	2	53	19	C	186	799	15	3	1139	0	0	0	926	1054714	3
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,097	100%	31	1	63	13	B	218	1730	28	1	790	0	0	0	2,890	2283100	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	60	15	B	227	602	10	1	942	0	0	0	844	794626	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	35	3	60	20	C	262	2805	47	4	1217	0	0	0	3,000	3650750	11
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,064	100%	16	1	62	17	B	279	1175	19	1	1040	0	0	0	1,491	1551013	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,693	100%	9	1	58	19	C	288	704	12	1	1164	0	0	0	785	929636	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,945	99%	24	3	57	21	C	312	1872	33	4	1236	0	0	0	2,014	2489975	8
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,201	99%	16	0	63	13	B	327	868	14	0	800	0	0	0	1,432	1145958	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,892	99%	33	1	63	11	B	360	1673	26	1	723	0	0	0	3,055	2208765	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,350	98%	33	2	61	13	B	394	1903	31	2	837	0	0	0	3,000	2512125	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,106	96%	40	1	63	10	A	434	1486	23	0	602	0	0	0	3,726	2241456	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	48	1	64	17	B	48	2704	42	1	905	0	0	0	4,498	4071333	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	33	4	58	21	C	81	2855	46	5	1229	0	0	0	2,800	3440967	11
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	62	17	B	106	1863	30	1	1093	0	0	0	2,271	2459493	7
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,509	100%	14	2	57	22	C	121	1262	22	3	1386	0	0	0	1,200	1665900	5
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,698	100%	35	5	56	29	D	155	3638	64	9	1675	0	0	0	2,800	4688600	15
California Ave Off Ramp to California Ave On Ramp	5,673	5,673	100%	14	1	61	23	C	169	1324	22	1	1422	0	0	0	1,229	1747638	5
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,515	100%	30	4	57	28	D	198	3034	53	7	1629	0	0	0	2,433	3962952	13
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,616	100%	40	1	63	18	C	239	3247	52	2	1154	0	0	0	3,714	4285956	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,672	99%	5	1	48	24	C	244	410	9	2	1418	0	0	0	381	540258	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,931	98%	24	3	56	25	C	269	2229	40	5	1483	0	0	0	2,004	2971431	9
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,389	98%	35	1	63	17	B	303	2650	42	1	1097	0	0	0	3,189	3498732	11
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,865	98%	61	4	61	23	C	364	4992	82	5	1390	0	0	0	5,403	7509784	24
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,857	99%	19	1	63	15	B	383	961	15	1	958	0	0	0	1,770	1691530	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	3,011	99%	10	0	62	15	B	393	510	8	0	1004	0	0	0	894	897278	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	3,076	97%	52	2	62	16	B	445	2782	45	2	1025	0	0	0	4,777	4897221	14
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	42	3	56	8	A	42	567	10	1	574	0	0	0	3,523	2022202	5
SR99 On Ramp to H St Off Ramp	3,419	3,419	100%	10	1	59	20	C	52	572	10	1	1158	0	0	0	870	1006010	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	37	2	61	21	C	89	1894	31	2	1225	0	0	0	3,265	3998319	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,562	100%	28	3	59	29	D	117	1865	28	3	1807	0	0	0	2,419	4371133	13
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	61	25	C	134	898	15	1	1546	0	0	0	1,533	2370018	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,226	100%	8	1	59	23	C	142	459	8	1	1642	0	0	0	739	1213069	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,469	100%	74	4	61	28	D	216	4370	72	4	1758	0	0	0	6,567	11544786	35
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	67	2	63	24	C	67	3601	57	2	1532	0	0	0	6,193	9489998	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	62	22	C	85	800	13	1	1356	0	0	0	1,558	2112648	6
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,928	99%	12	1	61	21	C	97	600	10	1	1464	0	0	0	1,082	1584048	4
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,273	99%	24	2	59	26	C	120	1273	21	2	1637	0	0	0	2,060	3371533	10
Chester Ave Off Ramp to H St On Ramp	2,832	2,815	99%	40	2	62	23	C	160	1908	31	2	1407	0	0	0	3,579	5036548	15
H St On Ramp to SR99 NB Off Ramp	3,291	3,278	100%	27	2	59	26	D	187	1464	25	2	1639	0	0	0	2,350	3852042	12
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,184	99%	27	1	57	19	C	214	929	16	1	1692	0	0	0	2,163	2361455	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: PCFC-10% (VEH constant, CFS at default, PCFC-10%)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vph)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	50	1	64	13	B	50	2159	34	1	819	0	0	0	4,648	3804388	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,099	99%	19	1	63	11	B	69	703	11	0	700	0	0	0	1,768	1237011	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,234	99%	7	1	53	17	B	76	340	6	1	1078	0	0	0	555	598290	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,722	100%	75	4	61	19	C	151	4717	77	4	1065	0	0	0	6,695	7128740	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,319	100%	25	1	62	13	B	176	1450	23	1	633	0	0	0	2,291	1908117	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,534	100%	14	4	45	22	C	190	799	18	5	1140	0	0	0	926	1055177	4
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,097	100%	32	1	62	13	B	222	1717	28	1	784	0	0	0	2,890	2266483	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	15	B	231	598	10	1	935	0	0	0	844	788718	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	36	4	58	20	C	268	2804	48	6	1204	0	0	0	3,000	3612500	12
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,064	100%	16	1	62	17	B	284	1169	19	1	1035	0	0	0	1,491	1543185	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,693	100%	10	1	55	20	C	294	701	13	2	1179	0	0	0	785	925123	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,930	99%	27	5	51	23	C	320	1871	37	7	1233	0	0	0	2,014	2482423	9
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,171	98%	16	1	62	13	B	336	850	14	1	793	0	0	0	1,432	1135218	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,892	99%	33	1	63	11	B	369	1673	27	1	723	0	0	0	3,055	2208765	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,343	98%	34	2	60	14	B	403	1899	32	2	836	0	0	0	3,000	2507250	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,101	96%	40	1	63	10	A	443	1483	23	1	600	0	0	0	3,726	2236132	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	48	1	63	17	B	48	2706	43	1	906	0	0	0	4,498	4073260	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	35	6	55	22	C	84	2663	48	8	1226	0	0	0	2,800	3433033	12
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	62	17	B	109	1844	30	1	1072	0	0	0	2,271	2434512	7
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,506	100%	16	3	53	24	C	124	1252	24	5	1377	0	0	0	1,200	1651800	5
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,643	99%	43	13	46	35	E	167	3639	79	23	1661	0	0	0	2,800	4650100	19
California Ave Off Ramp to California Ave On Ramp	5,673	5,622	99%	14	1	59	24	C	181	1308	22	2	1406	0	0	0	1,229	1727360	6
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,430	99%	39	14	44	36	E	221	3122	70	24	1609	0	0	0	2,433	3911250	17
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,510	98%	41	2	62	18	C	261	3172	51	2	1128	0	0	0	3,714	4187535	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,808	98%	5	1	49	23	C	266	405	8	2	1402	0	0	0	381	534162	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,862	97%	25	4	55	25	C	291	2223	41	6	1435	0	0	0	2,004	2936695	10
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,387	98%	35	1	63	18	B	326	2549	42	2	1097	0	0	0	3,189	3497137	11
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,852	98%	69	13	55	26	D	396	5111	94	17	1386	0	0	0	5,403	7489330	27
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,822	97%	20	1	62	15	B	415	946	15	1	941	0	0	0	1,770	1664980	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	2,963	98%	10	0	62	14	B	425	502	8	0	988	0	0	0	894	882974	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,178	3,039	96%	52	2	62	16	B	477	2748	44	2	1013	0	0	0	4,777	4838305	14
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	44	4	54	8	A	44	566	10	1	571	0	0	0	3,523	2012807	5
SR99 On Ramp to H St Off Ramp	3,419	3,419	100%	10	1	57	20	C	54	578	10	1	1167	0	0	0	870	1015580	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	38	3	59	22	C	91	1912	32	3	1235	0	0	0	3,265	4030969	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,562	100%	30	4	55	31	D	122	1685	30	5	1825	0	0	0	2,419	4413466	14
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	61	25	C	139	895	15	1	1542	0	0	0	1,533	2363120	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,226	100%	9	1	58	23	C	147	459	8	1	1639	0	0	0	739	1210852	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,469	100%	75	6	60	29	D	222	4373	73	5	1760	0	0	0	6,567	11559562	36
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	68	3	62	25	C	68	3603	58	3	1833	0	0	0	6,193	9486191	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	82	22	C	85	805	13	1	1264	0	0	0	1,558	2124333	7
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,942	100%	12	1	59	22	C	98	603	10	1	1471	0	0	0	1,082	1591622	4
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,286	100%	25	3	57	27	D	122	1280	22	3	1643	0	0	0	2,060	3384923	10
Chester Ave Off Ramp to H St On Ramp	2,832	2,821	100%	40	2	61	23	C	162	1912	31	2	1410	0	0	0	3,579	5047285	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,266	99%	28	3	57	27	D	190	1457	26	3	1633	0	0	0	2,350	3837550	12
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,195	99%	27	1	57	19	C	217	932	16	1	1097	0	0	0	2,163	2373352	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: PCFC-20% (VEH constant, CFS at default, PCFC-20%)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	49	1	64	13	B	49	2158	34	1	818	0	0	0	4,648	3803613	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,110	100%	19	1	63	11	B	69	712	11	0	709	0	0	0	1,768	1253512	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,262	100%	7	1	53	17	B	76	343	6	1	1087	0	0	0	556	603470	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,722	100%	75	4	61	19	C	150	4761	78	4	1074	0	0	0	6,695	7192821	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,319	100%	25	1	62	14	B	176	1466	24	1	841	0	0	0	2,291	1927017	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,534	100%	14	4	46	22	C	189	803	17	5	1145	0	0	0	926	1059807	4
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,097	100%	32	1	62	13	B	221	1738	28	1	794	0	0	0	2,890	2294660	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	15	B	231	602	10	1	942	0	0	0	844	795048	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	36	4	58	21	C	267	2823	48	6	1214	0	0	0	3,000	3641750	12
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,064	100%	16	1	62	17	B	283	1176	19	1	1041	0	0	0	1,491	1552131	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,693	100%	9	1	56	19	C	292	705	12	2	1185	0	0	0	785	930029	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,944	99%	26	5	53	23	C	319	1881	36	7	1235	0	0	0	2,014	2489136	9
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,151	98%	16	1	62	13	B	334	854	14	0	788	0	0	0	1,432	1128058	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,863	98%	33	1	63	11	B	367	1856	26	1	716	0	0	0	3,055	2186616	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,308	97%	34	2	60	13	B	401	1879	31	2	827	0	0	0	3,000	2480625	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,126	97%	40	1	63	10	A	441	1500	24	1	607	0	0	0	3,726	2263279	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	48	1	64	17	B	48	2706	43	1	906	0	0	0	4,498	4073260	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	36	6	55	22	C	84	2656	49	8	1228	0	0	0	2,800	3438633	12
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	62	17	B	109	1851	30	1	1076	0	0	0	2,271	2444164	7
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,492	100%	15	3	54	23	C	124	1249	23	4	1373	0	0	0	1,200	1647600	5
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,615	99%	42	12	47	34	D	166	3612	76	21	1654	0	0	0	2,800	4630733	18
California Ave Off Ramp to California Ave On Ramp	5,673	5,597	99%	14	2	58	24	C	180	1303	22	2	1389	0	0	0	1,229	1719878	6
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,428	99%	36	10	48	33	D	216	3051	64	18	1607	0	0	0	2,433	3909828	15
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,585	99%	41	2	62	18	C	256	3225	52	2	1146	0	0	0	3,714	4257173	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,619	98%	5	1	50	23	C	262	405	8	2	1405	0	0	0	381	535210	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,897	98%	25	4	54	26	C	287	2233	42	7	1474	0	0	0	2,004	2954397	10
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,354	97%	35	1	62	17	B	322	2830	42	2	1038	0	0	0	3,189	3470828	11
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,837	98%	64	7	58	24	C	386	4996	86	9	1382	0	0	0	5,403	7456174	25
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,896	100%	19	1	63	15	B	405	971	16	1	965	0	0	0	1,770	1708640	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	3,038	100%	10	0	62	15	B	415	514	8	0	1013	0	0	0	894	905622	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	3,109	98%	52	2	62	16	B	467	2812	45	2	1036	0	0	0	4,777	4950564	15
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	43	4	55	8	A	43	567	10	1	573	0	0	0	3,523	2017505	5
SR99 On Ramp to H St Off Ramp	3,419	3,419	100%	10	1	58	20	C	54	569	10	1	1147	0	0	0	870	997600	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	37	3	60	21	C	91	1902	32	2	1228	0	0	0	3,265	4010073	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,562	100%	30	4	56	31	D	121	1662	30	4	1801	0	0	0	2,419	4357022	14
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	61	25	C	138	888	15	1	1531	0	0	0	1,533	2346257	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,226	100%	9	1	58	23	C	146	455	8	1	1624	0	0	0	739	1200136	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,469	100%	75	6	60	28	D	221	4337	72	5	1746	0	0	0	6,567	11464340	35
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	68	3	62	25	C	68	3803	58	3	1533	0	0	0	6,193	9493095	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	62	22	C	85	801	13	1	1358	0	0	0	1,558	2114985	7
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,930	99%	13	1	59	22	C	98	600	10	1	1465	0	0	0	1,082	1585130	4
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,267	99%	25	3	57	27	D	122	1272	22	3	1534	0	0	0	2,060	3365353	10
Chester Ave Off Ramp to H St On Ramp	2,832	2,807	99%	40	3	61	23	C	162	1903	31	2	1404	0	0	0	3,579	5023127	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,252	99%	28	3	57	27	D	191	1452	25	3	1626	0	0	0	2,350	3821100	12
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,174	98%	27	1	57	19	C	217	923	16	1	1087	0	0	0	2,163	2350640	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: PCFC-30% (VEH constant, CFS at default, PCFC-30%)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	49	1	64	13	B	49	2157	34	1	818	0	0	0	4,648	3802839	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,110	100%	19	1	63	11	B	69	710	11	0	707	0	0	0	1,768	1250565	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,265	100%	7	1	52	18	B	76	346	7	1	1097	0	0	0	555	608835	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,722	100%	75	4	61	19	C	150	4747	79	5	1071	0	0	0	6,695	7172258	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,319	100%	25	1	62	14	B	176	1461	23	1	841	0	0	0	2,291	1925596	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,534	100%	13	3	50	20	C	188	805	16	4	1117	0	0	0	926	1062354	4
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,097	100%	31	1	63	12	B	220	1716	27	1	784	0	0	0	2,690	2264315	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	14	B	229	594	10	1	929	0	0	0	844	783865	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	36	4	59	20	C	265	2763	47	5	1194	0	0	0	3,000	3581000	11
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,064	100%	16	1	63	16	B	281	1162	19	1	1029	0	0	0	1,491	1533868	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,693	100%	10	1	56	19	C	291	699	13	2	1175	0	0	0	785	922571	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,905	98%	26	5	52	22	C	317	1862	36	7	1226	0	0	0	2,014	2469500	9
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,150	98%	16	0	62	13	B	332	854	14	0	788	0	0	0	1,432	1127700	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,828	97%	33	1	63	11	B	365	1636	26	1	707	0	0	0	3,055	2159885	6
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,303	97%	34	2	60	13	B	399	1876	31	2	826	0	0	0	3,000	2476875	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,154	98%	40	1	63	10	A	440	1527	24	1	618	0	0	0	3,726	2303200	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	48	1	64	17	B	48	2706	43	1	905	0	0	0	4,488	4072618	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	36	6	55	22	C	84	2661	49	8	1226	0	0	0	2,800	3432100	12
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	62	17	B	109	1826	29	1	1061	0	0	0	2,271	2409531	7
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,436	99%	15	2	55	22	C	124	1235	23	4	1359	0	0	0	1,200	1630800	5
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,583	98%	42	12	47	35	D	166	3569	77	22	1646	0	0	0	2,800	4608333	18
California Ave Off Ramp to California Ave On Ramp	5,673	5,577	98%	14	1	61	23	C	180	1298	21	1	1394	0	0	0	1,229	1713533	5
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,377	98%	35	9	48	32	D	215	3007	63	17	1594	0	0	0	2,433	3878810	15
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,526	98%	41	2	62	18	C	256	3184	52	3	1132	0	0	0	3,714	4202391	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,525	96%	8	3	34	33	D	264	399	12	5	1381	1	10	2	381	526256	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,866	97%	37	16	37	37	E	300	2204	60	26	1467	1	55	5	2,004	2938866	14
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,262	95%	35	2	62	17	B	336	2571	42	2	1065	0	0	0	3,189	3397481	10
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,739	96%	69	12	55	25	C	405	4977	91	16	1354	0	0	0	5,403	7310048	26
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,768	95%	19	1	62	15	B	424	928	15	1	923	0	0	0	1,770	1633120	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	2,911	96%	10	0	62	14	B	434	493	8	0	970	0	0	0	894	867478	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	2,975	94%	52	2	63	15	B	486	2691	43	2	992	0	0	0	4,777	4736396	14
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	43	4	55	8	A	43	561	10	1	567	0	0	0	3,523	1996367	5
SR99 On Ramp to H St Off Ramp	3,419	3,419	100%	10	1	58	20	C	53	575	10	1	1159	0	0	0	870	1008330	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	37	3	60	22	C	91	1930	32	2	1247	0	0	0	3,265	4072761	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,562	100%	30	4	56	31	D	120	1688	30	4	1628	0	0	0	2,419	4421126	14
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	61	25	C	137	906	15	1	1569	0	0	0	1,533	2391480	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,226	100%	9	1	58	24	C	146	464	8	1	1658	0	0	0	739	1225262	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,469	100%	75	6	60	29	D	221	4402	74	6	1772	0	0	0	6,567	11638366	36
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	68	3	62	25	C	68	3602	58	3	1533	0	0	0	6,193	9492321	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	61	22	C	85	806	13	1	1367	0	0	0	1,558	2129007	7
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,947	100%	13	1	59	22	C	98	604	10	1	1474	0	0	0	1,082	1594327	5
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,296	100%	25	3	57	27	D	123	1285	23	3	1649	0	0	0	2,060	3396597	10
Chester Ave Off Ramp to H St On Ramp	2,832	2,832	100%	40	2	61	23	C	162	1925	31	2	1420	0	0	0	3,579	5083075	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,291	100%	29	4	56	28	D	191	1470	26	3	1647	0	0	0	2,350	3870450	12
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,207	100%	27	1	57	20	C	218	949	17	1	1118	0	0	0	2,163	2417153	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: PCFC-40% (VEH constant, CFS at default, PCFC-40%)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	49	1	64	13	B	49	2158	34	1	818	0	0	0	4,648	3802839	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,110	100%	19	1	63	11	B	68	707	11	0	703	0	0	0	1,768	1243493	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,238	99%	7	2	51	18	B	76	340	7	1	1079	0	0	0	555	599030	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,722	100%	75	4	61	19	C	150	4750	78	4	1072	0	0	0	6,695	7177040	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,319	100%	25	1	62	14	B	176	1458	24	1	838	0	0	0	2,291	1920717	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,534	100%	13	3	47	21	C	189	801	17	4	1142	0	0	0	926	1057261	4
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,097	100%	32	1	63	13	B	221	1735	28	1	793	0	0	0	2,890	2290325	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	15	B	230	602	10	1	942	0	0	0	844	794837	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	36	4	58	21	C	266	2867	49	6	1231	0	0	0	3,000	3693250	12
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,064	100%	16	1	63	17	B	283	1193	19	1	1057	0	0	0	1,491	1575614	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,693	100%	9	1	57	19	C	292	714	13	2	1201	0	0	0	785	942589	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,990	100%	26	5	53	23	C	318	1898	36	6	1252	0	0	0	2,014	2520689	9
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,230	100%	16	1	62	13	B	334	680	14	0	811	0	0	0	1,432	1160994	4
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,923	100%	33	1	63	12	B	367	1691	27	1	731	0	0	0	3,055	2232441	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,385	99%	34	2	60	14	B	401	1924	32	2	846	0	0	0	3,000	2538750	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,171	99%	40	1	63	10	A	441	1532	24	1	620	0	0	0	3,726	2311185	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	48	1	63	17	B	48	2705	43	1	905	0	0	0	4,498	4071975	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	36	6	55	22	C	84	2661	49	8	1222	0	0	0	2,800	3422533	12
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	62	17	B	109	1838	30	1	1068	0	0	0	2,271	2425996	7
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,484	100%	15	3	54	23	C	125	1246	23	4	1371	0	0	0	1,200	1645200	5
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,618	99%	42	12	47	34	D	166	3615	76	21	1654	0	0	0	2,800	4632367	18
California Ave Off Ramp to California Ave On Ramp	5,673	5,588	99%	14	1	61	23	C	180	1301	21	1	1397	0	0	0	1,229	1716913	5
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,397	98%	35	9	49	32	D	214	3003	62	16	1599	0	0	0	2,433	3890975	15
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,525	98%	40	2	63	18	C	255	3183	51	2	1131	0	0	0	3,714	4201463	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,576	97%	5	1	47	24	C	260	402	9	2	1394	0	0	0	381	531114	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,855	97%	27	6	50	27	D	288	2209	45	10	1464	0	0	0	2,004	2933188	10
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,346	97%	35	1	62	17	B	323	2624	42	2	1697	0	0	0	3,189	3484849	11
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,805	97%	69	12	55	26	C	392	5053	92	16	1373	0	0	0	5,403	7417161	26
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,808	97%	20	1	62	15	B	411	941	15	1	936	0	0	0	1,770	1658720	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	2,942	97%	10	0	62	14	B	421	498	8	0	981	0	0	0	894	876716	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	3,013	95%	52	2	62	16	B	473	2724	44	2	1094	0	0	0	4,777	4796904	14
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	43	4	55	8	A	43	576	10	1	582	0	0	0	3,523	2051560	5
SR99 On Ramp to H St Off Ramp	3,419	3,419	100%	10	1	58	20	C	53	571	10	1	1153	0	0	0	870	1003255	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	37	3	60	21	C	90	1904	32	2	1230	0	0	0	3,265	4017256	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,562	100%	30	4	56	31	D	120	1675	30	4	1814	0	0	0	2,419	4387260	14
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	61	26	C	137	907	15	1	1563	0	0	0	1,533	2395313	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,226	100%	9	1	59	23	C	146	464	8	1	1659	0	0	0	739	1226001	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,469	100%	75	6	60	29	D	220	4408	74	6	1774	0	0	0	6,567	11651500	36
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	68	3	62	25	C	68	3603	58	3	1533	0	0	0	6,193	9493095	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	61	22	C	86	810	13	1	1373	0	0	0	1,558	2139134	7
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,950	100%	13	1	58	22	C	98	605	10	1	1475	0	0	0	1,082	1595950	5
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,293	100%	25	3	57	27	D	123	1283	23	3	1646	0	0	0	2,060	3391447	11
Chester Ave Off Ramp to H St On Ramp	2,832	2,829	100%	40	3	61	23	C	163	1918	32	2	1415	0	0	0	3,579	5062496	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,282	100%	28	4	57	28	D	191	1464	28	3	1641	0	0	0	2,350	3855958	12
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,131	97%	27	1	57	19	C	218	906	16	1	1066	0	0	0	2,163	2304677	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: PCFC-50% (VEH constant, CFS at default, PCFC-50%)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vph)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	50	1	64	13	B	50	2159	34	1	819	0	0	0	4,648	3804398	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,110	100%	19	1	63	11	B	69	709	11	0	706	0	0	0	1,766	1246208	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,265	100%	7	1	53	18	B	76	346	7	1	1096	0	0	0	555	608280	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,722	100%	75	4	61	19	C	151	4745	78	4	1071	0	0	0	6,695	7170345	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,319	100%	25	1	62	14	B	176	1458	24	1	839	0	0	0	2,291	1921576	6
Ming Ave On Ramp to SR59 EB/Wible Rd Off Ramp	4,534	4,534	100%	13	3	48	21	C	189	805	17	4	1148	0	0	0	926	1062817	4
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,097	100%	32	1	62	13	B	221	1766	28	1	807	0	0	0	2,890	2330785	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	15	B	230	608	10	1	951	0	0	0	844	802855	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	36	5	58	21	C	267	2835	49	6	1216	0	0	0	3,000	3649000	12
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,064	100%	16	1	62	17	B	283	1187	19	1	1051	0	0	0	1,491	1566668	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,693	100%	10	1	56	20	C	292	712	13	2	1197	0	0	0	785	939841	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,990	100%	26	5	53	23	C	318	1901	36	6	1252	0	0	0	2,014	2522199	9
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,230	100%	16	1	62	13	B	334	883	14	1	814	0	0	0	1,432	1166006	4
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,901	99%	33	1	63	12	B	367	1678	27	1	725	0	0	0	3,055	2215639	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,364	99%	34	2	60	14	B	401	1911	32	2	841	0	0	0	3,000	2523000	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,153	98%	40	1	63	10	A	441	1520	24	1	615	0	0	0	3,726	2292022	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	48	1	64	17	B	48	2705	43	1	905	0	0	0	4,498	4071333	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	36	6	55	22	C	84	2673	49	8	1220	0	0	0	2,800	3438167	12
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	62	17	B	109	1859	30	1	1081	0	0	0	2,271	2453816	8
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,509	100%	15	3	54	23	C	124	1254	23	4	1380	0	0	0	1,200	1655700	5
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,672	100%	41	11	48	34	D	165	3622	75	20	1688	0	0	0	2,800	4670167	18
California Ave Off Ramp to California Ave On Ramp	5,673	5,649	100%	14	1	61	23	C	179	1315	21	1	1412	0	0	0	1,229	1735655	5
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,456	99%	33	7	51	30	D	211	2999	59	13	1614	0	0	0	2,433	3926862	14
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,612	100%	41	2	62	18	C	252	3244	52	2	1153	0	0	0	3,714	4282242	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,719	100%	6	1	47	25	C	257	412	9	2	1430	0	0	0	381	544735	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	6,011	100%	26	4	54	26	D	283	2285	43	7	1503	0	0	0	2,004	3011678	10
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,434	99%	35	1	62	18	B	318	2677	43	2	1169	0	0	0	3,189	3535007	11
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,883	99%	84	27	50	31	D	402	5672	114	37	1395	0	0	0	5,403	7537957	32
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,876	99%	20	1	61	16	B	422	964	16	1	959	0	0	0	1,770	1696840	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	3,017	99%	10	0	62	15	B	431	511	8	0	1096	0	0	0	694	899066	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	3,086	97%	52	2	62	16	B	484	2790	45	2	1029	0	0	0	4,777	4913941	14
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	43	4	55	8	A	43	570	10	1	576	0	0	0	3,523	2030422	5
SR99 On Ramp to H St Off Ramp	3,419	3,370	99%	10	1	58	19	C	53	557	10	1	1123	0	0	0	870	977300	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	37	3	60	21	C	91	1867	31	3	1206	0	0	0	3,285	3936284	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,561	100%	30	4	56	30	D	120	1644	29	4	1781	0	0	0	2,419	4307433	14
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	61	25	C	137	873	14	1	1504	0	0	0	1,533	2304866	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,200	99%	9	1	58	23	C	146	448	8	1	1600	0	0	0	739	1182400	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,429	99%	75	5	60	28	D	221	4260	71	5	1715	0	0	0	6,567	11259942	35
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	68	3	62	25	C	68	3802	58	2	1533	0	0	0	6,193	9490773	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	61	22	C	85	810	13	1	1373	0	0	0	1,558	2139134	7
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,952	100%	13	1	59	22	C	98	605	10	1	1477	0	0	0	1,082	1598114	5
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,296	100%	24	3	57	27	D	122	1287	22	3	1653	0	0	0	2,060	3405180	10
Chester Ave Off Ramp to H St On Ramp	2,832	2,832	100%	40	2	61	23	C	162	1939	32	2	1131	0	0	0	3,579	5119760	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,291	100%	28	4	57	28	D	190	1473	26	3	1653	0	0	0	2,350	3883375	12
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,207	100%	27	2	57	20	C	217	959	17	1	1129	0	0	0	2,163	2441486	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: PCFC-60% (VEH constant, CFS at default, PCFC-60%)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	50	1	64	13	B	50	2159	34	1	819	0	0	0	4,648	3804388	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,100	100%	19	1	63	11	B	69	703	11	0	700	0	0	0	1,768	1237600	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,231	99%	7	1	53	17	B	76	340	6	1	1077	0	0	0	555	597735	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,722	100%	75	4	61	19	C	151	4727	78	5	1067	0	0	0	6,635	7144043	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,319	100%	25	1	62	14	B	176	1449	24	1	833	0	0	0	2,291	1809262	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,534	100%	13	3	49	21	C	189	800	16	4	1140	0	0	0	926	1055409	4
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,097	100%	32	1	62	12	B	221	1705	27	1	779	0	0	0	2,890	2250508	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	15	B	230	594	10	1	929	0	0	0	844	784287	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	36	5	58	20	C	267	2785	48	6	1196	0	0	0	3,000	3588750	12
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,064	100%	16	1	62	16	B	283	1158	19	1	1025	0	0	0	1,491	1528275	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,673	100%	10	1	55	19	C	293	695	13	2	1168	0	0	0	785	917076	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,891	98%	26	5	52	23	C	319	1656	36	7	1223	0	0	0	2,014	2462619	9
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,176	98%	16	1	62	13	B	335	861	14	0	794	0	0	0	1,432	1137008	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,860	98%	33	1	63	11	B	368	1655	28	1	715	0	0	0	3,055	2184325	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,336	98%	34	2	61	13	B	402	1895	31	2	834	0	0	0	3,000	2501625	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,145	98%	40	1	63	10	A	442	1513	24	1	613	0	0	0	3,726	2282973	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	48	1	64	17	B	48	2705	43	1	905	0	0	0	4,498	4072618	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	35	5	56	22	C	83	2665	48	7	1227	0	0	0	2,800	3436067	12
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	62	17	B	108	1844	30	1	1072	0	0	0	2,271	2433944	7
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,503	100%	15	2	54	23	C	123	1251	23	4	1376	0	0	0	1,200	1650900	5
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,639	99%	40	11	48	34	D	164	3588	75	19	1660	0	0	0	2,800	4647067	18
California Ave Off Ramp to California Ave On Ramp	5,673	5,672	100%	14	1	60	24	C	178	1320	22	2	1418	0	0	0	1,229	1742722	6
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,465	99%	36	11	47	34	D	214	3067	65	19	1616	0	0	0	2,433	3932134	16
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,589	99%	41	2	63	18	C	255	3228	52	2	1147	0	0	0	3,714	4260887	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,632	98%	5	1	50	23	C	260	406	8	2	1408	0	0	0	381	536448	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,899	98%	25	4	55	25	C	285	2239	41	6	1475	0	0	0	2,004	2955232	10
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,338	97%	35	1	63	17	B	320	2620	42	2	1084	0	0	0	3,189	3458072	10
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,792	97%	64	7	58	24	C	383	4946	85	9	1369	0	0	0	5,403	7397479	25
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,810	97%	19	1	62	15	B	403	942	15	1	937	0	0	0	1,770	1657900	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	2,948	97%	10	0	62	14	B	413	499	8	0	983	0	0	0	894	878504	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	3,032	95%	52	2	62	16	B	465	2741	44	2	1011	0	0	0	4,777	4827159	14
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	43	4	55	8	A	43	568	10	1	574	0	0	0	3,523	2022202	5
SR99 On Ramp to H St Off Ramp	3,419	3,418	100%	10	1	58	20	C	54	575	10	1	1160	0	0	0	870	1009345	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	37	3	60	22	C	91	1923	32	2	1243	0	0	0	3,265	4057742	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,562	100%	29	4	56	31	D	120	1683	30	4	1624	0	0	0	2,419	4412256	14
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	61	25	C	137	899	15	1	1548	0	0	0	1,533	2372318	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,226	100%	9	1	58	24	C	146	459	8	1	1642	0	0	0	739	1213069	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,469	100%	75	6	60	29	D	221	4379	73	5	1763	0	0	0	6,567	11579263	36
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	68	3	62	25	C	68	3604	58	3	1533	0	0	0	6,193	9495417	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	62	22	C	85	803	13	1	1361	0	0	0	1,558	2119659	7
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,936	99%	12	1	59	22	C	98	602	10	1	1468	0	0	0	1,002	1568376	4
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,280	100%	25	3	57	27	D	122	1277	22	3	1640	0	0	0	2,060	3378743	10
Chester Ave Off Ramp to H St On Ramp	2,832	2,828	100%	40	2	61	23	C	162	1916	31	2	1414	0	0	0	3,579	5059811	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,287	100%	28	4	56	28	D	190	1467	26	3	1644	0	0	0	2,350	3862617	12
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,207	100%	27	1	57	20	C	217	940	16	1	1107	0	0	0	2,163	2393900	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: PCFC-70% (VEH constant, CFS at default, PCFC-70%)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	49	1	64	13	B	49	2158	34	1	818	0	0	0	4,648	3803613	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,086	99%	19	1	63	11	A	68	699	11	0	695	0	0	0	1,768	1229349	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,219	99%	7	1	52	18	B	76	338	7	1	1073	0	0	0	555	595515	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,721	100%	74	4	61	19	C	150	4710	77	4	1053	0	0	0	6,635	7116785	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,296	99%	25	1	62	13	B	175	1433	23	1	824	0	0	0	2,291	1887498	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,526	100%	13	3	50	20	C	188	794	16	4	1132	0	0	0	926	1047769	4
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,077	99%	31	1	63	12	B	219	1684	27	1	769	0	0	0	2,890	2223133	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	14	B	229	588	10	1	920	0	0	0	844	776269	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,724	100%	35	4	59	20	C	265	2742	47	5	1181	0	0	0	3,000	3543000	11
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,026	99%	16	1	63	16	B	281	1137	18	1	1097	0	0	0	1,491	1500892	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,597	98%	9	1	57	18	C	290	684	12	1	1149	0	0	0	785	902161	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,821	97%	26	4	54	22	C	316	1833	34	6	1205	0	0	0	2,014	2427206	8
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,080	95%	16	0	63	12	B	331	835	13	0	770	0	0	0	1,432	1102640	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,816	96%	33	1	63	11	B	364	1829	26	1	704	0	0	0	3,055	2150720	6
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,275	96%	34	2	61	13	B	398	1861	31	2	819	0	0	0	3,000	2456250	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,111	96%	40	1	63	10	A	438	1489	24	1	603	0	0	0	3,726	2246778	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	48	1	64	17	B	48	2706	43	1	906	0	0	0	4,498	4073260	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	35	5	56	22	C	83	2654	48	7	1228	0	0	0	2,800	3437700	11
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	62	17	B	108	1841	30	1	1070	0	0	0	2,271	2430538	7
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,498	100%	15	3	54	23	C	123	1250	23	4	1375	0	0	0	1,200	1649400	5
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,640	99%	41	11	48	34	D	165	3623	76	21	1660	0	0	0	2,800	4648000	18
California Ave Off Ramp to California Ave On Ramp	5,673	5,575	98%	14	1	60	23	C	178	1298	22	2	1394	0	0	0	1,229	1712919	5
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,374	98%	34	9	49	31	D	213	2986	61	15	1594	0	0	0	2,433	3876986	14
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,540	98%	40	2	63	18	C	253	3194	51	2	1135	0	0	0	3,714	4215390	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,572	97%	5	1	49	23	C	259	402	8	2	1393	0	0	0	381	530733	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,827	97%	25	4	54	25	C	284	2208	41	6	1457	0	0	0	2,004	2919169	9
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,279	96%	35	1	63	17	B	318	2584	41	2	1070	0	0	0	3,189	3411034	10
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,750	96%	64	7	58	24	C	382	4906	84	9	1357	0	0	0	5,403	7332257	24
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,811	97%	19	1	63	15	B	401	942	15	1	937	0	0	0	1,770	1658490	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	2,942	97%	10	0	62	14	B	411	498	8	0	981	0	0	0	894	876716	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	3,011	95%	52	2	62	16	B	463	2724	44	2	1004	0	0	0	4,777	4793720	14
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	43	4	55	8	A	43	571	10	1	577	0	0	0	3,523	2033945	5
SR99 On Ramp to H St Off Ramp	3,419	3,419	100%	10	1	58	20	C	53	567	10	1	1144	0	0	0	870	995260	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	37	3	60	21	C	91	1873	31	2	1210	0	0	0	3,265	3951303	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,562	100%	29	4	57	30	D	120	1653	29	4	1791	0	0	0	2,419	4332429	14
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	61	25	C	137	893	15	1	1539	0	0	0	1,533	2359287	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,226	100%	9	1	57	24	C	146	458	8	1	1634	0	0	0	739	1207526	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,469	100%	75	6	60	29	D	221	4343	73	5	1748	0	0	0	6,567	11481579	36
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	68	3	82	25	C	68	3604	58	3	1533	0	0	0	6,193	9494643	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	62	22	C	85	806	13	1	1367	0	0	0	1,558	2129007	7
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,946	100%	12	1	59	22	C	98	604	10	1	1473	0	0	0	1,082	1593786	4
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,287	100%	24	3	57	27	D	122	1280	22	3	1644	0	0	0	2,060	3385610	10
Chester Ave Off Ramp to H St On Ramp	2,832	2,832	100%	40	2	61	23	C	162	1923	31	2	1419	0	0	0	3,579	5076812	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,286	100%	28	4	56	28	D	190	1466	26	3	1643	0	0	0	2,350	3861050	12
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,207	100%	27	1	57	20	C	217	953	17	1	1123	0	0	0	2,153	2429590	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: CFS+10%_PCFC-10%_normal (VEH normal distribution, CFS+10%, PCFC-10%)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	49	1	64	13	B	49	2158	34	1	818	0	0	0	4,648	3802839	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,105	100%	19	1	63	11	B	68	705	11	0	702	0	0	0	1,768	1240547	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,251	100%	7	1	52	18	B	76	342	7	1	1084	0	0	0	555	601435	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,722	100%	75	5	61	19	C	151	4728	78	5	1067	0	0	0	6,695	7143565	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,319	100%	25	1	82	13	B	176	1444	23	1	830	0	0	0	2,291	1900957	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,534	100%	13	4	47	21	C	189	799	17	4	1139	0	0	0	926	1054714	4
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,097	100%	32	1	63	12	B	221	1698	27	1	776	0	0	0	2,890	2241195	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	14	B	231	590	10	1	924	0	0	0	844	779434	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	36	4	58	20	C	267	2758	47	6	1186	0	0	0	3,000	3557500	11
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,052	100%	16	1	62	16	B	283	1144	18	1	1013	0	0	0	1,491	1510383	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,629	99%	10	2	54	19	C	293	688	13	2	1157	0	0	0	785	908441	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,845	97%	27	6	50	23	C	320	1848	37	8	1211	0	0	0	2,014	2439625	9
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,086	96%	16	1	62	12	B	336	837	13	0	772	0	0	0	1,432	1104788	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,804	96%	33	1	63	11	B	389	1623	26	1	701	0	0	0	3,055	2141555	6
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,268	96%	34	2	60	13	B	403	1857	31	2	817	0	0	0	3,000	2450625	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,069	94%	40	1	63	10	A	443	1450	23	1	591	0	0	0	3,726	2202598	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	49	1	63	17	B	49	2704	43	1	905	0	0	0	4,498	4068762	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	37	7	54	23	C	85	2706	50	10	1236	0	0	0	2,800	3480567	12
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	62	17	B	110	1851	30	2	1076	0	0	0	2,271	2443028	8
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,509	100%	18	6	45	28	D	129	1256	28	9	1381	0	0	0	1,200	1657500	6
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,633	99%	46	16	43	38	E	175	3719	86	30	1658	0	0	0	2,800	4643100	20
California Ave Off Ramp to California Ave On Ramp	5,673	5,603	99%	14	2	58	24	C	190	1304	22	2	1401	0	0	0	1,229	1721522	6
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,407	98%	38	13	45	35	E	228	3087	68	22	1602	0	0	0	2,433	3897058	16
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,582	99%	41	2	62	18	C	269	3223	52	2	1146	0	0	0	3,714	4254387	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,661	99%	6	2	43	27	D	275	408	9	3	1415	0	0	0	381	539210	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,945	99%	30	9	45	31	D	305	2236	50	15	1486	0	0	0	2,004	2978445	12
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,350	97%	35	2	62	18	B	340	2626	42	2	1087	0	0	0	3,189	3467639	11
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,810	98%	71	14	54	26	D	411	5059	94	18	1374	0	0	0	5,403	7424494	27
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,834	98%	19	1	62	15	B	430	950	15	1	946	0	0	0	1,770	1672060	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	2,970	98%	10	0	62	14	B	440	503	8	0	990	0	0	0	894	885050	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	3,047	96%	52	2	62	16	B	492	2754	44	2	1016	0	0	0	4,777	4851044	14
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	44	4	55	8	A	44	574	11	1	579	0	0	0	3,523	2039817	5
SR99 On Ramp to H St Off Ramp	3,419	3,419	100%	10	1	58	20	C	54	572	10	1	1153	0	0	0	870	1003400	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	37	3	60	22	C	91	1926	32	3	1244	0	0	0	3,285	4062966	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,562	100%	30	4	55	31	D	121	1687	30	4	1829	0	0	0	2,419	4425157	14
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	61	25	C	138	898	15	1	1546	0	0	0	1,533	2370018	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,226	100%	9	1	56	23	C	147	460	8	1	1642	0	0	0	739	1213438	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,469	100%	75	6	59	29	D	222	4369	74	6	1758	0	0	0	6,567	11543965	36
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	68	3	62	25	C	68	3604	58	3	1533	0	0	0	6,183	9404643	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	61	22	C	86	802	13	1	1360	0	0	0	1,558	2118101	7
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,934	99%	13	1	59	22	C	98	601	10	1	1467	0	0	0	1,082	1587294	5
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,284	100%	25	3	57	27	D	123	1280	23	3	1642	0	0	0	2,060	3382177	10
Chester Ave Off Ramp to H St On Ramp	2,832	2,805	99%	40	2	61	23	C	163	1901	31	2	1403	0	0	0	3,579	5019548	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,266	99%	29	4	56	28	D	192	1457	26	4	1633	0	0	0	2,350	3837550	12
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,207	100%	27	1	57	20	C	219	941	17	1	1107	0	0	0	2,163	2394982	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: CFS+10%_PCFC-30%_normal (VEH normal distribution, CFS+10%, PCFC-30%)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	50	1	64	13	B	50	2158	34	1	818	0	0	0	4,648	3802839	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,109	100%	19	1	63	11	B	69	706	11	0	703	0	0	0	1,768	1242904	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,239	99%	7	1	52	17	B	76	341	6	1	1080	0	0	0	555	599215	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,722	100%	75	4	61	19	C	151	4716	78	5	1064	0	0	0	6,695	7126349	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,274	99%	25	1	62	13	B	176	1424	23	1	819	0	0	0	2,291	1875184	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,487	99%	13	3	48	21	C	189	787	16	4	1122	0	0	0	926	1038741	4
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,097	100%	32	1	63	12	B	221	1700	27	1	777	0	0	0	2,890	2244085	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	15	B	231	593	10	1	928	0	0	0	844	783443	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	36	4	58	20	C	267	2781	48	6	1194	0	0	0	3,000	3581000	12
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,045	100%	16	1	62	16	B	283	1142	18	1	1011	0	0	0	1,491	1507774	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,619	98%	10	1	56	19	C	293	687	12	2	1155	0	0	0	785	906479	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,837	97%	26	5	52	22	C	319	1842	36	7	1209	0	0	0	2,014	2435597	9
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,146	97%	16	1	62	13	B	335	853	14	0	787	0	0	0	1,432	1126268	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,858	98%	33	1	63	11	B	368	1654	26	1	715	0	0	0	3,055	2182798	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,337	98%	34	3	60	14	B	402	1896	32	2	834	0	0	0	3,000	2502375	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,091	95%	40	1	63	10	A	442	1476	23	1	597	0	0	0	3,726	2226019	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	49	1	63	17	B	49	2704	43	1	905	0	0	0	4,498	4069405	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	36	7	54	22	C	85	2676	50	9	1228	0	0	0	2,800	3438167	12
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	62	17	B	110	1836	30	1	1067	0	0	0	2,271	2423157	7
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,507	100%	17	4	49	25	C	126	1251	25	6	1377	0	0	0	1,200	1652100	6
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,636	99%	44	14	45	36	E	170	3655	80	25	1659	0	0	0	2,800	4644967	19
California Ave Off Ramp to California Ave On Ramp	5,673	5,612	99%	14	1	59	24	C	184	1306	22	2	1403	0	0	0	1,229	1724287	6
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,435	99%	39	13	45	36	E	223	3123	70	24	1609	0	0	0	2,433	3914089	16
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,589	99%	41	2	62	18	C	264	3228	52	2	1147	0	0	0	3,714	4260687	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,670	99%	6	2	43	27	D	270	409	9	3	1418	0	0	0	381	540068	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,945	99%	28	7	49	28	D	298	2249	46	11	1486	0	0	0	2,004	2978612	11
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,367	98%	35	1	62	18	B	333	2636	42	2	1092	0	0	0	3,189	3481591	11
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,802	97%	97	40	45	35	D	430	5848	130	54	1372	0	0	0	5,403	7413302	36
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,823	97%	20	1	61	15	B	450	946	15	1	941	0	0	0	1,770	1665570	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	2,960	97%	10	0	62	14	B	460	501	8	0	987	0	0	0	894	882000	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	3,041	96%	52	2	62	16	B	512	2748	44	2	1014	0	0	0	4,777	4842286	14
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	43	4	55	8	A	43	570	10	1	576	0	0	0	3,523	2030422	5
SR99 On Ramp to H St Off Ramp	3,419	3,419	100%	10	1	58	20	C	53	566	10	1	1142	0	0	0	870	993395	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	37	3	60	21	C	91	1881	32	3	1215	0	0	0	3,265	3966322	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,562	100%	30	5	55	31	D	121	1653	30	5	1790	0	0	0	2,419	4330413	14
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	61	25	C	138	880	14	1	1517	0	0	0	1,533	2324795	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,225	100%	9	1	57	23	C	147	451	8	1	1613	0	0	0	739	1191638	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,469	100%	75	6	60	28	D	222	4310	72	6	1735	0	0	0	6,567	11392103	35
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	68	3	62	25	C	68	3604	58	3	1533	0	0	0	6,193	9494643	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	61	22	C	86	803	13	1	1361	0	0	0	1,558	2120438	7
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,932	99%	13	1	59	22	C	99	601	10	1	1466	0	0	0	1,082	1586212	4
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,284	100%	25	3	56	27	D	123	1280	23	3	1642	0	0	0	2,060	3382177	11
Chester Ave Off Ramp to H St On Ramp	2,832	2,813	99%	40	2	61	23	C	163	1907	31	2	1407	0	0	0	3,579	5033864	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,268	99%	29	4	55	28	D	192	1458	26	4	1624	0	0	0	2,350	3839508	12
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,198	100%	27	1	57	20	C	219	934	16	1	1099	0	0	0	2,163	2376596	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: CFS+10%_PCFC-50%_normal (VEH normal distribution, CFS+10%, PCFC-50%)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	49	1	64	13	B	49	2157	34	1	818	0	0	0	4,648	3802839	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,092	99%	19	1	63	11	A	68	701	11	0	697	0	0	0	1,768	1232885	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,232	99%	7	2	51	18	B	76	340	7	1	1077	0	0	0	555	597920	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,707	100%	75	4	61	19	C	150	4694	77	4	1059	0	0	0	6,685	7090961	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,316	100%	25	1	62	13	B	176	1442	23	1	829	0	0	0	2,291	1898953	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,534	100%	14	4	47	22	C	189	800	17	5	1149	0	0	0	926	1055409	4
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,097	100%	32	1	62	12	B	221	1704	27	1	779	0	0	0	2,890	2249865	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	14	B	230	594	10	1	929	0	0	0	844	783865	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	36	4	59	20	C	266	2765	47	5	1194	0	0	0	3,000	3580500	11
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,064	100%	16	1	62	16	B	282	1155	19	1	1022	0	0	0	1,491	1524175	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,664	99%	10	1	56	19	C	292	693	12	2	1166	0	0	0	785	915310	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,892	98%	26	5	52	22	C	318	1654	35	6	1223	0	0	0	2,014	2463122	9
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,194	99%	16	1	62	13	B	334	856	14	0	799	0	0	0	1,432	1143452	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,851	97%	33	1	63	11	B	367	1649	26	1	713	0	0	0	3,055	2177451	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,330	98%	34	2	60	14	B	401	1892	32	2	833	0	0	0	3,000	2497500	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,140	98%	40	1	63	10	A	441	1510	24	1	611	0	0	0	3,726	2278183	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	49	2	63	17	B	49	2704	43	1	904	0	0	0	4,498	4068120	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	37	7	54	23	C	85	2692	50	9	1230	0	0	0	2,800	3444933	12
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	62	18	B	110	1871	30	2	1068	0	0	0	2,271	2469713	8
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,509	100%	16	4	50	25	C	127	1271	25	6	1398	0	0	0	1,200	1677600	6
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,695	100%	44	14	45	37	E	170	3654	81	25	1674	0	0	0	2,800	4686600	20
California Ave Off Ramp to California Ave On Ramp	5,673	5,673	100%	14	1	60	24	C	184	1327	22	2	1425	0	0	0	1,229	1751632	5
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,506	100%	39	13	45	36	E	223	3114	70	23	1627	0	0	0	2,433	3957275	17
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,564	99%	41	2	62	18	C	264	3210	52	2	1141	0	0	0	3,714	4237674	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,651	98%	5	1	50	23	C	269	408	8	2	1413	0	0	0	381	538258	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,922	98%	26	5	53	26	D	295	2254	43	8	1480	0	0	0	2,004	2966755	10
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,312	96%	35	1	62	17	B	330	2605	42	2	1078	0	0	0	3,189	3437742	10
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,745	96%	100	43	44	36	E	430	5804	132	57	1356	0	0	0	5,403	7324924	35
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,799	97%	20	1	61	15	B	450	938	15	1	933	0	0	0	1,770	1651410	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	2,935	97%	10	0	61	14	B	460	497	8	0	978	0	0	0	894	874630	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	3,003	95%	52	2	62	16	B	512	2715	44	2	1001	0	0	0	4,777	4781777	14
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	43	4	55	8	A	43	570	10	1	576	0	0	0	3,523	2028074	5
SR99 On Ramp to H St Off Ramp	3,419	3,419	100%	10	1	58	20	C	53	590	10	1	1191	0	0	0	870	1036170	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	37	3	60	22	C	91	1971	33	3	1273	0	0	0	3,265	4155692	14
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,562	100%	30	4	55	32	D	121	1727	31	5	1869	0	0	0	2,419	4521111	15
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	61	26	C	138	919	15	1	1563	0	0	0	1,533	2426739	8
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,226	100%	9	1	58	24	C	147	469	8	1	1675	0	0	0	739	1237456	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,469	100%	75	6	59	29	D	222	4455	75	6	1793	0	0	0	6,567	11772168	37
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	68	3	62	25	C	88	3603	58	3	1533	0	0	0	6,193	9493869	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	61	23	C	86	814	13	1	1379	0	0	0	1,558	2148482	7
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,952	100%	13	1	58	22	C	98	609	10	1	1485	0	0	0	1,082	1606770	5
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,296	100%	25	3	56	27	D	123	1293	23	3	1658	0	0	0	2,080	3415480	11
Chester Ave Off Ramp to H St On Ramp	2,832	2,819	100%	40	3	61	23	C	163	1910	31	2	1409	0	0	0	3,579	5043706	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,287	100%	29	4	56	28	D	192	1466	26	3	1643	0	0	0	2,350	3861833	12
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,207	100%	27	2	56	20	C	219	951	17	1	1119	0	0	0	2,153	2419856	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: CFS+30%_PCFC-10%_normal (VEH normal distribution, CFS+30%, PCFC-10%)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vph)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	50	1	64	13	B	50	2158	34	1	818	0	0	0	4,648	3803613	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,095	99%	19	1	63	11	B	69	701	11	0	698	0	0	0	1,768	1234653	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,242	99%	7	1	53	17	B	76	341	6	1	1081	0	0	0	555	599770	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,721	100%	75	5	61	19	C	151	4711	78	5	1063	0	0	0	6,695	7117741	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,319	100%	25	1	62	14	B	177	1452	24	1	833	0	0	0	2,291	1908403	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,534	100%	15	5	41	24	C	192	797	19	7	1136	0	0	0	926	1052168	4
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,097	100%	32	1	62	13	B	224	1718	28	1	785	0	0	0	2,890	2267928	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	15	B	233	597	10	1	934	0	0	0	844	788985	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	37	5	57	21	C	270	2834	50	7	1213	0	0	0	3,000	3639750	12
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,064	100%	16	1	62	17	B	287	1171	19	1	1037	0	0	0	1,491	1546167	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,693	100%	10	2	54	20	C	296	701	13	2	1180	0	0	0	785	925908	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,939	99%	31	9	45	26	D	327	1884	42	13	1235	0	0	0	2,014	2466954	10
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,210	99%	16	1	61	13	B	343	871	14	1	803	0	0	0	1,432	1149180	4
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,897	99%	33	1	63	12	B	376	1676	27	1	724	0	0	0	3,055	2212584	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,375	99%	35	3	59	14	B	411	1917	33	3	844	0	0	0	3,000	2531250	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,104	96%	40	1	63	10	A	451	1485	24	1	601	0	0	0	3,726	2239858	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	49	2	63	17	B	49	2705	43	1	905	0	0	0	4,498	4069405	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	40	10	50	25	C	89	2744	55	14	1234	0	0	0	2,800	3453800	13
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	28	4	56	19	C	116	1852	33	5	1076	0	0	0	2,271	2444164	8
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,442	99%	30	25	21	58	F	155	1237	58	39	1361	2	31	27	1,200	1632600	13
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,492	97%	60	29	33	49	F	215	3546	108	52	1623	1	89	19	2,800	4544400	26
California Ave Off Ramp to California Ave On Ramp	5,673	5,509	97%	38	25	22	63	F	253	1282	58	39	1377	2	32	26	1,229	1692640	15
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,272	96%	47	21	41	41	E	300	3318	82	36	1568	0	0	0	2,433	3814741	19
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,491	97%	41	2	61	18	C	341	3159	51	3	1123	0	0	0	3,714	4169894	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,524	96%	5	1	48	24	C	346	399	8	2	1381	0	0	0	381	526161	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,793	96%	26	5	52	26	D	373	2209	42	8	1446	0	0	0	2,004	2902293	10
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,292	96%	35	2	62	17	B	408	2592	42	2	1073	0	0	0	3,189	3421797	10
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,650	95%	129	72	30	48	F	537	4984	167	93	1331	1	125	42	5,403	7190621	49
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,629	91%	20	1	61	14	B	557	881	14	1	876	0	0	0	1,770	1551110	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	2,771	91%	10	0	62	13	B	566	469	8	0	924	0	0	0	894	825758	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	2,843	89%	52	2	62	15	B	619	2569	41	2	948	0	0	0	4,777	4526208	13
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	44	5	54	8	A	44	561	10	1	566	0	0	0	3,523	1992844	5
SR99 On Ramp to H St Off Ramp	3,419	3,315	97%	10	1	58	19	C	54	548	9	1	1105	0	0	0	870	961205	3
H St Off Ramp to Chester Ave On Ramp	3,003	2,950	98%	37	3	60	21	C	92	1827	31	3	1160	0	0	0	3,265	3852700	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,500	98%	31	6	53	31	D	123	1616	30	6	1750	0	0	0	2,419	4233250	14
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	2,988	99%	17	1	61	25	C	140	868	14	1	1494	0	0	0	1,533	2290302	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,177	98%	9	1	58	23	C	149	445	8	1	1589	0	0	0	739	1173902	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,422	99%	75	6	59	28	D	224	4255	72	6	1711	0	0	0	6,567	11236958	35
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	69	4	62	25	C	69	3603	58	3	1533	0	0	0	6,193	9495417	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	61	22	C	86	798	13	1	1353	0	0	0	1,558	2107195	7
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,912	99%	13	1	58	22	C	99	597	10	1	1456	0	0	0	1,082	1575392	4
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,260	99%	25	3	56	27	D	124	1271	23	3	1630	0	0	0	2,080	3358143	11
Chester Ave Off Ramp to H St On Ramp	2,832	2,832	100%	40	3	61	23	C	164	1921	32	2	1417	0	0	0	3,579	5071443	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,282	100%	30	5	54	29	D	194	1464	27	5	1641	0	0	0	2,350	3856350	13
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,177	98%	27	1	57	19	C	221	922	16	1	1086	0	0	0	2,163	2353885	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: CFS+30%_PCFC-30%_normal (VEH normal distribution, CFS+30%, PCFC-30%)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	50	1	64	13	B	50	2158	34	1	818	0	0	0	4,648	3802839	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,097	99%	19	1	63	11	B	69	702	11	0	699	0	0	0	1,768	1235632	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,244	99%	7	2	51	18	C	76	341	7	1	1081	0	0	0	555	600140	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,722	100%	75	5	61	19	C	151	4714	78	5	1084	0	0	0	6,695	7122524	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,276	99%	25	1	62	13	B	176	1426	23	1	819	0	0	0	2,291	1876043	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,486	99%	15	5	41	24	C	192	787	19	7	1122	0	0	0	926	1038509	4
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,069	99%	32	1	62	12	B	223	1680	27	1	767	0	0	0	2,890	2217353	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	14	B	233	587	10	1	916	0	0	0	844	775003	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	36	5	57	20	C	270	2767	48	6	1187	0	0	0	3,000	3562250	12
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,062	100%	16	1	62	16	B	286	1147	18	1	1016	0	0	0	1,491	1514111	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,638	99%	10	2	55	19	C	296	690	13	2	1160	0	0	0	785	910208	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,850	97%	28	7	49	24	C	324	1844	38	9	1212	0	0	0	2,014	2441807	9
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,174	98%	16	1	62	13	B	339	861	14	1	794	0	0	0	1,432	1136292	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,859	98%	33	1	63	11	B	372	1654	26	1	715	0	0	0	3,055	2183561	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,327	98%	34	3	60	14	B	407	1890	32	2	832	0	0	0	3,000	2494875	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,144	98%	40	1	63	10	A	447	1513	24	1	613	0	0	0	3,726	2282441	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	49	2	63	17	B	49	2704	43	1	985	0	0	0	4,498	4069405	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	38	8	52	23	C	87	2680	52	11	1226	0	0	0	2,800	3431867	12
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	26	2	59	18	C	113	1846	31	3	1073	0	0	0	2,271	2436215	8
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,492	100%	31	18	27	47	F	144	1248	47	27	1373	1	31	16	1,200	1647600	11
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,573	98%	52	21	39	42	E	195	3711	94	39	1643	1	93	2	2,800	4601100	22
California Ave Off Ramp to California Ave On Ramp	5,673	5,524	97%	19	6	43	32	D	215	1286	30	10	1381	0	0	0	1,229	1697249	7
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,350	97%	45	18	41	40	E	260	3204	79	33	1580	0	0	0	2,433	3962388	18
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,504	97%	53	13	48	23	C	312	3168	66	17	1126	0	0	0	3,714	4181964	17
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,334	93%	10	5	26	41	E	322	385	15	8	1334	2	10	5	381	508064	3
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,644	94%	37	15	38	35	E	359	2152	57	24	1411	1	54	4	2,004	2827644	13
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,142	93%	35	2	62	17	B	394	2502	40	2	1036	0	0	0	3,189	3302210	10
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,622	94%	77	20	50	27	D	471	4979	99	26	1321	0	0	0	5,403	7135433	28
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,698	93%	20	1	62	15	B	491	904	15	1	899	0	0	0	1,770	1591820	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	2,836	93%	10	0	62	14	B	501	480	8	0	945	0	0	0	894	845128	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	2,900	91%	52	2	62	15	B	553	2622	42	2	967	0	0	0	4,777	4617767	14
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	45	5	54	8	A	45	581	11	1	585	0	0	0	3,523	2060955	5
SR99 On Ramp to H St Off Ramp	3,419	3,410	100%	10	1	58	20	C	55	563	10	1	1137	0	0	0	870	988755	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	38	3	59	21	C	93	1867	32	3	1206	0	0	0	3,265	3937590	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,562	100%	31	5	54	32	D	124	1646	31	5	1783	0	0	0	2,419	4312674	15
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	60	25	C	141	887	15	1	1528	0	0	0	1,533	2342424	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,226	100%	9	1	58	23	C	150	455	8	1	1627	0	0	0	739	1201984	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,409	100%	76	7	59	29	D	226	4342	74	6	1747	0	0	0	6,567	11470907	36
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	68	3	62	25	C	68	3604	58	3	1534	0	0	0	6,193	9497740	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	61	22	C	86	805	13	1	1364	0	0	0	1,558	2125112	7
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,941	100%	13	1	58	22	C	98	603	10	1	1471	0	0	0	1,082	1591081	5
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,296	100%	25	3	56	27	D	123	1285	23	3	1648	0	0	0	2,060	3395567	11
Chester Ave Off Ramp to H St On Ramp	2,832	2,813	99%	40	3	61	23	C	164	1906	31	2	1406	0	0	0	3,579	5032969	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,267	99%	30	5	54	29	D	193	1456	27	4	1634	0	0	0	2,350	3838725	13
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,162	98%	33	7	51	22	C	226	995	20	4	1081	0	0	0	2,163	2338203	9

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: CFS+30%_PCFC-50%_normal (VEH normal distribution, CFS+30%, PCFC-50%)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	50	1	64	13	B	50	2158	34	1	818	0	0	0	4,648	3802064	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,110	100%	19	1	63	11	B	69	716	11	0	712	0	0	0	1,768	1259405	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,265	100%	8	2	50	19	C	76	344	7	2	1091	0	0	0	555	605690	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,722	100%	75	5	60	19	C	152	4754	79	5	1073	0	0	0	6,695	7182779	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,319	100%	25	1	62	14	B	177	1456	24	1	837	0	0	0	2,291	1916422	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,534	100%	15	5	42	24	C	192	800	19	6	1141	0	0	0	926	1056103	4
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,097	100%	32	1	62	13	B	224	1703	27	1	778	0	0	0	2,890	2248420	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	14	B	233	593	10	1	927	0	0	0	844	782599	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,717	99%	45	13	44	26	D	278	2631	59	17	1179	0	0	0	3,000	3538000	15
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,024	99%	16	1	62	16	B	295	1136	18	1	1066	0	0	0	1,491	1498946	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,600	98%	10	1	56	19	C	304	684	12	2	1150	0	0	0	785	902750	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,827	97%	29	7	48	24	C	333	1841	38	10	1207	0	0	0	2,014	2430562	9
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,112	96%	16	1	62	13	B	349	844	14	1	778	0	0	0	1,432	1114096	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,849	97%	33	1	63	11	B	382	1648	26	1	712	0	0	0	3,055	2175924	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,338	98%	35	3	59	14	B	417	1897	32	3	835	0	0	0	3,000	2503500	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,119	97%	40	1	63	10	A	457	1495	24	1	605	0	0	0	3,726	2255295	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	49	2	63	17	B	49	2705	43	1	905	0	0	0	4,498	4069405	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	37	8	53	23	C	86	2683	51	10	1229	0	0	0	2,800	3441900	12
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	61	17	B	111	1840	30	2	1069	0	0	0	2,271	2428267	7
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,489	100%	24	11	34	37	E	135	1247	37	17	1372	1	31	6	1,200	1646700	8
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,589	98%	50	19	41	41	E	185	3735	91	35	1647	0	0	0	2,800	4612300	22
California Ave Off Ramp to California Ave On Ramp	5,673	5,586	98%	18	5	47	30	D	203	1300	28	8	1397	0	0	0	1,229	1716299	7
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,389	98%	43	17	42	39	E	246	3200	76	30	1597	0	0	0	2,433	3885907	18
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,549	98%	41	2	62	18	C	287	3200	52	2	1137	0	0	0	3,714	4223747	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,683	99%	5	1	48	24	C	292	410	9	2	1421	0	0	0	381	541306	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,942	99%	27	6	51	27	D	319	2266	44	9	1486	0	0	0	2,004	2977109	10
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,415	99%	35	1	62	18	B	354	2666	43	2	1104	0	0	0	3,189	3519460	11
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,877	99%	75	18	51	28	D	429	5204	101	24	1393	0	0	0	5,403	7528309	29
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,853	98%	19	1	62	15	B	448	956	15	1	951	0	0	0	1,770	1683270	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	2,989	98%	10	1	62	15	B	458	506	8	0	996	0	0	0	894	890722	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	3,051	96%	52	2	62	16	B	511	2758	44	2	1017	0	0	0	4,777	4857413	14
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	44	5	54	8	A	44	572	11	1	577	0	0	0	3,523	2032771	5
SR99 On Ramp to H St Off Ramp	3,419	3,419	100%	10	1	58	20	C	54	567	10	1	1144	0	0	0	870	995280	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	38	3	59	21	C	92	1891	32	3	1221	0	0	0	3,265	3987218	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,562	100%	31	5	54	32	D	123	1660	31	5	1798	0	0	0	2,419	4348153	15
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	61	25	C	140	890	15	1	1533	0	0	0	1,533	2349323	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,226	100%	9	1	58	24	C	149	456	8	1	1630	0	0	0	739	1204201	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,459	100%	76	6	59	29	D	225	4353	74	6	1752	0	0	0	6,567	11504563	35
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	68	4	62	25	C	68	3803	58	3	1533	0	0	0	6,193	9493869	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	61	23	C	86	815	13	1	1382	0	0	0	1,558	2152377	7
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,952	100%	13	1	59	22	C	98	609	10	1	1486	0	0	0	1,082	1607652	5
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,296	100%	25	4	55	28	D	124	1294	23	3	1659	0	0	0	2,060	3417883	11
Chester Ave Off Ramp to H St On Ramp	2,832	2,832	100%	40	3	61	24	C	164	1946	32	2	1436	0	0	0	3,579	5138549	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,291	100%	30	5	54	29	D	194	1482	28	5	1662	0	0	0	2,350	3904917	13
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,207	100%	27	2	56	20	C	221	945	17	1	1115	0	0	0	2,163	2411204	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: CFS+50%_PCFC-10%_normal (VEH normal distribution, CFS+50%, PCFC-10%)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	50	1	64	13	B	50	2157	34	1	818	0	0	0	4,648	3803613	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,110	100%	19	1	63	11	B	69	708	11	0	705	0	0	0	1,768	1247029	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,262	100%	7	1	53	17	B	76	343	6	1	1087	0	0	0	555	603470	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,722	100%	76	6	60	19	C	152	4728	79	6	1067	0	0	0	6,695	7145000	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,306	100%	26	2	61	14	B	178	1443	24	2	827	0	0	0	2,291	1893512	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,516	100%	17	7	37	27	D	195	792	22	9	1129	1	20	2	926	1045454	5
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,097	100%	32	1	62	13	B	227	1702	28	1	778	0	0	0	2,890	2246975	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	15	B	237	593	10	1	927	0	0	0	844	782388	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,733	100%	38	6	55	21	C	275	2721	49	8	1103	0	0	0	3,000	3549750	12
California Ave Off Ramp to California Ave Loop On Ramp	4,064	3,690	91%	31	13	33	28	D	305	1042	31	13	923	1	26	5	1,491	1375448	8
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	3,633	77%	30	17	18	47	F	335	540	30	17	908	2	14	17	785	712976	7
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,245	85%	56	32	25	42	E	391	1637	66	38	1061	2	41	25	2,014	2137358	16
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	2,846	88%	16	1	61	12	B	407	772	13	1	712	0	0	0	1,432	1018868	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,613	89%	33	1	63	10	A	440	1512	24	1	653	0	0	0	3,055	1995679	6
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	2,976	87%	35	3	59	12	B	475	1691	29	3	744	0	0	0	3,000	2232000	7
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	1,867	85%	40	1	63	9	A	515	1318	21	1	533	0	0	0	3,726	1987555	6
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	49	2	63	17	B	49	2705	43	2	905	0	0	0	4,498	4069405	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	41	11	49	25	C	90	2756	56	15	1232	0	0	0	2,800	3450067	13
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	51	27	30	35	E	141	1850	61	32	1076	1	46	15	2,271	2442461	15
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	4,974	90%	53	40	15	73	F	194	1130	74	55	1244	3	28	46	1,206	1492200	17
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	5,776	86%	93	62	20	69	F	287	3033	149	100	1444	2	76	73	2,800	4043200	37
California Ave Off Ramp to California Ave On Ramp	5,673	4,856	86%	65	52	13	94	F	352	1130	88	70	1214	3	28	59	1,229	1492006	22
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	5,821	89%	49	22	41	37	E	401	3113	76	35	1405	0	0	0	2,433	3419176	17
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	3,975	86%	41	2	62	16	B	442	2796	45	2	994	0	0	0	3,714	3690788	11
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,065	88%	5	1	48	21	C	447	366	8	2	1265	0	0	0	381	482441	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,325	88%	27	6	51	24	C	474	2036	40	9	1331	0	0	0	2,004	2667992	9
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	3,958	89%	35	1	62	16	B	509	2391	38	2	990	0	0	0	3,189	3155516	10
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,412	90%	76	19	52	26	C	585	4810	93	23	1261	0	0	0	5,403	6810482	27
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,599	90%	19	1	62	14	B	604	871	14	1	866	0	0	0	1,770	1533410	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	2,738	90%	10	0	62	13	B	614	464	7	0	913	0	0	0	894	815924	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	2,807	88%	52	2	62	15	B	656	2537	41	2	936	0	0	0	4,777	4469660	13
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	46	6	52	8	A	46	576	11	2	578	0	0	0	3,523	2035120	6
SR99 On Ramp to H St Off Ramp	3,419	3,259	95%	10	1	57	19	C	56	538	9	1	1086	0	0	0	870	945110	3
H St Off Ramp to Chester Ave On Ramp	3,003	2,882	96%	38	4	59	20	C	94	1785	30	3	1153	0	0	0	3,265	3763892	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,420	96%	32	7	51	32	D	126	1558	31	6	1710	0	0	0	2,419	4136087	15
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	2,892	96%	17	1	60	24	C	144	840	14	1	1446	0	0	0	1,533	2216718	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,095	96%	9	1	58	22	C	152	433	8	1	1548	0	0	0	739	1143603	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,335	96%	76	7	59	28	D	229	4145	71	7	1667	0	0	0	6,567	10948831	34
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	69	4	61	25	C	69	3604	59	4	1534	0	0	0	6,193	9498666	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	18	1	61	22	C	87	804	13	1	1362	0	0	0	1,558	2121996	7
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,930	99%	13	2	57	22	C	99	600	10	1	1465	0	0	0	1,082	1585130	5
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,281	100%	26	5	53	29	D	126	1280	24	4	1641	0	0	0	2,060	3379773	11
Chester Ave Off Ramp to H St On Ramp	2,832	2,832	100%	41	3	60	24	C	166	1938	32	2	1430	0	0	0	3,579	5116181	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,291	100%	31	6	51	31	D	198	1475	29	6	1654	0	0	0	2,350	3886508	14
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,207	100%	27	2	56	20	C	225	961	17	1	1134	0	0	0	2,163	2452301	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: CFS+50%_PCFC-30%_normal (VEH normal distribution, CFS+50%, PCFC-30%)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	50	1	64	13	B	50	2159	34	1	819	0	0	0	4,648	3804398	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,110	100%	19	1	63	11	B	69	709	11	0	706	0	0	0	1,768	1247619	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,249	100%	7	1	52	18	B	76	342	7	1	1083	0	0	0	555	601065	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,722	100%	76	5	60	19	C	152	4718	78	5	1085	0	0	0	6,685	7129697	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,319	100%	25	2	62	13	B	177	1448	24	1	830	0	0	0	2,291	1902103	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,528	100%	16	6	40	25	C	193	794	20	7	1132	0	0	0	926	1046232	4
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,097	100%	32	1	62	13	B	225	1703	27	1	778	0	0	0	2,890	2247698	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	14	B	234	593	10	1	927	0	0	0	844	782368	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	37	5	57	21	C	271	2779	49	7	1191	0	0	0	3,000	3572250	12
California Ave Off Ramp to California Ave Loop On Ramp	4,054	4,018	99%	19	3	52	19	C	291	1135	22	4	1005	0	0	0	1,491	1497710	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,395	94%	20	10	27	37	E	310	654	24	13	1099	1	16	6	785	862519	5
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,747	95%	40	18	35	33	D	350	1851	52	24	1187	1	46	6	2,014	2390115	13
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,028	94%	16	1	61	12	B	366	821	13	1	757	0	0	0	1,432	1084024	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,717	93%	33	1	63	11	A	399	1572	25	1	679	0	0	0	3,055	2075109	6
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,131	92%	35	3	59	13	B	434	1779	30	3	783	0	0	0	3,000	2348250	7
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,011	92%	40	1	63	9	A	474	1419	23	1	575	0	0	0	3,726	2140853	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	49	2	63	17	B	49	2706	43	2	905	0	0	0	4,498	4070690	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	40	10	50	25	C	89	2726	54	14	1229	0	0	0	2,800	3441433	13
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	37	13	42	25	C	125	1846	44	15	1073	0	0	0	2,271	2437351	11
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,220	95%	44	31	18	64	F	169	1186	64	45	1305	2	30	35	1,200	1566000	15
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,166	92%	76	46	25	60	F	246	3234	130	78	1542	2	81	50	2,800	4316200	32
California Ave Off Ramp to California Ave On Ramp	5,673	5,184	91%	56	43	15	87	F	302	1206	81	62	1296	3	30	51	1,229	1592784	20
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	5,925	91%	49	23	40	40	E	351	3221	81	37	1481	1	81	1	2,433	3603881	18
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,161	90%	41	2	62	17	B	392	2927	47	2	1040	0	0	0	3,714	3863489	12
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,240	91%	5	1	50	21	C	397	378	8	2	1310	0	0	0	381	499110	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,500	91%	27	6	51	25	C	424	2101	41	9	1375	0	0	0	2,004	2755333	10
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,125	92%	35	2	62	17	B	459	2492	40	2	1031	0	0	0	3,189	3288658	10
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,604	93%	83	26	48	29	D	543	5077	106	34	1315	0	0	0	5,403	7108875	30
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,719	94%	20	1	62	15	B	562	912	15	1	906	0	0	0	1,770	1604210	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	2,862	94%	10	0	62	14	B	572	484	8	0	954	0	0	0	894	852876	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	2,936	92%	52	2	62	15	B	624	2653	43	2	979	0	0	0	4,777	4675091	14
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	45	6	53	8	A	45	573	11	1	576	0	0	0	3,523	2028074	5
SR99 On Ramp to H St Off Ramp	3,419	3,339	98%	10	1	57	19	C	56	551	10	1	1113	0	0	0	870	968165	3
H St Off Ramp to Chester Ave On Ramp	3,003	2,957	98%	38	4	58	21	C	94	1832	31	3	1183	0	0	0	3,265	3861189	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,496	98%	32	7	52	32	D	126	1608	31	6	1748	0	0	0	2,419	4228412	15
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	2,985	99%	17	1	60	25	C	144	867	14	1	1493	0	0	0	1,533	2288003	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,176	98%	9	1	57	23	C	152	445	8	1	1588	0	0	0	739	1173532	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,415	98%	77	7	59	29	D	229	4252	73	7	1706	0	0	0	6,567	11213153	35
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	69	4	61	25	C	69	3604	59	4	1534	0	0	0	6,193	9496966	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,701	100%	17	1	61	22	C	87	797	13	1	1351	0	0	0	1,558	2104079	7
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,916	99%	13	2	57	22	C	99	598	10	1	1458	0	0	0	1,082	1577556	5
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,267	99%	26	4	54	28	D	125	1275	23	4	1634	0	0	0	2,060	3365010	11
Chester Ave Off Ramp to H St On Ramp	2,832	2,824	100%	41	3	60	24	C	166	1914	32	2	1412	0	0	0	3,579	5053548	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,279	100%	31	6	52	30	D	197	1461	28	5	1640	0	0	0	2,350	3853217	13
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,206	100%	27	2	56	20	C	224	935	17	1	1103	0	0	0	2,163	2385789	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: CFS+50%_PCFC-50%_normal (VEH normal distribution, CFS+50%, PCFC-50%)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	50	1	64	13	B	50	2156	34	1	818	0	0	0	4,648	3800515	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,108	100%	19	1	63	11	B	69	706	11	0	703	0	0	0	1,768	1242315	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,243	99%	7	2	51	18	B	76	341	7	1	1081	0	0	0	555	599955	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,708	100%	75	5	60	19	C	151	4692	78	5	1059	0	0	0	6,695	7091918	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,312	100%	25	1	62	13	B	177	1442	23	1	828	0	0	0	2,291	1896948	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,512	100%	15	5	43	23	C	192	791	18	6	1128	0	0	0	926	1044528	4
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,097	100%	32	1	62	13	B	223	1725	28	1	789	0	0	0	2,890	2276598	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	15	B	233	598	10	1	936	0	0	0	844	790195	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	37	5	57	21	C	270	2843	50	7	1217	0	0	0	3,000	3651250	12
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,064	100%	16	1	62	17	B	286	1184	19	1	1048	0	0	0	1,491	1561823	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,693	100%	10	2	53	20	C	297	710	13	2	1193	0	0	0	785	936309	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,967	100%	32	10	43	28	D	328	1893	44	14	1242	0	0	0	2,014	2500865	11
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,230	100%	16	1	61	13	B	344	881	14	1	812	0	0	0	1,432	1162784	4
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,915	100%	33	1	63	12	B	377	1686	27	1	729	0	0	0	3,055	2226331	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,359	99%	35	3	59	14	B	413	1909	33	3	840	0	0	0	3,000	2519250	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,148	98%	40	1	63	10	A	453	1516	24	1	614	0	0	0	3,726	2286699	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	49	2	63	17	B	49	2706	43	2	905	0	0	0	4,498	4069405	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	40	10	50	24	C	88	2686	54	13	1222	0	0	0	2,800	3420667	13
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	28	4	56	19	C	116	1829	33	5	1063	0	0	0	2,271	2413505	8
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,446	99%	36	23	22	55	F	152	1238	55	35	1362	2	31	24	1,200	1633800	12
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,554	98%	55	24	37	45	E	207	3688	100	45	1638	1	92	8	2,800	4587567	24
California Ave Off Ramp to California Ave On Ramp	5,673	5,525	97%	27	14	31	44	E	234	1286	41	22	1381	1	32	9	1,229	1697556	10
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,306	97%	48	21	39	42	E	282	3273	83	37	1576	1	82	2	2,433	3835422	19
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,546	98%	41	2	61	19	C	323	3198	52	3	1137	0	0	0	3,714	4220961	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,593	97%	6	2	46	25	C	329	404	9	3	1398	0	0	0	381	532733	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,867	97%	28	6	50	27	D	356	2244	45	10	1467	0	0	0	2,004	2939367	10
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,379	98%	35	2	62	18	B	392	2644	43	2	1095	0	0	0	3,189	3490759	11
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,854	98%	89	33	45	34	D	481	5401	121	44	1387	0	0	0	5,403	7493575	35
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,837	98%	20	1	62	15	B	501	951	15	1	946	0	0	0	1,770	1673830	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	2,969	98%	10	1	61	15	B	511	503	8	0	980	0	0	0	894	884762	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	3,039	96%	53	2	62	16	B	563	2747	44	2	1013	0	0	0	4,777	4838305	14
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	45	6	53	8	A	45	568	11	1	570	0	0	0	3,523	2009284	5
SR99 On Ramp to H St Off Ramp	3,419	3,312	97%	10	1	58	19	C	55	547	9	1	1104	0	0	0	870	960480	3
H St Off Ramp to Chester Ave On Ramp	3,003	2,969	99%	37	3	59	21	C	93	1839	31	3	1188	0	0	0	3,265	3877514	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,508	98%	31	6	53	32	D	124	1615	31	6	1754	0	0	0	2,419	4242523	14
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,004	100%	17	1	60	25	C	142	872	14	1	1502	0	0	0	1,533	2302586	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,201	99%	9	1	57	23	C	150	448	8	1	1601	0	0	0	739	1182770	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,438	99%	76	7	59	29	D	227	4275	73	7	1719	0	0	0	6,567	11287852	36
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	69	4	61	25	C	69	3606	59	3	1534	0	0	0	6,193	9497740	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	18	1	61	23	C	87	808	13	1	1370	0	0	0	1,558	2133881	7
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,952	100%	13	1	58	22	C	99	605	10	1	1477	0	0	0	1,082	1598114	5
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,296	100%	26	4	54	28	D	125	1290	24	4	1653	0	0	0	2,060	3404837	11
Chester Ave Off Ramp to H St On Ramp	2,832	2,832	100%	40	3	60	24	C	166	1926	32	2	1421	0	0	0	3,579	5084864	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,289	100%	30	6	53	30	D	196	1464	28	5	1644	0	0	0	2,350	3864183	13
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,178	99%	27	2	56	20	C	223	922	16	1	1089	0	0	0	2,163	2354966	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: CFS-10%_PCFC-10%_normal (VEH normal distribution, CFS-10%, PCFC-10%)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	50	1	64	13	B	50	2157	34	1	818	0	0	0	4,648	3802839	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,110	100%	19	1	63	11	B	69	708	11	0	704	0	0	0	1,768	1245261	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,244	99%	7	1	52	18	B	76	341	7	1	1081	0	0	0	555	600140	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,722	100%	75	4	61	19	C	151	4720	77	4	1085	0	0	0	6,695	7132566	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,319	100%	25	1	82	13	B	176	1456	23	1	837	0	0	0	2,291	1917853	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,534	100%	13	3	49	20	C	189	804	16	4	1146	0	0	0	926	1061196	4
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,097	100%	32	1	63	13	B	220	1737	28	1	793	0	0	0	2,690	2292493	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	15	B	230	604	10	1	945	0	0	0	844	797580	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	36	4	59	20	C	266	2813	48	5	1213	0	0	0	3,000	3639500	12
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,064	100%	16	1	62	17	B	282	1167	19	1	1033	0	0	0	1,491	1540576	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,693	100%	10	1	56	19	C	292	700	13	2	1177	0	0	0	785	924141	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,921	99%	26	5	52	23	C	318	1869	36	7	1230	0	0	0	2,014	2477891	9
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,210	99%	16	1	62	13	B	333	871	14	0	603	0	0	0	1,432	1149180	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,928	2,916	100%	33	1	63	12	B	367	1687	27	1	729	0	0	0	3,055	2227095	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,382	99%	34	2	60	14	B	400	1921	32	2	845	0	0	0	3,000	2536125	6
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,154	98%	40	1	63	10	A	441	1520	24	1	615	0	0	0	3,726	2292555	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	49	1	63	17	B	49	2705	43	1	905	0	0	0	4,498	4068762	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	36	7	54	22	C	85	2685	49	9	1228	0	0	0	2,800	3437233	12
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	62	17	B	110	1843	30	1	1072	0	0	0	2,271	2433377	7
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,509	100%	16	3	52	24	C	125	1253	24	5	1378	0	0	0	1,200	1653600	5
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,626	99%	41	11	47	35	D	167	3561	76	21	1657	0	0	0	2,800	4638433	18
California Ave Off Ramp to California Ave On Ramp	5,673	5,607	99%	14	1	59	24	C	181	1305	22	2	1402	0	0	0	1,229	1722751	6
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,438	99%	35	9	48	32	D	216	3045	63	17	1610	0	0	0	2,433	3916116	15
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,587	99%	41	2	52	18	C	257	3226	52	2	1147	0	0	0	3,714	4259030	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,657	98%	6	2	46	25	C	263	409	9	3	1414	0	0	0	381	538829	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,931	98%	26	5	52	27	D	289	2246	43	8	1483	0	0	0	2,004	2971598	10
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,363	98%	35	1	82	18	B	324	2634	42	2	1091	0	0	0	3,189	3478402	11
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,759	97%	111	54	42	39	E	435	8194	147	71	1360	0	0	0	5,403	7346922	40
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,791	96%	20	1	61	15	B	454	935	15	1	939	0	0	0	1,770	1648690	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	2,930	96%	10	0	62	14	B	464	496	8	0	977	0	0	0	894	873140	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	3,003	95%	52	2	62	16	B	516	2715	44	2	1001	0	0	0	4,777	4781777	14
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	43	4	55	8	A	43	570	10	1	576	0	0	0	3,523	2028074	5
SR99 On Ramp to H St Off Ramp	3,419	3,419	100%	10	1	58	20	C	53	566	10	1	1141	0	0	0	870	992525	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	37	3	60	21	C	90	1869	31	2	1208	0	0	0	3,285	3943467	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,562	100%	29	4	56	30	D	120	1649	29	4	1785	0	0	0	2,419	4316706	14
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	61	25	C	137	878	14	1	1513	0	0	0	1,533	2318663	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,209	99%	9	1	59	23	C	145	449	8	1	1605	0	0	0	739	1185726	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,443	99%	75	5	60	28	D	220	4278	71	5	1722	0	0	0	6,567	11305091	35
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	88	3	62	25	C	68	3802	58	3	1533	0	0	0	6,193	9492321	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	62	22	C	85	802	13	1	1359	0	0	0	1,558	2115764	7
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,930	99%	13	1	58	22	C	98	601	10	1	1465	0	0	0	1,082	1585130	5
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,283	100%	25	3	56	27	D	123	1279	23	3	1641	0	0	0	2,060	3381147	11
Chester Ave Off Ramp to H St On Ramp	2,832	2,812	99%	40	3	61	23	C	163	1906	31	2	1406	0	0	0	3,579	5032074	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,286	99%	29	4	56	28	D	191	1458	26	3	1633	0	0	0	2,350	3837550	12
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,185	99%	27	1	57	19	C	218	927	16	1	1092	0	0	0	2,163	2362537	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: CFS-10%_PCFC-30%_normal (VEH normal distribution, CFS-10%, PCFC-30%)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	50	1	64	13	B	50	2158	34	1	818	0	0	0	4,648	3802064	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,110	100%	19	1	63	11	B	69	710	11	0	707	0	0	0	1,768	1249387	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,249	100%	7	1	52	18	B	76	342	7	1	1083	0	0	0	555	601065	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,722	100%	75	4	61	19	C	151	4729	78	4	1067	0	0	0	6,695	7144521	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,303	100%	25	1	62	13	B	176	1436	23	1	826	0	0	0	2,291	1891507	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,531	100%	14	4	47	21	C	189	795	17	4	1133	0	0	0	926	1048927	4
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,097	100%	32	1	63	12	B	221	1703	27	1	778	0	0	0	2,690	2247698	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	14	B	231	593	10	1	928	0	0	0	844	783021	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	36	4	59	20	C	266	2768	47	5	1192	0	0	0	3,000	3577000	11
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,064	100%	16	1	62	16	B	283	1156	19	1	1024	0	0	0	1,491	1526411	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,667	99%	9	1	57	19	C	292	694	12	2	1167	0	0	0	785	915899	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,886	98%	26	4	53	22	C	318	1858	35	6	1222	0	0	0	2,014	2460101	6
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,124	97%	16	0	62	13	B	334	847	14	0	781	0	0	0	1,432	1118392	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,835	97%	33	1	63	11	B	367	1640	26	1	709	0	0	0	3,055	2165231	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,306	97%	34	2	60	13	B	400	1879	31	2	827	0	0	0	3,000	2479500	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,114	96%	40	1	63	10	A	441	1492	24	0	604	0	0	0	3,726	2250504	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	48	1	63	17	B	48	2703	43	1	904	0	0	0	4,498	4068120	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	35	6	55	22	C	84	2673	48	8	1228	0	0	0	2,800	3439100	12
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	62	17	B	109	1843	30	1	1071	0	0	0	2,271	2432241	7
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,496	100%	15	2	56	22	C	124	1249	22	3	1374	0	0	0	1,200	1648800	5
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,627	99%	40	10	49	33	D	163	3570	73	18	1657	0	0	0	2,800	4638667	18
California Ave Off Ramp to California Ave On Ramp	5,673	5,670	100%	14	1	60	24	C	177	1319	22	2	1418	0	0	0	1,229	1742108	6
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,489	100%	37	11	47	34	D	214	3105	66	19	1622	0	0	0	2,433	3946934	16
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,547	98%	40	2	63	18	C	254	3198	51	2	1137	0	0	0	3,714	4221890	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,576	97%	5	1	50	23	C	259	402	8	2	1394	0	0	0	381	531114	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,855	97%	25	4	55	25	C	284	2223	41	6	1464	0	0	0	2,004	2933355	9
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,311	96%	35	1	63	17	B	319	2603	42	1	1078	0	0	0	3,189	3436546	10
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,790	97%	64	7	58	24	C	383	4950	85	9	1368	0	0	0	5,403	7393620	25
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,800	97%	19	1	63	15	B	403	939	15	1	933	0	0	0	1,770	1652000	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	2,936	97%	10	0	62	14	B	412	497	8	0	979	0	0	0	894	874928	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	3,001	94%	52	2	62	16	B	465	2715	44	2	1060	0	0	0	4,777	4778592	14
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	600	600	100%	43	3	55	8	A	43	579	10	1	686	0	0	0	3,523	2063304	5
SR99 On Ramp to H St Off Ramp	3,419	3,419	100%	10	1	58	20	C	53	586	10	1	1184	0	0	0	870	1030080	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	37	3	60	22	C	90	1951	33	3	1261	0	0	0	3,285	4118471	14
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,562	100%	29	4	56	31	D	120	1709	30	4	1854	0	0	0	2,419	4485632	14
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	61	26	D	137	919	15	1	1583	0	0	0	1,533	2426739	8
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,226	100%	9	1	59	24	C	145	470	8	1	1679	0	0	0	739	1240412	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,469	100%	75	6	60	29	D	221	4459	75	6	1794	0	0	0	6,567	11782019	37
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	68	3	62	25	C	68	3601	58	3	1532	0	0	0	6,193	9489998	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	62	22	C	85	805	13	1	1363	0	0	0	1,558	2123554	7
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,937	99%	13	1	59	22	C	98	602	10	1	1469	0	0	0	1,082	1588917	4
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,288	100%	24	3	57	27	D	122	1280	22	3	1644	0	0	0	2,060	3386983	10
Chester Ave Off Ramp to H St On Ramp	2,832	2,820	100%	40	2	61	23	C	162	1911	31	2	1410	0	0	0	3,579	5045495	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,280	100%	28	3	57	27	D	190	1464	26	3	1640	0	0	0	2,350	3854000	12
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,207	100%	27	1	57	19	C	217	938	16	1	1104	0	0	0	2,163	2387411	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: CFS-10%_PCFC-50%_normal (VEH normal distribution, CFS-10%, PCFC-50%)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	50	1	64	13	B	50	2158	34	1	818	0	0	0	4,648	3802839	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,108	100%	19	1	63	11	B	69	706	11	0	703	0	0	0	1,768	1242315	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,244	99%	7	1	51	18	B	76	341	7	1	1081	0	0	0	555	600140	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,722	100%	75	4	61	19	C	150	4726	77	4	1057	0	0	0	6,695	7140218	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,319	100%	25	1	62	13	B	176	1448	23	1	833	0	0	0	2,291	1907830	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,534	100%	13	3	50	20	C	188	800	16	3	1141	0	0	0	926	1056556	4
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,097	100%	31	1	63	13	B	220	1724	28	1	787	0	0	0	2,890	2275153	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	15	B	229	600	10	1	939	0	0	0	844	792727	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	36	4	58	20	C	265	2806	48	5	1208	0	0	0	3,080	3624750	12
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,064	100%	16	1	63	17	B	281	1167	19	1	1033	0	0	0	1,491	1540576	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,693	100%	10	1	56	19	C	291	698	12	2	1174	0	0	0	785	921590	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,919	99%	26	5	52	23	C	317	1871	36	7	1230	0	0	0	2,014	2476884	9
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,126	97%	16	1	62	13	B	333	848	14	0	752	0	0	0	1,432	1119108	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,858	98%	33	1	63	11	B	366	1653	26	1	715	0	0	0	3,055	2182798	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,329	98%	34	2	60	13	B	400	1892	31	2	832	0	0	0	3,090	2496375	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,147	98%	40	1	63	10	A	440	1515	24	1	613	0	0	0	3,726	2285103	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	48	1	64	17	B	48	2703	42	1	904	0	0	0	4,498	4068120	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	35	6	55	22	C	84	2657	48	8	1223	0	0	0	2,800	3424400	12
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	62	17	B	109	1836	30	1	1067	0	0	0	2,271	2423725	7
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,484	100%	15	2	55	22	C	123	1246	22	3	1371	0	0	0	1,200	1645200	5
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,631	99%	39	9	50	33	D	162	3546	72	17	1658	0	0	0	2,800	4641467	17
California Ave Off Ramp to California Ave On Ramp	5,673	5,611	99%	14	1	61	23	C	176	1306	21	1	1403	0	0	0	1,229	1723980	5
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,426	98%	33	7	51	30	D	209	3002	59	13	1607	0	0	0	2,433	3908817	14
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,594	99%	40	1	63	18	C	249	3231	52	2	1149	0	0	0	3,714	4265529	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,648	98%	5	1	48	24	C	255	407	8	2	1412	0	0	0	381	537972	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,915	98%	25	4	54	26	C	280	2244	42	7	1479	0	0	0	2,004	2963248	10
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,382	98%	35	1	62	18	B	315	2647	42	2	1086	0	0	0	3,189	3493550	11
Ming Ave On Ramp to White Ln Off Ramp	4,926	4,838	98%	88	31	50	32	D	403	5867	118	42	1382	0	0	0	5,403	7467718	33
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,842	98%	20	1	61	16	B	423	953	16	1	947	0	0	0	1,770	1676780	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	2,980	98%	10	0	61	15	B	433	505	8	0	993	0	0	0	894	888040	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	3,049	96%	52	2	62	16	B	485	2756	44	2	1016	0	0	0	4,777	4855024	14
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	43	3	55	8	A	43	569	10	1	576	0	0	0	3,523	2028074	5
SR99 On Ramp to H St Off Ramp	3,419	3,384	99%	10	1	59	19	C	53	559	10	1	1128	0	0	0	870	981360	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	37	2	61	21	C	90	1860	31	2	1202	0	0	0	3,265	3924530	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,559	100%	29	3	57	30	D	119	1640	29	3	1779	0	0	0	2,419	4304207	14
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,001	100%	17	1	62	24	C	136	871	14	1	1501	0	0	0	1,533	2300267	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,196	99%	9	1	59	23	C	144	447	8	1	1598	0	0	0	739	1180922	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,425	99%	74	5	60	28	D	218	4255	71	5	1713	0	0	0	6,567	11245986	35
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	68	3	62	25	C	68	3601	58	2	1533	0	0	0	6,193	9493095	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,676	99%	17	1	62	22	C	85	790	13	1	1338	0	0	0	1,558	2084604	6
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,891	98%	12	1	60	21	C	97	592	10	1	1446	0	0	0	1,082	1564031	4
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,247	99%	24	2	58	26	C	121	1265	22	2	1624	0	0	0	2,060	3344753	10
Chester Ave Off Ramp to H St On Ramp	2,832	2,776	98%	40	2	61	23	C	161	1881	31	2	1388	0	0	0	3,579	4966757	15
H St On Ramp to SR99 NB Off Ramp	3,291	3,247	99%	28	3	57	27	D	189	1448	25	3	1624	0	0	0	2,350	3815225	12
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,164	98%	27	1	57	19	C	216	918	16	1	1082	0	0	0	2,163	2339625	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: CFS-30%_PCFC-10%_normal (VEH normal distribution, CFS-30%, PCFC-10%)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	50	1	64	13	B	50	2158	34	1	618	0	0	0	4,648	3802839	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,089	99%	19	1	63	11	A	69	700	11	0	696	0	0	0	1,768	1231117	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,235	99%	7	1	53	17	B	76	340	6	1	1078	0	0	0	555	598475	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,722	100%	74	4	61	19	C	150	4727	77	4	1067	0	0	0	6,695	7140696	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,308	100%	25	1	82	13	B	175	1438	23	1	627	0	0	0	2,291	1894371	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,534	100%	13	3	50	20	C	188	795	16	4	1134	0	0	0	926	1049621	4
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,097	100%	31	1	63	12	B	219	1702	27	1	777	0	0	0	2,890	2246253	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	14	B	229	592	10	1	927	0	0	0	844	781966	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	36	4	59	20	C	265	2780	47	5	1195	0	0	0	3,000	3585000	11
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,064	100%	16	1	63	16	B	281	1163	19	1	1039	0	0	0	1,491	1535357	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,691	100%	9	1	57	19	C	291	698	12	1	1173	0	0	0	785	920609	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,900	98%	24	3	56	21	C	315	1859	33	4	1225	0	0	0	2,014	2467150	8
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,153	98%	16	0	63	13	B	331	855	14	0	788	0	0	0	1,432	1128774	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,847	97%	33	1	63	11	B	364	1647	26	1	712	0	0	0	3,055	2174396	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,306	97%	34	2	61	13	B	397	1879	31	2	627	0	0	0	3,000	2479500	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,141	98%	40	1	63	10	A	437	1511	24	1	612	0	0	0	3,726	2279247	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	48	1	64	17	B	48	2702	42	1	904	0	0	0	4,498	4067477	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	35	5	56	22	C	83	2680	48	7	1230	0	0	0	2,800	3444933	11
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	62	17	B	108	1846	30	1	1073	0	0	0	2,271	2436215	7
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,493	100%	15	3	54	23	C	123	1249	23	4	1373	0	0	0	1,200	1647900	5
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,641	99%	39	9	51	32	D	162	3618	71	16	1660	0	0	0	2,800	4648467	17
California Ave Off Ramp to California Ave On Ramp	5,673	5,564	98%	14	1	80	23	C	176	1295	21	2	1391	0	0	0	1,229	1708539	5
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,383	98%	33	7	52	30	D	209	2991	58	12	1586	0	0	0	2,433	3882257	14
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,522	98%	40	1	63	18	C	249	3181	51	2	1131	0	0	0	3,714	4196677	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,589	97%	6	1	47	24	C	255	403	9	2	1397	0	0	0	381	532352	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,873	97%	25	4	54	25	C	280	2227	41	6	1468	0	0	0	2,004	2942373	10
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,308	96%	35	1	63	17	B	314	2601	42	1	1077	0	0	0	3,189	3434154	10
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,733	96%	95	38	47	33	D	410	5841	125	50	1352	0	0	0	5,403	7306786	34
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,781	96%	20	1	61	15	B	429	932	15	1	927	0	0	0	1,770	1640790	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	2,916	96%	10	0	62	14	B	439	494	8	0	972	0	0	0	894	868868	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	2,981	94%	52	2	62	15	B	491	2897	43	2	984	0	0	0	4,777	4746746	14
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	42	3	56	8	A	42	571	10	1	578	0	0	0	3,523	2037468	5
SR99 On Ramp to H St Off Ramp	3,419	3,419	100%	10	1	59	20	C	53	567	10	1	1143	0	0	0	870	994410	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	37	3	60	21	C	89	1883	31	2	1217	0	0	0	3,265	3974811	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,562	100%	29	3	58	30	D	118	1659	29	3	1802	0	0	0	2,419	4358635	14
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	61	25	C	135	889	15	1	1531	0	0	0	1,533	2347023	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,226	100%	9	1	58	23	C	144	455	8	1	1626	0	0	0	739	1201245	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,469	100%	74	5	60	28	D	218	4333	72	5	1744	0	0	0	6,567	11454490	35
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	68	3	62	25	C	68	3803	58	2	1533	0	0	0	6,193	9493869	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	62	22	C	85	802	13	1	1359	0	0	0	1,558	2117322	6
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,926	99%	12	1	60	21	C	97	599	10	1	1463	0	0	0	1,082	1582966	4
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,276	99%	24	2	58	26	C	121	1275	22	2	1638	0	0	0	2,060	3374280	10
Chester Ave Off Ramp to H St On Ramp	2,832	2,832	100%	40	2	62	23	C	161	1940	32	2	1431	0	0	0	3,579	5122444	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,291	100%	28	3	57	27	D	189	1479	26	3	1655	0	0	0	2,350	3890033	12
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,207	100%	27	1	57	20	C	216	952	17	1	1120	0	0	0	2,163	2422019	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: CFS-30%_PCFC-30%_normal (VEH normal distribution, CFS-30%, PCFC-30%)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	50	1	64	13	B	50	2157	34	1	818	0	0	0	4,648	3801289	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,083	99%	19	1	63	11	A	69	698	11	0	694	0	0	0	1,768	1227581	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,216	98%	7	1	53	17	B	76	338	6	1	1072	0	0	0	555	594960	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,715	100%	74	4	61	19	C	150	4703	77	4	1061	0	0	0	6,695	7106284	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,319	100%	25	1	62	13	B	175	1442	23	1	830	0	0	0	2,291	1900957	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,534	100%	12	3	51	20	C	188	795	16	3	1134	0	0	0	926	1050084	3
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,076	99%	31	1	63	12	B	219	1684	27	1	769	0	0	0	2,890	2222410	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	14	B	229	589	10	1	920	0	0	0	844	776480	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	36	4	58	20	C	265	2761	47	5	1189	0	0	0	3,000	3567250	11
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,047	100%	16	1	62	16	B	281	1143	18	1	1012	0	0	0	1,491	1508519	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,617	98%	9	1	57	18	C	290	687	12	1	1154	0	0	0	785	906086	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,822	97%	24	3	56	20	C	314	1829	32	4	1206	0	0	0	2,014	2427877	8
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,130	97%	16	0	63	13	B	330	849	14	0	763	0	0	0	1,432	1120540	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,798	96%	33	1	63	11	B	363	1619	26	1	700	0	0	0	3,055	2136973	6
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,269	96%	34	2	61	13	B	397	1857	31	2	817	0	0	0	3,000	2451750	7
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,070	94%	40	1	63	10	A	437	1461	23	1	591	0	0	0	3,726	2203663	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	48	1	64	17	B	48	2702	43	1	904	0	0	0	4,498	4066835	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	35	5	56	22	C	83	2664	47	7	1227	0	0	0	2,800	3434900	11
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	62	17	B	108	1845	30	1	1073	0	0	0	2,271	2435648	7
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,509	100%	15	2	56	22	C	123	1259	22	3	1385	0	0	0	1,200	1661400	5
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,689	100%	37	7	53	31	D	159	3618	68	13	1672	0	0	0	2,800	4682533	16
California Ave Off Ramp to California Ave On Ramp	5,673	5,673	100%	14	1	61	23	C	173	1321	22	1	1419	0	0	0	1,229	1743337	5
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,492	100%	33	7	51	31	D	206	3053	60	13	1623	0	0	0	2,433	3948962	14
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,562	99%	40	1	63	18	C	246	3209	51	2	1141	0	0	0	3,714	4235817	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,603	98%	5	1	47	24	C	252	405	9	2	1401	0	0	0	381	533686	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,855	97%	25	4	55	25	C	277	2217	40	6	1464	0	0	0	2,004	2933355	9
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,321	97%	35	1	63	17	B	312	2609	42	2	1080	0	0	0	3,189	3444519	10
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,718	96%	93	36	46	33	D	405	5554	122	47	1348	0	0	0	5,403	7282858	34
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,714	94%	20	1	62	15	B	424	910	15	1	905	0	0	0	1,770	1601280	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	2,856	94%	10	0	62	14	B	434	484	8	0	952	0	0	0	894	851008	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	2,942	93%	52	2	63	15	B	486	2859	42	1	981	0	0	0	4,777	4683849	14
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	43	3	55	8	A	43	572	10	1	578	0	0	0	3,523	2037468	5
SR99 On Ramp to H St Off Ramp	3,419	3,419	100%	10	1	59	20	C	53	585	10	1	1180	0	0	0	870	1026455	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	37	2	61	22	C	90	1946	32	2	1258	0	0	0	3,265	4107370	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,562	100%	29	3	58	31	D	118	1704	30	3	1648	0	0	0	2,419	4469909	14
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	61	25	C	135	907	15	1	1563	0	0	0	1,533	2395313	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,226	100%	9	1	59	23	C	144	462	8	1	1653	0	0	0	739	1221198	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,469	100%	74	5	60	29	D	218	4389	73	5	1767	0	0	0	6,567	11600606	36
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	68	3	63	25	C	68	3602	58	2	1533	0	0	0	6,193	9491547	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	62	22	C	85	815	13	1	1382	0	0	0	1,558	2152377	7
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,952	100%	12	1	59	22	C	97	610	10	1	1438	0	0	0	1,082	1610016	5
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,296	100%	24	3	58	27	D	122	1296	22	2	1665	0	0	0	2,060	3429900	10
Chester Ave Off Ramp to H St On Ramp	2,832	2,832	100%	40	2	61	23	C	161	1931	32	2	1424	0	0	0	3,579	5097391	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,291	100%	28	3	57	28	D	190	1479	26	3	1656	0	0	0	2,350	3892393	12
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,207	100%	27	1	57	20	C	216	944	17	1	1114	0	0	0	2,163	2409582	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: CFS-30%_PCFC-50%_normal (VEH normal distribution, CFS-30%, PCFC-50%)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vph)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	50	1	64	13	B	50	2156	34	1	818	0	0	0	4,648	3801289	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,110	100%	19	0	63	11	B	69	708	11	0	705	0	0	0	1,788	1245851	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,244	99%	7	1	53	17	B	76	341	6	1	1081	0	0	0	555	600140	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,722	100%	74	4	61	19	C	150	4733	77	4	1068	0	0	0	6,635	7149304	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,319	100%	25	1	62	13	B	175	1443	23	1	831	0	0	0	2,291	1902962	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,534	100%	12	2	53	19	C	187	798	15	3	1137	0	0	0	926	1053094	3
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,097	100%	31	1	63	13	B	219	1729	28	1	790	0	0	0	2,890	2282378	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	15	B	228	602	10	1	942	0	0	0	844	794837	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	36	4	59	20	C	264	2797	48	5	1206	0	0	0	3,000	3618000	11
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,064	100%	16	1	62	17	B	280	1182	19	1	1047	0	0	0	1,491	1560332	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,693	100%	9	1	56	19	C	290	708	13	2	1191	0	0	0	785	934543	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,975	100%	25	3	55	22	C	314	1665	34	5	1244	0	0	0	2,014	2504913	8
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,194	99%	16	0	63	13	B	330	866	14	0	799	0	0	0	1,432	1143452	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,887	99%	33	1	63	11	B	363	1670	26	1	722	0	0	0	3,055	2204946	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,378	99%	34	2	61	14	B	397	1919	32	2	844	0	0	0	3,000	2533125	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,141	98%	40	1	63	10	A	437	1511	24	1	612	0	0	0	3,726	2279247	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	48	1	64	17	B	48	2702	42	1	904	0	0	0	4,498	4068120	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	34	4	57	21	C	82	2651	46	6	1227	0	0	0	2,800	3435833	11
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	62	17	B	107	1850	30	1	1075	0	0	0	2,271	2441893	7
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,509	100%	15	2	56	22	C	122	1255	22	3	1381	0	0	0	1,200	1656600	5
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,660	99%	37	8	52	31	D	159	3610	69	14	1665	0	0	0	2,800	4661767	17
California Ave Off Ramp to California Ave On Ramp	5,673	5,673	100%	14	1	61	23	C	173	1320	21	1	1419	0	0	0	1,229	1743337	5
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,485	99%	32	6	53	29	D	204	3017	57	11	1621	0	0	0	2,433	3944501	14
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,598	99%	40	1	63	18	C	245	3234	52	2	1150	0	0	0	3,714	4269243	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,659	98%	5	1	46	24	C	250	408	9	2	1415	0	0	0	381	539020	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,949	99%	25	4	55	25	C	275	2254	41	6	1487	0	0	0	2,004	2980449	10
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,380	98%	35	1	63	17	B	310	2645	42	1	1095	0	0	0	3,189	3491955	11
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,789	97%	90	33	48	32	D	400	5756	120	44	1368	0	0	0	5,403	7393234	33
White Ln Off Ramp to White Ln Loop On Ramp	2,839	2,770	96%	20	1	61	15	B	420	928	15	1	923	0	0	0	1,770	1634300	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	2,912	95%	10	0	62	14	B	430	493	8	0	971	0	0	0	894	867776	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	2,989	94%	52	2	63	15	B	482	2701	43	2	996	0	0	0	4,777	4759484	14
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	42	3	56	8	A	42	573	10	1	581	0	0	0	3,523	2046863	5
SR99 On Ramp to H St Off Ramp	3,419	3,419	100%	10	1	59	19	C	52	565	10	1	1140	0	0	0	870	992090	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	37	2	61	21	C	89	1895	31	2	1224	0	0	0	3,285	3997013	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,562	100%	28	3	58	29	D	117	1661	29	3	1803	0	0	0	2,419	4361457	14
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	61	25	C	135	894	15	1	1540	0	0	0	1,533	2360054	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,226	100%	8	1	60	23	C	143	457	8	1	1633	0	0	0	739	1206418	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,469	100%	74	5	60	28	D	217	4356	72	5	1753	0	0	0	6,567	11513593	35
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	68	3	63	25	C	68	3601	58	2	1533	0	0	0	6,193	9490773	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	62	22	C	85	804	13	1	1362	0	0	0	1,558	2121996	7
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,939	100%	12	1	59	22	C	97	602	10	1	1470	0	0	0	1,082	1589999	4
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,289	100%	24	2	58	26	D	121	1280	22	2	1645	0	0	0	2,060	3388013	10
Chester Ave Off Ramp to H St On Ramp	2,832	2,812	99%	40	2	62	23	C	161	1905	31	2	1406	0	0	0	3,579	5031179	15
H St On Ramp to SR99 NB Off Ramp	3,291	3,265	99%	28	3	58	27	D	189	1458	25	3	1633	0	0	0	2,350	3836767	12
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,194	99%	27	1	57	19	C	215	931	16	1	1097	0	0	0	2,163	2372270	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: CFS-50%_PCFC-10%_normal (VEH normal distribution, CFS-50%, PCFC-10%)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	50	1	64	13	B	50	2158	34	1	818	0	0	0	4,648	3802064	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,089	99%	19	0	63	11	B	69	699	11	0	695	0	0	0	1,768	1231117	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,216	98%	7	1	53	17	B	76	338	6	1	1072	0	0	0	555	594960	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,704	100%	74	4	61	19	C	150	4691	76	4	1658	0	0	0	8,695	7084745	23
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,310	100%	25	1	62	13	B	175	1437	23	1	627	0	0	0	2,291	1895516	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,528	100%	12	2	52	19	C	187	794	15	3	1132	0	0	0	926	1048232	3
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,097	100%	31	1	63	12	B	219	1695	27	1	774	0	0	0	2,890	2237583	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	15	B	228	592	10	1	927	0	0	0	844	782177	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,738	100%	35	4	59	20	C	264	2740	46	5	1185	0	0	0	3,000	3553500	11
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,059	100%	16	1	62	16	B	280	1146	18	1	1015	0	0	0	1,491	1512992	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,633	99%	9	1	57	19	C	289	689	12	1	1158	0	0	0	785	909226	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,856	97%	25	4	55	21	C	314	1838	34	5	1214	0	0	0	2,014	2444828	8
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,186	99%	16	1	62	13	B	330	864	14	1	797	0	0	0	1,432	1140588	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,871	98%	33	1	63	11	B	363	1661	26	1	718	0	0	0	3,055	2192726	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,347	98%	34	2	61	13	B	397	1901	31	2	837	0	0	0	3,000	2509875	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,115	96%	40	1	63	10	A	437	1492	24	1	604	0	0	0	3,726	2251036	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	48	1	64	17	B	48	2703	42	1	904	0	0	0	4,498	4066835	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	35	5	56	22	C	83	2675	47	7	1232	0	0	0	2,800	3450767	11
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	62	18	B	108	1869	30	1	1097	0	0	0	2,271	2467442	8
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,509	100%	15	2	55	23	C	123	1266	23	3	1392	0	0	0	1,200	1670700	5
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,700	100%	36	6	54	30	D	159	3649	67	12	1679	0	0	0	2,800	4701433	16
California Ave Off Ramp to California Ave On Ramp	5,673	5,673	100%	14	1	60	24	C	173	1324	22	2	1422	0	0	0	1,229	1747638	6
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,518	100%	32	6	52	30	D	205	3057	58	12	1631	0	0	0	2,433	3968831	14
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,616	100%	40	1	63	18	C	246	3247	52	2	1154	0	0	0	3,714	4285956	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,718	100%	6	2	45	26	C	251	413	9	3	1430	0	0	0	381	544640	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,997	99%	25	4	55	26	C	276	2268	42	6	1499	0	0	0	2,004	3004330	10
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,458	100%	35	1	63	18	B	311	2692	43	1	1115	0	0	0	3,189	3554141	11
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,889	99%	75	18	53	28	D	386	5420	102	25	1397	0	0	0	5,403	7547219	29
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,899	100%	20	1	62	16	B	406	975	16	1	970	0	0	0	1,770	1716310	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	3,038	100%	10	0	62	15	B	416	515	8	0	1013	0	0	0	894	905324	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	3,109	98%	52	2	62	16	B	468	2811	45	2	1036	0	0	0	4,777	4949768	15
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	42	3	56	8	A	42	573	10	1	581	0	0	0	3,523	2046863	5
SR99 On Ramp to H St Off Ramp	3,419	3,419	100%	10	1	59	20	C	52	581	10	1	1171	0	0	0	870	1018915	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	37	2	60	22	C	89	1935	32	2	1250	0	0	0	3,265	4080597	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,562	100%	29	3	58	30	D	118	1694	29	3	1835	0	0	0	2,419	4438865	14
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	61	26	C	135	913	15	1	1572	0	0	0	1,533	2409110	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,226	100%	9	1	59	24	C	144	486	8	1	1866	0	0	0	739	1230805	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,469	100%	74	5	60	29	D	218	4437	74	5	1786	0	0	0	6,567	11730304	36
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	68	3	63	25	C	88	3601	58	2	1533	0	0	0	6,193	9491547	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,699	100%	17	1	62	22	C	85	797	13	1	1350	0	0	0	1,558	2102521	6
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,910	99%	12	1	60	21	C	97	597	10	1	1455	0	0	0	1,002	1574310	4
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,269	99%	24	2	59	26	C	121	1272	22	2	1635	0	0	0	2,060	3367413	10
Chester Ave Off Ramp to H St On Ramp	2,832	2,832	100%	40	2	61	23	C	161	1928	31	2	1423	0	0	0	3,579	5092022	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,291	100%	28	3	58	27	D	189	1473	25	3	1651	0	0	0	2,350	3878675	12
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,207	100%	27	1	57	20	C	215	961	17	1	1132	0	0	0	2,163	2448516	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: CFS-50%_PCFC-30%_normal (VEH normal distribution, CFS-50%, PCFC-30%)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	49	1	64	13	B	49	2157	34	0	818	0	0	0	4,648	3801289	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,110	100%	19	0	63	11	B	68	709	11	0	705	0	0	0	1,768	1247029	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,248	99%	7	1	52	18	B	76	341	7	1	1083	0	0	0	555	600880	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,722	100%	74	4	62	19	C	150	4740	77	4	1069	0	0	0	6,695	7157911	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,319	100%	25	1	63	13	B	175	1447	23	1	833	0	0	0	2,291	1908689	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,534	100%	12	2	53	19	C	186	797	15	2	1135	0	0	0	926	1051242	3
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,097	100%	31	1	63	13	B	218	1734	28	1	792	0	0	0	2,890	2288800	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	15	B	228	602	10	1	942	0	0	0	844	794837	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	35	3	59	20	C	263	2786	47	5	1207	0	0	0	3,000	3622000	11
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,064	100%	16	1	62	16	B	279	1161	19	1	1028	0	0	0	1,491	1533121	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,690	100%	9	1	58	19	C	288	697	12	1	1173	0	0	0	785	920413	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,916	99%	24	3	56	21	C	312	1860	33	4	1229	0	0	0	2,014	2475374	8
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,109	96%	16	0	63	12	B	328	843	13	0	777	0	0	0	1,432	1113022	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,799	96%	33	1	63	11	B	361	1619	26	1	700	0	0	0	3,055	2137736	6
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,266	96%	33	2	61	13	B	394	1856	30	2	816	0	0	0	3,000	2449125	7
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,102	96%	40	1	63	10	A	434	1484	23	0	601	0	0	0	3,726	2237729	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	48	1	64	17	B	48	2703	42	1	905	0	0	0	4,498	4068762	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	34	4	57	21	C	82	2654	46	6	1224	0	0	0	2,800	3426967	11
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	62	17	B	107	1831	29	1	1065	0	0	0	2,271	2417480	7
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,493	100%	14	2	57	22	C	122	1249	22	3	1373	0	0	0	1,200	1647900	5
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,643	99%	35	6	55	29	D	157	3590	65	11	1661	0	0	0	2,800	4650100	16
California Ave Off Ramp to California Ave On Ramp	5,673	5,651	100%	14	1	62	23	C	171	1315	21	1	1413	0	0	0	1,229	1736270	5
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,457	99%	31	5	54	29	D	202	3004	56	9	1614	0	0	0	2,433	3927268	13
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,557	99%	41	2	62	18	C	242	3205	51	2	1139	0	0	0	3,714	4231175	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,655	98%	5	1	49	23	C	247	408	8	2	1414	0	0	0	381	538639	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,923	98%	25	4	54	25	C	272	2233	41	6	1481	0	0	0	2,004	2967256	10
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,374	98%	35	1	62	18	B	307	2640	42	2	1094	0	0	0	3,189	3487172	11
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,846	98%	69	12	56	26	C	376	5157	93	16	1385	0	0	0	5,403	7480839	26
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,852	98%	20	1	62	15	B	396	956	15	1	951	0	0	0	1,770	1682680	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	2,997	99%	10	0	62	15	B	405	507	8	0	999	0	0	0	894	893106	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	3,067	97%	52	2	63	16	B	458	2774	44	2	1022	0	0	0	4,777	4883686	14
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	42	3	56	8	A	42	571	10	1	578	0	0	0	3,523	2037468	5
SR99 On Ramp to H St Off Ramp	3,419	3,419	100%	10	1	58	20	C	53	575	10	1	1161	0	0	0	870	1009780	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	37	2	61	21	C	89	1911	31	2	1235	0	0	0	3,265	4031622	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,562	100%	28	3	59	30	D	117	1674	29	3	1816	0	0	0	2,419	4392904	14
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	61	25	C	134	894	15	1	1540	0	0	0	1,533	2360820	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,226	100%	8	1	60	23	C	143	458	8	1	1635	0	0	0	739	1209004	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,469	100%	74	5	61	28	D	217	4364	72	5	1756	0	0	0	6,567	11530010	35
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	68	3	63	24	C	68	3601	57	2	1532	0	0	0	6,193	9489998	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	62	22	C	85	798	13	1	1353	0	0	0	1,558	2107195	6
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,915	99%	12	1	60	21	C	97	597	10	1	1458	0	0	0	1,082	1577015	4
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,273	99%	24	2	59	26	C	121	1273	22	2	1637	0	0	0	2,080	3371190	10
Chester Ave Off Ramp to H St On Ramp	2,832	2,803	99%	40	2	62	23	C	160	1900	31	2	1401	0	0	0	3,579	5015074	15
H St On Ramp to SR99 NB Off Ramp	3,291	3,256	99%	28	3	58	27	D	188	1454	25	3	1628	0	0	0	2,350	3825408	12
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,184	99%	27	1	57	19	C	215	927	16	1	1092	0	0	0	2,163	2361455	8

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: CFS-50%_PCFC-50%_normal (VEH normal distribution, CFS-50%, PCFC-50%)

Freeway Segment	Demand (vph)	Served (vph)	% Served	Travel Time (sec/veh)	Delay Time (sec/veh)	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)	Cumulative Time (sec/veh)	Veh - Miles (VMT)	Veh - Hours (VHT)	Veh - Delay (VHD)	CORSIM Served Volumes/Lane (vphl)	Speed Ratio 40	Veh-Hours (40 MPH) (VHT)	Veh-Delay (<40 MPH) (VHD)	Length (ft)	Length*CORSIM Served Volumes/Lane	Length*Density 5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,446	2,448	100%	50	1	64	13	B	50	2156	34	1	818	0	0	0	4,640	3800515	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,109	100%	19	0	63	11	B	69	706	11	0	703	0	0	0	1,768	1242904	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,263	100%	7	1	54	17	B	76	343	6	1	1088	0	0	0	555	603655	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,720	100%	74	4	62	19	C	150	4711	76	4	1063	0	0	0	6,695	7115829	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,319	100%	25	1	62	13	B	175	1442	23	1	830	0	0	0	2,291	1901244	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,519	100%	12	2	53	19	C	187	793	15	2	1139	0	0	0	526	1046149	3
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,089	100%	31	1	63	12	B	218	1691	27	1	772	0	0	0	2,890	2231803	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	14	B	228	588	10	1	919	0	0	0	844	775636	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	35	3	59	20	C	263	2748	46	4	1191	0	0	0	3,000	3572500	11
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,064	100%	16	1	63	16	B	279	1151	18	1	1019	0	0	0	1,491	1519329	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,657	99%	9	1	57	19	C	288	692	12	1	1164	0	0	0	785	913936	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,882	98%	24	3	57	20	C	312	1850	32	3	1221	0	0	0	2,014	2458255	8
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,208	99%	16	0	63	13	B	328	870	14	0	802	0	0	0	1,432	1148464	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,873	98%	33	1	63	11	B	361	1662	26	1	718	0	0	0	3,055	2194254	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,334	95%	34	2	61	13	B	394	1895	31	2	833	0	0	0	3,000	2500125	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,146	98%	40	1	63	10	A	434	1514	24	0	613	0	0	0	3,726	2284038	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	48	1	64	17	B	48	2702	42	1	904	0	0	0	4,498	4067477	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	34	4	58	21	C	82	2641	46	6	1220	0	0	0	2,800	3416233	11
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,235	100%	25	1	62	17	B	107	1821	29	1	1059	0	0	0	2,271	2404421	7
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,469	99%	14	2	57	22	C	121	1243	22	3	1367	0	0	0	1,200	1640700	5
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,640	99%	35	6	55	29	D	157	3604	65	10	1660	0	0	0	2,800	4648000	16
California Ave Off Ramp to California Ave On Ramp	5,673	5,612	99%	14	1	62	23	C	170	1306	21	1	1403	0	0	0	1,229	1724287	5
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,414	98%	30	4	56	28	D	200	2976	53	7	1604	0	0	0	2,433	3901316	13
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,525	98%	40	1	63	18	C	240	3183	51	2	1131	0	0	0	3,714	4201463	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,596	97%	6	1	47	24	C	246	403	9	2	1399	0	0	0	381	533019	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,880	98%	25	4	53	26	C	271	2209	41	7	1470	0	0	0	2,004	2945713	10
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,358	97%	35	1	62	17	B	306	2631	42	2	1090	0	0	0	3,189	3474416	11
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,846	98%	63	7	59	24	C	370	5009	85	9	1385	0	0	0	5,403	7480839	25
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,819	97%	19	1	62	15	B	389	945	15	1	940	0	0	0	1,770	1663210	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	2,950	97%	10	0	62	14	B	399	499	8	0	983	0	0	0	894	879100	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	3,020	95%	52	2	63	16	B	451	2729	44	2	1007	0	0	0	4,777	4808051	14
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	42	3	56	8	A	42	567	10	1	574	0	0	0	3,523	2023376	5
SR99 On Ramp to H St Off Ramp	3,419	3,419	100%	10	1	59	20	C	52	578	10	1	1167	0	0	0	870	1015580	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	37	2	61	21	C	89	1899	31	2	1227	0	0	0	3,265	4007461	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,562	100%	28	3	59	29	D	117	1672	29	3	1815	0	0	0	2,419	4389276	14
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	62	25	C	134	900	15	1	1550	0	0	0	1,533	2375384	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,226	100%	8	1	60	23	C	143	462	8	1	1651	0	0	0	739	1219720	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,469	100%	74	5	61	28	D	216	4396	72	5	1769	0	0	0	6,567	11618665	35
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	67	3	63	24	C	67	3800	57	2	1532	0	0	0	6,193	9489224	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	62	22	C	85	801	13	1	1357	0	0	0	1,558	2113427	6
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,931	99%	12	1	60	21	C	97	601	10	1	1456	0	0	0	1,082	1585671	4
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,288	100%	24	2	59	26	C	121	1279	22	2	1644	0	0	0	2,060	3386640	10
Chester Ave Off Ramp to H St On Ramp	2,832	2,832	100%	40	2	62	23	C	160	1924	31	2	1420	0	0	0	3,579	5080391	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,286	100%	28	3	57	27	D	188	1467	26	3	1543	0	0	0	2,350	3861050	12
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,196	99%	27	1	57	19	C	215	931	16	1	1098	0	0	0	2,163	2374433	8

VARIATION OF LOCAL PARAMETERS WITH TRUCK LANES ON & OFF

CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: TruckLns_Off_On_CFSM_Final (VEH normal distribution, CFS-30%, PCFC-30%)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	1	63	19	C	50	3130	49	1	1188	0	0	0	4,648	5521049	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,328	99%	19	1	62	18	B	69	1114	18	1	1109	0	0	0	1,768	1961183	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,916	100%	9	3	42	33	D	78	517	12	4	1639	0	0	0	555	909442	3
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,608	100%	77	7	59	29	D	156	7115	120	11	1605	0	0	0	6,605	10743610	37
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,311	100%	34	10	45	30	D	190	2293	51	15	1337	0	0	0	2,291	3064012	13
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,576	100%	13	3	48	30	D	203	1157	24	6	1646	0	0	0	926	1523018	5
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,709	98%	33	3	60	20	C	236	2577	43	4	1177	0	0	0	2,890	3402108	11
Wible Rd On Ramp to SR58 WB On Ramp	5,208	5,199	98%	11	2	54	22	C	247	831	15	3	1300	0	0	0	844	1096884	4
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,203	98%	35	4	58	26	D	282	3547	61	6	1566	0	0	0	3,000	4696875	15
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,183	99%	19	3	54	24	C	301	1464	27	5	1296	0	0	0	1,491	1931920	7
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,632	99%	10	1	55	23	C	310	838	15	2	1408	0	0	0	785	1105359	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,930	5,812	98%	25	3	55	25	C	335	2193	40	6	1453	0	0	0	2,014	2926459	10
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,138	98%	16	1	61	17	B	351	1122	18	1	1035	0	0	0	1,432	1481511	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,321	98%	33	1	63	13	B	384	1921	30	1	830	0	0	0	3,055	2536337	8
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,617	96%	34	2	61	14	B	418	2055	34	2	904	0	0	0	3,000	2712563	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,104	96%	40	1	64	10	A	458	1485	23	1	601	0	0	0	3,726	2240018	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	15	B	48	2533	40	1	848	0	0	0	4,498	3814304	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	33	3	59	17	B	81	2180	37	4	1017	0	0	0	2,800	2848277	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	27	3	58	15	B	107	1499	26	3	871	0	0	0	2,271	1978495	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	2	58	16	B	121	952	16	2	1047	0	0	0	1,200	1250340	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,080	100%	33	3	59	21	C	154	2723	46	4	1270	0	0	0	2,800	3556210	11
California Ave Off Ramp to California Ave On Ramp	4,015	3,999	100%	13	1	62	16	B	167	931	15	1	1000	0	0	0	1,229	1228539	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,352	100%	28	2	59	18	B	195	2014	34	3	1090	0	0	0	2,433	2651889	8
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,885	100%	40	1	63	11	B	235	2052	32	1	729	0	0	0	3,714	2708992	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,795	99%	5	1	52	15	B	240	274	5	1	949	0	0	0	381	361464	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	4,026	99%	23	2	59	16	B	263	1522	26	2	1007	0	0	0	2,004	2017210	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,208	98%	34	1	63	13	B	298	1937	31	1	802	0	0	0	3,189	2557379	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,449	98%	60	3	62	16	B	358	3537	57	3	985	0	0	0	5,403	5324116	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,131	98%	19	1	63	11	B	377	714	11	0	710	0	0	0	1,770	1257231	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,253	99%	10	0	63	11	A	386	382	6	0	751	0	0	0	894	671364	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,307	96%	52	1	63	12	B	438	2087	33	1	769	0	0	0	4,777	3673691	11
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	42	3	56	9	A	42	633	11	1	640	0	0	0	3,523	2255307	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	59	21	C	53	600	10	1	1210	0	0	0	870	1052671	3
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	37	3	60	22	C	90	2016	33	2	1303	0	0	0	3,265	4254034	14
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	31	6	53	33	D	121	1732	32	6	1851	0	0	0	2,419	4477166	15
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	60	24	C	139	839	14	1	1446	0	0	0	1,533	2216181	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	8	1	60	21	C	147	427	7	1	1526	0	0	0	739	1127566	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	73	4	61	26	C	220	4016	66	4	1616	0	0	0	6,567	10613585	32
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,165	100%	96	31	50	35	D	96	4215	84	27	1583	0	0	0	6,193	9801816	41
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,650	2,599	98%	19	2	57	23	C	115	767	13	2	1300	0	0	0	1,558	2024777	7
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,796	98%	12	1	59	21	C	127	573	10	1	1398	0	0	0	1,082	1512636	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,024	98%	30	9	50	30	D	157	1269	25	7	1512	0	0	0	2,080	3114548	12
Chester Ave Off Ramp to H St On Ramp	2,622	2,583	98%	41	3	60	21	C	198	1740	29	2	1281	0	0	0	3,579	4586041	14
H St On Ramp to SR99 NB Off Ramp	2,955	2,893	98%	27	3	59	23	C	225	1290	22	2	1447	0	0	0	2,350	3380471	10
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,827	98%	26	1	56	16	B	252	775	13	1	914	0	0	0	2,163	1976279	7

CENTENNIAL CORSIM ANALYSIS RESULTS
EXISTING AM CALIBRATION
Scenario Name and Description: TruckLns_Off_On_CFSM_Final (VEH normal distribution, CFS-30%, PCFC-30%)

Freeway Ramps	Demand Volume	CORSIM Served Volume	Percentage Served in CORSIM Model	Speed (MPH)
	(vph)	(vph)	%	
SR-99 NB Off Ramps				
White Ln	202	202	100%	62
Ming Ave	297	276	93%	52
SR58 EB/Wilbe Rd	1,768	1,768	100%	49
California Ave	1,131	1,075	95%	51
Rosedale Hwy	1,730	1,675	97%	48
Buck Owens Blvd/Sillect Ave	822	813	99%	53
Airport Dr	1,508	1,504	100%	51
SR-99 NB On Ramps				
White Ln Loop	1,571	1,571	100%	39
White Ln Direct	684	684	100%	52
Ming Ave	1,265	1,247	99%	51
Wible Rd	490	490	100%	50
SR58 WB	1,088	1,065	98%	46
California Ave Loop	456	450	99%	48
California Ave Direct	228	179	78%	51
Buck Owens Blvd/Sillect Ave	306	300	98%	35
SR-99 SB Off Ramps				
Rosedale Hwy	585	585	100%	54
California Ave	1,077	1,077	100%	50
SR58 EB/Stockdale Hwy	1,467	1,450	99%	52
Ming Ave	811	810	100%	53
White Ln	1,347	1,318	98%	54
SR-99 SB On Ramps				
Airport Dr	1,109	1,109	100%	48
Rosedale Hwy Loop	698	698	100%	49
Rosedale Hwy Direct	917	896	98%	42
California Ave	337	337	100%	50
SR58 WB	938	886	94%	51
Real Rd	255	235	92%	51
Ming Ave	245	242	99%	52
White Ln Loop	111	111	100%	53
White Ln Direct	139	57	41%	53
SR58 EB Off Ramps				
H St	410	367	89%	53
Union Ave	821	810	99%	50
SR58 EB On Ramps				
SR99 NB and SR99 SB	2,607	2,607	100%	52
Chester Ave	475	452	95%	49
Union Ave Loop	174	161	92%	52
Union Ave Direct	199	194	98%	52
SR58 WB Off Ramps				
Brundage Ln	509	509	100%	47
Chester Ave	474	455	96%	48
SR99 NB	1,088	1,065	98%	53
SR99 SB	938	885	94%	43
SR58 WB On Ramps				
Brundage Ln	196	194	99%	49
Union Ave	241	232	96%	51
H St	333	333	100%	49

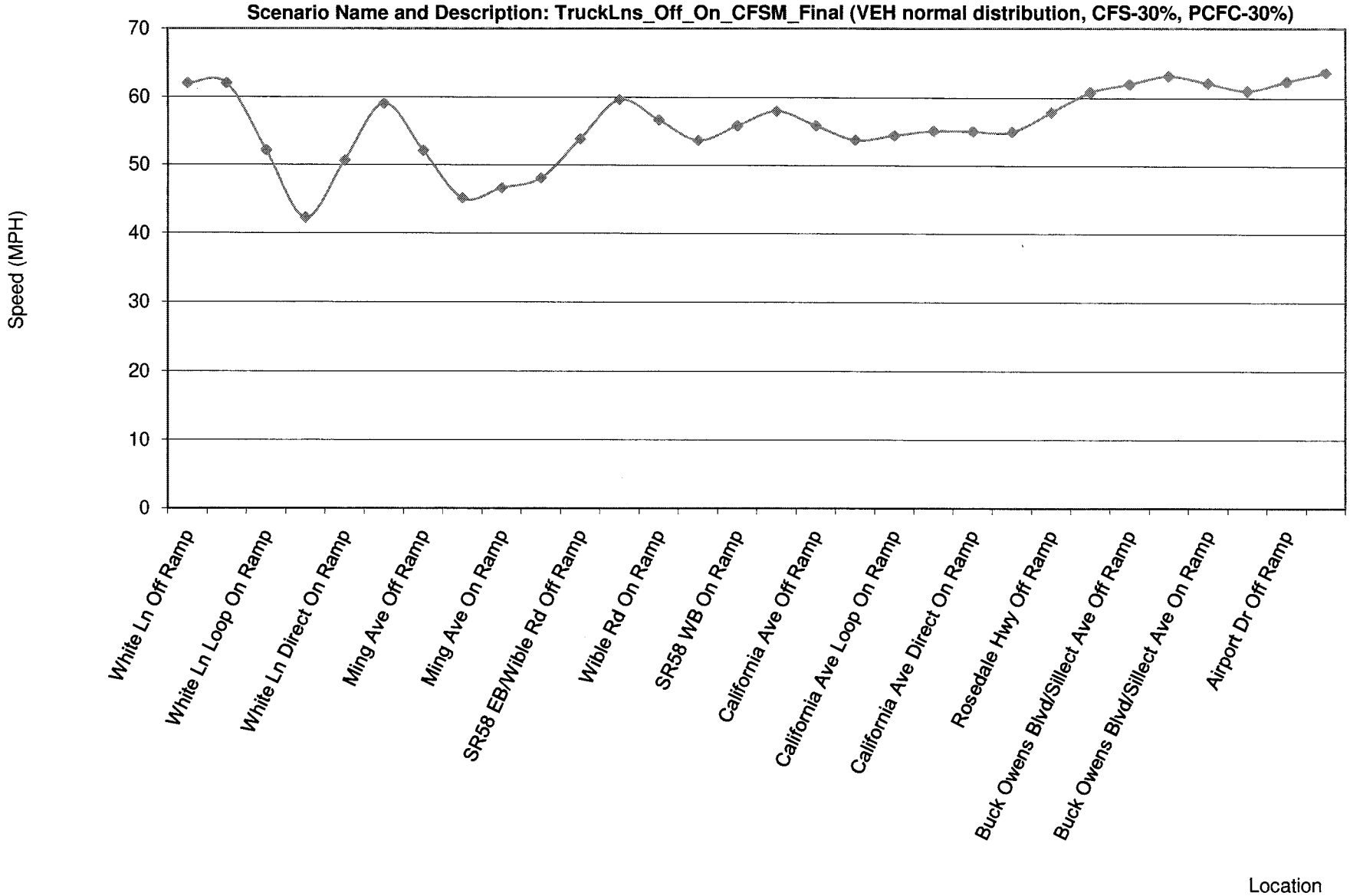
CENTENNIAL CORSIM ANALYSIS RESULTS
EXISTING AM CALIBRATION
Merging/Diverging & Weaving Analysis
Scenario Name and Description: TruckLns_Off_On_CFSM_Final (VEH normal distribution, CFS-30%, PCFC-30%)

Location	Analysis Type	Demand Volumes (vph)	CORSIM Served Volumes (vph)	Percentage Served in CORSIM Model %	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)
SR-99 NB							
White Ln Loop On Ramp	Merging	4,924	4,916	100%	42	33	D
White Ln Direct On Ramp	Merging	5,608	5,608	100%	55	32	D
Ming Ave On Ramp	Merging	6,576	6,576	100%	48	30	D
Wible Rd On Ramp	Merging	5,298	5,199	98%	54	22	C
SR58 WB On Ramp	Merging	6,386	6,264	98%	59	25	C
California Ave Loop On	Merging	5,711	5,632	99%	55	23	C
California Ave Direct On	Merging	5,939	5,811	98%	57	24	C
Buck Owens Blvd/Sillect Ave On Ramp	Merging	3,693	3,619	98%	61	14	B
White Ln Off Ramp	Diverging	3,555	3,552	100%	63	19	B
Ming Ave Off Ramp	Diverging	5,608	5,608	100%	60	23	C
SR58 EB/Wible Rd Off Ramp	Diverging	6,576	6,576	100%	48	30	D
California Ave Off Ramp	Diverging	6,386	6,262	98%	58	27	C
Rosedale Hwy Off Ramp	Diverging	5,939	5,813	98%	55	27	C
Buck Owens Blvd/Sillect Ave Off Ramp	Diverging	4,209	4,138	98%	61	17	B
Airport Dr Off Ramp	Diverging	3,693	3,614	98%	61	15	B
SR-99 SB							
Airport Dr On Ramp	Merging	4,062	4,062	100%	58	17	B
Rosedale Hwy Loop On Ramp	Merging	4,175	4,175	100%	58	16	B
Rosedale Hwy Direct On Ramp	Merging	5,092	5,079	100%	60	20	C
California Ave On Ramp	Merging	4,352	4,352	100%	59	18	B
SR58 WB On Ramp	Merging	3,823	3,795	99%	52	15	B
Real Rd On Ramp	Merging	4,078	4,029	99%	58	16	B
Ming Ave On Ramp	Merging	3,512	3,451	98%	61	13	B
White Ln Loop On Ramp	Merging	2,276	2,253	99%	63	11	B
White Ln Direct On Ramp	Merging	2,415	2,308	96%	63	11	B
Rosedale Hwy Off Ramp	Diverging	4,062	4,062	100%	61	17	B
California Ave Off Ramp	Diverging	5,092	5,082	100%	59	21	C
SR58 EB/Stockdale Hwy Off Ramp	Diverging	4,352	4,352	100%	60	18	B
Ming Ave Off Ramp	Diverging	4,078	4,023	99%	60	17	B
White Ln Off Ramp	Diverging	3,512	3,450	98%	61	15	B
SR-58 EB							
SR99 NB & SB On Ramp	Merging	3,553	3,553	100%	59	21	C
Chester Ave On Ramp	Merging	3,618	3,618	100%	57	30	D
Union Ave Loop On Ramp	Merging	2,971	2,971	100%	60	21	C
Union Ave Direct On Ramp	Merging	3,170	3,170	100%	60	24	C
H St Off Ramp	Diverging	3,553	3,553	100%	59	21	C
Union Ave Off Ramp	Diverging	3,618	3,618	100%	53	35	E
SR-58 WB							
Brundage Ln On Ramp	Merging	2,855	2,796	98%	59	21	C
Union Ave On Ramp	Merging	3,096	3,024	98%	54	27	C
H St On Ramp	Merging	2,955	2,893	98%	58	23	C
Brundage Ln Off Ramp	Diverging	3,168	3,111	98%	32	48	E
Chester Ave Off Ramp	Diverging	3,096	3,023	98%	48	34	D
SR99 NB Off Ramp	Diverging	2,955	2,894	98%	60	24	C
SR99 SB Off Ramp	Diverging	1,867	1,826	98%	53	17	B

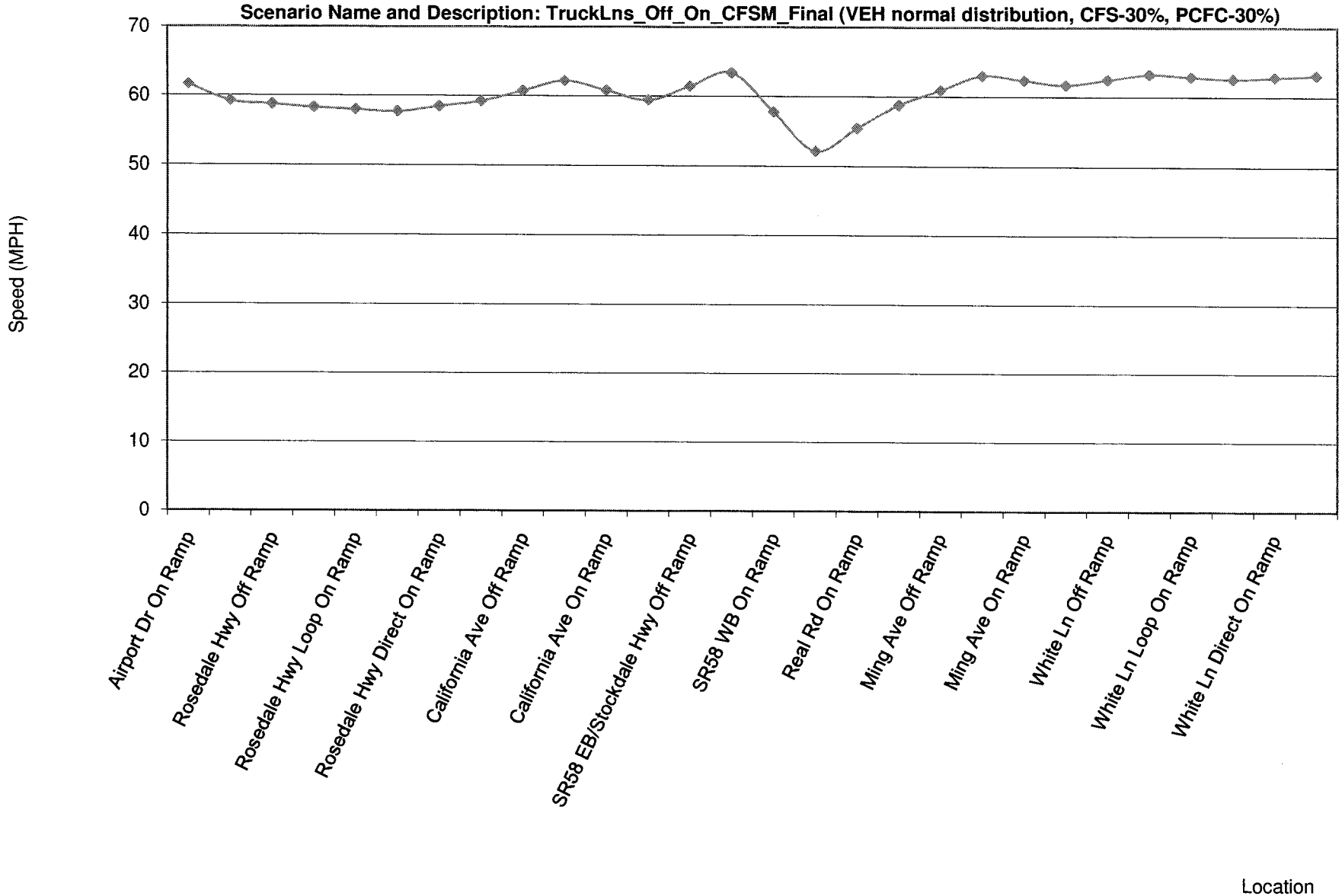
CENTENNIAL CORSIM ANALYSIS RESULTS
EXISTING AM CALIBRATION
Merging/Diverging & Weaving Analysis (Lane 1 & Lane 2)
Scenario Name and Description: TruckLns_Off_On_CFSM_Final (VEH normal distribution, CFS-30%, PCFC-30%)

Location	Analysis Type	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)
SR-99 NB				
White Ln Loop On Ramp	Merging	38	48	E
White Ln Direct On Ramp	Merging	53	38	E
Ming Ave On Ramp	Merging	43	49	E
Wible Rd On Ramp	Merging	49	27	C
SR58 WB On Ramp	Merging	56	34	D
California Ave Loop On	Merging	51	32	D
California Ave Direct On	Merging	54	36	E
Buck Owens Blvd/Sillect Ave On Ramp	Merging	60	21	C
White Ln Off Ramp	Diverging	63	19	B
Ming Ave Off Ramp	Diverging	59	33	D
SR58 EB/Wible Rd Off Ramp	Diverging	43	49	E
California Ave Off Ramp	Diverging	55	36	E
Rosedale Hwy Off Ramp	Diverging	51	40	E
Buck Owens Blvd/Sillect Ave Off Ramp	Diverging	58	21	C
Airport Dr Off Ramp	Diverging	60	23	C
SR-99 SB				
Airport Dr On Ramp	Merging	57	27	C
Rosedale Hwy Loop On Ramp	Merging	55	26	C
Rosedale Hwy Direct On Ramp	Merging	59	33	D
California Ave On Ramp	Merging	57	29	D
SR58 WB On Ramp	Merging	49	29	D
Real Rd On Ramp	Merging	56	27	C
Ming Ave On Ramp	Merging	60	18	B
White Ln Loop On Ramp	Merging	62	12	B
White Ln Direct On Ramp	Merging	62	12	B
Rosedale Hwy Off Ramp	Diverging	60	25	C
California Ave Off Ramp	Diverging	58	34	D
SR58 EB/Stockdale Hwy Off Ramp	Diverging	59	28	D
Ming Ave Off Ramp	Diverging	59	25	C
White Ln Off Ramp	Diverging	61	22	C
SR-58 EB				
SR99 NB & SB On Ramp	Merging	57	32	D
Chester Ave On Ramp	Merging	57	33	D
Union Ave Loop On Ramp	Merging	60	25	C
Union Ave Direct On Ramp	Merging	60	27	C
H St Off Ramp	Diverging	60	27	C
Union Ave Off Ramp	Diverging	53	35	E
SR-58 WB				
Brundage Ln On Ramp	Merging	59	24	C
Union Ave On Ramp	Merging	54	30	D
H St On Ramp	Merging	58	25	C
Brundage Ln Off Ramp	Diverging	32	48	E
Chester Ave Off Ramp	Diverging	48	34	D
SR99 NB Off Ramp	Diverging	60	24	C
SR99 SB Off Ramp	Diverging	53	17	B

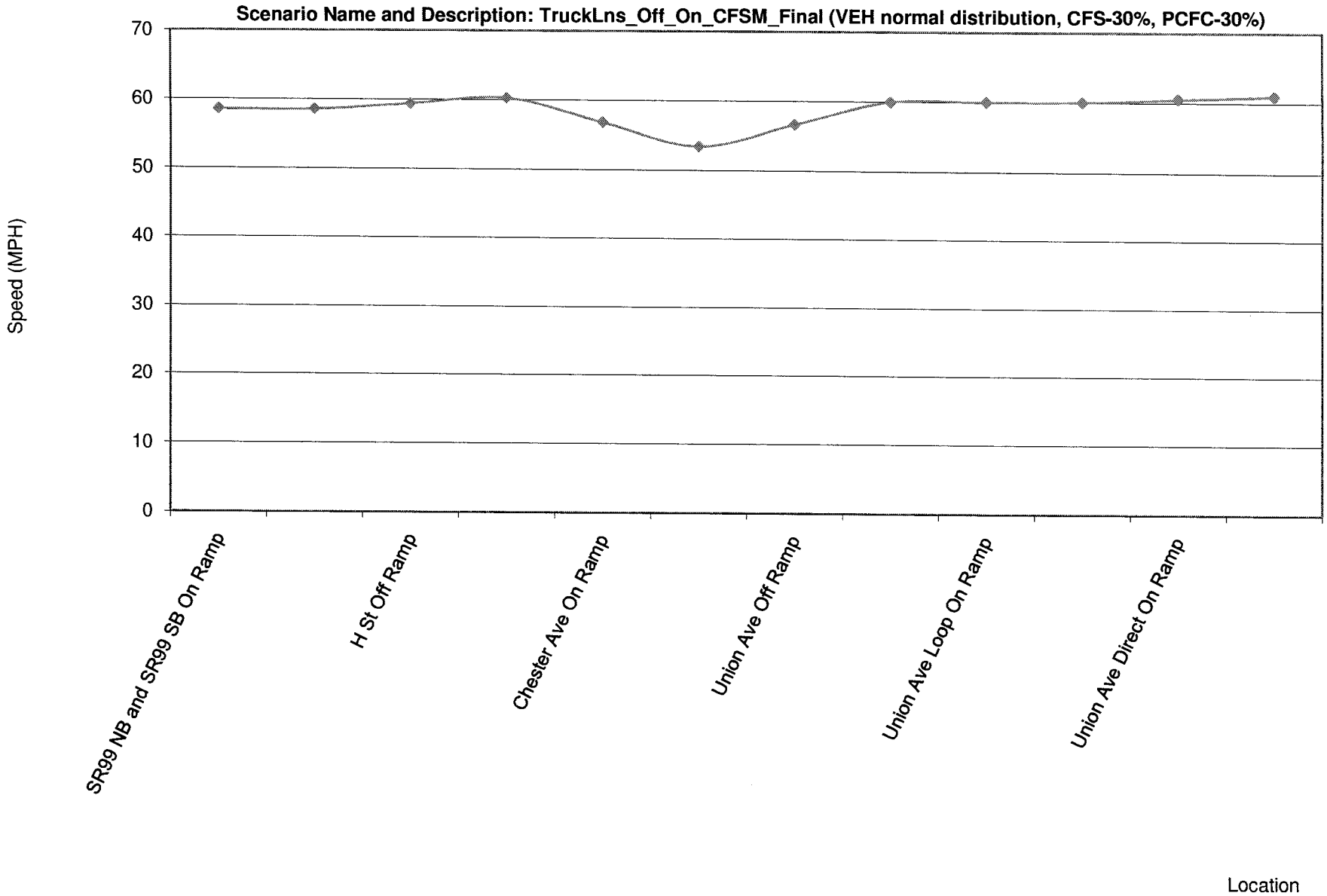
CENTENNIAL EXISTING CALIBRATION
CORSIM Simulated Travel Speed - Highway 99 NB AM Peak



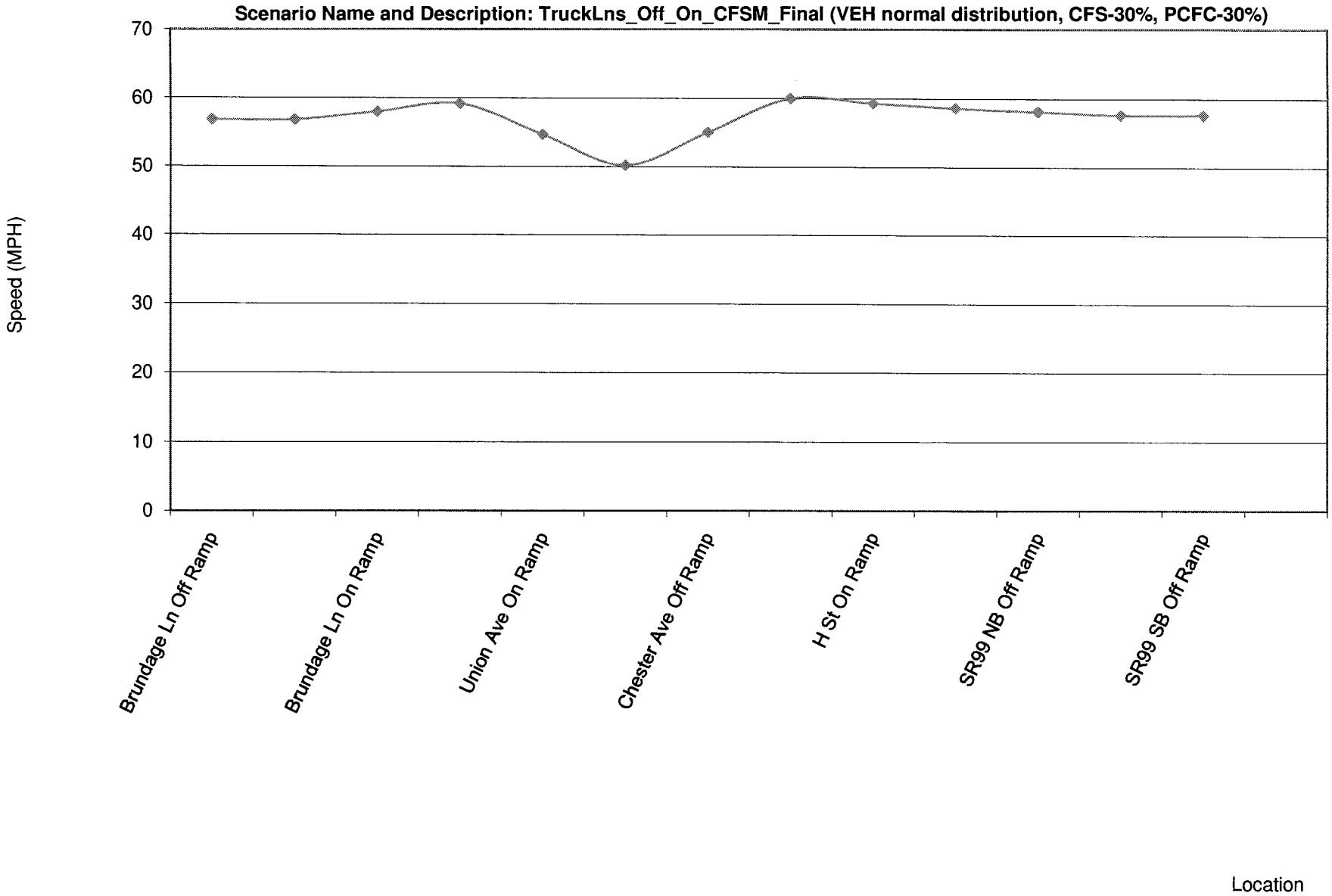
CENTENNIAL EXISTING CALIBRATION
CORSIM Simulated Travel Speed - Highway 99 SB AM Peak



CENTENNIAL EXISTING CALIBRATION
CORSIM Simulated Travel Speed - SR-58 EB AM Peak



CENTENNIAL EXISTING CALIBRATION
CORSIM Simulated Travel Speed - SR-58 WB AM Peak



CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: TruckLns_Off_On_CFSM_Final (VEH normal distribution, CFS-30%, PCFC-30%)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vph)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	50	1	64	13	B	50	2156	34	1	817	0	0	0	4,648	3798888	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,107	100%	19	1	63	11	B	69	705	11	0	702	0	0	0	1,768	1241490	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,211	98%	7	1	52	17	B	76	337	6	1	1070	0	0	0	555	593943	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,662	98%	74	4	61	18	C	150	4637	76	4	1046	0	0	0	6,695	7005600	23
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,259	98%	28	4	56	14	B	178	1418	25	3	815	0	0	0	2,291	1866735	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,475	99%	11	2	55	18	B	189	785	14	2	1119	0	0	0	926	1035803	3
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,059	99%	31	1	63	12	B	220	1674	27	1	785	0	0	0	2,890	2210272	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,601	98%	10	1	60	14	B	230	576	10	1	900	0	0	0	844	759769	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,698	99%	35	4	59	20	C	265	2715	46	5	1174	0	0	0	3,000	3523350	11
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,046	100%	18	2	57	18	B	283	1142	20	2	1011	0	0	0	1,491	1508035	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,656	99%	9	1	57	19	C	293	692	12	2	1164	0	0	0	785	913642	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,884	98%	24	3	56	21	C	317	1853	33	4	1221	0	0	0	2,014	2458893	6
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,158	98%	16	0	63	13	B	333	857	14	0	790	0	0	0	1,432	1130707	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,844	97%	33	1	63	11	B	366	1646	26	1	711	0	0	0	3,055	2172105	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,279	96%	34	2	61	13	B	399	1863	31	2	820	0	0	0	3,000	2459400	7
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,004	95%	40	1	63	10	A	439	1478	23	1	598	0	0	0	3,726	2229108	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	48	1	64	17	B	48	2704	42	1	905	0	0	0	4,498	4070047	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	34	4	57	21	C	82	2632	46	6	1227	0	0	0	2,800	3436440	11
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	37	13	42	25	C	119	1846	44	15	1072	0	0	0	2,271	2434682	11
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,471	99%	15	3	53	23	C	134	1244	23	4	1368	0	0	0	1,200	1641300	5
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,641	99%	36	6	54	30	D	170	3588	66	12	1660	0	0	0	2,800	4648607	16
California Ave Off Ramp to California Ave On Ramp	5,673	5,617	99%	19	6	45	31	D	188	1308	29	9	1404	0	0	0	1,229	1725885	7
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,461	99%	29	4	57	27	D	218	3001	53	7	1615	0	0	0	2,433	3930106	13
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,584	99%	46	7	56	21	C	263	3227	58	8	1146	0	0	0	3,714	4256337	15
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,684	99%	5	1	55	21	C	268	410	7	1	1421	0	0	0	381	541401	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,951	99%	24	3	56	25	C	292	2264	40	5	1488	0	0	0	2,004	2981484	9
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,386	98%	35	1	63	18	B	327	2648	42	1	1096	0	0	0	3,189	3496699	11
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,850	98%	63	6	59	24	C	390	5020	85	8	1386	0	0	0	5,403	7486976	25
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,864	99%	19	1	83	15	B	409	960	15	1	955	0	0	0	1,770	1689701	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	2,997	99%	10	0	62	14	B	419	507	8	0	999	0	0	0	894	893017	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	3,081	97%	52	2	62	16	B	471	2786	45	2	1027	0	0	0	4,777	4906536	14
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	43	3	56	7	A	43	545	10	1	552	0	0	0	3,523	1944696	5
SR99 On Ramp to H St Off Ramp	3,419	3,407	100%	10	1	59	19	C	53	563	10	1	1136	0	0	0	870	987929	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	37	2	61	21	C	89	1879	31	2	1215	0	0	0	3,265	3966322	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,562	100%	33	7	52	34	D	122	1692	33	7	1798	0	0	0	2,419	4350088	15
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	18	1	59	26	C	140	888	15	1	1529	0	0	0	1,533	2343191	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,226	100%	9	1	59	23	C	148	457	8	1	1633	0	0	0	739	1206676	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,469	100%	74	5	61	28	D	222	4344	72	5	1749	0	0	0	6,567	11484370	35
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	68	3	62	25	C	68	3600	58	2	1532	0	0	0	6,193	9486205	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	62	22	C	85	803	13	1	1360	0	0	0	1,558	2119036	7
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,952	100%	12	1	60	22	C	97	607	10	1	1481	0	0	0	1,082	1602550	4
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,296	100%	28	6	51	31	D	125	1295	26	6	1651	0	0	0	2,060	3401644	12
Chester Ave Off Ramp to H St On Ramp	2,832	2,832	100%	41	3	60	24	C	166	1938	32	2	1428	0	0	0	3,579	5111707	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,291	100%	28	3	58	27	D	194	1476	26	3	1654	0	0	0	2,350	3886078	12
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,207	100%	27	1	57	19	C	220	938	16	1	1165	0	0	0	2,163	2380034	8

CENTENNIAL CORSIM ANALYSIS RESULTS
EXISTING PM CALIBRATION
Scenario Name and Description: TruckLns_Off_On_CFSM_Final (VEH normal distribution, CFS-30%, PCFC-30%)

Freeway Ramps	Demand Volume	CORSIM Served Volume	Percentage Served in CORSIM Model	Speed (MPH)
	(vph)	(vph)	%	
SR-99 NB Off Ramps				
White Ln	338	338	100%	62
Ming Ave	403	403	100%	54
SR58 EB/Wilbe Rd	1,437	1,416	99%	51
California Ave	678	650	96%	49
Rosedale Hwy	1,760	1,721	98%	51
Buck Owens Blvd/Sillect Ave	304	304	100%	54
Airport Dr	1,211	1,191	98%	52
SR-99 NB On Ramps				
White Ln Loop	1,155	1,110	96%	42
White Ln Direct	457	449	98%	52
Ming Ave	1,215	1,215	100%	51
Wible Rd	561	547	97%	50
SR58 WB	1,084	1,084	100%	46
California Ave Loop	629	610	97%	48
California Ave Direct	297	230	77%	50
Buck Owens Blvd/Sillect Ave	479	439	92%	33
SR-99 SB Off Ramps				
Rosedale Hwy	633	627	99%	52
California Ave	1,027	1,027	100%	43
SR58 EB/Stockdale Hwy	1,896	1,873	99%	50
Ming Ave	1,557	1,557	100%	40
White Ln	2,029	1,965	97%	42
SR-99 SB On Ramps				
Airport Dr	1,725	1,725	100%	44
Rosedale Hwy Loop	1,267	1,181	93%	49
Rosedale Hwy Direct	1,191	1,190	100%	39
California Ave	845	845	100%	50
SR58 WB	1,124	1,106	98%	51
Real Rd	281	270	96%	51
Ming Ave	458	458	100%	50
White Ln Loop	139	133	95%	52
White Ln Direct	139	85	61%	53
SR58 EB Off Ramps				
H St	416	369	89%	53
Union Ave	557	538	97%	49
SR58 EB On Ramps				
SR99 NB and SR99 SB	2,619	2,583	99%	52
Chester Ave	559	559	100%	49
Union Ave Loop	221	208	94%	52
Union Ave Direct	243	240	99%	52
SR58 WB Off Ramps				
Brundage Ln	350	330	94%	53
Chester Ave	464	447	96%	49
SR99 NB	1,084	1,084	100%	53
SR99 SB	1,124	1,106	98%	42
SR58 WB On Ramps				
Brundage Ln	249	238	96%	49
Union Ave	344	339	99%	50
H St	459	452	98%	49

CENTENNIAL CORSIM ANALYSIS RESULTS
EXISTING PM CALIBRATION
Merging/Diverging & Weaving Analysis
Scenario Name and Description: TruckLns_Off_On_CFSM_Final (VEH normal distribution, CFS-30%, PCFC-30%)

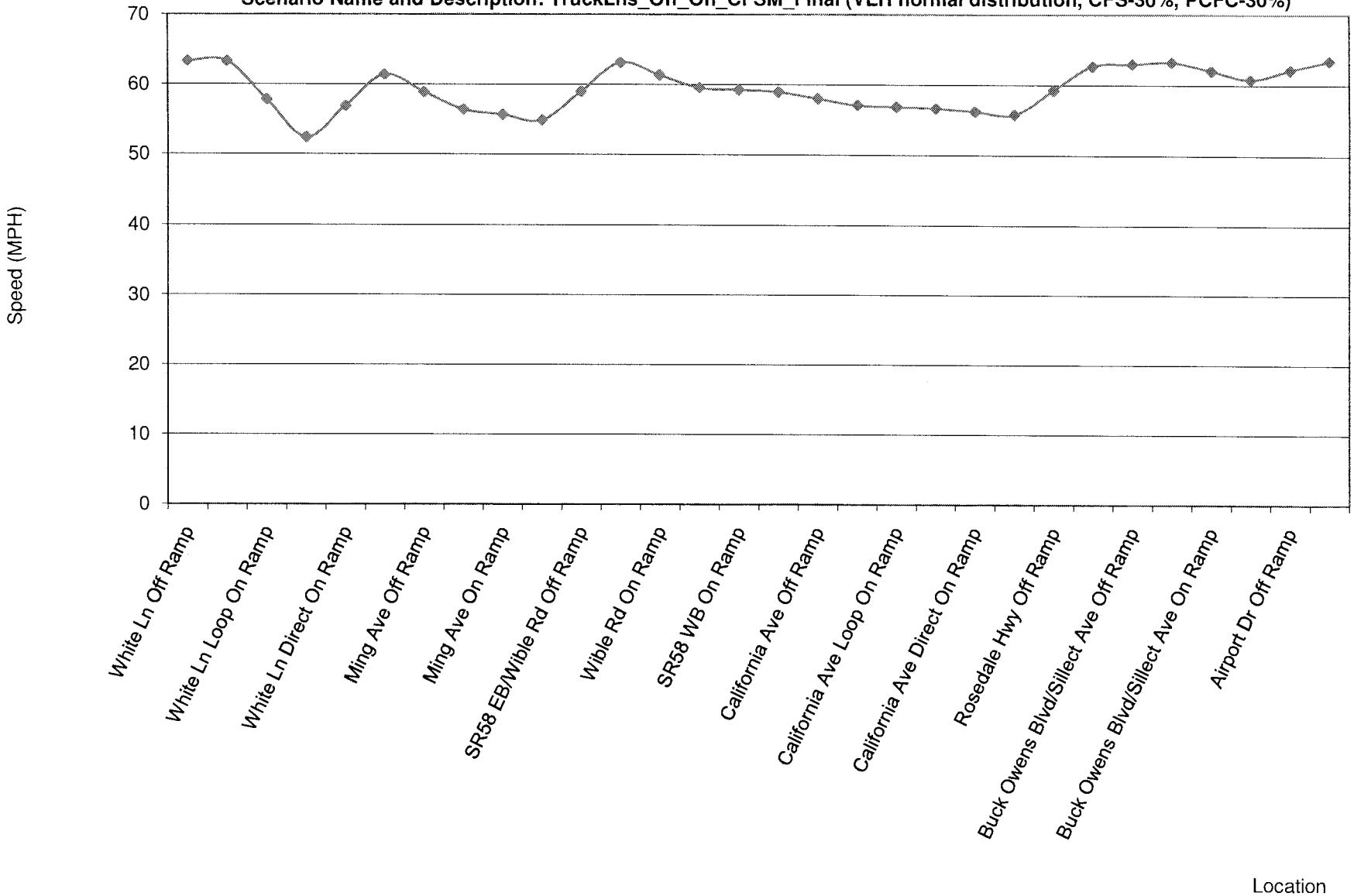
Location	Analysis Type	Demand Volumes (vph)	CORSIM Served Volumes (vph)	Percentage Served in CORSIM Model %	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)
SR-99 NB							
White Ln Loop On Ramp	Merging	3,265	3,211	98%	52	17	B
White Ln Direct On Ramp	Merging	3,722	3,668	99%	60	19	B
Ming Ave On Ramp	Merging	4,534	4,475	99%	55	18	B
Wible Rd On Ramp	Merging	3,658	3,601	98%	60	14	B
SR58 WB On Ramp	Merging	4,742	4,697	99%	56	20	C
California Ave Loop On	Merging	4,693	4,656	99%	57	19	B
California Ave Direct On	Merging	4,990	4,884	98%	55	21	C
Buck Owens Blvd/Sillect Ave On Ramp	Merging	3,405	3,279	96%	60	13	B
White Ln Off Ramp	Diverging	2,448	2,444	100%	64	13	B
Ming Ave Off Ramp	Diverging	3,722	3,661	98%	62	15	B
SR58 EB/Wible Rd Off Ramp	Diverging	4,534	4,475	99%	55	18	B
California Ave Off Ramp	Diverging	4,742	4,698	99%	61	19	B
Rosedale Hwy Off Ramp	Diverging	4,990	4,883	98%	58	21	C
Buck Owens Blvd/Sillect Ave Off Ramp	Diverging	3,230	3,158	98%	63	13	B
Airport Dr Off Ramp	Diverging	3,405	3,279	96%	61	13	B
SR-99 SB							
Airport Dr On Ramp	Merging	4,875	4,875	100%	57	21	C
Rosedale Hwy Loop On Ramp	Merging	5,509	5,471	99%	53	23	C
Rosedale Hwy Direct On Ramp	Merging	6,700	6,627	99%	57	28	C
California Ave On Ramp	Merging	6,518	6,462	99%	59	26	C
SR58 WB On Ramp	Merging	5,746	5,684	99%	55	21	C
Real Rd On Ramp	Merging	6,027	5,953	99%	58	23	C
Ming Ave On Ramp	Merging	4,928	4,853	98%	59	20	B
White Ln Loop On Ramp	Merging	3,038	2,997	99%	62	14	B
White Ln Direct On Ramp	Merging	3,176	3,083	97%	62	15	B
Rosedale Hwy Off Ramp	Diverging	4,875	4,875	100%	59	21	C
California Ave Off Ramp	Diverging	6,700	6,626	99%	53	32	D
SR58 EB/Stockdale Hwy Off Ramp	Diverging	6,518	6,461	99%	56	29	D
Ming Ave Off Ramp	Diverging	6,027	5,949	99%	55	27	C
White Ln Off Ramp	Diverging	4,928	4,844	98%	57	23	C
SR-58 EB							
SR99 NB & SB On Ramp	Merging	3,419	3,407	100%	59	19	B
Chester Ave On Ramp	Merging	3,562	3,562	100%	55	30	D
Union Ave Loop On Ramp	Merging	3,226	3,226	100%	59	23	C
Union Ave Direct On Ramp	Merging	3,469	3,469	100%	60	27	C
H St Off Ramp	Diverging	3,419	3,407	100%	59	19	B
Union Ave Off Ramp	Diverging	3,562	3,562	100%	51	36	E
SR-58 WB							
Brundage Ln On Ramp	Merging	2,952	2,952	100%	60	22	C
Union Ave On Ramp	Merging	3,296	3,296	100%	54	28	C
H St On Ramp	Merging	3,291	3,291	100%	57	27	C
Brundage Ln Off Ramp	Diverging	3,053	3,050	100%	61	25	C
Chester Ave Off Ramp	Diverging	3,296	3,296	100%	48	35	D
SR99 NB Off Ramp	Diverging	3,291	3,291	100%	59	28	D
SR99 SB Off Ramp	Diverging	2,207	2,207	100%	53	21	C

CENTENNIAL CORSIM ANALYSIS RESULTS
EXISTING PM CALIBRATION
Merging/Diverging & Weaving Analysis (Lane 1 & Lane 2)
Scenario Name and Description: TruckLns_Off_On_CFSM_Final (VEH normal distribution, CFS-30%, PCFC-30%)

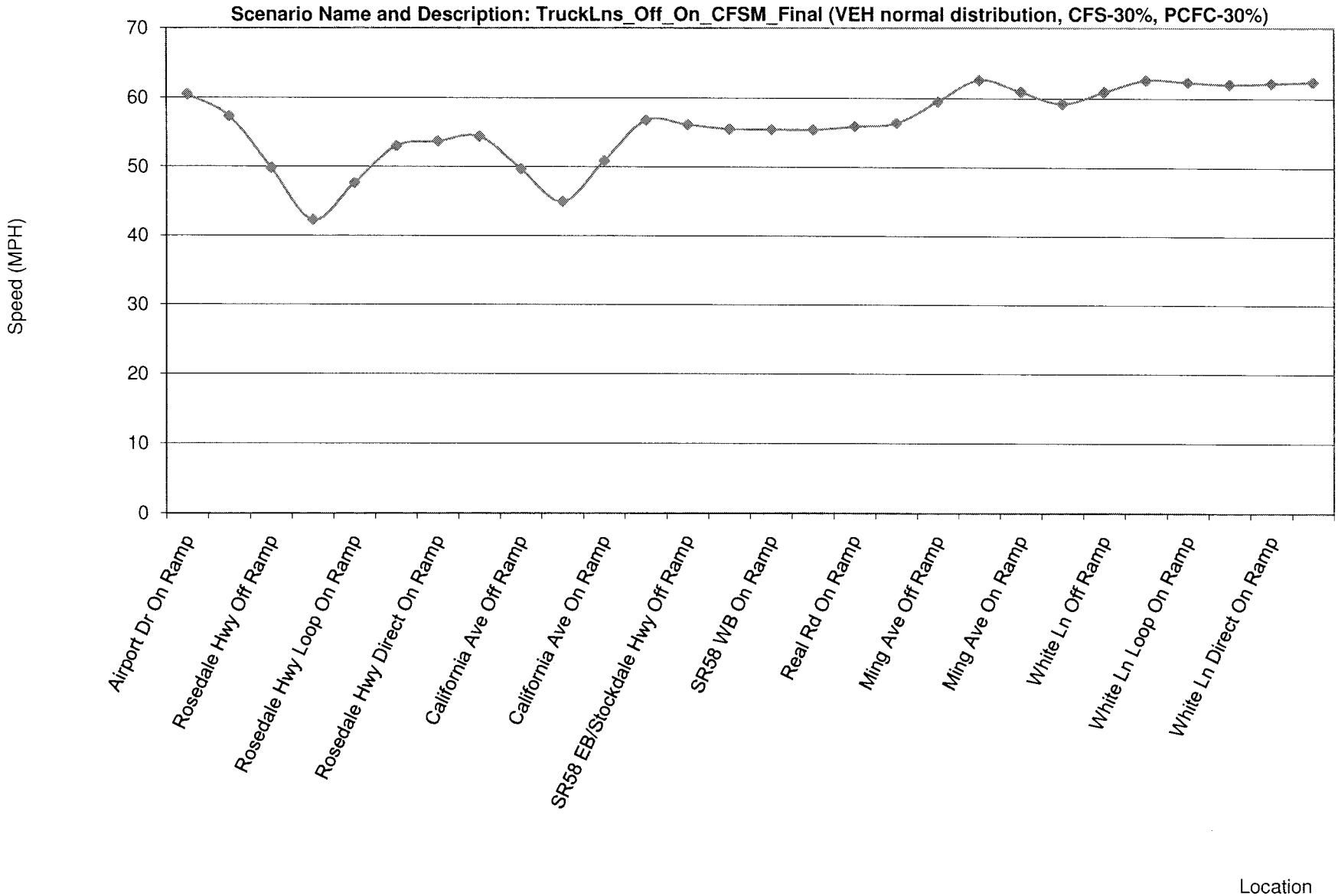
Location	Analysis Type	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)
SR-99 NB				
White Ln Loop On Ramp	Merging	50	24.4	C
White Ln Direct On Ramp	Merging	59	23.7	C
Ming Ave On Ramp	Merging	52	32.4	D
Wible Rd On Ramp	Merging	57	20.5	C
SR58 WB On Ramp	Merging	53	32.0	D
California Ave Loop On	Merging	53	28.9	D
California Ave Direct On	Merging	52	34.9	D
Buck Owens Blvd/Sillect Ave On Ramp	Merging	59	19.9	B
White Ln Off Ramp	Diverging	64	13.0	B
Ming Ave Off Ramp	Diverging	61	22.2	C
SR58 EB/Wible Rd Off Ramp	Diverging	52	32.4	D
California Ave Off Ramp	Diverging	59	27.8	C
Rosedale Hwy Off Ramp	Diverging	55	32.8	D
Buck Owens Blvd/Sillect Ave Off Ramp	Diverging	61	15.6	B
Airport Dr Off Ramp	Diverging	60	20.9	C
SR-99 SB				
Airport Dr On Ramp	Merging	55	33.9	D
Rosedale Hwy Loop On Ramp	Merging	49	33.7	D
Rosedale Hwy Direct On Ramp	Merging	58	37.2	E
California Ave On Ramp	Merging	56	34.8	D
SR58 WB On Ramp	Merging	51	31.4	D
Real Rd On Ramp	Merging	55	34.2	D
Ming Ave On Ramp	Merging	59	25.2	C
White Ln Loop On Ramp	Merging	61	15.5	B
White Ln Direct On Ramp	Merging	62	16.1	B
Rosedale Hwy Off Ramp	Diverging	57	32.0	D
California Ave Off Ramp	Diverging	52	42.7	E
SR58 EB/Stockdale Hwy Off Ramp	Diverging	53	41.1	E
Ming Ave Off Ramp	Diverging	52	39.0	E
White Ln Off Ramp	Diverging	56	34.6	D
SR-58 EB				
SR99 NB & SB On Ramp	Merging	57	29.9	D
Chester Ave On Ramp	Merging	55	32.5	D
Union Ave Loop On Ramp	Merging	59	27.6	C
Union Ave Direct On Ramp	Merging	60	29.4	D
H St Off Ramp	Diverging	60	25.8	C
Union Ave Off Ramp	Diverging	51	36.1	E
SR-58 WB				
Brundage Ln On Ramp	Merging	60	24.9	C
Union Ave On Ramp	Merging	54	30.7	D
H St On Ramp	Merging	57	28.9	D
Brundage Ln Off Ramp	Diverging	61	24.9	C
Chester Ave Off Ramp	Diverging	48	34.7	D
SR99 NB Off Ramp	Diverging	59	28.1	D
SR99 SB Off Ramp	Diverging	53	21.0	C

CENTENNIAL EXISTING CALIBRATION
CORSIM Simulated Travel Speed - Highway 99 NB PM Peak

Scenario Name and Description: TruckLns_Off_On_CFSM_Final (VEH normal distribution, CFS-30%, PCFC-30%)

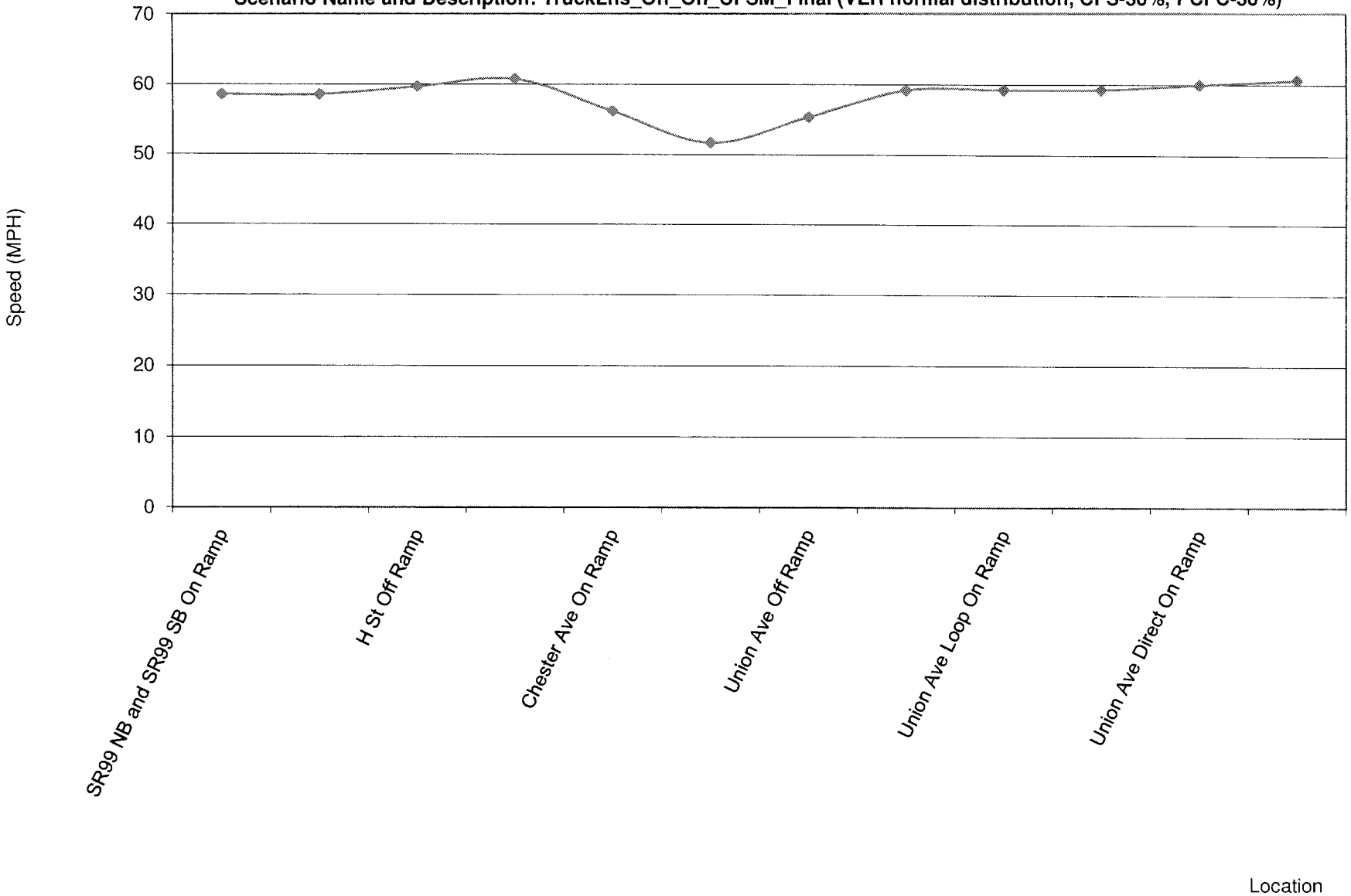


CENTENNIAL EXISTING CALIBRATION
CORSIM Simulated Travel Speed - Highway 99 SB PM Peak

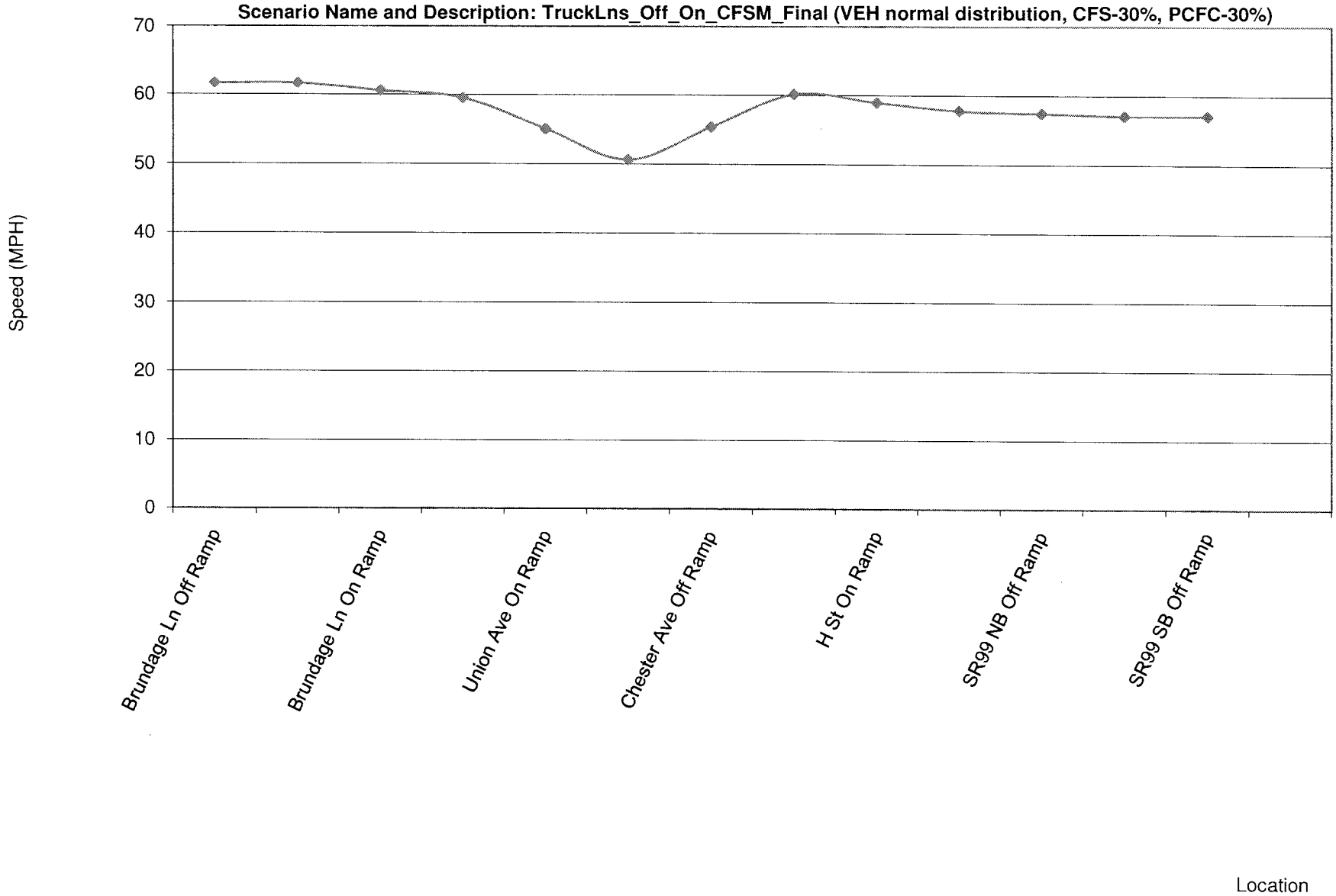


CENTENNIAL EXISTING CALIBRATION
CORSIM Simulated Travel Speed - SR-58 EB PM Peak

Scenario Name and Description: TruckLns_Off_On_CFSM_Final (VEH normal distribution, CFS-30%, PCFC-30%)



CENTENNIAL EXISTING CALIBRATION
CORSIM Simulated Travel Speed - SR-58 WB PM Peak



CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: TruckLns (VEH normal distribution, CFS-30%, PCFC-30%)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	1	63	19	C	50	3137	50	1	1191	0	0	0	4,648	5534219	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,332	99%	19	1	62	18	B	70	1116	18	1	1111	0	0	0	1,768	1963659	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	9	3	42	33	D	79	521	12	4	1651	0	0	0	555	916305	4
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,588	100%	77	7	59	29	D	156	7080	120	10	1596	0	0	0	6,695	10688089	37
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,311	100%	27	3	58	23	C	183	2358	40	5	1331	0	0	0	2,291	3050180	10
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,576	100%	17	7	37	39	E	200	1162	31	12	1667	1	29	2	926	1533919	7
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,734	98%	32	2	62	19	C	232	2591	42	2	1184	0	0	0	2,890	3420315	10
Wible Rd On Ramp to SR58 WB On Ramp	5,208	5,208	98%	10	1	60	20	C	241	832	14	1	1302	0	0	0	844	1098888	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,272	98%	35	4	59	26	C	277	3602	61	6	1568	0	0	0	3,000	4704250	15
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,174	98%	16	1	62	21	C	293	1461	23	1	1294	0	0	0	1,491	1928609	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,631	99%	9	1	57	22	C	302	837	15	2	1408	0	0	0	785	1105084	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,814	98%	27	6	51	27	D	329	2204	43	9	1453	0	0	0	2,014	2927181	10
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,065	97%	16	1	61	17	B	345	1102	18	1	1016	0	0	0	1,432	1455270	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,263	96%	33	1	63	13	B	378	1888	30	1	816	0	0	0	3,055	2492116	8
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,586	97%	34	2	61	14	B	412	2037	33	2	896	0	0	0	3,000	2689125	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,141	98%	40	1	63	10	A	452	1511	24	1	612	0	0	0	3,726	2278715	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	15	B	48	2534	40	1	848	0	0	0	4,498	3816232	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	33	3	59	17	B	80	2208	37	4	1029	0	0	0	2,800	2882133	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	63	14	B	105	1508	24	1	876	0	0	0	2,271	1989964	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	61	16	B	119	958	16	1	1054	0	0	0	1,200	1264500	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	34	4	57	22	C	152	2709	47	6	1274	0	0	0	2,800	3566033	11
California Ave Off Ramp to California Ave On Ramp	4,015	4,015	100%	13	1	62	16	B	166	943	15	1	1013	0	0	0	1,229	1245284	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,352	100%	28	2	59	18	B	194	2012	34	3	1090	0	0	0	2,433	2652984	8
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,885	100%	40	1	63	11	B	234	2034	32	1	723	0	0	0	3,714	2684294	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,779	99%	5	1	53	15	B	239	273	5	1	945	0	0	0	381	359950	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	4,011	98%	23	2	59	16	B	262	1517	26	2	1093	0	0	0	2,004	2009344	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,207	98%	34	1	63	13	B	296	1936	31	1	802	0	0	0	3,189	2556382	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,440	98%	60	3	62	16	B	356	3528	57	3	983	0	0	0	5,403	5309991	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,054	95%	19	1	63	11	A	375	689	11	0	685	0	0	0	1,770	1211860	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,166	95%	10	0	63	10	A	385	367	6	0	722	0	0	0	894	645468	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,235	93%	52	1	63	11	B	436	2021	32	1	745	0	0	0	4,777	3558865	10
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	43	4	55	9	A	43	672	12	1	679	0	0	0	3,523	2392117	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	58	22	C	53	624	11	1	1258	0	0	0	870	1094170	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	37	3	60	24	C	90	2094	35	3	1353	0	0	0	3,265	4418198	15
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	29	4	57	32	D	120	1783	31	4	1833	0	0	0	2,419	4676330	15
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	61	25	C	137	887	14	1	1528	0	0	0	1,533	2341658	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	8	1	59	22	C	145	449	8	1	1604	0	0	0	739	1184987	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	74	5	61	27	D	219	4216	70	5	1697	0	0	0	6,567	11143378	34
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	68	3	62	25	C	68	3742	60	3	1593	0	0	0	6,193	9862353	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,659	100%	17	1	62	22	C	85	789	13	1	1338	0	0	0	1,558	2083825	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,853	100%	12	1	60	21	C	97	585	10	1	1427	0	0	0	1,082	1543473	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,098	100%	24	2	59	24	C	121	1206	21	2	1551	0	0	0	2,060	3194030	10
Chester Ave Off Ramp to H St On Ramp	2,622	2,607	99%	39	2	62	21	C	160	1767	29	1	1303	0	0	0	3,579	4664332	14
H St On Ramp to SR99 NB Off Ramp	2,955	2,934	99%	27	2	59	24	C	188	1309	22	2	1467	0	0	0	2,350	3447058	10
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,862	100%	27	1	58	16	B	214	790	14	1	931	0	0	0	2,163	2013753	7

CENTENNIAL CORSIM ANALYSIS RESULTS
EXISTING AM CALIBRATION
Scenario Name and Description: TruckLns (VEH normal distribution, CFS-30%, PCFC-30%)

Freeway Ramps	Demand Volume	CORSIM Served Volume	Percentage Served in CORSIM Model	Speed (MPH)
	(vph)	(vph)	%	
SR-99 NB Off Ramps				
White Ln	202	202	100%	62
Ming Ave	297	266	90%	54
SR58 EB/Wilbe Rd	1,768	1,768	100%	46
California Ave	1,131	1,091	96%	52
Rosedale Hwy	1,730	1,730	100%	49
Buck Owens Blvd/Sillect Ave	822	806	98%	52
Airport Dr	1,508	1,435	95%	52
SR-99 NB On Ramps				
White Ln Loop	1,571	1,571	100%	39
White Ln Direct	684	644	94%	52
Ming Ave	1,265	1,265	100%	49
Wible Rd	490	467	95%	50
SR58 WB	1,088	1,074	99%	45
California Ave Loop	456	456	100%	48
California Ave Direct	228	177	78%	51
Buck Owens Blvd/Sillect Ave	306	306	100%	35
SR-99 SB Off Ramps				
Rosedale Hwy	585	585	100%	54
California Ave	1,077	1,049	97%	51
SR58 EB/Stockdale Hwy	1,467	1,467	100%	52
Ming Ave	811	806	99%	53
White Ln	1,347	1,347	100%	53
SR-99 SB On Ramps				
Airport Dr	1,109	1,109	100%	47
Rosedale Hwy Loop	698	698	100%	49
Rosedale Hwy Direct	917	887	97%	42
California Ave	337	298	88%	51
SR58 WB	938	889	95%	51
Real Rd	255	228	89%	51
Ming Ave	245	245	100%	51
White Ln Loop	111	111	100%	53
White Ln Direct	139	67	48%	54
SR58 EB Off Ramps				
H St	410	386	94%	53
Union Ave	821	811	99%	53
SR58 EB On Ramps				
SR99 NB and SR99 SB	2,607	2,607	100%	52
Chester Ave	475	475	100%	49
Union Ave Loop	174	158	91%	53
Union Ave Direct	199	199	100%	52
SR58 WB Off Ramps				
Brundage Ln	509	502	99%	53
Chester Ave	474	474	100%	54
SR99 NB	1,088	1,074	99%	53
SR99 SB	938	886	94%	43
SR58 WB On Ramps				
Brundage Ln	196	184	94%	49
Union Ave	241	241	100%	50
H St	333	333	100%	50

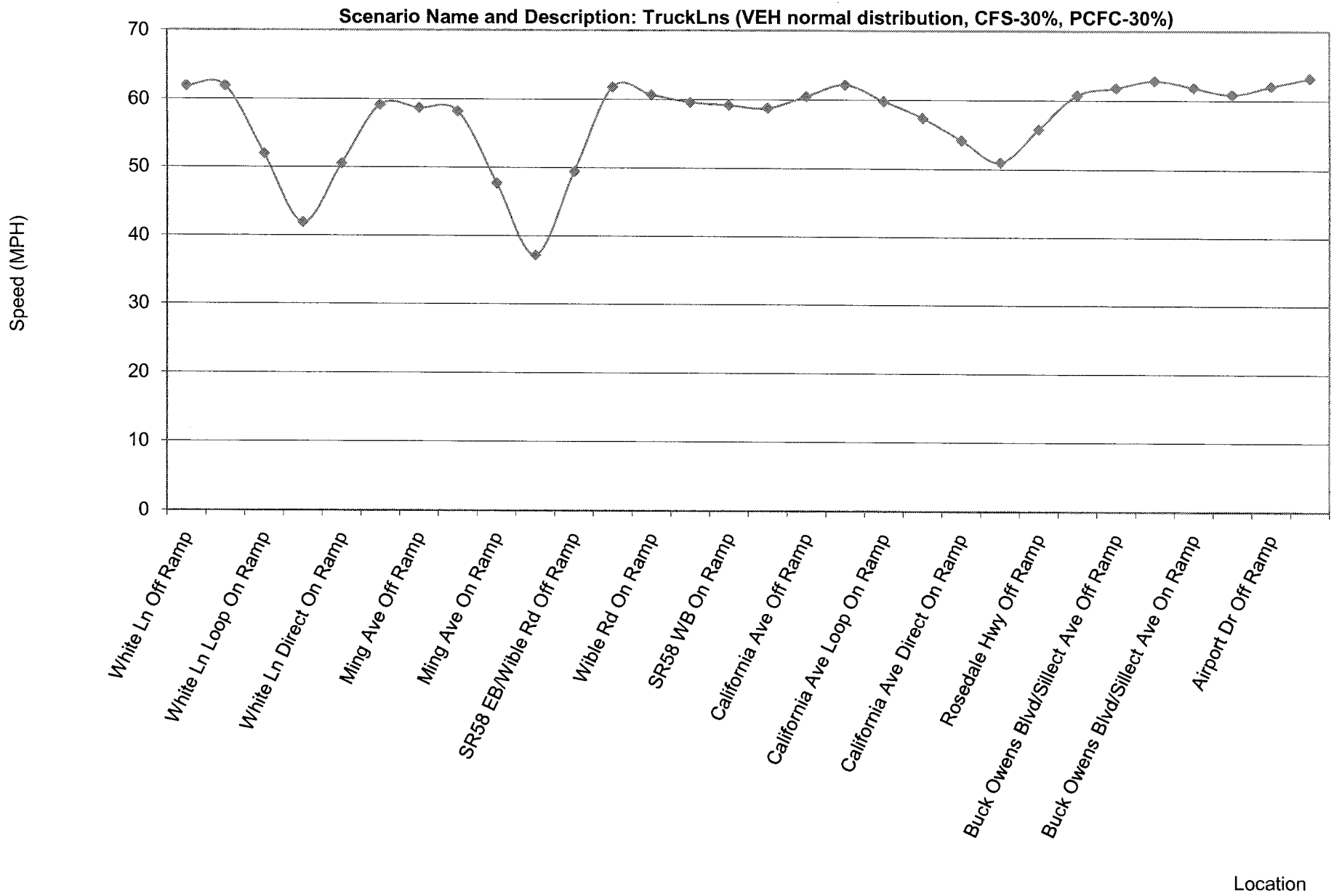
CENTENNIAL CORSIM ANALYSIS RESULTS
EXISTING AM CALIBRATION
Merging/Diverging & Weaving Analysis
Scenario Name and Description: TruckLns (VEH normal distribution, CFS-30%, PCFC-30%)

Location	Analysis Type	Demand Volumes (vph)	CORSIM Served Volumes (vph)	Percentage Served in CORSIM Model %	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)
SR-99 NB							
White Ln Loop On Ramp	Merging	4,924	4,924	100%	42	33	D
White Ln Direct On Ramp	Merging	5,608	5,593	100%	55	32	D
Ming Ave On Ramp	Merging	6,576	6,576	100%	37	39	E
Wible Rd On Ramp	Merging	5,298	5,208	98%	60	20	C
SR58 WB On Ramp	Merging	6,386	6,276	98%	57	26	C
California Ave Loop On	Merging	5,711	5,631	99%	57	22	C
California Ave Direct On	Merging	5,939	5,813	98%	51	27	C
Buck Owens Blvd/Sillect Ave On Ramp	Merging	3,693	3,589	97%	61	14	B
White Ln Off Ramp	Diverging	3,555	3,555	100%	63	19	B
Ming Ave Off Ramp	Diverging	5,608	5,585	100%	61	23	C
SR58 EB/Wible Rd Off Ramp	Diverging	6,576	6,576	100%	37	39	E
California Ave Off Ramp	Diverging	6,386	6,271	98%	60	26	C
Rosedale Hwy Off Ramp	Diverging	5,939	5,816	98%	52	28	C
Buck Owens Blvd/Sillect Ave Off Ramp	Diverging	4,209	4,065	97%	61	17	B
Airport Dr Off Ramp	Diverging	3,693	3,582	97%	61	15	B
SR-99 SB							
Airport Dr On Ramp	Merging	4,062	4,062	100%	58	17	B
Rosedale Hwy Loop On Ramp	Merging	4,175	4,175	100%	61	16	B
Rosedale Hwy Direct On Ramp	Merging	5,092	5,092	100%	56	22	C
California Ave On Ramp	Merging	4,352	4,352	100%	59	18	B
SR58 WB On Ramp	Merging	3,823	3,779	99%	53	15	B
Real Rd On Ramp	Merging	4,078	4,011	98%	58	15	B
Ming Ave On Ramp	Merging	3,512	3,445	98%	62	13	B
White Ln Loop On Ramp	Merging	2,276	2,166	95%	63	10	B
White Ln Direct On Ramp	Merging	2,415	2,234	93%	63	11	B
Rosedale Hwy Off Ramp	Diverging	4,062	4,062	100%	61	17	B
California Ave Off Ramp	Diverging	5,092	5,092	100%	58	22	C
SR58 EB/Stockdale Hwy Off Ramp	Diverging	4,352	4,352	100%	60	18	B
Ming Ave Off Ramp	Diverging	4,078	4,010	98%	60	17	B
White Ln Off Ramp	Diverging	3,512	3,434	98%	61	15	B
SR-58 EB							
SR99 NB & SB On Ramp	Merging	3,553	3,553	100%	58	22	C
Chester Ave On Ramp	Merging	3,618	3,618	100%	56	32	D
Union Ave Loop On Ramp	Merging	2,971	2,971	100%	59	22	C
Union Ave Direct On Ramp	Merging	3,170	3,170	100%	60	26	C
H St Off Ramp	Diverging	3,553	3,553	100%	58	22	C
Union Ave Off Ramp	Diverging	3,618	3,618	100%	59	33	D
SR-58 WB							
Brundage Ln On Ramp	Merging	2,855	2,853	100%	60	21	C
Union Ave On Ramp	Merging	3,096	3,096	100%	58	24	C
H St On Ramp	Merging	2,955	2,936	99%	59	23	C
Brundage Ln Off Ramp	Diverging	3,168	3,168	100%	61	26	C
Chester Ave Off Ramp	Diverging	3,096	3,096	100%	60	26	C
SR99 NB Off Ramp	Diverging	2,955	2,931	99%	60	24	C
SR99 SB Off Ramp	Diverging	1,867	1,864	100%	53	18	B

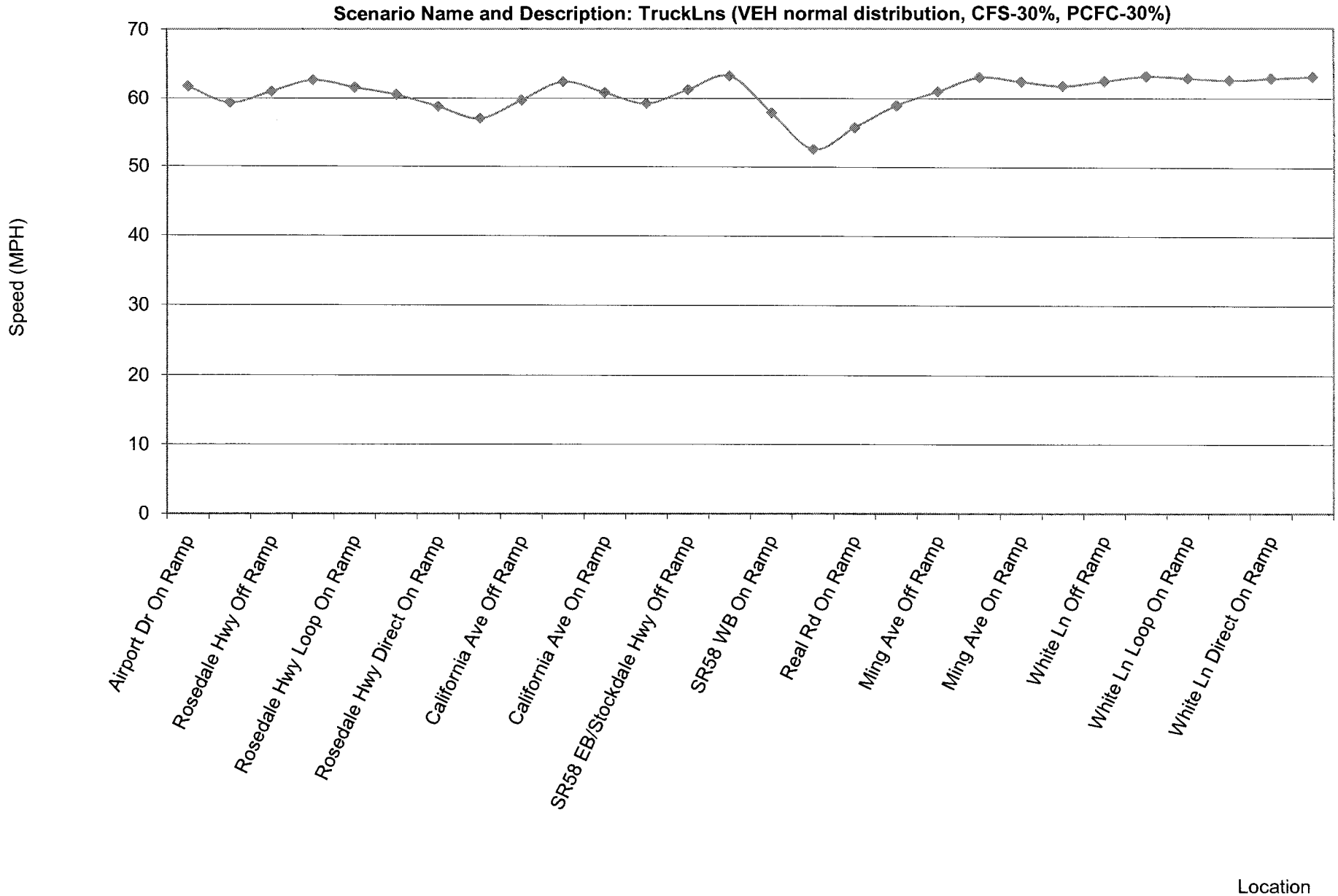
CENTENNIAL CORSIM ANALYSIS RESULTS
EXISTING AM CALIBRATION
Merging/Diverging & Weaving Analysis (Lane 1 & Lane 2)
Scenario Name and Description: TruckLns (VEH normal distribution, CFS-30%, PCFC-30%)

Location	Analysis Type	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)
SR-99 NB				
White Ln Loop On Ramp	Merging	38	49	E
White Ln Direct On Ramp	Merging	53	38	E
Ming Ave On Ramp	Merging	32	73	E
Wible Rd On Ramp	Merging	57	25	C
SR58 WB On Ramp	Merging	53	38	E
California Ave Loop On	Merging	54	33	D
California Ave Direct On	Merging	47	44	E
Buck Owens Blvd/Sillect Ave On Ramp	Merging	60	20	C
White Ln Off Ramp	Diverging	63	19	B
Ming Ave Off Ramp	Diverging	60	32	D
SR58 EB/Wible Rd Off Ramp	Diverging	32	73	E
California Ave Off Ramp	Diverging	58	35	D
Rosedale Hwy Off Ramp	Diverging	48	43	E
Buck Owens Blvd/Sillect Ave Off Ramp	Diverging	59	21	C
Airport Dr Off Ramp	Diverging	60	22	C
SR-99 SB				
Airport Dr On Ramp	Merging	57	28	C
Rosedale Hwy Loop On Ramp	Merging	59	26	C
Rosedale Hwy Direct On Ramp	Merging	54	36	E
California Ave On Ramp	Merging	57	29	D
SR58 WB On Ramp	Merging	49	29	D
Real Rd On Ramp	Merging	56	27	C
Ming Ave On Ramp	Merging	60	18	B
White Ln Loop On Ramp	Merging	62	12	B
White Ln Direct On Ramp	Merging	62	12	B
Rosedale Hwy Off Ramp	Diverging	60	26	C
California Ave Off Ramp	Diverging	57	34	D
SR58 EB/Stockdale Hwy Off Ramp	Diverging	58	29	D
Ming Ave Off Ramp	Diverging	58	25	C
White Ln Off Ramp	Diverging	60	23	C
SR-58 EB				
SR99 NB & SB On Ramp	Merging	57	33	D
Chester Ave On Ramp	Merging	56	35	D
Union Ave Loop On Ramp	Merging	59	27	C
Union Ave Direct On Ramp	Merging	60	28	D
H St Off Ramp	Diverging	60	28	D
Union Ave Off Ramp	Diverging	59	33	D
SR-58 WB				
Brundage Ln On Ramp	Merging	60	24	C
Union Ave On Ramp	Merging	58	27	C
H St On Ramp	Merging	59	25	C
Brundage Ln Off Ramp	Diverging	61	26	C
Chester Ave Off Ramp	Diverging	60	26	C
SR99 NB Off Ramp	Diverging	60	24	C
SR99 SB Off Ramp	Diverging	53	18	B

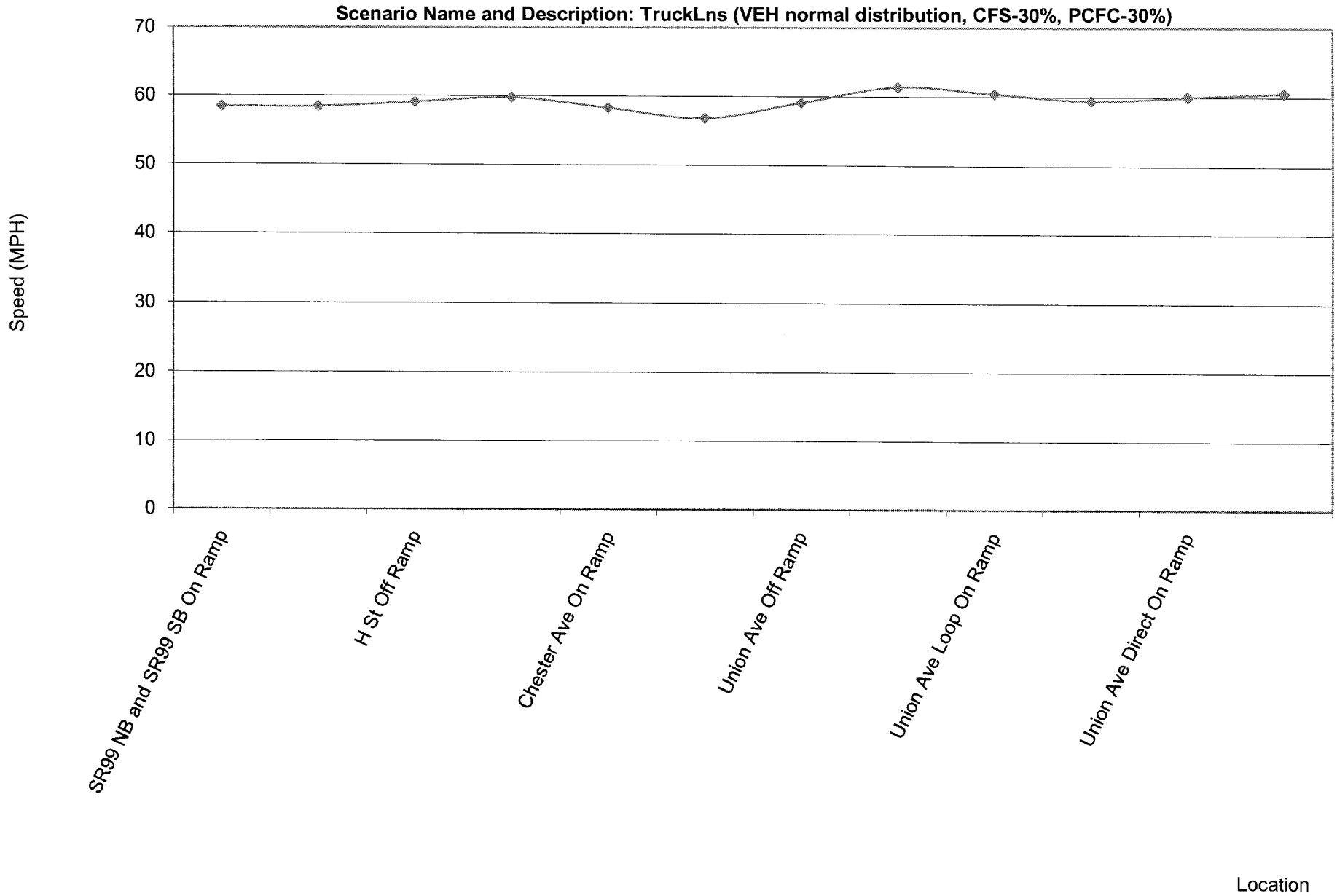
CENTENNIAL EXISTING CALIBRATION
CORSIM Simulated Travel Speed - Highway 99 NB AM Peak



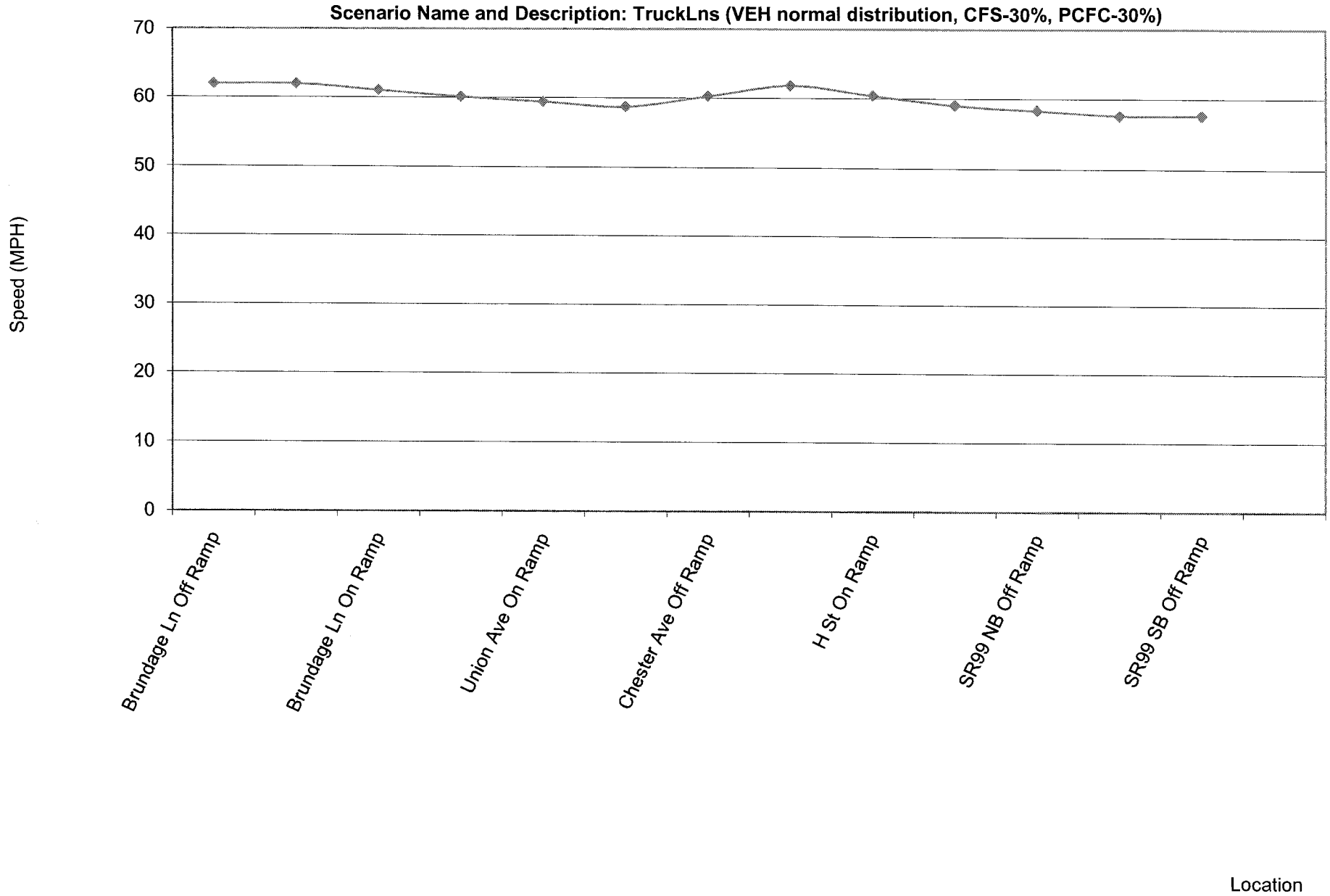
CENTENNIAL EXISTING CALIBRATION
CORSIM Simulated Travel Speed - Highway 99 SB AM Peak



CENTENNIAL EXISTING CALIBRATION
CORSIM Simulated Travel Speed - SR-58 EB AM Peak



CENTENNIAL EXISTING CALIBRATION
CORSIM Simulated Travel Speed - SR-58 WB AM Peak



CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: TruckLns (VEH normal distribution, CFS-30%, PCFC-30%)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	49	1	64	13	B	49	2158	34	1	818	0	0	0	4,648	3802839	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,110	100%	19	1	63	11	B	68	705	11	0	704	0	0	0	1,768	1245261	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,220	99%	7	1	53	17	B	76	338	6	1	1073	0	0	0	555	595700	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,708	100%	74	4	61	19	C	150	4095	76	4	1059	0	0	0	6,895	7092396	24
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,301	99%	25	1	62	13	B	175	1434	23	1	825	0	0	0	2,291	1890361	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,517	100%	12	2	53	19	C	187	792	15	3	1129	0	0	0	926	1045666	3
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,097	100%	31	1	63	12	B	218	1710	27	1	781	0	0	0	2,800	2257813	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	15	B	228	595	10	1	930	0	0	0	844	784920	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	35	4	59	20	C	263	2751	46	5	1188	0	0	0	3,000	3564500	11
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,038	99%	16	1	63	16	B	279	1140	18	1	1010	0	0	0	1,491	1505165	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,610	98%	10	1	56	19	C	289	666	12	2	1153	0	0	0	785	904713	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,831	97%	25	3	56	21	C	314	1834	33	4	1208	0	0	0	2,014	2432576	8
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,081	95%	16	0	63	12	B	329	836	13	0	770	0	0	0	1,432	1102998	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,778	95%	33	1	63	11	A	362	1607	25	1	695	0	0	0	3,055	2121698	6
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,252	95%	34	2	61	13	B	396	1847	30	2	813	0	0	0	3,000	2438625	7
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,082	95%	40	1	63	10	A	436	1468	23	1	595	0	0	0	3,726	2215905	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	48	1	64	17	B	48	2704	42	1	905	0	0	0	4,498	4068702	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	35	5	57	21	C	83	2655	47	7	1224	0	0	0	2,800	3426500	11
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	62	17	B	108	1832	29	1	1065	0	0	0	2,271	2418047	7
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,488	100%	15	2	56	22	C	122	1247	22	3	1372	0	0	0	1,200	1646400	5
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,642	99%	37	7	53	31	D	159	3599	68	13	1661	0	0	0	2,800	4649633	16
California Ave Off Ramp to California Ave On Ramp	5,673	5,605	99%	14	1	62	23	C	173	1304	21	1	1401	0	0	0	1,229	1722136	5
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,440	99%	31	5	54	29	D	204	2988	55	9	1610	0	0	0	2,433	3917333	13
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,498	97%	40	1	63	18	B	244	3164	50	2	1125	0	0	0	3,714	4176393	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,607	98%	5	1	48	24	C	249	404	8	2	1402	0	0	0	381	534067	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,870	97%	25	3	55	25	C	274	2221	40	6	1467	0	0	0	2,004	2940703	9
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,369	98%	35	1	63	17	B	309	2639	42	1	1092	0	0	0	3,189	3482787	11
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,843	96%	62	5	60	24	C	371	4060	83	6	1384	0	0	0	5,403	7475822	24
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,899	100%	19	1	63	16	B	390	981	16	1	975	0	0	0	1,770	1725750	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	3,038	100%	10	0	62	15	B	400	520	8	0	1024	0	0	0	894	915158	3
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	3,134	99%	52	2	62	16	B	452	2835	46	2	1045	0	0	0	4,777	4990373	15
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	42	3	56	8	A	42	564	10	1	571	0	0	0	3,523	2011633	5
SR99 On Ramp to H St Off Ramp	3,419	3,419	100%	10	1	58	20	C	53	576	10	1	1162	0	0	0	870	1010850	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	37	3	60	22	C	90	1944	32	2	1256	0	0	0	3,265	4101493	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,562	100%	29	4	57	31	D	119	1705	30	4	1848	0	0	0	2,419	4469103	14
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	61	26	C	136	918	15	1	1582	0	0	0	1,533	2424440	8
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,226	100%	9	1	58	24	C	145	470	8	1	1678	0	0	0	739	1239673	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,469	100%	74	5	60	29	D	219	4465	74	5	1797	0	0	0	6,567	11803362	36
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	68	3	62	25	C	68	3602	58	2	1533	0	0	0	6,193	9490773	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	62	22	C	85	801	13	1	1358	0	0	0	1,558	2114985	6
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,927	99%	12	1	59	22	C	97	600	10	1	1464	0	0	0	1,082	1583507	4
Union Ave On Ramp to Chester Ave Off Ramp	3,290	3,278	99%	24	2	58	26	D	121	1275	22	2	1639	0	0	0	2,000	3376340	10
Chester Ave Off Ramp to H St On Ramp	2,832	2,832	100%	40	2	61	23	C	161	1924	31	2	1420	0	0	0	3,579	5080391	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,291	100%	28	3	58	27	D	189	1470	25	3	1646	0	0	0	2,350	3868100	12
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,207	100%	27	1	57	20	C	216	959	17	1	1129	0	0	0	2,163	2442027	8

CENTENNIAL CORSIM ANALYSIS RESULTS
EXISTING PM CALIBRATION
Scenario Name and Description: TruckLns (VEH normal distribution, CFS-30%, PCFC-30%)

Freeway Ramps	Demand Volume	CORSIM Served Volume	Percentage Served in CORSIM Model	Speed (MPH)
	(vph)	(vph)	%	
SR-99 NB Off Ramps				
White Ln	338	335	99%	63
Ming Ave	403	397	99%	54
SR58 EB/Wilbe Rd	1,437	1,404	98%	50
California Ave	678	678	100%	52
Rosedale Hwy	1,760	1,753	100%	51
Buck Owens Blvd/Sillect Ave	304	304	100%	53
Airport Dr	1,211	1,144	94%	52
SR-99 NB On Ramps				
White Ln Loop	1,155	1,119	97%	43
White Ln Direct	457	457	100%	52
Ming Ave	1,215	1,215	100%	51
Wible Rd	561	561	100%	50
SR58 WB	1,084	1,038	96%	46
California Ave Loop	629	583	93%	48
California Ave Direct	297	216	73%	50
Buck Owens Blvd/Sillect Ave	479	477	100%	33
SR-99 SB Off Ramps				
Rosedale Hwy	633	630	100%	53
California Ave	1,027	1,027	100%	51
SR58 EB/Stockdale Hwy	1,896	1,896	100%	51
Ming Ave	1,557	1,490	96%	51
White Ln	2,029	1,915	94%	54
SR-99 SB On Ramps				
Airport Dr	1,725	1,725	100%	44
Rosedale Hwy Loop	1,267	1,236	98%	49
Rosedale Hwy Direct	1,191	1,174	99%	39
California Ave	845	833	99%	50
SR58 WB	1,124	1,118	99%	51
Real Rd	281	249	89%	51
Ming Ave	458	458	100%	50
White Ln Loop	139	139	100%	52
White Ln Direct	139	70	50%	53
SR58 EB Off Ramps				
H St	416	350	84%	53
Union Ave	557	538	97%	53
SR58 EB On Ramps				
SR99 NB and SR99 SB	2,619	2,619	100%	52
Chester Ave	559	550	98%	49
Union Ave Loop	221	197	89%	52
Union Ave Direct	243	232	95%	52
SR58 WB Off Ramps				
Brundage Ln	350	335	96%	53
Chester Ave	464	442	95%	53
SR99 NB	1,084	1,035	95%	53
SR99 SB	1,124	1,116	99%	43
SR58 WB On Ramps				
Brundage Ln	249	214	86%	49
Union Ave	344	344	100%	50
H St	459	457	100%	50

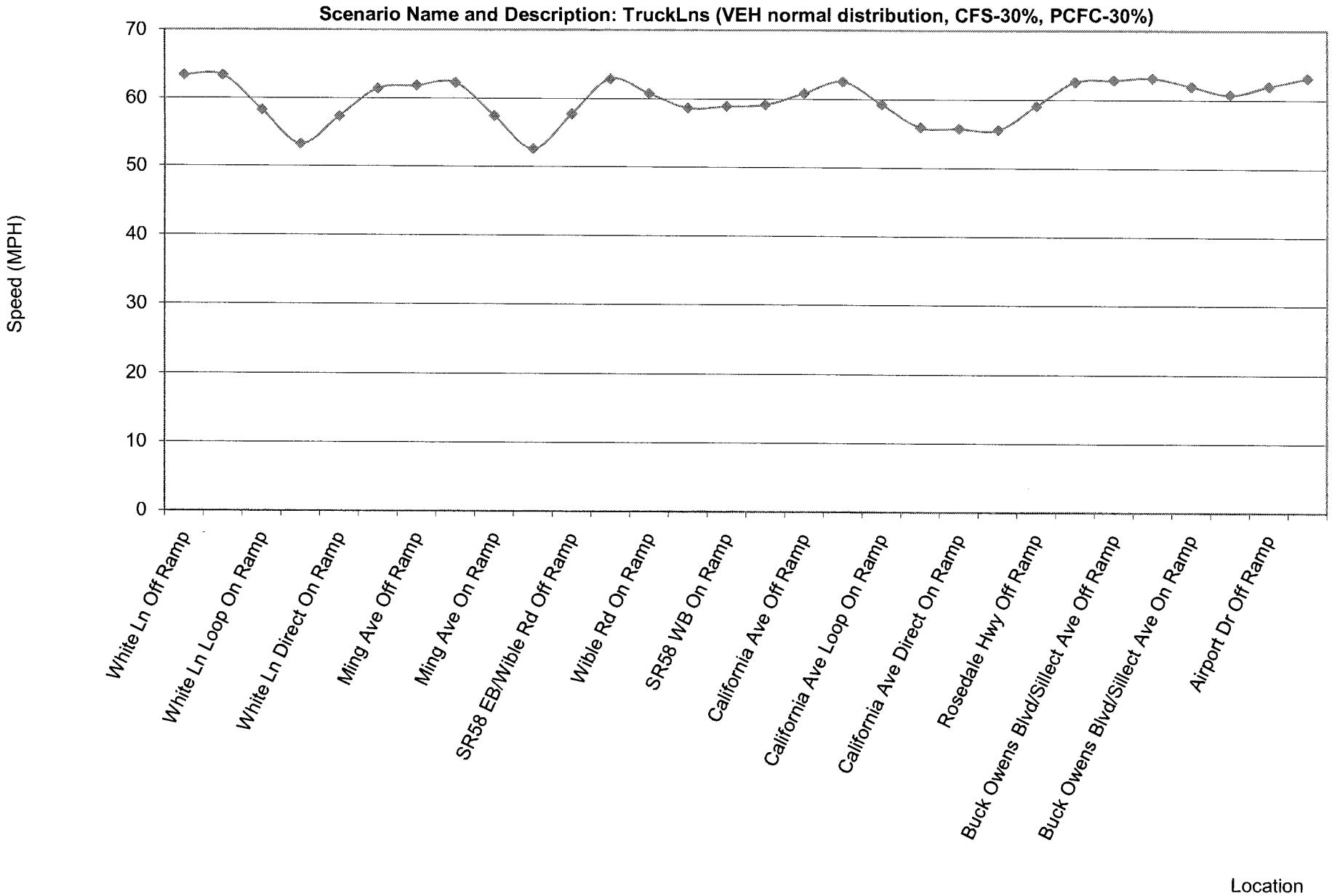
CENTENNIAL CORSIM ANALYSIS RESULTS
EXISTING PM CALIBRATION
Merging/Diverging & Weaving Analysis
Scenario Name and Description: TruckLns (VEH normal distribution, CFS-30%, PCFC-30%)

Location	Analysis Type	Demand Volumes (vph)	CORSIM Served Volumes (vph)	Percentage Served in CORSIM Model %	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)
SR-99 NB							
White Ln Loop On Ramp	Merging	3,265	3,220	99%	53	17	B
White Ln Direct On Ramp	Merging	3,722	3,695	99%	60	19	B
Ming Ave On Ramp	Merging	4,534	4,517	100%	53	19	B
Wible Rd On Ramp	Merging	3,658	3,658	100%	59	15	B
SR58 WB On Ramp	Merging	4,742	4,742	100%	55	20	C
California Ave Loop On	Merging	4,693	4,610	98%	56	19	B
California Ave Direct On	Merging	4,990	4,831	97%	55	21	C
Buck Owens Blvd/Sillect Ave On Ramp	Merging	3,405	3,260	96%	60	13	B
White Ln Off Ramp	Diverging	2,448	2,447	100%	64	13	B
Ming Ave Off Ramp	Diverging	3,722	3,708	100%	62	15	B
SR58 EB/Wible Rd Off Ramp	Diverging	4,534	4,517	100%	53	19	B
California Ave Off Ramp	Diverging	4,742	4,742	100%	61	19	B
Rosedale Hwy Off Ramp	Diverging	4,990	4,831	97%	58	21	C
Buck Owens Blvd/Sillect Ave Off Ramp	Diverging	3,230	3,081	95%	63	12	B
Airport Dr Off Ramp	Diverging	3,405	3,243	95%	61	13	B
SR-99 SB							
Airport Dr On Ramp	Merging	4,875	4,875	100%	55	22	C
Rosedale Hwy Loop On Ramp	Merging	5,509	5,488	100%	56	22	C
Rosedale Hwy Direct On Ramp	Merging	6,700	6,639	99%	50	32	D
California Ave On Ramp	Merging	6,518	6,440	99%	52	29	D
SR58 WB On Ramp	Merging	5,746	5,607	98%	48	24	C
Real Rd On Ramp	Merging	6,027	5,871	97%	53	25	C
Ming Ave On Ramp	Merging	4,928	4,842	98%	58	20	B
White Ln Loop On Ramp	Merging	3,038	3,038	100%	62	15	B
White Ln Direct On Ramp	Merging	3,176	3,136	99%	62	16	B
Rosedale Hwy Off Ramp	Diverging	4,875	4,875	100%	60	21	C
California Ave Off Ramp	Diverging	6,700	6,639	99%	56	30	D
SR58 EB/Stockdale Hwy Off Ramp	Diverging	6,518	6,440	99%	56	29	D
Ming Ave Off Ramp	Diverging	6,027	5,870	97%	58	25	C
White Ln Off Ramp	Diverging	4,928	4,839	98%	60	21	C
SR-58 EB							
SR99 NB & SB On Ramp	Merging	3,419	3,419	100%	58	20	B
Chester Ave On Ramp	Merging	3,562	3,562	100%	56	31	D
Union Ave Loop On Ramp	Merging	3,226	3,226	100%	58	24	C
Union Ave Direct On Ramp	Merging	3,469	3,469	100%	59	28	C
H St Off Ramp	Diverging	3,419	3,419	100%	58	20	B
Union Ave Off Ramp	Diverging	3,562	3,562	100%	59	31	D
SR-58 WB							
Brundage Ln On Ramp	Merging	2,952	2,927	99%	59	22	C
Union Ave On Ramp	Merging	3,296	3,278	99%	58	25	C
H St On Ramp	Merging	3,291	3,291	100%	58	26	C
Brundage Ln Off Ramp	Diverging	3,053	3,050	100%	61	25	C
Chester Ave Off Ramp	Diverging	3,296	3,278	99%	60	27	C
SR99 NB Off Ramp	Diverging	3,291	3,291	100%	59	28	C
SR99 SB Off Ramp	Diverging	2,207	2,207	100%	53	21	C

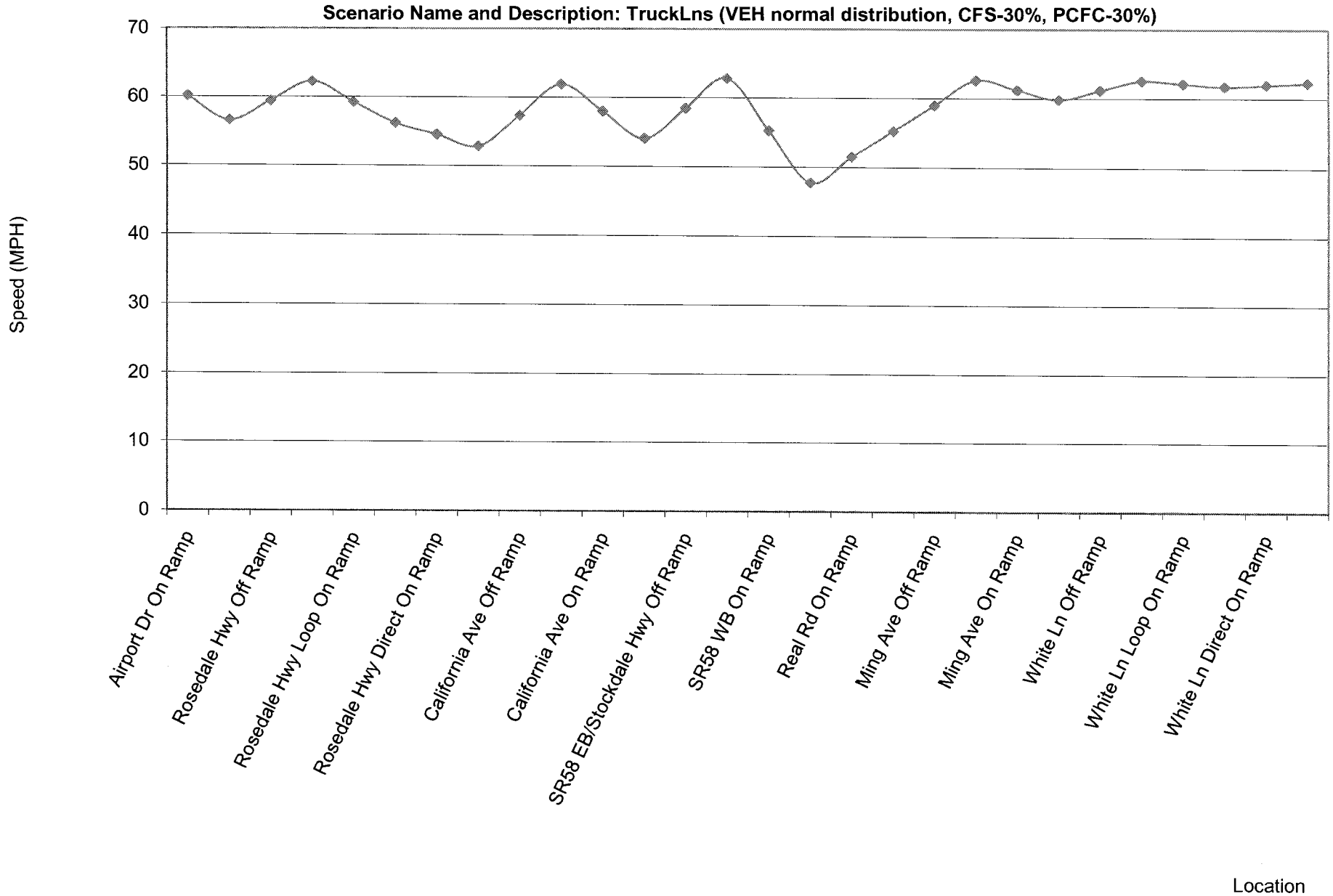
CENTENNIAL CORSIM ANALYSIS RESULTS
EXISTING PM CALIBRATION
Merging/Diverging & Weaving Analysis (Lane 1 & Lane 2)
Scenario Name and Description: TruckLns (VEH normal distribution, CFS-30%, PCFC-30%)

Location	Analysis Type	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)
SR-99 NB				
White Ln Loop On Ramp	Merging	51	24	C
White Ln Direct On Ramp	Merging	59	24	C
Ming Ave On Ramp	Merging	50	36	E
Wible Rd On Ramp	Merging	56	22	C
SR58 WB On Ramp	Merging	53	33	D
California Ave Loop On	Merging	53	31	D
California Ave Direct On	Merging	52	36	E
Buck Owens Blvd/Sillect Ave On Ramp	Merging	59	20	C
White Ln Off Ramp	Diverging	64	13	B
Ming Ave Off Ramp	Diverging	61	23	C
SR58 EB/Wible Rd Off Ramp	Diverging	50	36	E
California Ave Off Ramp	Diverging	59	28	D
Rosedale Hwy Off Ramp	Diverging	55	33	D
Buck Owens Blvd/Sillect Ave Off Ramp	Diverging	61	16	B
Airport Dr Off Ramp	Diverging	60	21	C
SR-99 SB				
Airport Dr On Ramp	Merging	53	35	E
Rosedale Hwy Loop On Ramp	Merging	54	36	E
Rosedale Hwy Direct On Ramp	Merging	47	51	E
California Ave On Ramp	Merging	49	48	E
SR58 WB On Ramp	Merging	43	46	E
Real Rd On Ramp	Merging	50	41	E
Ming Ave On Ramp	Merging	59	25	C
White Ln Loop On Ramp	Merging	61	16	B
White Ln Direct On Ramp	Merging	62	16	B
Rosedale Hwy Off Ramp	Diverging	58	31	D
California Ave Off Ramp	Diverging	55	42	E
SR58 EB/Stockdale Hwy Off Ramp	Diverging	54	42	E
Ming Ave Off Ramp	Diverging	55	36	E
White Ln Off Ramp	Diverging	59	32	D
SR-58 EB				
SR99 NB & SB On Ramp	Merging	57	31	D
Chester Ave On Ramp	Merging	56	33	D
Union Ave Loop On Ramp	Merging	58	29	D
Union Ave Direct On Ramp	Merging	59	30	D
H St Off Ramp	Diverging	60	26	C
Union Ave Off Ramp	Diverging	59	31	D
SR-58 WB				
Brundage Ln On Ramp	Merging	59	25	C
Union Ave On Ramp	Merging	58	28	D
H St On Ramp	Merging	58	29	D
Brundage Ln Off Ramp	Diverging	61	25	C
Chester Ave Off Ramp	Diverging	60	27	C
SR99 NB Off Ramp	Diverging	59	28	C
SR99 SB Off Ramp	Diverging	53	21	C

CENTENNIAL EXISTING CALIBRATION
CORSIM Simulated Travel Speed - Highway 99 NB PM Peak

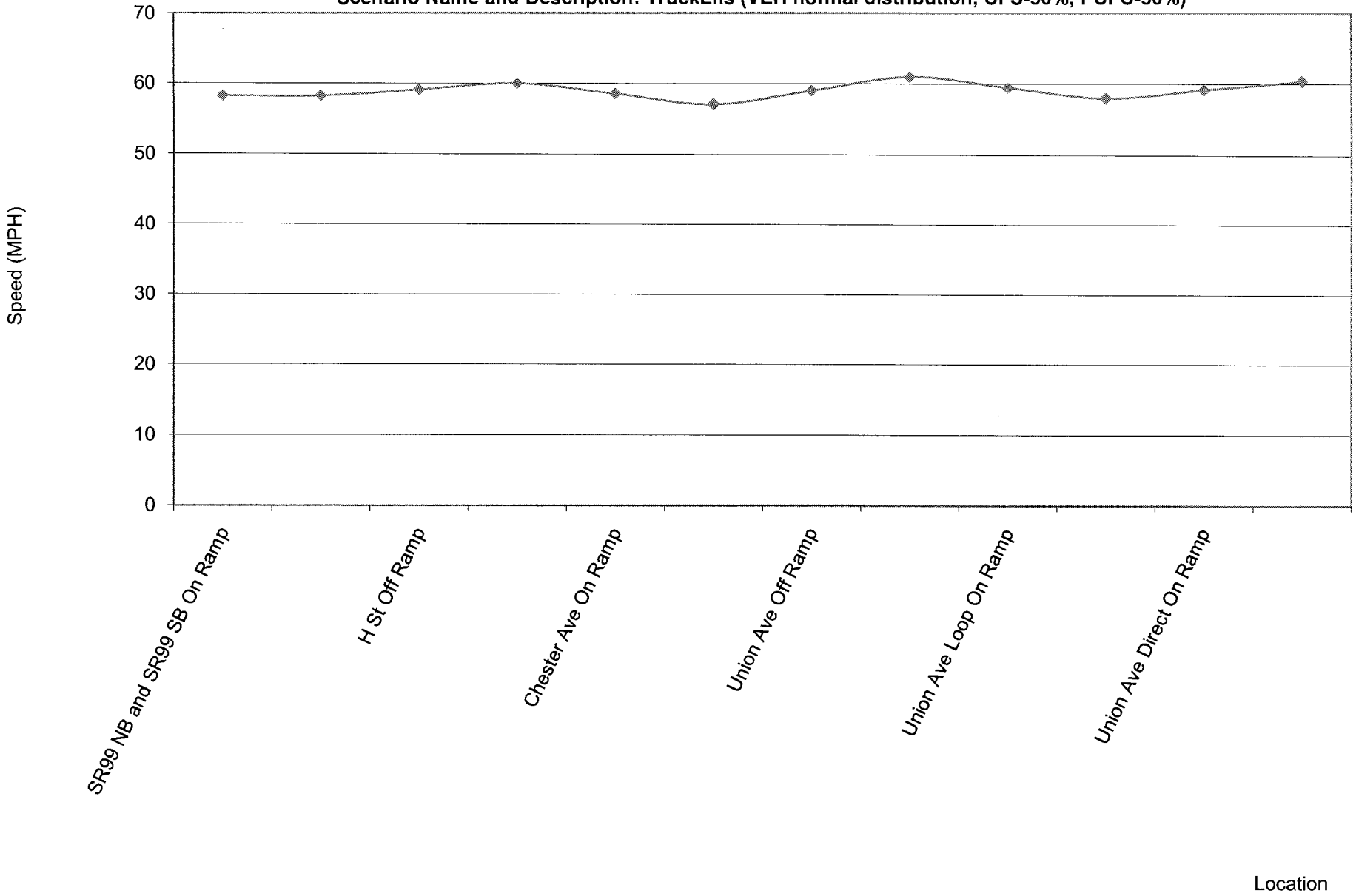


CENTENNIAL EXISTING CALIBRATION
CORSIM Simulated Travel Speed - Highway 99 SB PM Peak



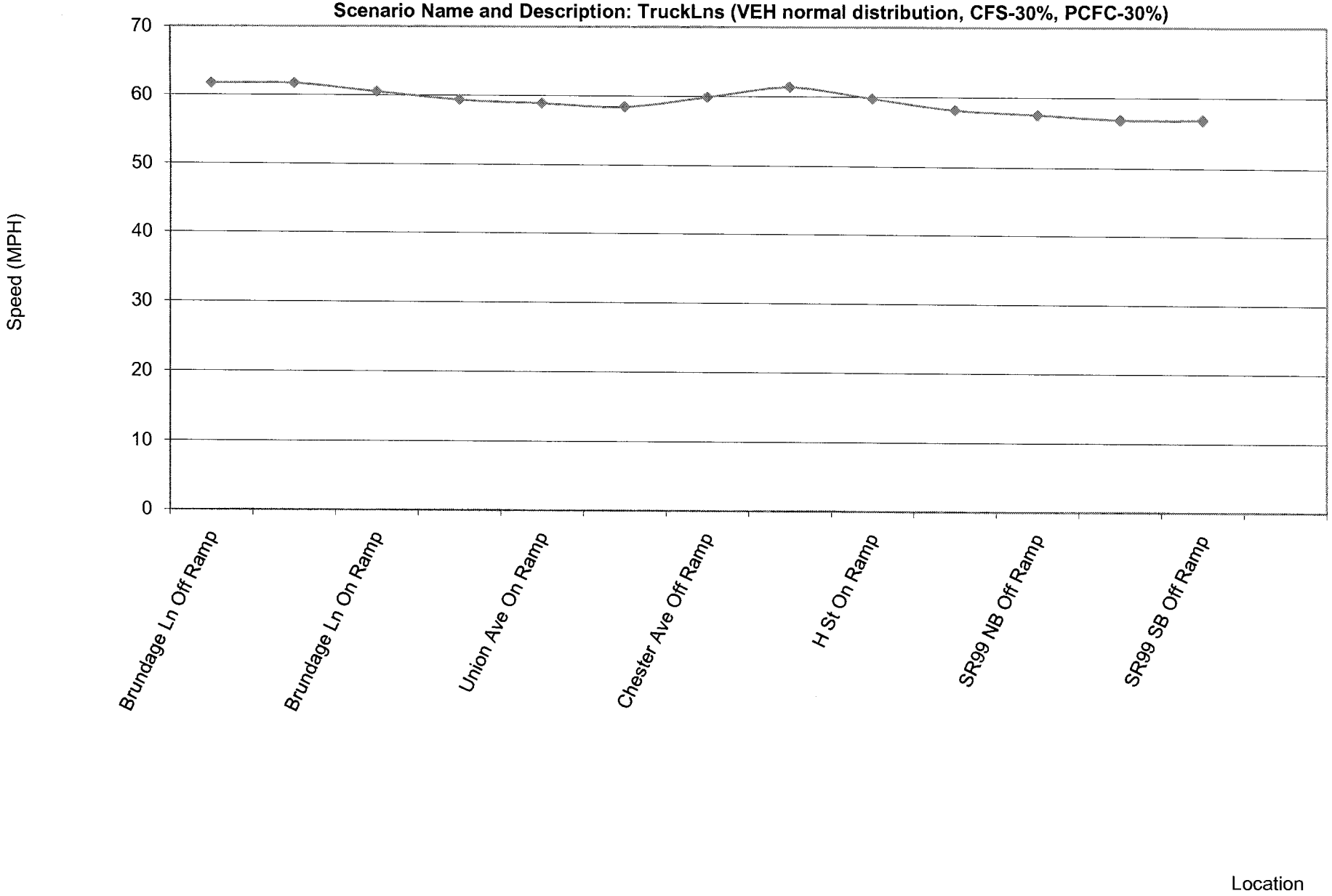
CENTENNIAL EXISTING CALIBRATION
CORSIM Simulated Travel Speed - SR-58 EB PM Peak

Scenario Name and Description: TruckLns (VEH normal distribution, CFS-30%, PCFC-30%)



CENTENNIAL EXISTING CALIBRATION
CORSIM Simulated Travel Speed - SR-58 WB PM Peak

Scenario Name and Description: TruckLns (VEH normal distribution, CFS-30%, PCFC-30%)



CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: TruckLns_Off (VEH normal distribution, CFS -30%, PCFC -30%)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	1	63	19	C	50	3137	50	1	1191	0	0	0	4,648	5533444	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,353	100%	19	1	62	18	C	69	1123	18	1	1118	0	0	0	1,768	1976624	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	9	3	42	33	D	78	522	12	4	1654	0	0	0	555	918155	4
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,608	100%	77	7	59	29	D	155	7127	120	10	1607	0	0	0	6,605	10760778	37
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,304	100%	28	4	57	23	C	183	2367	41	6	1326	0	0	0	2,291	3037806	10
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,576	100%	18	8	35	42	E	201	1157	33	14	1649	1	29	4	926	1526074	7
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,656	97%	32	2	62	19	C	233	2548	41	2	1164	0	0	0	2,890	3363980	10
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,132	97%	10	1	60	20	C	243	820	14	1	1283	0	0	0	844	1082852	3
SR58 WB On Ramp to California Ave Off Ramp	6,386	6,197	97%	35	3	59	25	C	278	3553	60	6	1549	0	0	0	3,000	4847750	14
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,136	98%	16	1	62	21	C	294	1451	23	1	1285	0	0	0	1,491	1915190	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,592	98%	9	1	58	22	C	303	832	14	2	1398	0	0	0	785	1097430	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,939	5,750	97%	26	5	53	26	C	329	2180	41	7	1437	0	0	0	2,014	2894957	10
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,058	96%	16	1	61	17	B	345	1100	18	1	1015	0	0	0	1,432	1452764	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,275	97%	33	1	63	13	B	378	1895	30	1	819	0	0	0	3,055	2501281	8
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,600	97%	34	2	61	14	B	412	2046	34	2	900	0	0	0	3,000	2700000	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,161	99%	40	1	63	10	A	452	1525	24	1	617	0	0	0	3,726	2300007	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	16	B	48	2534	40	1	848	0	0	0	4,498	3815589	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,082	4,082	100%	33	3	59	17	B	81	2197	37	3	1026	0	0	0	2,600	2871867	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	62	14	B	106	1522	24	1	885	0	0	0	2,271	2008700	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	60	16	B	119	995	16	1	1063	0	0	0	1,200	1275300	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	34	5	56	22	C	153	2739	49	6	1288	0	0	0	2,800	3607100	12
California Ave Off Ramp to California Ave On Ramp	4,015	4,015	100%	13	1	62	16	B	167	948	15	1	1019	0	0	0	1,229	1251737	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,352	100%	28	2	59	18	C	195	2021	34	3	1094	0	0	0	2,433	2661905	8
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,885	100%	40	1	63	12	B	235	2054	32	1	730	0	0	0	3,714	2711220	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,823	100%	5	1	52	15	B	240	278	5	1	964	0	0	0	381	367189	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	4,064	100%	23	2	59	16	B	263	1536	26	2	1615	0	0	0	2,004	2036231	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,221	99%	34	1	63	13	B	297	1946	31	1	805	0	0	0	3,189	2567942	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,457	98%	60	3	62	16	B	357	3545	58	3	988	0	0	0	5,403	5330234	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,145	99%	19	1	63	11	B	376	719	11	0	715	0	0	0	1,770	1265550	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,255	99%	10	0	63	11	A	386	382	6	0	752	0	0	0	894	671990	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,329	96%	52	2	53	12	B	438	2107	33	1	776	0	0	0	4,777	3708544	11
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	43	4	55	9	A	43	677	12	1	684	0	0	0	3,523	2410906	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	58	22	C	53	624	11	1	1258	0	0	0	870	1094170	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	37	3	60	23	C	90	2100	35	2	1357	0	0	0	3,285	4429952	14
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	29	4	57	32	D	119	1785	31	4	1939	0	0	0	2,419	4689635	15
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	61	25	C	137	884	15	1	1522	0	0	0	1,533	2333226	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	9	1	59	23	C	145	446	8	1	1661	0	0	0	739	1182770	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	74	5	60	28	D	219	4229	70	5	1702	0	0	0	6,567	11174571	34
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	68	3	62	26	C	68	3744	60	3	1593	0	0	0	6,193	9863901	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,659	100%	17	1	61	22	C	85	789	13	1	1337	0	0	0	1,558	2082267	6
Brundage Ln On Ramp to Union Ave On Ramp	2,655	2,652	100%	12	1	60	21	C	98	584	10	1	1426	0	0	0	1,082	1542932	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,096	100%	25	3	57	25	C	122	1202	21	2	1551	0	0	0	2,060	3195747	10
Chester Ave Off Ramp to H St On Ramp	2,622	2,607	99%	40	2	61	21	C	162	1768	29	2	1304	0	0	0	3,579	4665227	14
H St On Ramp to SR99 NB Off Ramp	2,955	2,938	99%	28	3	57	24	C	190	1310	23	3	1469	0	0	0	2,350	3452150	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,867	100%	27	1	57	16	B	217	793	14	1	936	0	0	0	2,163	2024027	7

CENTENNIAL CORSIM ANALYSIS RESULTS
EXISTING AM CALIBRATION
Scenario Name and Description: TruckLns_Off (VEH normal distribution, CFS -30%, PCFC -30%)

Freeway Ramps	Demand Volume	CORSIM Served Volume	Percentage Served in CORSIM Model	Speed (MPH)
	(vph)	(vph)	%	
SR-99 NB Off Ramps				
White Ln	202	202	100%	62
Ming Ave	297	297	100%	54
SR58 EB/Wilbe Rd	1,768	1,768	100%	45
California Ave	1,131	1,059	94%	53
Rosedale Hwy	1,730	1,695	98%	49
Buck Owens Blvd/Sillect Ave	822	789	96%	53
Airport Dr	1,508	1,425	94%	51
SR-99 NB On Ramps				
White Ln Loop	1,571	1,571	100%	38
White Ln Direct	684	647	95%	52
Ming Ave	1,265	1,265	100%	49
Wible Rd	490	471	96%	50
SR58 WB	1,088	1,062	98%	46
California Ave Loop	456	456	100%	48
California Ave Direct	228	156	68%	51
Buck Owens Blvd/Sillect Ave	306	306	100%	36
SR-99 SB Off Ramps				
Rosedale Hwy	585	568	97%	53
California Ave	1,077	1,077	100%	50
SR58 EB/Stockdale Hwy	1,467	1,465	100%	52
Ming Ave	811	811	100%	52
White Ln	1,347	1,298	96%	54
SR-99 SB On Ramps				
Airport Dr	1,109	1,109	100%	48
Rosedale Hwy Loop	698	698	100%	49
Rosedale Hwy Direct	917	913	100%	40
California Ave	337	300	89%	50
SR58 WB	938	937	100%	51
Real Rd	255	225	88%	51
Ming Ave	245	245	100%	52
White Ln Loop	111	111	100%	53
White Ln Direct	139	74	53%	54
SR58 EB Off Ramps				
H St	410	385	94%	54
Union Ave	821	821	100%	53
SR58 EB On Ramps				
SR99 NB and SR99 SB	2,607	2,607	100%	52
Chester Ave	475	475	100%	49
Union Ave Loop	174	160	92%	53
Union Ave Direct	199	199	100%	52
SR58 WB Off Ramps				
Brundage Ln	509	500	98%	51
Chester Ave	474	474	100%	53
SR99 NB	1,088	1,059	97%	53
SR99 SB	938	938	100%	43
SR58 WB On Ramps				
Brundage Ln	196	182	93%	49
Union Ave	241	241	100%	50
H St	333	333	100%	49

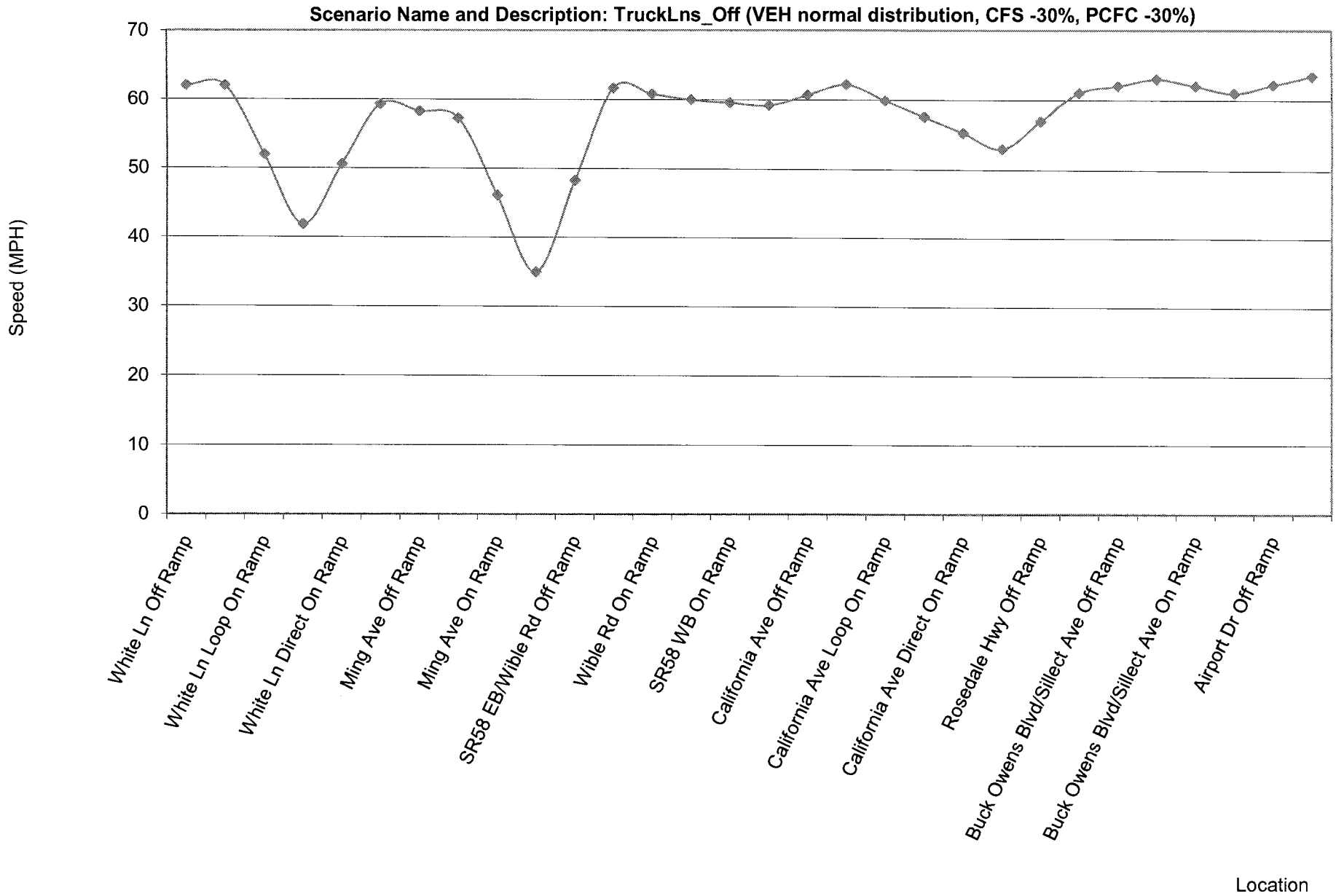
CENTENNIAL CORSIM ANALYSIS RESULTS
EXISTING AM CALIBRATION
Merging/Diverging & Weaving Analysis
Scenario Name and Description: TruckLns_Off (VEH normal distribution, CFS -30%, PCFC -30%)

Location	Analysis Type	Demand Volumes (vph)	CORSIM Served Volumes (vph)	Percentage Served in CORSIM Model %	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)
SR-99 NB							
White Ln Loop On Ramp	Merging	4,924	4,924	100%	42	33	D
White Ln Direct On Ramp	Merging	5,608	5,608	100%	55	32	D
Ming Ave On Ramp	Merging	6,576	6,576	100%	35	42	E
Wible Rd On Ramp	Merging	5,298	5,132	97%	60	20	B
SR58 WB On Ramp	Merging	6,386	6,197	97%	57	25	C
California Ave Loop On	Merging	5,711	5,592	98%	58	22	C
California Ave Direct On	Merging	5,939	5,752	97%	54	25	C
Buck Owens Blvd/Sillect Ave On Ramp	Merging	3,693	3,605	98%	61	14	B
White Ln Off Ramp	Diverging	3,555	3,555	100%	63	19	B
Ming Ave Off Ramp	Diverging	5,608	5,608	100%	61	23	C
SR58 EB/Wible Rd Off Ramp	Diverging	6,576	6,576	100%	35	42	E
California Ave Off Ramp	Diverging	6,386	6,197	97%	60	26	C
Rosedale Hwy Off Ramp	Diverging	5,939	5,749	97%	53	27	C
Buck Owens Blvd/Sillect Ave Off Ramp	Diverging	4,209	4,058	96%	61	17	B
Airport Dr Off Ramp	Diverging	3,693	3,595	97%	61	15	B
SR-99 SB							
Airport Dr On Ramp	Merging	4,062	4,062	100%	58	17	B
Rosedale Hwy Loop On Ramp	Merging	4,175	4,175	100%	60	16	B
Rosedale Hwy Direct On Ramp	Merging	5,092	5,092	100%	55	22	C
California Ave On Ramp	Merging	4,352	4,352	100%	59	18	B
SR58 WB On Ramp	Merging	3,823	3,823	100%	52	15	B
Real Rd On Ramp	Merging	4,078	4,068	100%	58	16	B
Ming Ave On Ramp	Merging	3,512	3,465	99%	61	13	B
White Ln Loop On Ramp	Merging	2,276	2,255	99%	63	11	B
White Ln Direct On Ramp	Merging	2,415	2,328	96%	63	12	B
Rosedale Hwy Off Ramp	Diverging	4,062	4,062	100%	61	17	B
California Ave Off Ramp	Diverging	5,092	5,092	100%	58	22	C
SR58 EB/Stockdale Hwy Off Ramp	Diverging	4,352	4,352	100%	60	18	B
Ming Ave Off Ramp	Diverging	4,078	4,060	100%	60	17	B
White Ln Off Ramp	Diverging	3,512	3,449	98%	61	15	B
SR-58 EB							
SR99 NB & SB On Ramp	Merging	3,553	3,553	100%	58	22	C
Chester Ave On Ramp	Merging	3,618	3,618	100%	56	32	D
Union Ave Loop On Ramp	Merging	2,971	2,971	100%	59	23	C
Union Ave Direct On Ramp	Merging	3,170	3,170	100%	59	26	C
H St Off Ramp	Diverging	3,553	3,553	100%	58	22	C
Union Ave Off Ramp	Diverging	3,618	3,618	100%	58	33	D
SR-58 WB							
Brundage Ln On Ramp	Merging	2,855	2,852	100%	60	21	C
Union Ave On Ramp	Merging	3,096	3,096	100%	58	24	C
H St On Ramp	Merging	2,955	2,940	99%	57	24	C
Brundage Ln Off Ramp	Diverging	3,168	3,168	100%	60	26	C
Chester Ave Off Ramp	Diverging	3,096	3,096	100%	57	27	C
SR99 NB Off Ramp	Diverging	2,955	2,937	99%	58	25	C
SR99 SB Off Ramp	Diverging	1,867	1,867	100%	53	18	B

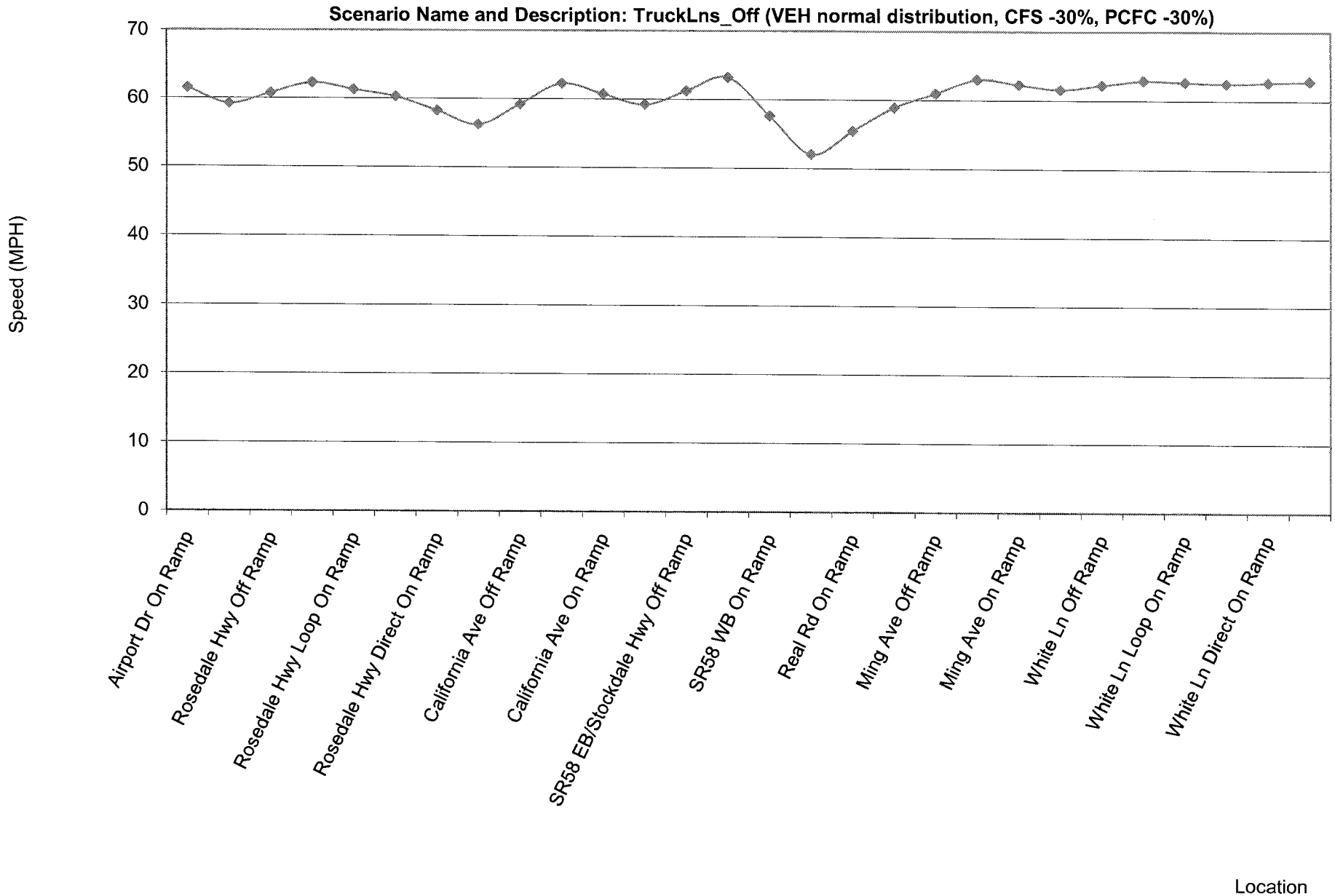
CENTENNIAL CORSIM ANALYSIS RESULTS
EXISTING AM CALIBRATION
Merging/Diverging & Weaving Analysis (Lane 1 & Lane 2)
Scenario Name and Description: TruckLns_Off (VEH normal distribution, CFS -30%, PCFC -30%)

Location	Analysis Type	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)
SR-99 NB				
White Ln Loop On Ramp	Merging	38	49	E
White Ln Direct On Ramp	Merging	53	38	E
Ming Ave On Ramp	Merging	30	78	E
Wible Rd On Ramp	Merging	57	24	C
SR58 WB On Ramp	Merging	54	36	E
California Ave Loop On	Merging	55	33	D
California Ave Direct On	Merging	51	40	E
Buck Owens Blvd/Sillect Ave On Ramp	Merging	60	21	C
White Ln Off Ramp	Diverging	63	19	B
Ming Ave Off Ramp	Diverging	60	32	D
SR58 EB/Wible Rd Off Ramp	Diverging	30	78	E
California Ave Off Ramp	Diverging	58	34	D
Rosedale Hwy Off Ramp	Diverging	50	42	E
Buck Owens Blvd/Sillect Ave Off Ramp	Diverging	59	21	C
Airport Dr Off Ramp	Diverging	60	23	C
SR-99 SB				
Airport Dr On Ramp	Merging	57	27	C
Rosedale Hwy Loop On Ramp	Merging	59	26	C
Rosedale Hwy Direct On Ramp	Merging	53	37	E
California Ave On Ramp	Merging	57	29	D
SR58 WB On Ramp	Merging	49	29	D
Real Rd On Ramp	Merging	56	27	C
Ming Ave On Ramp	Merging	60	18	B
White Ln Loop On Ramp	Merging	62	12	B
White Ln Direct On Ramp	Merging	62	13	B
Rosedale Hwy Off Ramp	Diverging	60	26	C
California Ave Off Ramp	Diverging	57	34	D
SR58 EB/Stockdale Hwy Off Ramp	Diverging	58	28	D
Ming Ave Off Ramp	Diverging	59	25	C
White Ln Off Ramp	Diverging	60	22	C
SR-58 EB				
SR99 NB & SB On Ramp	Merging	57	33	D
Chester Ave On Ramp	Merging	56	34	D
Union Ave Loop On Ramp	Merging	59	27	C
Union Ave Direct On Ramp	Merging	59	29	D
H St Off Ramp	Diverging	60	28	D
Union Ave Off Ramp	Diverging	58	33	D
SR-58 WB				
Brundage Ln On Ramp	Merging	60	24	C
Union Ave On Ramp	Merging	58	27	C
H St On Ramp	Merging	57	26	C
Brundage Ln Off Ramp	Diverging	60	26	C
Chester Ave Off Ramp	Diverging	57	27	C
SR99 NB Off Ramp	Diverging	58	25	C
SR99 SB Off Ramp	Diverging	53	18	B

CENTENNIAL EXISTING CALIBRATION
CORSIM Simulated Travel Speed - Highway 99 NB AM Peak

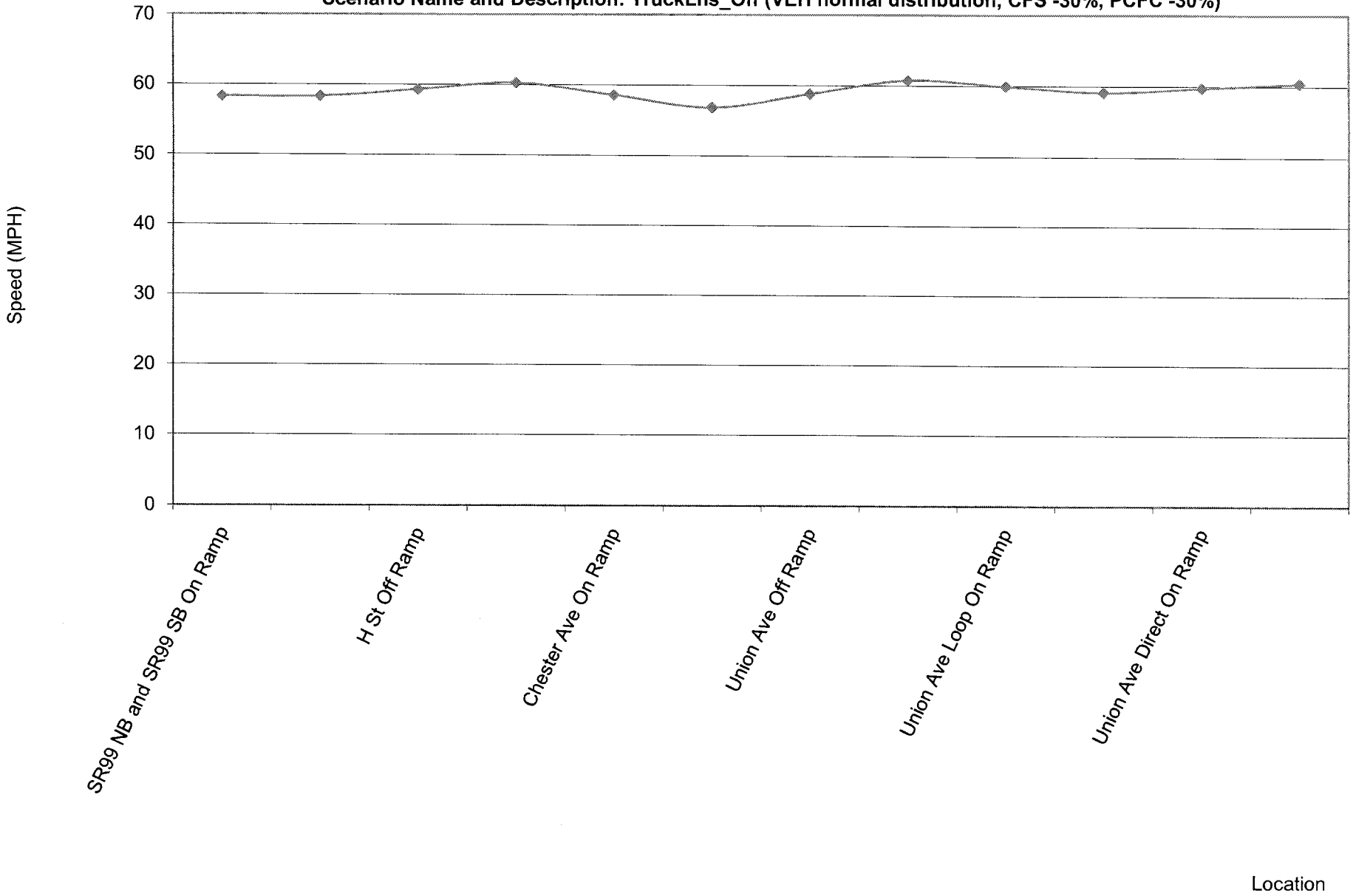


CENTENNIAL EXISTING CALIBRATION
CORSIM Simulated Travel Speed - Highway 99 SB AM Peak



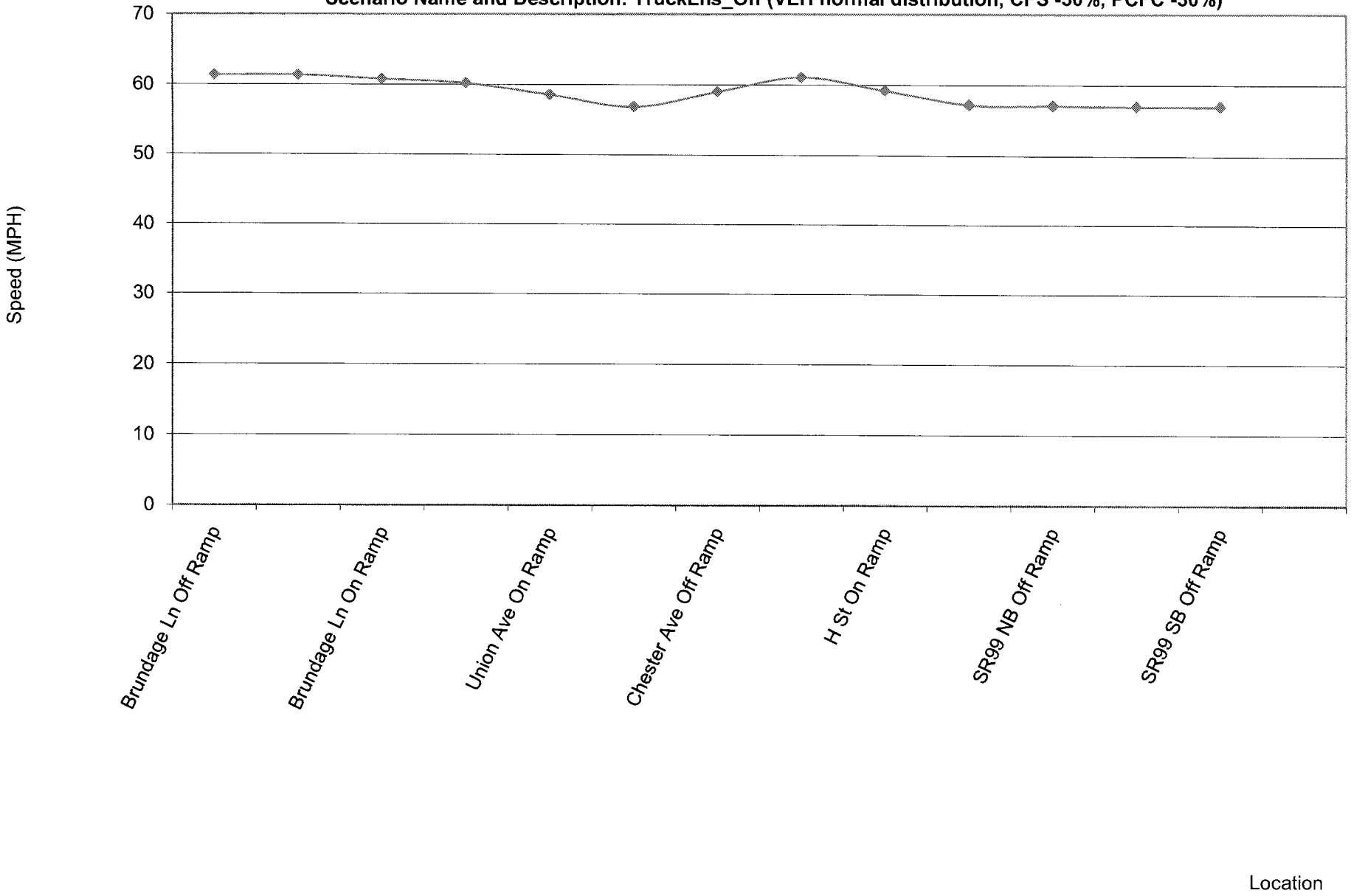
CENTENNIAL EXISTING CALIBRATION
CORSIM Simulated Travel Speed - SR-58 EB AM Peak

Scenario Name and Description: TruckLns_Off (VEH normal distribution, CFS -30%, PCFC -30%)



CENTENNIAL EXISTING CALIBRATION
CORSIM Simulated Travel Speed - SR-58 WB AM Peak

Scenario Name and Description: TruckLns_Off (VEH normal distribution, CFS -30%, PCFC -30%)



CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: TruckLns_Off (VEH normal distribution, CFS -30%, PCFC -30%)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	50	1	64	13	B	50	2158	34	1	818	0	0	0	4,648	3802839	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,108	100%	19	1	63	11	B	69	705	11	0	702	0	0	0	1,768	1241136	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,185	98%	7	1	52	17	B	76	335	6	1	1062	0	0	0	555	589225	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,678	99%	74	4	61	18	C	150	4656	76	4	1051	0	0	0	6,695	7034532	23
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,260	98%	25	1	62	13	B	175	1416	23	1	815	0	0	0	2,291	1868879	6
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,468	99%	12	3	51	19	C	188	784	15	3	1117	0	0	0	926	1034342	3
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,095	100%	31	1	63	12	B	219	1694	27	1	774	0	0	0	2,890	2238138	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,658	100%	10	1	59	14	B	229	592	10	1	925	0	0	0	844	780489	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	35	4	59	20	C	264	2783	47	5	1201	0	0	0	3,000	3602000	11
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,064	100%	16	1	63	16	B	281	1161	19	1	1028	0	0	0	1,491	1532003	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,691	100%	9	1	57	19	C	290	698	12	1	1173	0	0	0	785	920609	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,913	98%	25	3	55	21	C	315	1863	34	5	1228	0	0	0	2,014	2473090	8
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,170	98%	16	0	63	13	B	330	859	14	0	793	0	0	0	1,432	1134860	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,894	99%	33	1	63	11	B	363	1675	26	1	724	0	0	0	3,055	2210293	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,309	98%	33	2	61	13	B	397	1914	31	2	842	0	0	0	3,000	2526375	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,131	97%	40	1	63	10	A	437	1504	24	1	609	0	0	0	3,726	2268602	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	49	1	63	17	B	49	2702	43	1	904	0	0	0	4,498	4068120	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	34	4	57	21	C	82	2664	46	6	1232	0	0	0	2,800	3448667	11
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	62	17	B	107	1858	30	1	1080	0	0	0	2,271	2452112	7
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,509	100%	15	2	56	22	C	122	1262	22	3	1388	0	0	0	1,200	1665900	5
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,697	100%	39	9	50	32	D	161	3678	73	18	1674	0	0	0	2,800	4687900	17
California Ave Off Ramp to California Ave On Ramp	5,673	5,673	100%	14	1	59	24	C	175	1320	22	2	1418	0	0	0	1,229	1743029	6
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,486	100%	31	5	55	29	D	206	3011	55	9	1621	0	0	0	2,433	3944907	13
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,618	100%	40	1	63	18	C	246	3249	52	2	1155	0	0	0	3,714	4287813	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,716	99%	5	1	58	21	C	251	413	7	1	1429	0	0	0	381	544449	2
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,972	99%	24	3	58	24	C	275	2265	39	4	1493	0	0	0	2,004	2992139	9
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,401	98%	35	1	63	18	B	309	2657	42	1	1100	0	0	0	3,189	3508697	11
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,880	99%	62	5	60	24	C	372	5020	84	7	1394	0	0	0	5,403	7532554	24
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,878	99%	19	1	63	15	B	391	985	15	1	959	0	0	0	1,770	1698020	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	3,018	99%	10	0	62	15	B	401	511	8	0	1006	0	0	0	804	899364	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	3,092	97%	52	2	63	16	B	453	2796	45	2	1031	0	0	0	4,777	4922699	14
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	42	3	56	8	A	42	572	10	1	580	0	0	0	3,523	2042166	5
SR99 On Ramp to H St Off Ramp	3,419	3,419	100%	10	1	59	20	C	53	567	10	1	1144	0	0	0	870	994845	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	37	2	61	21	C	89	1871	31	2	1209	0	0	0	3,265	3948038	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,562	100%	29	4	57	30	D	119	1652	29	4	1787	0	0	0	2,419	4323156	14
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	61	25	C	136	881	15	1	1518	0	0	0	1,533	2328328	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,221	100%	9	1	59	23	C	144	451	8	1	1611	0	0	0	739	1190160	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,467	100%	74	5	60	28	D	218	4307	71	5	1734	0	0	0	6,567	11383895	35
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	68	3	62	25	C	68	3600	58	2	1532	0	0	0	6,193	9487676	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	62	22	C	85	804	13	1	1362	0	0	0	1,558	2121217	7
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,931	99%	12	1	59	22	C	98	600	10	1	1466	0	0	0	1,082	1585671	4
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,289	100%	24	3	57	27	D	122	1276	22	3	1644	0	0	0	2,060	3387327	10
Chester Ave Off Ramp to H St On Ramp	2,832	2,832	100%	40	2	61	23	C	162	1931	32	2	1425	0	0	0	3,579	5098286	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,291	100%	28	3	57	27	D	190	1474	26	3	1652	0	0	0	2,350	3881025	12
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,199	100%	27	1	57	20	C	217	934	16	1	1100	0	0	0	2,163	2378219	8

CENTENNIAL CORSIM ANALYSIS RESULTS
EXISTING PM CALIBRATION
Scenario Name and Description: TruckLns_Off (VEH normal distribution, CFS -30%, PCFC -30%)

Freeway Ramps	Demand Volume	CORSIM Served Volume	Percentage Served in CORSIM Model	Speed (MPH)
	(vph)	(vph)	%	
SR-99 NB Off Ramps				
White Ln	338	338	100%	63
Ming Ave	403	403	100%	54
SR58 EB/Wilbe Rd	1,437	1,387	97%	50
California Ave	678	678	100%	52
Rosedale Hwy	1,760	1,747	99%	51
Buck Owens Blvd/Sillect Ave	304	291	96%	53
Airport Dr	1,211	1,211	100%	52
SR-99 NB On Ramps				
White Ln Loop	1,155	1,094	95%	43
White Ln Direct	457	457	100%	52
Ming Ave	1,215	1,215	100%	51
Wible Rd	561	561	100%	50
SR58 WB	1,084	1,084	100%	46
California Ave Loop	629	585	93%	48
California Ave Direct	297	225	76%	50
Buck Owens Blvd/Sillect Ave	479	461	96%	33
SR-99 SB Off Ramps				
Rosedale Hwy	633	599	95%	53
California Ave	1,027	1,027	100%	45
SR58 EB/Stockdale Hwy	1,896	1,863	98%	49
Ming Ave	1,557	1,557	100%	51
White Ln	2,029	1,954	96%	31
SR-99 SB On Ramps				
Airport Dr	1,725	1,725	100%	44
Rosedale Hwy Loop	1,267	1,239	98%	49
Rosedale Hwy Direct	1,191	1,173	98%	40
California Ave	845	829	98%	51
SR58 WB	1,124	1,108	99%	51
Real Rd	281	253	90%	51
Ming Ave	458	458	100%	50
White Ln Loop	139	139	100%	52
White Ln Direct	139	82	59%	54
SR58 EB Off Ramps				
H St	416	391	94%	53
Union Ave	557	537	96%	53
SR58 EB On Ramps				
SR99 NB and SR99 SB	2,619	2,562	98%	52
Chester Ave	559	558	100%	49
Union Ave Loop	221	194	88%	53
Union Ave Direct	243	236	97%	52
SR58 WB Off Ramps				
Brundage Ln	350	325	93%	53
Chester Ave	464	437	94%	53
SR99 NB	1,084	1,084	100%	53
SR99 SB	1,124	1,107	98%	42
SR58 WB On Ramps				
Brundage Ln	249	211	85%	49
Union Ave	344	344	100%	50
H St	459	455	99%	50

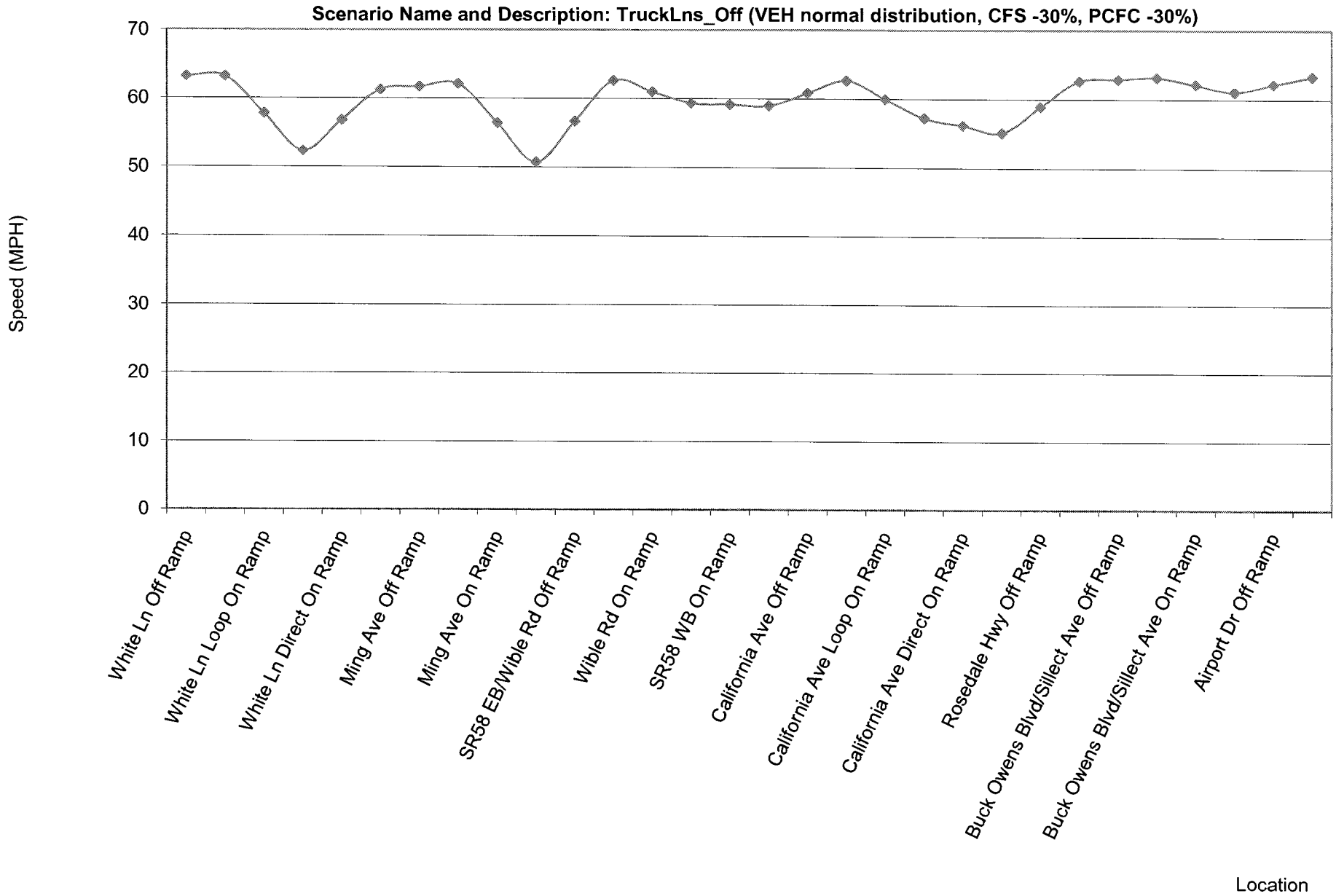
CENTENNIAL CORSIM ANALYSIS RESULTS
EXISTING PM CALIBRATION
Merging/Diverging & Weaving Analysis
Scenario Name and Description: TruckLns_Off (VEH normal distribution, CFS -30%, PCFC -30%)

Location	Analysis Type	Demand Volumes (vph)	CORSIM Served Volumes (vph)	Percentage Served in CORSIM Model %	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)
SR-99 NB							
White Ln Loop On Ramp	Merging	3,265	3,185	98%	52	17	B
White Ln Direct On Ramp	Merging	3,722	3,669	99%	60	19	B
Ming Ave On Ramp	Merging	4,534	4,468	99%	51	19	B
Wible Rd On Ramp	Merging	3,658	3,658	100%	59	14	B
SR58 WB On Ramp	Merging	4,742	4,742	100%	55	21	C
California Ave Loop On	Merging	4,693	4,691	100%	57	19	B
California Ave Direct On	Merging	4,990	4,915	98%	54	21	C
Buck Owens Blvd/Sillect Ave On Ramp	Merging	3,405	3,374	99%	61	13	B
White Ln Off Ramp	Diverging	2,448	2,447	100%	64	13	B
Ming Ave Off Ramp	Diverging	3,722	3,682	99%	62	15	B
SR58 EB/Wible Rd Off Ramp	Diverging	4,534	4,468	99%	51	19	B
California Ave Off Ramp	Diverging	4,742	4,742	100%	61	20	B
Rosedale Hwy Off Ramp	Diverging	4,990	4,912	98%	58	21	C
Buck Owens Blvd/Sillect Ave Off Ramp	Diverging	3,230	3,170	98%	63	13	B
Airport Dr Off Ramp	Diverging	3,405	3,363	99%	61	14	B
SR-99 SB							
Airport Dr On Ramp	Merging	4,875	4,875	100%	56	22	C
Rosedale Hwy Loop On Ramp	Merging	5,509	5,509	100%	56	22	C
Rosedale Hwy Direct On Ramp	Merging	6,700	6,684	100%	52	31	D
California Ave On Ramp	Merging	6,518	6,490	100%	57	27	C
SR58 WB On Ramp	Merging	5,746	5,716	99%	56	21	C
Real Rd On Ramp	Merging	6,027	5,973	99%	58	23	C
Ming Ave On Ramp	Merging	4,928	4,879	99%	59	20	B
White Ln Loop On Ramp	Merging	3,038	3,018	99%	62	15	B
White Ln Direct On Ramp	Merging	3,176	3,094	97%	63	15	B
Rosedale Hwy Off Ramp	Diverging	4,875	4,875	100%	60	21	C
California Ave Off Ramp	Diverging	6,700	6,687	100%	51	33	D
SR58 EB/Stockdale Hwy Off Ramp	Diverging	6,518	6,482	99%	53	31	D
Ming Ave Off Ramp	Diverging	6,027	5,971	99%	57	26	C
White Ln Off Ramp	Diverging	4,928	4,878	99%	59	22	C
SR-58 EB							
SR99 NB & SB On Ramp	Merging	3,419	3,419	100%	59	20	B
Chester Ave On Ramp	Merging	3,562	3,562	100%	57	29	D
Union Ave Loop On Ramp	Merging	3,226	3,221	100%	59	23	C
Union Ave Direct On Ramp	Merging	3,469	3,459	100%	59	26	C
H St Off Ramp	Diverging	3,419	3,419	100%	59	20	B
Union Ave Off Ramp	Diverging	3,562	3,562	100%	58	31	D
SR-58 WB							
Brundage Ln On Ramp	Merging	2,952	2,931	99%	59	22	C
Union Ave On Ramp	Merging	3,296	3,290	100%	57	26	C
H St On Ramp	Merging	3,291	3,291	100%	56	27	C
Brundage Ln Off Ramp	Diverging	3,053	3,047	100%	61	25	C
Chester Ave Off Ramp	Diverging	3,296	3,290	100%	58	28	D
SR99 NB Off Ramp	Diverging	3,291	3,291	100%	58	28	D
SR99 SB Off Ramp	Diverging	2,207	2,197	100%	52	21	C

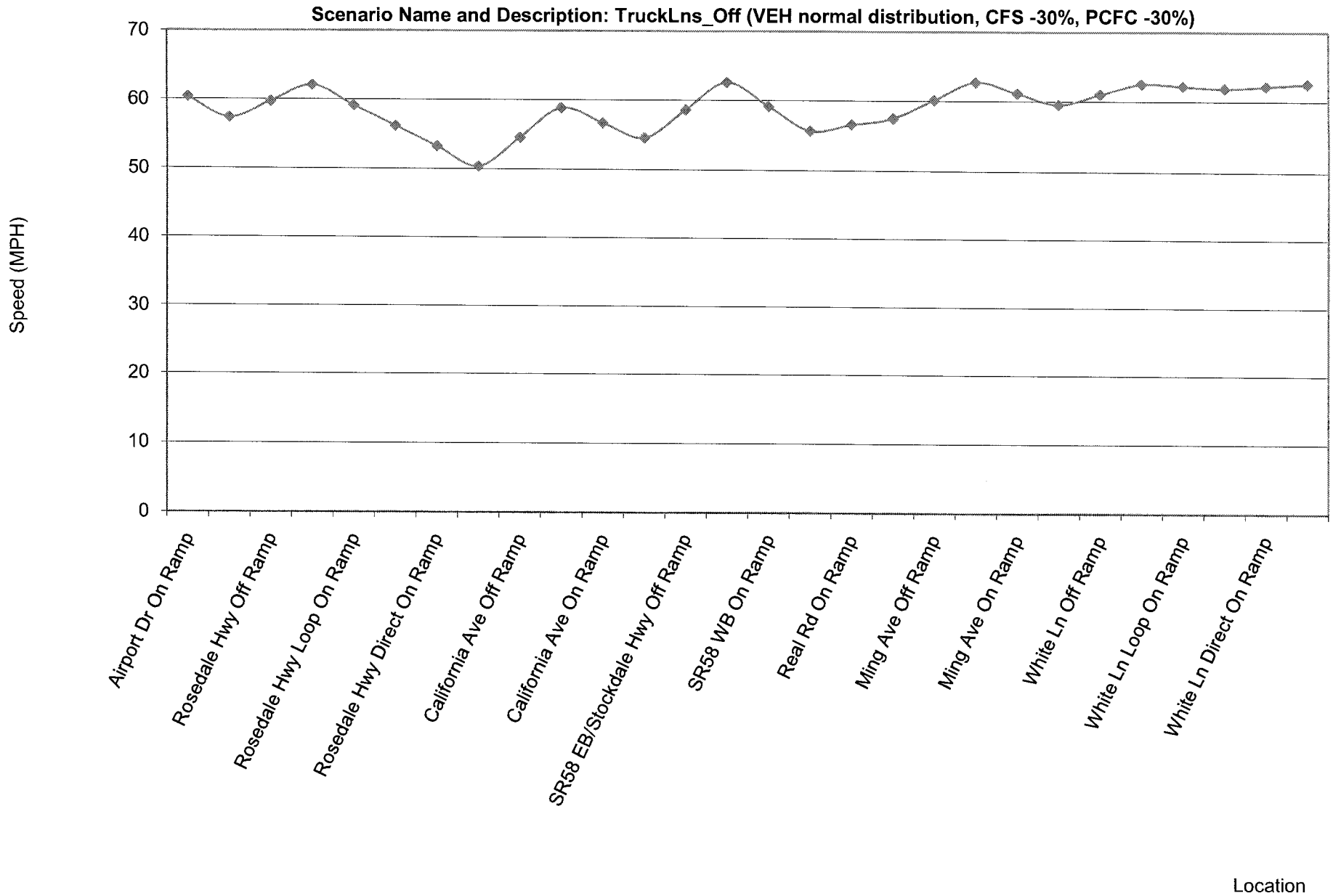
CENTENNIAL CORSIM ANALYSIS RESULTS
EXISTING PM CALIBRATION
Merging/Diverging & Weaving Analysis (Lane 1 & Lane 2)
Scenario Name and Description: TruckLns_Off (VEH normal distribution, CFS -30%, PCFC -30%)

Location	Analysis Type	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)
SR-99 NB				
White Ln Loop On Ramp	Merging	50	24	C
White Ln Direct On Ramp	Merging	59	24	C
Ming Ave On Ramp	Merging	48	37	E
Wible Rd On Ramp	Merging	57	22	C
SR58 WB On Ramp	Merging	52	33	D
California Ave Loop On	Merging	54	31	D
California Ave Direct On	Merging	51	37	E
Buck Owens Blvd/Sillect Ave On Ramp	Merging	59	21	C
White Ln Off Ramp	Diverging	64	13	B
Ming Ave Off Ramp	Diverging	61	22	C
SR58 EB/Wible Rd Off Ramp	Diverging	48	37	E
California Ave Off Ramp	Diverging	59	28	D
Rosedale Hwy Off Ramp	Diverging	55	34	D
Buck Owens Blvd/Sillect Ave Off Ramp	Diverging	61	16	B
Airport Dr Off Ramp	Diverging	60	22	C
SR-99 SB				
Airport Dr On Ramp	Merging	54	35	D
Rosedale Hwy Loop On Ramp	Merging	54	37	E
Rosedale Hwy Direct On Ramp	Merging	51	46	E
California Ave On Ramp	Merging	54	39	E
SR58 WB On Ramp	Merging	51	33	D
Real Rd On Ramp	Merging	55	35	E
Ming Ave On Ramp	Merging	58	26	C
White Ln Loop On Ramp	Merging	61	16	B
White Ln Direct On Ramp	Merging	62	16	B
Rosedale Hwy Off Ramp	Diverging	59	31	D
California Ave Off Ramp	Diverging	50	47	E
SR58 EB/Stockdale Hwy Off Ramp	Diverging	49	46	E
Ming Ave Off Ramp	Diverging	55	38	E
White Ln Off Ramp	Diverging	58	33	D
SR-58 EB				
SR99 NB & SB On Ramp	Merging	57	30	D
Chester Ave On Ramp	Merging	57	32	D
Union Ave Loop On Ramp	Merging	59	27	C
Union Ave Direct On Ramp	Merging	59	29	D
H St Off Ramp	Diverging	60	26	C
Union Ave Off Ramp	Diverging	58	31	D
SR-58 WB				
Brundage Ln On Ramp	Merging	59	25	C
Union Ave On Ramp	Merging	57	29	D
H St On Ramp	Merging	56	29	D
Brundage Ln Off Ramp	Diverging	61	25	C
Chester Ave Off Ramp	Diverging	58	28	D
SR99 NB Off Ramp	Diverging	58	28	D
SR99 SB Off Ramp	Diverging	52	21	C

CENTENNIAL EXISTING CALIBRATION
CORSIM Simulated Travel Speed - Highway 99 NB PM Peak

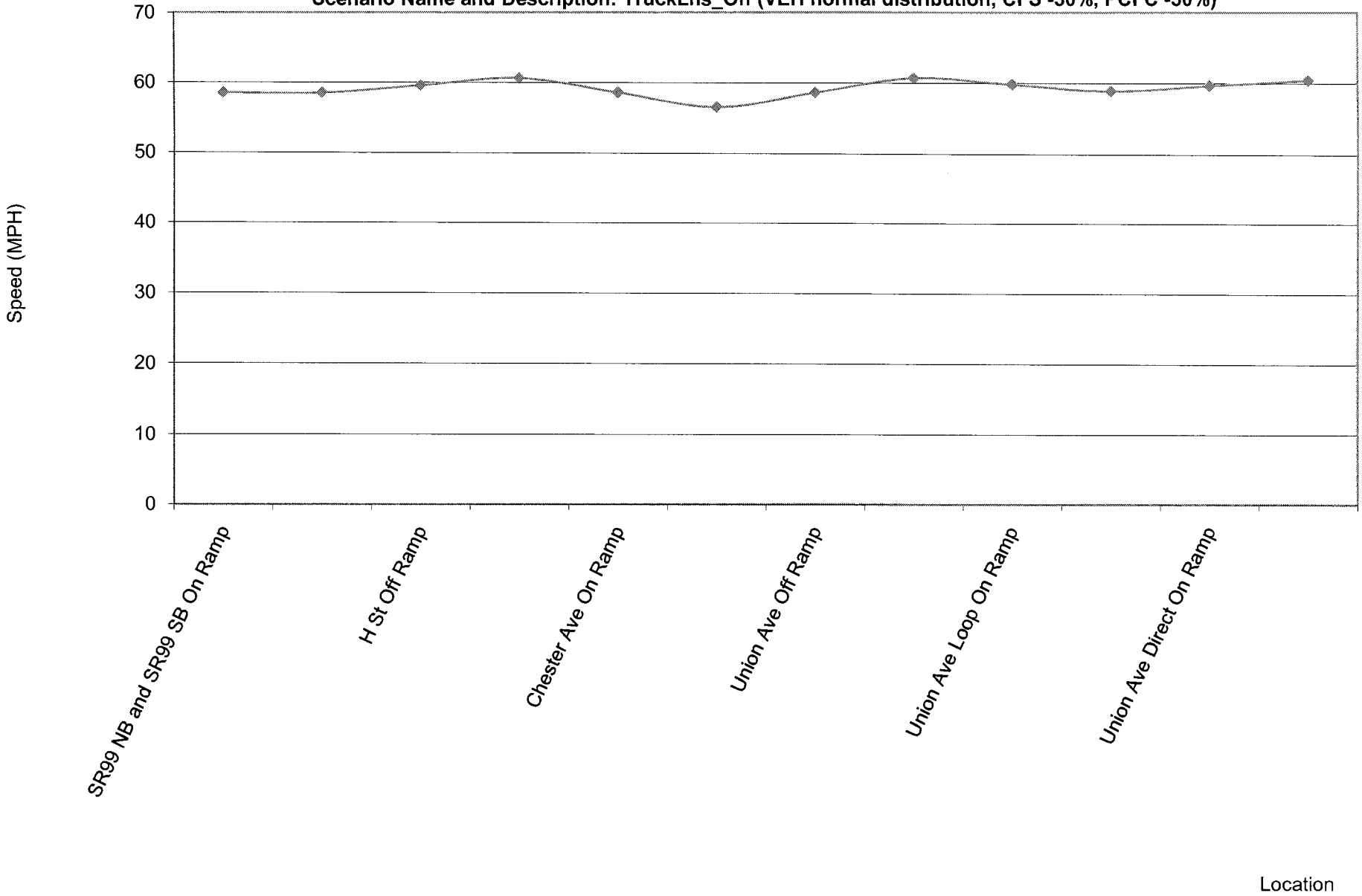


CENTENNIAL EXISTING CALIBRATION
CORSIM Simulated Travel Speed - Highway 99 SB PM Peak



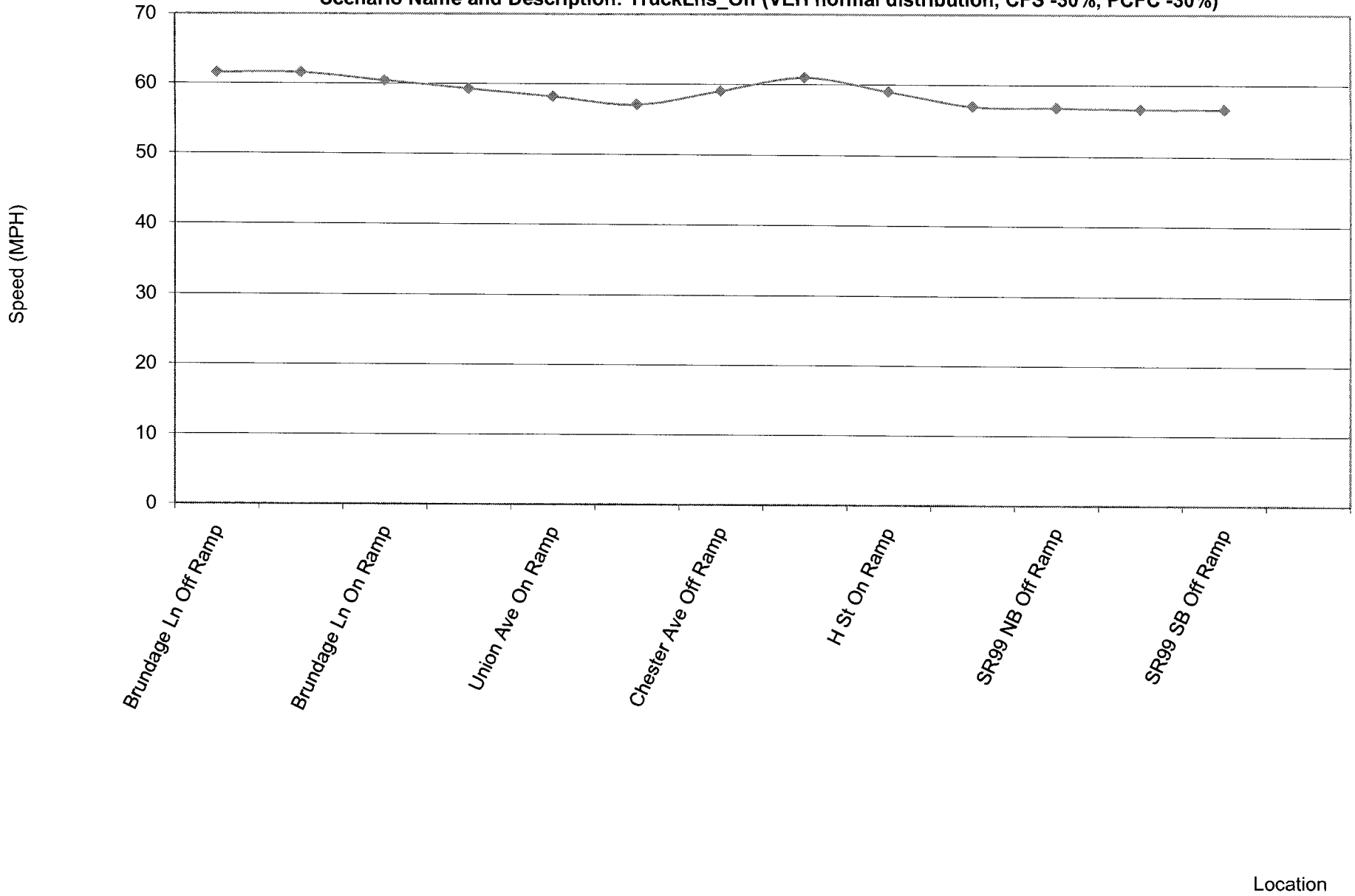
CENTENNIAL EXISTING CALIBRATION
CORSIM Simulated Travel Speed - SR-58 EB PM Peak

Scenario Name and Description: TruckLns_Off (VEH normal distribution, CFS -30%, PCFC -30%)



CENTENNIAL EXISTING CALIBRATION
CORSIM Simulated Travel Speed - SR-58 WB PM Peak

Scenario Name and Description: TruckLns_Off (VEH normal distribution, CFS -30%, PCFC -30%)



CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING AM CALIBRATION

Scenario Name and Description: TrunkLns_Off_On (VEH normal distribution, CFS-30%, PCFC-30%)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	3,555	3,555	100%	50	1	63	19	C	50	3136	50	1	1190	0	0	0	4,648	5531895	17
White Ln Off Ramp to White Ln Loop On Ramp	3,353	3,342	100%	19	1	62	18	B	69	1119	18	1	1114	0	0	0	1,768	1969552	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,924	4,924	100%	10	3	40	35	E	79	521	13	5	1651	1	13	0	555	916400	4
White Ln Direct On Ramp to Ming Ave Off Ramp	5,608	5,608	100%	77	7	59	29	D	156	7105	120	10	1602	0	0	0	6,695	10726346	37
Ming Ave Off Ramp to Ming Ave On Ramp	5,311	5,311	100%	27	3	58	23	C	183	2357	40	5	1329	0	0	0	2,291	3045312	10
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,576	6,576	100%	17	7	37	40	E	200	1164	31	13	1660	1	29	2	926	1536929	7
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,808	4,690	98%	32	1	62	19	C	232	2567	41	2	1173	0	0	0	2,890	3388525	10
Wible Rd On Ramp to SR58 WB On Ramp	5,298	5,168	98%	10	1	60	20	C	242	826	14	1	1292	0	0	0	844	1090448	3
SR58 WB On Ramp to California Ave Off Ramp	6,368	6,265	98%	35	3	59	28	C	277	3595	61	6	1566	0	0	0	3,000	4699000	15
California Ave Off Ramp to California Ave Loop On Ramp	5,255	5,196	99%	16	1	62	21	C	293	1467	24	1	1299	0	0	0	1,491	1936809	6
California Ave Loop On Ramp to California Ave Direct On Ramp	5,711	5,645	99%	9	1	58	22	C	302	840	14	2	1411	0	0	0	785	1107831	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	5,930	5,817	98%	25	4	55	25	C	327	2199	40	6	1454	0	0	0	2,014	2928860	10
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,209	4,138	98%	16	1	61	17	B	343	1122	18	1	1035	0	0	0	1,432	1481404	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,387	3,315	98%	33	1	63	13	B	376	1918	30	1	829	0	0	0	3,055	2531831	8
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,693	3,622	98%	34	2	61	15	B	410	2058	34	2	906	0	0	0	3,000	2716500	8
Airport Dr Off Ramp to SR99 NB north end of the network	2,185	2,121	97%	40	1	64	10	A	450	1496	24	1	696	0	0	0	3,726	2257424	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	2,953	2,953	100%	48	1	64	15	B	48	2534	40	1	848	0	0	0	4,408	3816232	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,062	4,062	100%	33	3	59	17	B	81	2197	37	4	1024	0	0	0	2,800	2867900	9
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,477	3,477	100%	25	1	63	14	B	105	1525	24	1	887	0	0	0	2,271	2013242	6
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,175	4,175	100%	14	1	60	16	B	119	966	16	1	1063	0	0	0	1,200	1275600	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,092	5,092	100%	33	4	58	22	C	152	2748	48	5	1289	0	0	0	2,800	3609900	11
California Ave Off Ramp to California Ave On Ramp	4,015	4,015	100%	13	1	63	16	B	166	952	15	1	1023	0	0	0	1,229	1256960	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	4,352	4,352	100%	28	3	59	18	C	194	2034	35	3	1100	0	0	0	2,433	2675489	8
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	2,885	2,884	100%	40	1	63	11	B	234	2029	32	1	721	0	0	0	3,714	2677794	8
SR58 WB On Ramp to Real Rd On Ramp	3,823	3,823	100%	5	1	53	15	B	239	277	5	1	958	0	0	0	381	365093	1
Real Rd On Ramp to Ming Ave Off Ramp	4,078	4,062	100%	23	2	59	16	B	262	1536	26	2	1016	0	0	0	2,004	2035062	6
Ming Ave Off Ramp to Ming Ave On Ramp	3,267	3,236	99%	34	1	63	13	B	296	1954	31	1	809	0	0	0	3,189	2579901	8
Ming Ave On Ramp to White Ln Off Ramp	3,512	3,484	99%	60	3	62	17	B	356	3572	58	3	995	0	0	0	5,403	5377529	17
White Ln Off Ramp to White Ln Loop On Ramp	2,165	2,150	99%	19	1	63	11	B	376	721	11	0	717	0	0	0	1,770	1268500	4
White Ln Loop On Ramp to White Ln Direct On Ramp	2,276	2,265	100%	10	0	62	11	A	385	383	6	0	755	0	0	0	894	674970	2
White Ln Direct On Ramp to SR99 SB south end of the network	2,415	2,319	98%	52	2	63	12	B	437	2097	33	1	773	0	0	0	4,777	3691825	11
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	946	946	100%	42	3	56	9	A	42	670	12	1	678	0	0	0	3,523	2387420	6
SR99 On Ramp to H St Off Ramp	3,553	3,553	100%	10	1	58	22	C	53	629	11	1	1269	0	0	0	870	1104320	4
H St Off Ramp to Chester Ave On Ramp	3,143	3,143	100%	37	3	60	23	C	90	2095	35	3	1355	0	0	0	3,265	4422769	14
Chester Ave On Ramp to Union Ave Off Ramp	3,618	3,618	100%	29	4	56	33	D	119	1788	32	4	1938	0	0	0	2,419	4687619	15
Union Ave Off Ramp to Union Ave Loop On Ramp	2,797	2,797	100%	17	1	62	24	C	136	874	14	1	1506	0	0	0	1,533	2307932	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	2,971	2,971	100%	8	1	60	22	C	144	444	7	1	1586	0	0	0	739	1172054	3
Union Ave Direct On Ramp to SR58 east end of the network	3,170	3,170	100%	74	5	60	27	D	218	4178	69	5	1681	0	0	0	6,567	11039948	34
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,168	3,168	100%	68	3	62	26	C	68	3743	60	3	1593	0	0	0	6,193	9862353	30
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,659	2,651	100%	17	1	61	22	C	86	782	13	1	1326	0	0	0	1,558	2065129	6
Brundage Ln On Ramp to Union Ave On Ramp	2,855	2,832	99%	12	1	60	21	C	98	580	10	1	1416	0	0	0	1,082	1532112	4
Union Ave On Ramp to Chester Ave Off Ramp	3,096	3,079	99%	24	2	58	24	C	122	1197	20	2	1540	0	0	0	2,060	3171370	10
Chester Ave Off Ramp to H St On Ramp	2,622	2,622	100%	40	2	61	22	C	162	1797	29	2	1328	0	0	0	3,579	4744859	15
H St On Ramp to SR99 NB Off Ramp	2,955	2,955	100%	28	3	58	24	C	189	1330	23	2	1492	0	0	0	2,350	3506200	11
SR99 NB Off Ramp to SR99 SB Off Ramp	1,867	1,867	100%	27	1	57	17	B	216	802	14	1	945	0	0	0	2,163	2042954	7

CENTENNIAL CORSIM ANALYSIS RESULTS
EXISTING AM CALIBRATION
Scenario Name and Description: TrunkLns_Off_On (VEH normal distribution, CFS-30%, PCFC-30%)

Freeway Ramps	Demand Volume	CORSIM Served Volume	Percentage Served in CORSIM Model	Speed (MPH)
	(vph)	(vph)	%	
SR-99 NB Off Ramps				
White Ln	202	202	100%	62
Ming Ave	297	284	96%	54
SR58 EB/Wilbe Rd	1,768	1,768	100%	46
California Ave	1,131	1,075	95%	52
Rosedale Hwy	1,730	1,679	97%	50
Buck Owens Blvd/Sillect Ave	822	822	100%	53
Airport Dr	1,508	1,501	100%	52
SR-99 NB On Ramps				
White Ln Loop	1,571	1,571	100%	38
White Ln Direct	684	645	94%	52
Ming Ave	1,265	1,265	100%	49
Wible Rd	490	475	97%	49
SR58 WB	1,088	1,088	100%	46
California Ave Loop	456	456	100%	48
California Ave Direct	228	166	73%	51
Buck Owens Blvd/Sillect Ave	306	306	100%	35
SR-99 SB Off Ramps				
Rosedale Hwy	585	555	95%	54
California Ave	1,077	1,071	99%	52
SR58 EB/Stockdale Hwy	1,467	1,467	100%	50
Ming Ave	811	808	100%	53
White Ln	1,347	1,331	99%	54
SR-99 SB On Ramps				
Airport Dr	1,109	1,109	100%	47
Rosedale Hwy Loop	698	698	100%	49
Rosedale Hwy Direct	917	912	99%	41
California Ave	337	298	88%	51
SR58 WB	938	938	100%	51
Real Rd	255	226	89%	51
Ming Ave	245	245	100%	52
White Ln Loop	111	111	100%	53
White Ln Direct	139	63	45%	53
SR58 EB Off Ramps				
H St	410	410	100%	53
Union Ave	821	821	100%	53
SR58 EB On Ramps				
SR99 NB and SR99 SB	2,607	2,607	100%	51
Chester Ave	475	475	100%	48
Union Ave Loop	174	157	90%	52
Union Ave Direct	199	199	100%	52
SR58 WB Off Ramps				
Brundage Ln	509	509	100%	52
Chester Ave	474	426	90%	53
SR99 NB	1,088	1,088	100%	53
SR99 SB	938	938	100%	43
SR58 WB On Ramps				
Brundage Ln	196	187	95%	49
Union Ave	241	241	100%	50
H St	333	333	100%	51

CENTENNIAL CORSIM ANALYSIS RESULTS
EXISTING AM CALIBRATION
Merging/Diverging & Weaving Analysis
Scenario Name and Description: TrunkLns_Off_On (VEH normal distribution, CFS-30%, PCFC-30%)

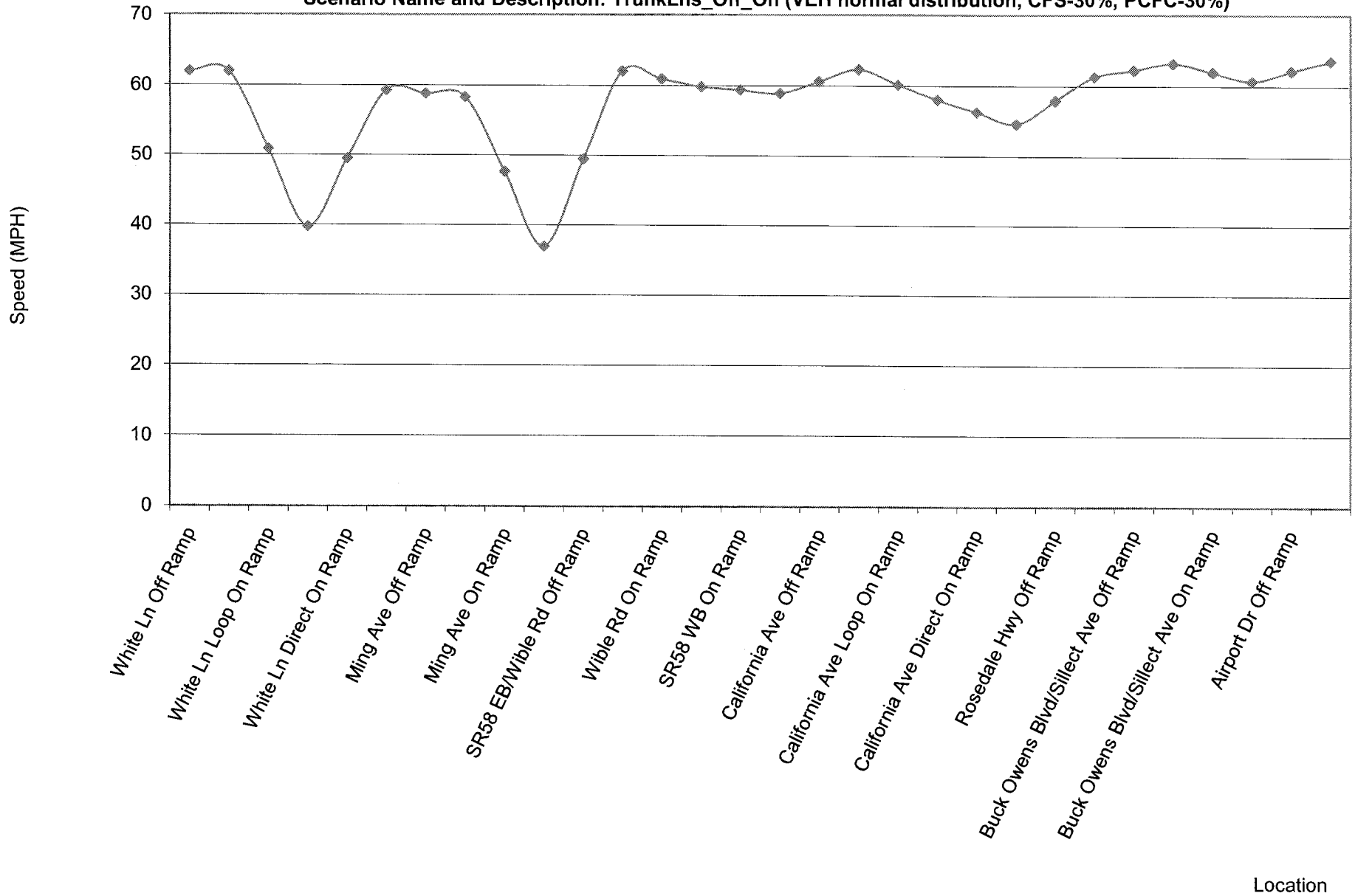
Location	Analysis Type	Demand Volumes (vph)	CORSIM Served Volumes (vph)	Percentage Served in CORSIM Model %	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)
SR-99 NB							
White Ln Loop On Ramp	Merging	4,924	4,924	100%	40	35	E
White Ln Direct On Ramp	Merging	5,608	5,608	100%	55	32	D
Ming Ave On Ramp	Merging	6,576	6,576	100%	37	40	E
Wible Rd On Ramp	Merging	5,298	5,168	98%	60	20	B
SR58 WB On Ramp	Merging	6,386	6,261	98%	57	25	C
California Ave Loop On	Merging	5,711	5,645	99%	58	22	C
California Ave Direct On	Merging	5,939	5,815	98%	55	25	C
Buck Owens Blvd/Sillect Ave On Ramp	Merging	3,693	3,623	98%	61	14	B
White Ln Off Ramp	Diverging	3,555	3,555	100%	63	19	B
Ming Ave Off Ramp	Diverging	5,608	5,598	100%	61	23	C
SR58 EB/Wible Rd Off Ramp	Diverging	6,576	6,576	100%	37	40	E
California Ave Off Ramp	Diverging	6,386	6,268	98%	60	26	C
Rosedale Hwy Off Ramp	Diverging	5,939	5,819	98%	55	26	C
Buck Owens Blvd/Sillect Ave Off Ramp	Diverging	4,209	4,138	98%	61	17	B
Airport Dr Off Ramp	Diverging	3,693	3,621	98%	61	15	B
SR-99 SB							
Airport Dr On Ramp	Merging	4,062	4,062	100%	58	17	B
Rosedale Hwy Loop On Ramp	Merging	4,175	4,175	100%	60	16	B
Rosedale Hwy Direct On Ramp	Merging	5,092	5,092	100%	57	22	C
California Ave On Ramp	Merging	4,352	4,352	100%	59	18	B
SR58 WB On Ramp	Merging	3,823	3,823	100%	53	15	B
Real Rd On Ramp	Merging	4,078	4,064	100%	58	16	B
Ming Ave On Ramp	Merging	3,512	3,481	99%	61	14	B
White Ln Loop On Ramp	Merging	2,276	2,265	100%	62	11	B
White Ln Direct On Ramp	Merging	2,415	2,321	96%	63	12	B
Rosedale Hwy Off Ramp	Diverging	4,062	4,062	100%	61	17	B
California Ave Off Ramp	Diverging	5,092	5,092	100%	59	22	C
SR58 EB/Stockdale Hwy Off Ramp	Diverging	4,352	4,352	100%	59	19	B
Ming Ave Off Ramp	Diverging	4,078	4,061	100%	60	17	B
White Ln Off Ramp	Diverging	3,512	3,486	99%	61	15	B
SR-58 EB							
SR99 NB & SB On Ramp	Merging	3,553	3,553	100%	58	22	C
Chester Ave On Ramp	Merging	3,618	3,618	100%	55	33	D
Union Ave Loop On Ramp	Merging	2,971	2,971	100%	60	22	C
Union Ave Direct On Ramp	Merging	3,170	3,170	100%	60	26	C
H St Off Ramp	Diverging	3,553	3,553	100%	58	22	C
Union Ave Off Ramp	Diverging	3,618	3,618	100%	58	33	D
SR-58 WB							
Brundage Ln On Ramp	Merging	2,855	2,832	99%	60	21	C
Union Ave On Ramp	Merging	3,096	3,081	99%	58	24	C
H St On Ramp	Merging	2,955	2,955	100%	58	24	C
Brundage Ln Off Ramp	Diverging	3,168	3,168	100%	60	27	C
Chester Ave Off Ramp	Diverging	3,096	3,078	99%	59	26	C
SR99 NB Off Ramp	Diverging	2,955	2,955	100%	59	25	C
SR99 SB Off Ramp	Diverging	1,867	1,867	100%	53	18	B

CENTENNIAL CORSIM ANALYSIS RESULTS
EXISTING AM CALIBRATION
Merging/Diverging & Weaving Analysis (Lane 1 & Lane 2)
Scenario Name and Description: TrunkLns_Off_On (VEH normal distribution, CFS-30%, PCFC-30%)

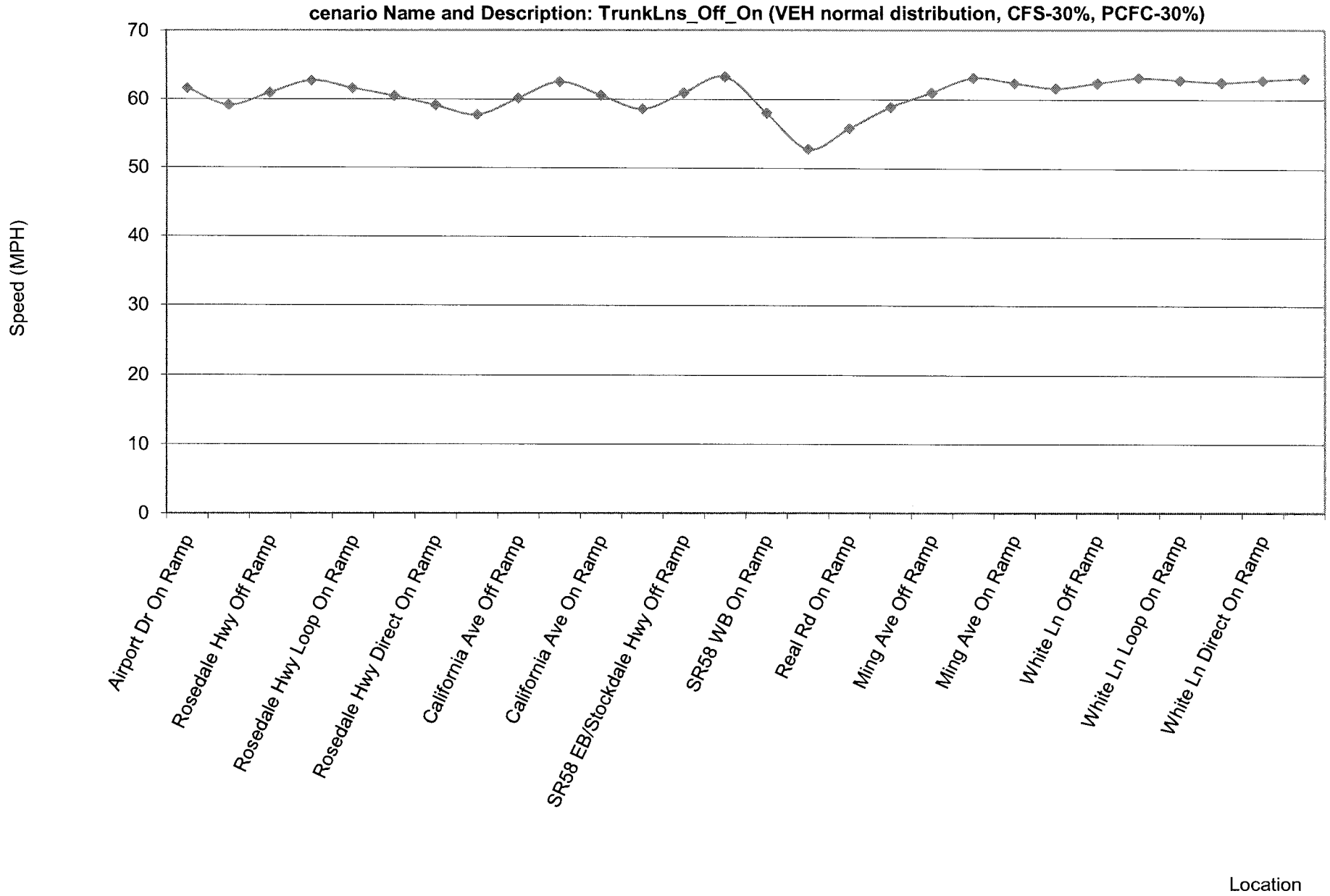
Location	Analysis Type	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)
SR-99 NB				
White Ln Loop On Ramp	Merging	36	52	E
White Ln Direct On Ramp	Merging	53	39	E
Ming Ave On Ramp	Merging	32	74	E
Wible Rd On Ramp	Merging	57	25	C
SR58 WB On Ramp	Merging	54	37	E
California Ave Loop On	Merging	55	33	D
California Ave Direct On	Merging	52	39	E
Buck Owens Blvd/Sillect Ave On Ramp	Merging	59	21	C
White Ln Off Ramp	Diverging	63	19	B
Ming Ave Off Ramp	Diverging	60	32	D
SR58 EB/Wible Rd Off Ramp	Diverging	32	74	E
California Ave Off Ramp	Diverging	58	35	D
Rosedale Hwy Off Ramp	Diverging	52	40	E
Buck Owens Blvd/Sillect Ave Off Ramp	Diverging	59	21	C
Airport Dr Off Ramp	Diverging	59	23	C
SR-99 SB				
Airport Dr On Ramp	Merging	57	27	C
Rosedale Hwy Loop On Ramp	Merging	59	25	C
Rosedale Hwy Direct On Ramp	Merging	55	36	E
California Ave On Ramp	Merging	57	30	D
SR58 WB On Ramp	Merging	49	28	D
Real Rd On Ramp	Merging	56	26	C
Ming Ave On Ramp	Merging	60	18	B
White Ln Loop On Ramp	Merging	62	12	B
White Ln Direct On Ramp	Merging	62	13	B
Rosedale Hwy Off Ramp	Diverging	60	25	C
California Ave Off Ramp	Diverging	58	33	D
SR58 EB/Stockdale Hwy Off Ramp	Diverging	58	29	D
Ming Ave Off Ramp	Diverging	58	25	C
White Ln Off Ramp	Diverging	61	23	C
SR-58 EB				
SR99 NB & SB On Ramp	Merging	57	34	D
Chester Ave On Ramp	Merging	55	35	E
Union Ave Loop On Ramp	Merging	60	26	C
Union Ave Direct On Ramp	Merging	60	28	D
H St Off Ramp	Diverging	60	29	D
Union Ave Off Ramp	Diverging	58	33	D
SR-58 WB				
Brundage Ln On Ramp	Merging	60	24	C
Union Ave On Ramp	Merging	58	26	C
H St On Ramp	Merging	58	26	C
Brundage Ln Off Ramp	Diverging	60	27	C
Chester Ave Off Ramp	Diverging	59	26	C
SR99 NB Off Ramp	Diverging	59	25	C
SR99 SB Off Ramp	Diverging	53	18	B

CENTENNIAL EXISTING CALIBRATION
CORSIM Simulated Travel Speed - Highway 99 NB AM Peak

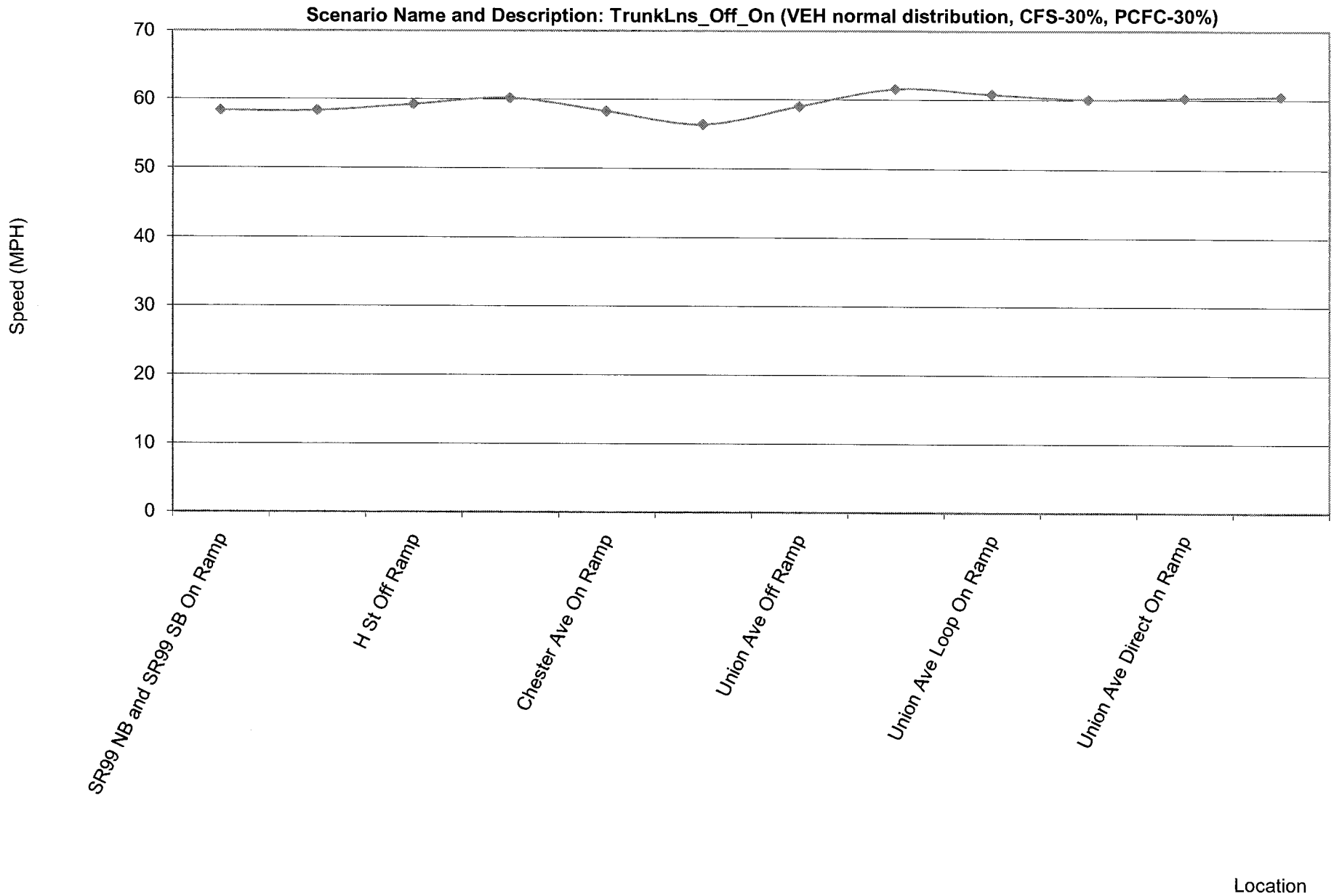
Scenario Name and Description: TrunkLns_Off_On (VEH normal distribution, CFS-30%, PCFC-30%)



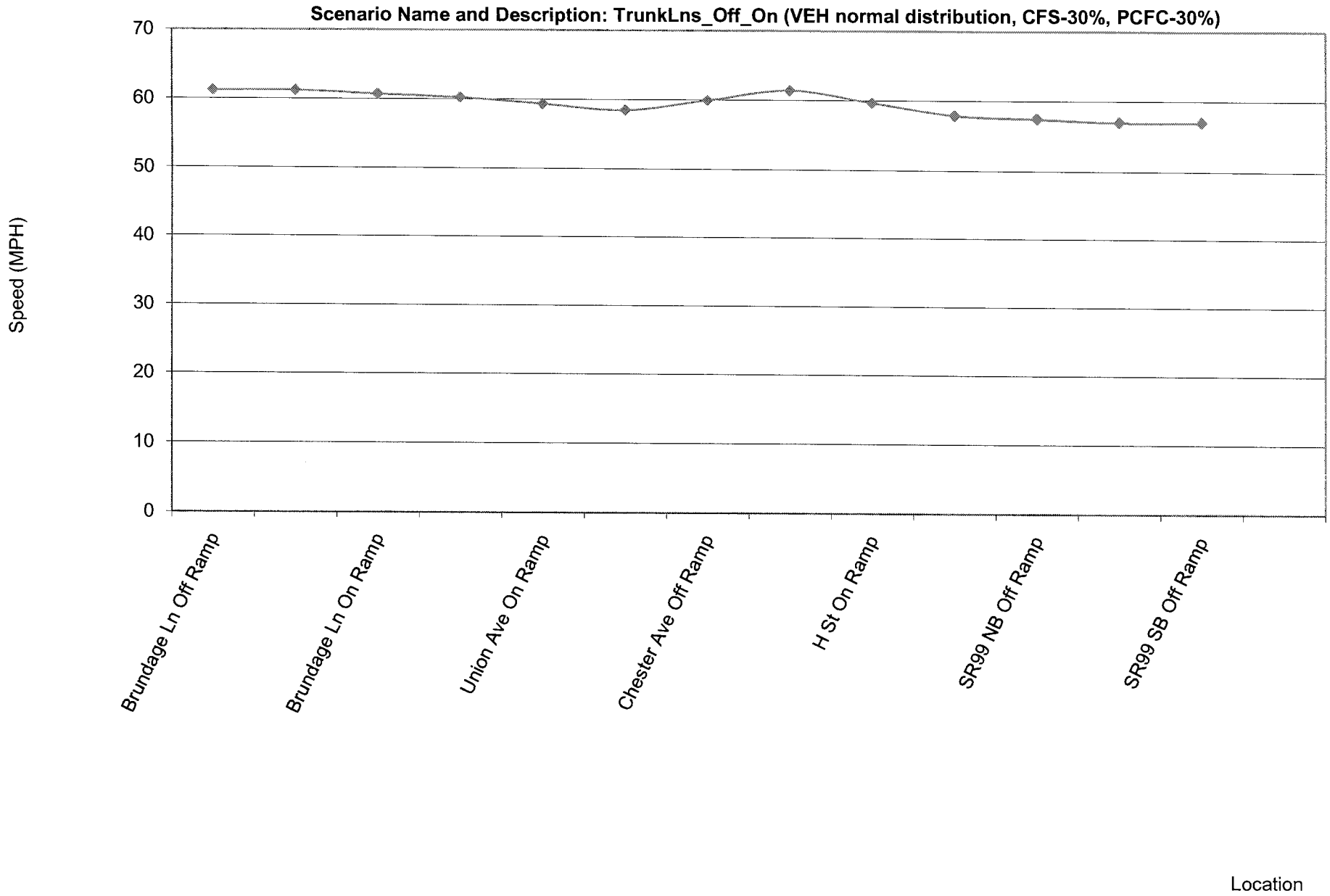
CENTENNIAL EXISTING CALIBRATION
CORSIM Simulated Travel Speed - Highway 99 SB AM PeakS



CENTENNIAL EXISTING CALIBRATION
CORSIM Simulated Travel Speed - SR-58 EB AM Peak



CENTENNIAL EXISTING CALIBRATION
CORSIM Simulated Travel Speed - SR-58 WB AM Peak



CENTENNIAL CORSIM ANALYSIS RESULTS

EXISTING PM CALIBRATION

Scenario Name and Description: TrunkLns_Off_On (VEH normal distribution, CFS-30%, PCFC-30%)

Freeway Segment	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	2,448	2,448	100%	49	1	64	13	B	49	2157	34	1	818	0	0	0	4,648	3802064	11
White Ln Off Ramp to White Ln Loop On Ramp	2,110	2,069	98%	19	1	63	11	A	68	693	11	0	690	0	0	0	1,768	1219331	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,265	3,165	97%	7	1	53	17	B	76	333	6	1	1055	0	0	0	555	585525	2
White Ln Direct On Ramp to Ming Ave Off Ramp	3,722	3,649	98%	74	4	61	18	C	150	4620	75	4	1043	0	0	0	6,695	6980494	23
Ming Ave Off Ramp to Ming Ave On Ramp	3,319	3,245	98%	25	1	62	13	B	175	1410	23	1	811	0	0	0	2,291	1858287	8
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	4,534	4,457	98%	12	3	51	19	C	187	781	15	3	1114	0	0	0	926	1031796	3
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	3,097	3,043	98%	31	1	63	12	B	219	1665	27	1	761	0	0	0	2,890	2198568	7
Wible Rd On Ramp to SR58 WB On Ramp	3,658	3,651	100%	10	1	59	14	B	229	584	10	1	913	0	0	0	844	770361	2
SR58 WB On Ramp to California Ave Off Ramp	4,742	4,742	100%	36	4	59	20	C	264	2749	47	5	1187	0	0	0	3,000	3560500	11
California Ave Off Ramp to California Ave Loop On Ramp	4,064	4,031	99%	16	1	62	16	B	280	1138	18	1	1008	0	0	0	1,491	1502555	5
California Ave Loop On Ramp to California Ave Direct On Ramp	4,693	4,610	95%	9	1	57	18	C	290	665	12	1	1153	0	0	0	785	904713	3
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	4,990	4,831	97%	24	3	56	21	C	314	1830	33	4	1208	0	0	0	2,014	2432241	8
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	3,230	3,055	95%	16	0	63	12	B	330	829	13	0	764	0	0	0	1,432	1093690	3
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	2,926	2,765	94%	33	1	63	11	A	363	1600	25	1	691	0	0	0	3,055	2111769	6
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	3,405	3,246	95%	34	2	61	13	B	397	1844	30	2	812	0	0	0	3,000	2434500	7
Airport Dr Off Ramp to SR99 NB north end of the network	2,194	2,102	96%	40	1	63	10	A	437	1483	23	1	600	0	0	0	3,726	2237197	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,150	3,150	100%	48	1	64	17	B	48	2703	42	1	904	0	0	0	4,498	4068120	14
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,875	4,875	100%	34	4	58	21	C	82	2050	46	6	1228	0	0	0	2,800	3438400	11
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,242	4,242	100%	25	1	62	17	B	107	1854	30	1	1078	0	0	0	2,271	2448138	7
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,509	5,509	100%	14	2	57	22	C	121	1256	22	3	1382	0	0	0	1,200	1657800	5
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	6,700	6,650	99%	37	8	52	31	D	159	3608	69	14	1663	0	0	0	2,800	4655000	16
California Ave Off Ramp to California Ave On Ramp	5,673	5,673	100%	14	1	59	24	C	173	1324	22	2	1422	0	0	0	1,229	1747638	6
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,518	6,512	100%	30	5	55	29	D	203	3013	55	9	1628	0	0	0	2,433	3960024	13
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,622	4,578	99%	40	1	63	18	C	244	3220	51	2	1145	0	0	0	3,714	4250673	13
SR58 WB On Ramp to Real Rd On Ramp	5,746	5,693	99%	5	1	56	21	C	248	411	7	1	1423	0	0	0	381	542258	1
Real Rd On Ramp to Ming Ave Off Ramp	6,027	5,946	99%	24	3	57	25	C	272	2257	40	5	1487	0	0	0	2,004	2979113	9
Ming Ave Off Ramp to Ming Ave On Ramp	4,470	4,353	97%	35	1	63	17	B	307	2628	42	1	1088	0	0	0	3,189	3470429	10
Ming Ave On Ramp to White Ln Off Ramp	4,928	4,819	98%	74	17	54	27	D	381	5276	98	22	1377	0	0	0	5,403	7439159	28
White Ln Off Ramp to White Ln Loop On Ramp	2,899	2,801	97%	20	1	62	15	B	400	939	15	1	934	0	0	0	1,770	1652590	5
White Ln Loop On Ramp to White Ln Direct On Ramp	3,038	2,940	97%	10	0	62	14	B	410	498	8	0	980	0	0	0	894	876120	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,176	3,006	95%	52	2	63	16	B	462	2716	43	2	1002	0	0	0	4,777	4786554	14
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	800	800	100%	43	3	56	8	A	43	561	10	1	588	0	0	0	3,523	2071524	5
SR99 On Ramp to H St Off Ramp	3,419	3,419	100%	10	1	58	20	C	53	575	10	1	1159	0	0	0	870	1008620	3
H St Off Ramp to Chester Ave On Ramp	3,003	3,003	100%	37	3	60	21	C	90	1913	32	2	1237	0	0	0	3,265	4037499	13
Chester Ave On Ramp to Union Ave Off Ramp	3,562	3,562	100%	29	4	57	30	D	119	1680	29	4	1820	0	0	0	2,419	4401774	14
Union Ave Off Ramp to Union Ave Loop On Ramp	3,005	3,005	100%	17	1	61	25	C	136	899	15	1	1548	0	0	0	1,533	2373084	7
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,226	3,226	100%	9	1	59	23	C	144	459	8	1	1639	0	0	0	739	1210852	3
Union Ave Direct On Ramp to SR58 east end of the network	3,469	3,469	100%	74	5	60	29	D	218	4382	73	5	1764	0	0	0	6,567	11580905	36
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp	3,053	3,053	100%	66	3	63	25	C	68	3601	58	2	1533	0	0	0	6,193	9490773	29
Brundage Ln Off Ramp to Brundage Ln On Ramp	2,703	2,703	100%	17	1	62	22	C	85	798	13	1	1353	0	0	0	1,558	2107195	6
Brundage Ln On Ramp to Union Ave On Ramp	2,952	2,914	99%	12	1	60	22	C	97	597	10	1	1457	0	0	0	1,082	1576474	4
Union Ave On Ramp to Chester Ave Off Ramp	3,296	3,272	99%	24	3	58	26	D	122	1268	22	2	1636	0	0	0	2,000	3370160	10
Chester Ave Off Ramp to H St On Ramp	2,832	2,825	100%	40	2	61	23	C	161	1915	31	2	1412	0	0	0	3,579	5054443	16
H St On Ramp to SR99 NB Off Ramp	3,291	3,277	100%	28	3	57	27	D	189	1464	25	3	1639	0	0	0	2,350	3850867	12
SR99 NB Off Ramp to SR99 SB Off Ramp	2,207	2,179	99%	27	1	57	19	C	216	926	16	1	1089	0	0	0	2,163	2356048	8

CENTENNIAL CORSIM ANALYSIS RESULTS
EXISTING PM CALIBRATION
Scenario Name and Description: TrunkLns_Off_On (VEH normal distribution, CFS-30%, PCFC-30%)

Freeway Ramps	Demand Volume	CORSIM Served Volume	Percentage Served in CORSIM Model	Speed (MPH)
	(vph)	(vph)	%	
SR-99 NB Off Ramps				
White Ln	338	338	100%	63
Ming Ave	403	391	97%	54
SR58 EB/Wilbe Rd	1,437	1,419	99%	50
California Ave	678	678	100%	52
Rosedale Hwy	1,760	1,760	100%	51
Buck Owens Blvd/Sillect Ave	304	304	100%	54
Airport Dr	1,211	1,134	94%	52
SR-99 NB On Ramps				
White Ln Loop	1,155	1,106	96%	44
White Ln Direct	457	457	100%	52
Ming Ave	1,215	1,215	100%	51
Wible Rd	561	561	100%	50
SR58 WB	1,084	1,084	100%	46
California Ave Loop	629	583	93%	48
California Ave Direct	297	221	74%	51
Buck Owens Blvd/Sillect Ave	479	467	97%	34
SR-99 SB Off Ramps				
Rosedale Hwy	633	593	94%	53
California Ave	1,027	1,015	99%	46
SR58 EB/Stockdale Hwy	1,896	1,896	100%	49
Ming Ave	1,557	1,557	100%	41
White Ln	2,029	1,985	98%	7
SR-99 SB On Ramps				
Airport Dr	1,725	1,725	100%	43
Rosedale Hwy Loop	1,267	1,226	97%	49
Rosedale Hwy Direct	1,191	1,172	98%	40
California Ave	845	825	98%	50
SR58 WB	1,124	1,122	100%	51
Real Rd	281	254	90%	51
Ming Ave	458	458	100%	50
White Ln Loop	139	139	100%	52
White Ln Direct	139	74	53%	54
SR58 EB Off Ramps				
H St	416	375	90%	53
Union Ave	557	549	99%	53
SR58 EB On Ramps				
SR99 NB and SR99 SB	2,619	2,601	99%	52
Chester Ave	559	552	99%	48
Union Ave Loop	221	194	88%	53
Union Ave Direct	243	236	97%	52
SR58 WB Off Ramps				
Brundage Ln	350	347	99%	53
Chester Ave	464	442	95%	53
SR99 NB	1,084	1,084	100%	53
SR99 SB	1,124	1,124	100%	42
SR58 WB On Ramps				
Brundage Ln	249	216	87%	48
Union Ave	344	344	100%	50
H St	459	453	99%	49

CENTENNIAL CORSIM ANALYSIS RESULTS
EXISTING PM CALIBRATION
Merging/Diverging & Weaving Analysis
Scenario Name and Description: TrunkLns_Off_On (VEH normal distribution, CFS-30%, PCFC-30%)

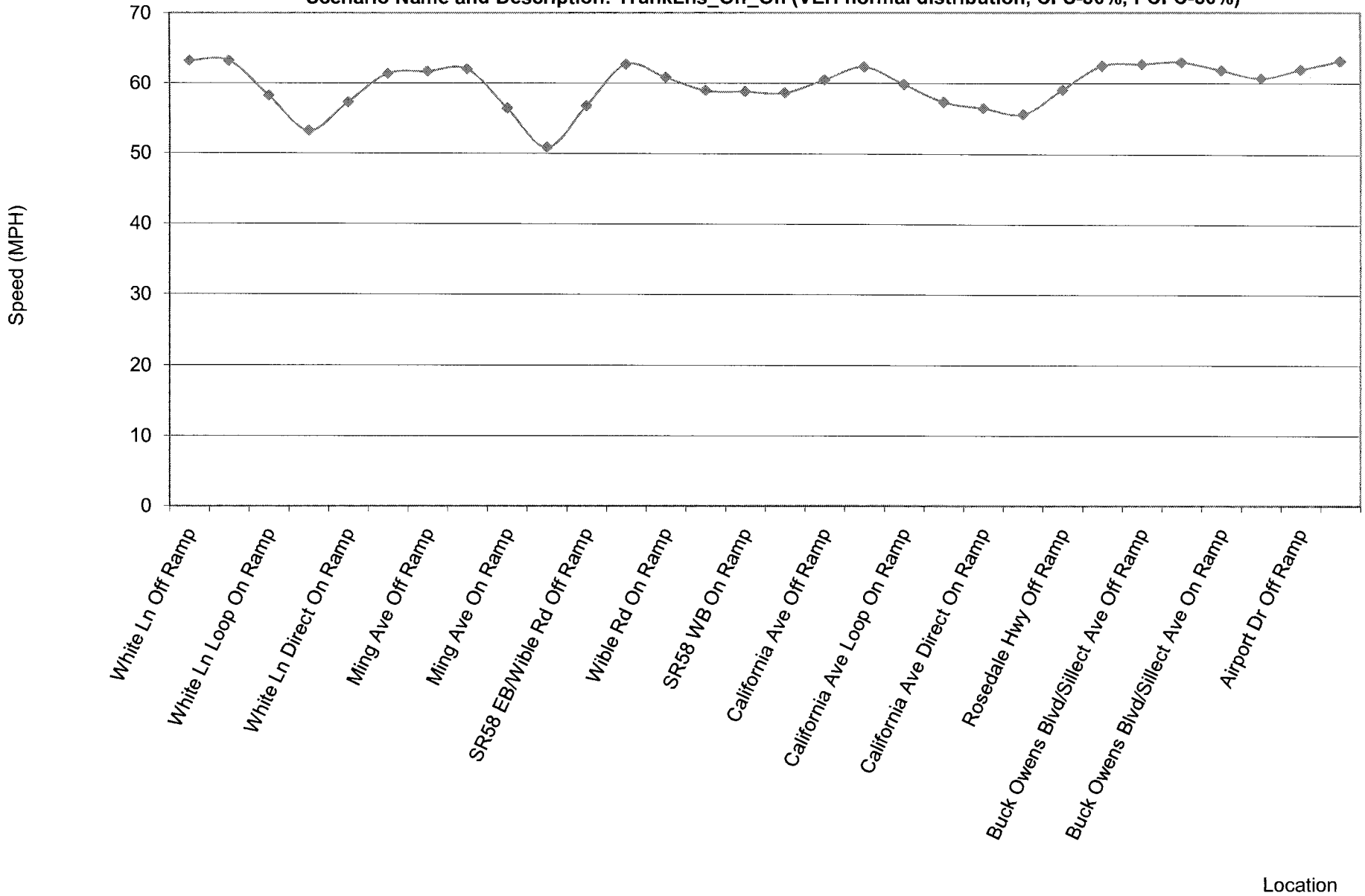
Location	Analysis Type	Demand Volumes (vph)	CORSIM Served Volumes (vph)	Percentage Served in CORSIM Model %	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)
SR-99 NB							
White Ln Loop On Ramp	Merging	3,265	3,165	97%	53	17	B
White Ln Direct On Ramp	Merging	3,722	3,639	98%	60	19	B
Ming Ave On Ramp	Merging	4,534	4,457	98%	51	19	B
Wible Rd On Ramp	Merging	3,658	3,651	100%	59	14	B
SR58 WB On Ramp	Merging	4,742	4,742	100%	55	21	C
California Ave Loop On	Merging	4,693	4,610	98%	57	18	B
California Ave Direct On	Merging	4,990	4,831	97%	55	21	C
Buck Owens Blvd/Sillect Ave On Ramp	Merging	3,405	3,247	95%	60	13	B
White Ln Off Ramp	Diverging	2,448	2,447	100%	64	13	B
Ming Ave Off Ramp	Diverging	3,722	3,648	98%	62	15	B
SR58 EB/Wible Rd Off Ramp	Diverging	4,534	4,457	98%	51	19	B
California Ave Off Ramp	Diverging	4,742	4,742	100%	61	20	B
Rosedale Hwy Off Ramp	Diverging	4,990	4,831	97%	57	21	C
Buck Owens Blvd/Sillect Ave Off Ramp	Diverging	3,230	3,055	95%	63	12	B
Airport Dr Off Ramp	Diverging	3,405	3,245	95%	61	13	B
SR-99 SB							
Airport Dr On Ramp	Merging	4,875	4,875	100%	56	21	C
Rosedale Hwy Loop On Ramp	Merging	5,509	5,509	100%	57	22	C
Rosedale Hwy Direct On Ramp	Merging	6,700	6,633	99%	53	30	D
California Ave On Ramp	Merging	6,518	6,512	100%	57	27	C
SR58 WB On Ramp	Merging	5,746	5,693	99%	56	21	C
Real Rd On Ramp	Merging	6,027	5,948	99%	58	23	C
Ming Ave On Ramp	Merging	4,928	4,825	98%	58	20	B
White Ln Loop On Ramp	Merging	3,038	2,940	97%	62	14	B
White Ln Direct On Ramp	Merging	3,176	3,007	95%	62	15	B
Rosedale Hwy Off Ramp	Diverging	4,875	4,875	100%	60	20	C
California Ave Off Ramp	Diverging	6,700	6,644	99%	53	31	D
SR58 EB/Stockdale Hwy Off Ramp	Diverging	6,518	6,513	100%	53	31	D
Ming Ave Off Ramp	Diverging	6,027	5,947	99%	56	27	C
White Ln Off Ramp	Diverging	4,928	4,807	98%	36	36	E
SR-58 EB							
SR99 NB & SB On Ramp	Merging	3,419	3,419	100%	58	20	B
Chester Ave On Ramp	Merging	3,562	3,562	100%	56	30	D
Union Ave Loop On Ramp	Merging	3,226	3,226	100%	59	23	C
Union Ave Direct On Ramp	Merging	3,469	3,469	100%	59	27	C
H St Off Ramp	Diverging	3,419	3,419	100%	58	20	B
Union Ave Off Ramp	Diverging	3,562	3,562	100%	59	31	D
SR-58 WB							
Brundage Ln On Ramp	Merging	2,952	2,914	99%	60	22	C
Union Ave On Ramp	Merging	3,296	3,273	99%	58	25	C
H St On Ramp	Merging	3,291	3,277	100%	57	27	C
Brundage Ln Off Ramp	Diverging	3,053	3,052	100%	61	25	C
Chester Ave Off Ramp	Diverging	3,296	3,271	99%	58	28	D
SR99 NB Off Ramp	Diverging	3,291	3,277	100%	59	28	C
SR99 SB Off Ramp	Diverging	2,207	2,179	99%	53	21	C

CENTENNIAL CORSIM ANALYSIS RESULTS
EXISTING PM CALIBRATION
Merging/Diverging & Weaving Analysis (Lane 1 & Lane 2)
Scenario Name and Description: TrunkLns_Off_On (VEH normal distribution, CFS-30%, PCFC-30%)

Location	Analysis Type	Speed (MPH)	Density (veh/ln/mi)	LOS (HCM 2000)
SR-99 NB				
White Ln Loop On Ramp	Merging	51	24	C
White Ln Direct On Ramp	Merging	59	24	C
Ming Ave On Ramp	Merging	48	37	E
Wible Rd On Ramp	Merging	56	22	C
SR58 WB On Ramp	Merging	52	33	D
California Ave Loop On	Merging	55	30	D
California Ave Direct On	Merging	53	35	E
Buck Owens Blvd/Sillect Ave On Ramp	Merging	59	20	B
White Ln Off Ramp	Diverging	64	13	B
Ming Ave Off Ramp	Diverging	61	22	C
SR58 EB/Wible Rd Off Ramp	Diverging	48	37	E
California Ave Off Ramp	Diverging	59	28	D
Rosedale Hwy Off Ramp	Diverging	55	34	D
Buck Owens Blvd/Sillect Ave Off Ramp	Diverging	61	16	B
Airport Dr Off Ramp	Diverging	60	21	C
SR-99 SB				
Airport Dr On Ramp	Merging	54	34	D
Rosedale Hwy Loop On Ramp	Merging	55	35	D
Rosedale Hwy Direct On Ramp	Merging	51	45	E
California Ave On Ramp	Merging	54	40	E
SR58 WB On Ramp	Merging	52	33	D
Real Rd On Ramp	Merging	55	35	E
Ming Ave On Ramp	Merging	58	26	C
White Ln Loop On Ramp	Merging	61	15	B
White Ln Direct On Ramp	Merging	62	15	B
Rosedale Hwy Off Ramp	Diverging	59	31	D
California Ave Off Ramp	Diverging	52	44	E
SR58 EB/Stockdale Hwy Off Ramp	Diverging	49	46	E
Ming Ave Off Ramp	Diverging	53	39	E
White Ln Off Ramp	Diverging	32	58	E
SR-58 EB				
SR99 NB & SB On Ramp	Merging	57	31	D
Chester Ave On Ramp	Merging	56	32	D
Union Ave Loop On Ramp	Merging	59	28	C
Union Ave Direct On Ramp	Merging	59	30	D
H St Off Ramp	Diverging	60	26	C
Union Ave Off Ramp	Diverging	59	31	D
SR-58 WB				
Brundage Ln On Ramp	Merging	60	24	C
Union Ave On Ramp	Merging	58	28	D
H St On Ramp	Merging	57	29	D
Brundage Ln Off Ramp	Diverging	61	25	C
Chester Ave Off Ramp	Diverging	58	28	D
SR99 NB Off Ramp	Diverging	59	28	C
SR99 SB Off Ramp	Diverging	53	21	C

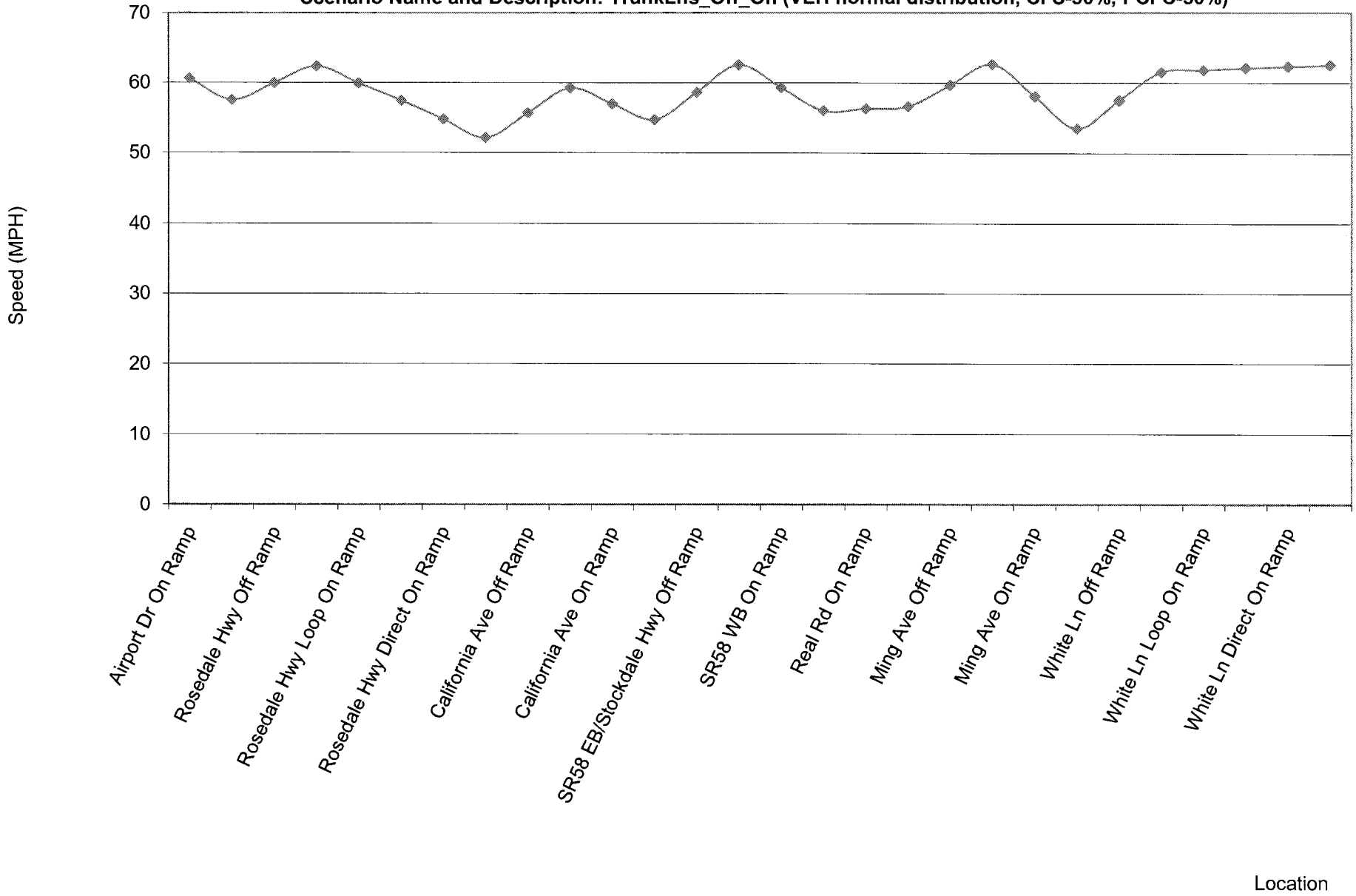
CENTENNIAL EXISTING CALIBRATION
CORSIM Simulated Travel Speed - Highway 99 NB PM Peak

Scenario Name and Description: TrunkLns_Off_On (VEH normal distribution, CFS-30%, PCFC-30%)

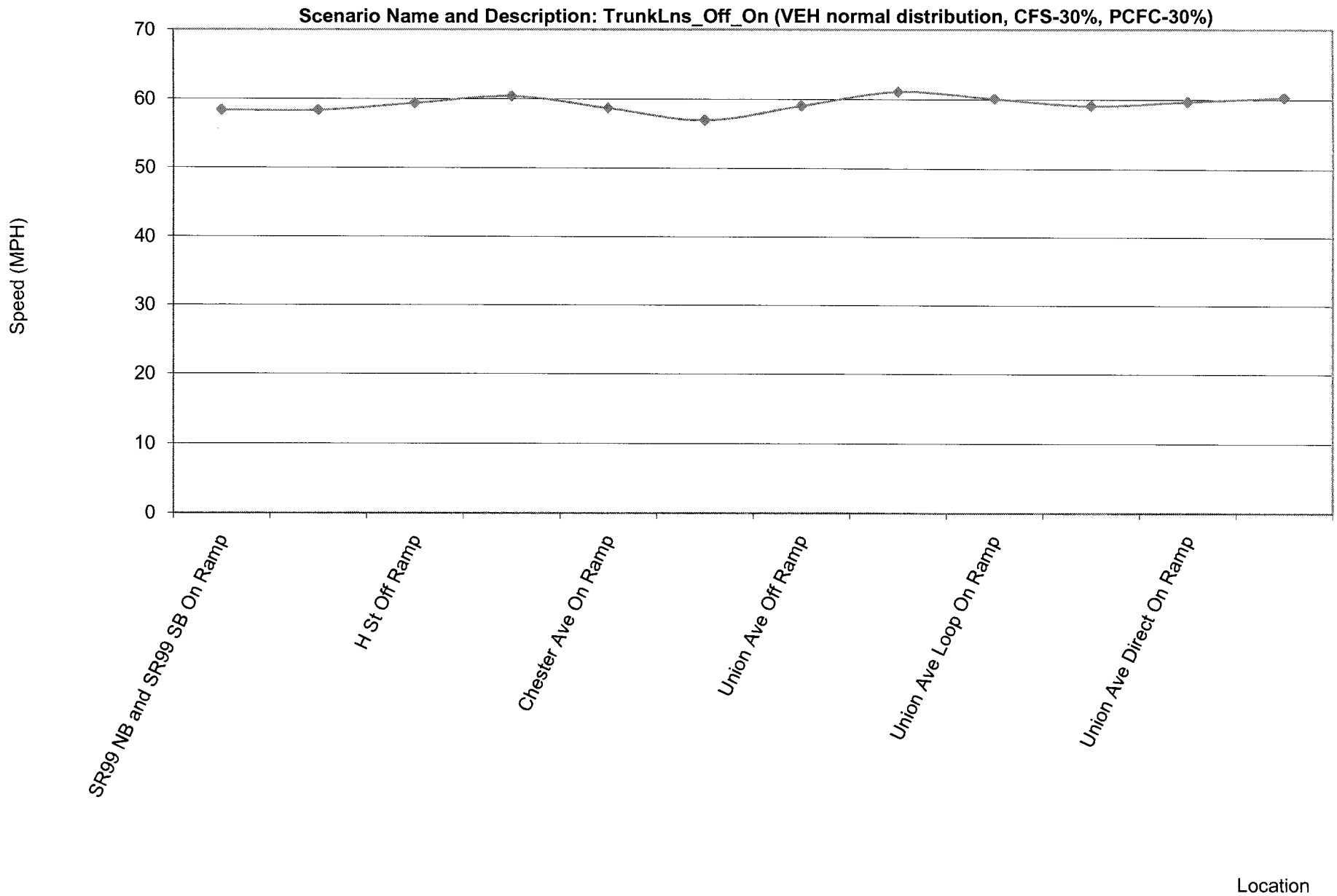


CENTENNIAL EXISTING CALIBRATION
CORSIM Simulated Travel Speed - Highway 99 SB PM Peak

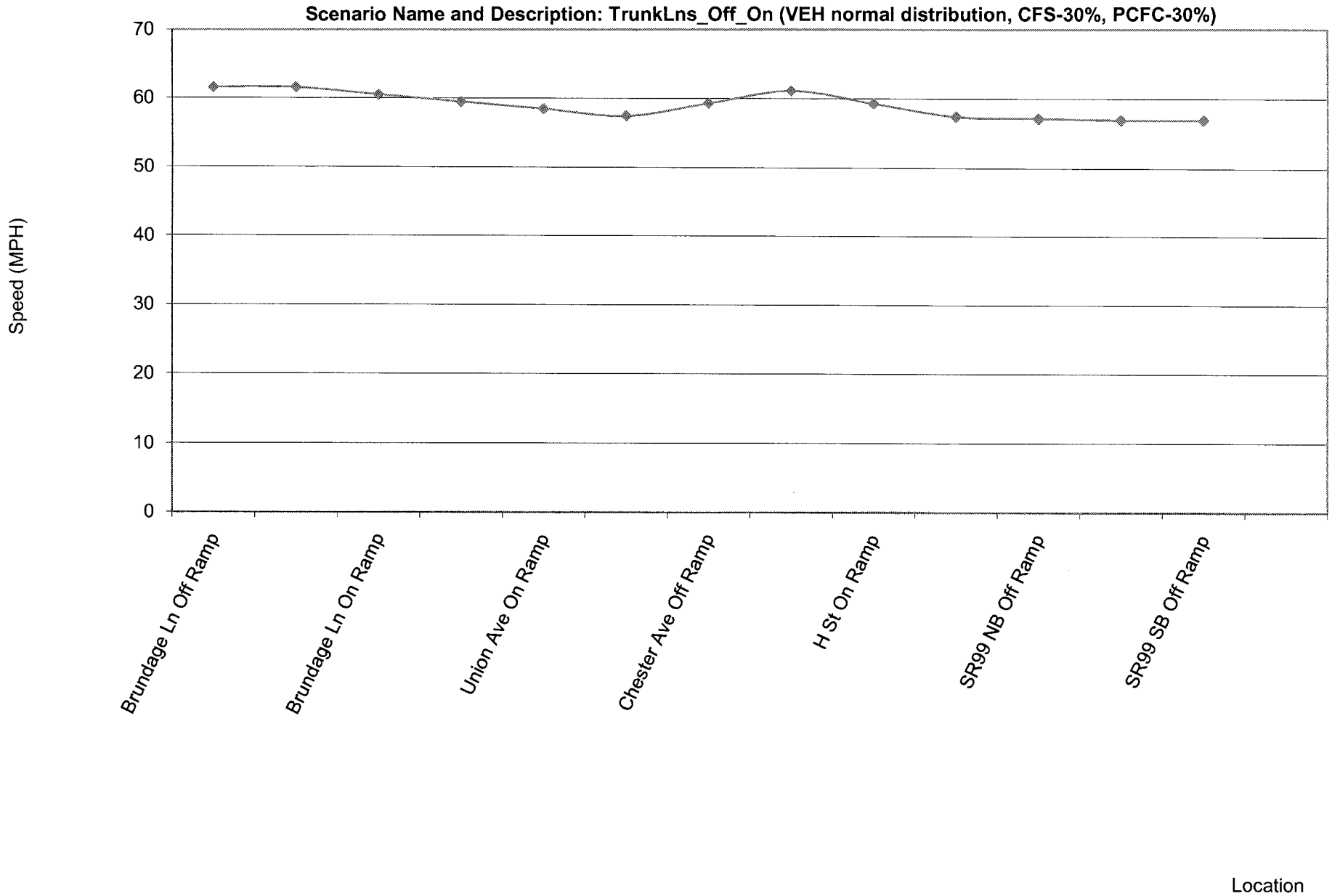
Scenario Name and Description: TrunkLns_Off_On (VEH normal distribution, CFS-30%, PCFC-30%)



CENTENNIAL EXISTING CALIBRATION
CORSIM Simulated Travel Speed - SR-58 EB PM Peak



CENTENNIAL EXISTING CALIBRATION
CORSIM Simulated Travel Speed - SR-58 WB PM Peak



CALIBRATED INTERSECTION LEVEL OF SERVICE SAMPLE

BAKERSFIELD CENTENNIAL CORRIDOR TRAFFIC OPERATIONS ANALYSIS

EXSITING INTERSECTION ANALYSIS RESULTS - AM PEAK

Scenario Name and Description: TruckLns (VEH normal distribution, CFS-30%, PCFC-30%)

Location	Volume	Capacity	V/C Ratio	Average Delay (sec/veh)	LOS (Movement)	LOS (Overall)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1. Airport Dr & State Rd/SR204 WB Ramp															
NB - Airport Dr	930	924	99%	24.2	C	C	121	116	96%	809	806	100%	0	0	N/A
SB - Airport Dr	1,002	1,002	100%	40.2	D		0	0	N/A	972	987	102%	30	15	50%
EB - State Rd	194	190	98%	15.6	B		39	33	85%	0	0	N/A	155	157	101%
WB - SR204 WB Off Ramp	654	659	101%	43.0	D		485	496	102%	57	55	96%	112	108	96%
Intersection Total	***2,780***	***2,775***	***100%***	***33.9***											
2. Buck Owens Blvd & SR99 NB Ramp															
NB - SR99 NB Off Ramp	1,508	1,429	95%	14.5	B	B	0	0	N/A	1,430	1,346	94%	78	83	106%
WB - Buck Owens Blvd	319	313	98%	19.5	B		0	0	N/A	0	0	N/A	319	313	98%
Intersection Total	***1,827***	***1,742***	***95%***	***15.4***											
3. Rio Mirada Dr & Buck Owens Blvd															
NB - Buck Owens Blvd	300	303	101%	15.2	B	C	30	28	93%	245	248	101%	25	27	108%
SB - Buck Owens Blvd	97	101	104%	28.1	C		65	67	103%	32	34	106%	0	0	N/A
EB - Rio Mirada Dr	665	659	99%	31.4	C		11	14	127%	185	180	97%	469	465	99%
WB - Rio Mirada Dr	136	138	101%	20.0	C		20	21	105%	46	54	117%	70	63	90%
Intersection Total	***1,198***	***1,201***	***100%***	***25.7***											
4. SR99 NB Ramps/Sillect Ave & Buck Owens Blvd															
NB - Buck Owens Blvd	746	718	96%	48.4	D	D	190	177	93%	320	328	103%	236	213	90%
SB - Buck Owens Blvd	423	424	100%	41.2	D		46	39	85%	286	281	98%	91	104	114%
EB - SR99 NB Off Ramp	822	781	95%	32.8	C		495	483	98%	224	205	92%	103	93	90%
WB - Sillect Ave	177	179	101%	53.1	D		130	130	100%	25	26	104%	22	23	105%
Intersection Total	***2,168***	***2,102***	***97%***	***41.6***											
5. Rosedale Hwy & Camino del Rio Ct															
NB - Camino del Rio Ct	186	188	101%	36.5	D	C	19	31	163%	4	2	50%	163	155	95%
SB - Camino del Rio Ct	117	118	101%	49.8	D		76	82	108%	4	4	100%	37	32	86%
EB - Rosedale Hwy	2,189	2,121	97%	28.2	C		38	35	92%	2,135	2,086	98%	16	0	0%
WB - Rosedale Hwy	2,046	2,004	98%	16.7	B		191	195	102%	1,767	1,727	98%	88	82	93%
Intersection Total	***4,538***	***4,431***	***98%***	***23.9***											
6. Rosedale Hwy & SR99 SB Ramp															
SB - SR99 SB Off Ramp	585	612	105%	32.1	C	C	296	317	107%	0	0	N/A	289	295	102%
EB - Rosedale Hwy	1,457	1,384	95%	12.1	B		0	0	N/A	1,457	1,384	95%	0	0	N/A
WB - Rosedale Hwy	1,757	1,723	98%	23.0	C		0	0	N/A	1,757	1,723	98%	0	0	N/A
Intersection Total	***3,799***	***3,719***	***98%***	***20.4***											
7. Rosedale Hwy & SR99 NB Ramp/Buck Owens Blvd															
NB - SR99 NB Off Ramp	1,730	1,745	101%	52.6	D	D	825	839	102%	0	0	N/A	905	906	100%
SB - Buck Owens Blvd	456	374	82%	128.4	F		179	121	68%	0	0	N/A	277	253	91%
EB - Rosedale Hwy	1,753	1,604	92%	65.7	E		323	323	100%	1,430	1,281	90%	0	0	N/A
WB - 24th St	1,750	1,767	101%	28.5	C		0	0	N/A	1,353	1,400	103%	397	367	92%
Intersection Total	***5,689***	***5,490***	***97%***	***53.6***											
8. 24th St & Oak St															
NB - Oak St	819	825	101%	43.9	D	F	319	322	101%	16	22	138%	484	461	99%
SB - Oak St	55	55	100%	59.4	E		21	27	129%	17	13	76%	17	15	88%
EB - 24th St	2,514	2,198	87%	151.3	F		33	31	94%	1,920	1,582	82%	561	585	104%
WB - 24th St	2,036	2,008	99%	39.0	D		603	577	96%	1,414	1,431	101%	19	0	0%
Intersection Total	***5,424***	***5,086***	***94%***	***88.5***											
9. California Ave & Chester Ln															
NB - Chester Ln	134	130	97%	31.2	C	C	74	66	89%	25	17	68%	35	47	134%
SB - Chester Ln	136	133	98%	31.7	C		115	102	89%	11	18	164%	10	13	130%
EB - California Ave	1,014	1,030	102%	22.2	C		24	33	138%	973	989	102%	17	8	47%
WB - California Ave	1,519	1,545	102%	36.3	D		26	35	135%	1,439	1,470	102%	54	40	74%
Intersection Total	***2,803***	***2,838***	***101%***	***30.7***											
10. California Ave & SR99 SB Ramps/Real Rd															
NB - Real Rd	347	344	99%	55.9	E	C	72	75	104%	42	35	83%	233	234	100%
SB - SR99 SB Off Ramp	1,077	1,041	97%	31.1	C		256	252	98%	113	92	81%	708	697	98%
EB - California Ave	1,182	1,194	101%	32.8	C		114	98	86%	1,027	1,063	104%	41	33	80%
WB - California Ave	963	980	102%	21.7	C		89	104	117%	874	876	100%	0	0	N/A
Intersection Total	***3,569***	***3,559***	***100%***	***31.5***											
11. California Ave & SR99 NB Ramps															
NB - SR99 NB Off Ramp	1,131	1,078	95%	13.4	B	D	391	355	91%	27	17	63%	713	706	99%
SB - Extended Stay Hotel	43	41	95%	33.3	C		17	18	106%	0	0	N/A	26	23	88%
EB - California Ave	1,060	1,090	103%	41.8	D		22	34	155%	1,038	1,056	102%	0	0	N/A
WB - California Ave	964	956	99%	64.7	E		0	0	N/A	955	956	100%	9	0	0%
Intersection Total	***3,198***	***3,165***	***99%***	***38.9***											
12. California Ave & Oak St															
NB - Oak St	904	897	99%	35.3	D	C	198	193	97%	652	652	100%	54	52	96%
SB - Oak St	607	616	101%	22.3	C		112	118	105%	225	243	108%	270	255	94%
EB - California Ave	1,745	1,763	101%	17.7	B		718	780	109%	928	891	96%	99	92	93%
WB - California Ave	676	682	101%	25.2	C		34	41	121%	483	478	99%	159	163	103%
Intersection Total	***3,932***	***3,958***	***101%***	***23.7***											
13. Stockdale Hwy & Real Rd															
NB - Real Rd	787	833	106%	49.4	D	E	600	634	106%	138	135	98%	49	64	131%
SB - Real Rd	280	274	98%	34.3	C		16	14	88%	185	177	96%	79	83	105%
EB - Stockdale Hwy	1,476	1,422	96%	64.3	E		79	91	115%	761	697	92%	636	634	100%
WB - Stockdale Hwy	855	892	104%	56.2	E		129	162	126%	702	718	102%	24	12	50%
Intersection Total	***3,398***	***3,421***	***101%***	***56.2***											

BAKERSFIELD CENTENNIAL CORRIDOR TRAFFIC OPERATIONS ANALYSIS

EXSITING INTERSECTION ANALYSIS RESULTS - AM PEAK

Scenario Name and Description: TruckLns (VEH normal distribution, CFS-30%, PCFC-30%)

Location	Volume (veh)	Volume (veh)	% Change in Volume	Overall Delay (sec/veh)	LOS (HCM2000)	LOS (HCM2010)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14. Stockdale Hwy & SR99 SB Ramp															
SB - SR99 SB Off Ramp	371	374	101%	9.5	A		80	87	109%	0	0	N/A	291	287	99%
EB - Stockdale Hwy	765	744	97%	6.3	A	B	0	0	N/A	765	744	97%	0	0	N/A
WB - Stockdale Hwy	654	643	98%	31.4	C		0	0	N/A	654	643	98%	0	0	N/A
Intersection Total	***1,790***	***1,761***	***98%***	***16.1***											
15. Stockdale Hwy & Oak St/Wible Rd															
NB - Wible Rd	728	742	102%	20.3	C		188	191	102%	393	399	102%	147	152	103%
SB - Oak St	336	335	100%	22.7	C	C	37	35	95%	153	157	103%	146	143	98%
EB - Stockdale Hwy	845	794	94%	20.3	C		131	118	90%	434	405	93%	280	271	97%
WB - Stockdale Hwy	452	447	99%	32.0	C		77	84	109%	320	301	94%	55	62	113%
Intersection Total	***2,361***	***2,318***	***98%***	***22.9***											
16. SR58 Ramps & Real Rd															
NB - Real Rd	517	515	100%	21.8	C		0	0	N/A	148	151	102%	369	364	99%
SB - Real Rd	950	982	103%	33.0	C	C	832	874	105%	118	108	92%	0	0	N/A
WB - SR58 WB	929	968	106%	17.0	B		290	295	102%	0	0	N/A	639	693	108%
Intersection Total	***2,396***	***2,485***	***104%***	***24.3***											
17. SR99 NB Ramps & Wible Rd															
NB - Wible Rd	698	695	100%	14.8	B		220	217	99%	478	478	100%	0	0	N/A
SB - Wible Rd	510	523	103%	17.7	B	B	0	0	N/A	240	277	115%	270	246	91%
EB - SR99 NB Off Ramp	257	274	107%	30.3	C		250	269	108%	0	0	N/A	7	5	71%
Intersection Total	***1,465***	***1,492***	***102%***	***18.7***											
18. Ming Ave & Real Rd															
NB - Real Rd	311	308	99%	24.2	C		70	67	96%	107	95	89%	134	146	109%
SB - Real Rd	295	293	99%	27.6	C	C	96	93	97%	99	91	92%	100	109	109%
EB - Ming Ave	1,623	1,611	99%	29.8	C		99	116	117%	1,468	1,452	99%	56	43	77%
WB - Ming Ave	1,168	1,124	96%	18.8	B		78	82	105%	1,050	1,012	96%	40	30	75%
Intersection Total	***3,397***	***3,336***	***98%***	***25.4***											
19. Ming Ave & SR99 SB Ramps															
EB - Ming Ave	1,732	1,700	98%	20.2	C	B	0	0	N/A	1,547	1,518	98%	185	182	98%
WB - Ming Ave	653	616	94%	0.8	A		60	59	98%	593	557	94%	0	0	N/A
Intersection Total	***2,385***	***2,316***	***97%***	***15.0***											
20. Ming Ave & Wible Rd															
NB - Wible Rd	601	598	100%	32.1	C		55	58	105%	286	280	98%	260	260	100%
SB - Wible Rd	236	231	98%	30.7	C	D	32	34	106%	126	126	100%	78	71	91%
EB - Ming Ave	1,826	1,789	98%	45.6	D		153	129	84%	1,457	1,463	100%	216	197	91%
WB - Ming Ave	612	588	96%	23.9	C		39	38	97%	520	496	95%	53	54	102%
Intersection Total	***3,275***	***3,206***	***98%***	***38.0***											
21. Ming Ave & SR99 NB Ramps															
NB - Sears	48	48	100%	46.6	D		8	8	100%	30	34	113%	10	6	60%
SB - SR99 SB Off Ramp	297	267	90%	18.4	B	C	74	69	93%	19	15	79%	204	183	90%
EB - Ming Ave	1,749	1,781	102%	24.5	C		1,065	1,132	106%	644	610	95%	40	39	98%
WB - Ming Ave	578	642	111%	29.0	C		8	11	138%	400	431	108%	170	200	118%
Intersection Total	***2,672***	***2,738***	***102%***	***25.3***											
22. Ming Ave & Castro Ln															
NB - Castro Ln	24	23	96%	23.5	C		18	18	100%	6	5	83%	0	0	N/A
SB - Castro Ln	130	128	98%	15.9	B	C	39	37	95%	6	4	67%	85	87	102%
EB - Ming Ave	728	683	94%	20.4	C		57	51	89%	639	605	95%	32	27	84%
WB - Ming Ave	649	641	99%	33.4	C		12	9	75%	605	603	100%	32	29	91%
Intersection Total	***1,531***	***1,475***	***96%***	***25.7***											
23. White Ln & Wible Rd															
NB - Wible Rd	671	674	100%	22.5	C		73	56	77%	231	229	99%	367	389	106%
SB - Wible Rd	481	482	100%	32.1	C	C	191	179	94%	203	217	107%	87	86	99%
EB - White Ln	1,754	1,757	100%	38.4	D		110	133	121%	1,556	1,549	100%	88	75	85%
WB - White Ln	1,561	1,564	100%	28.5	C		326	262	80%	1,084	1,151	106%	151	151	100%
Intersection Total	***4,467***	***4,477***	***100%***	***31.9***											
24. White Ln & SR99 SB Ramps															
SB - SR99 SB Off Ramp	1,347	1,371	102%	37.4	D		325	346	106%	0	0	N/A	1,022	1,025	100%
EB - White Ln	1,975	2,032	103%	6.4	A	B	0	0	N/A	1,975	2,032	103%	0	0	N/A
WB - White Ln	539	570	106%	19.2	B		0	0	N/A	539	570	106%	0	0	N/A
Intersection Total	***3,861***	***3,973***	***103%***	***18.9***											
25. White Ln & SR99 NB Ramps															
NB - SR99 NB Off Ramp	202	225	111%	9.7	A		109	127	117%	0	0	N/A	93	98	105%
EB - White Ln	729	778	107%	7.8	A	A	0	0	N/A	729	778	107%	0	0	N/A
WB - White Ln	541	573	106%	4.5	A		0	0	N/A	541	573	106%	0	0	N/A
Intersection Total	***1,472***	***1,576***	***107%***	***6.9***											
26. White Ln & Hughes Ln															
NB - Hughes Ln	507	506	100%	28.0	C		296	299	101%	183	179	98%	28	28	100%
SB - Hughes Ln	301	295	98%	26.9	C	D	52	63	121%	104	94	90%	145	138	95%
EB - White Ln	991	967	98%	44.9	D		143	134	94%	683	676	99%	165	157	95%
WB - White Ln	763	766	100%	36.9	D		34	29	85%	682	680	100%	47	57	121%
Intersection Total	***2,562***	***2,534***	***99%***	***37.0***											
27. Brundage Ln & H St															
NB - H St	982	951	97%	19.9	B		81	86	106%	705	704	100%	196	161	82%
SB - H St	315	317	101%	19.8	B	B	23	23	100%	261	271	104%	31	23	74%
EB - Brundage Ln	472	472	100%	20.8	C		75	64	85%	347	353	102%	50	55	110%
WB - Brundage Ln	384	403	105%	10.6	B		121	141	117%	244	248	102%	19	14	74%
Intersection Total	***2,153***	***2,143***	***100%***	***18.3***											

BAKERSFIELD CENTENNIAL CORRIDOR TRAFFIC OPERATIONS ANALYSIS

EXSITING INTERSECTION ANALYSIS RESULTS - AM PEAK

Scenario Name and Description: TruckLns (VEH normal distribution, CFS-30%, PCFC-30%)

Intersection	Existing Volume (veh)	2030 EXISTING Volume (veh)	Volume to Capacity (v/c Ratio)	Control Delay (sec/veh)	LOS (Approach)	LOS (Overall)	Left Turn Pocket Queues Existing	Left Turn Pocket Queues 2030 Existing	% Change	Through Lane Queues Existing	Through Lane Queues 2030 Existing	% Change	Right Turn Pocket Queues Existing	Right Turn Pocket Queues 2030 Existing	% Change
26. SR58 WB Ramp & H St															
NB - H St	986	956	97%	10.1	B		94	101	107%	892	855	96%	0	0	N/A
SB - H St	432	464	107%	25.7	C	B	0	0	N/A	300	330	110%	132	134	102%
WB - Richland St	297	304	102%	27.6	C		100	108	108%	107	103	96%	90	93	103%
Intersection Total	***1,715***	***1,724***	***101%***	***17.4***											
29. SR58 EB Ramp & H St															
NB - H St	909	903	99%	52.6	D		0	0	N/A	781	761	97%	128	142	111%
SB - H St	400	438	110%	9.0	A	D	69	74	107%	331	364	110%	0	0	N/A
EB - SR58 EB Off Ramp	410	384	94%	32.7	C		205	195	95%	156	151	97%	49	38	78%
Intersection Total	***1,719***	***1,725***	***100%***	***37.1***											
30. Brundage Ln & Chester Ave															
NB - Chester Ave	730	720	99%	20.7	C		75	68	91%	591	600	102%	64	52	81%
SB - Chester Ave	360	359	100%	13.5	B	B	23	26	113%	250	237	95%	87	96	110%
EB - Brundage Ln	537	525	98%	11.0	B		176	174	99%	300	301	100%	61	50	82%
WB - Brundage Ln	318	320	101%	25.1	C		47	41	87%	243	246	101%	28	33	118%
Intersection Total	***1,945***	***1,924***	***99%***	***17.4***											
31. SR58 WB Ramp & Chester Ave															
NB - Chester Ave	583	576	99%	6.7	A		59	62	105%	524	514	98%	0	0	N/A
SB - Chester Ave	358	321	90%	16.8	B	B	0	0	N/A	301	265	88%	57	56	98%
WB - Richland St	474	500	105%	23.7	C		87	104	120%	181	188	104%	206	208	101%
Intersection Total	***1,415***	***1,397***	***99%***	***15.6***											
32. SR58 EB Ramp & Chester Ave															
NB - Chester Ave	645	637	99%	21.3	C		0	0	N/A	489	468	96%	156	169	108%
SB - Chester Ave	388	375	97%	12.8	B	C	126	117	93%	262	258	98%	0	0	N/A
EB - Frontage Rd	353	370	105%	32.6	C		94	99	105%	193	206	107%	66	65	98%
Intersection Total	***1,386***	***1,382***	***100%***	***22.0***											
33. Brundage Ln & Union Ave															
NB - Union Ave	1,522	1,521	100%	51.5	D		91	94	103%	1,283	1,296	101%	148	131	89%
SB - Union Ave	1,036	1,053	102%	33.2	C	D	90	74	82%	891	922	103%	55	57	104%
EB - Brundage Ln	281	281	100%	31.4	C		101	107	106%	110	101	92%	70	73	104%
WB - Brundage Ln	775	766	99%	32.1	C		270	260	96%	218	221	101%	287	285	99%
Intersection Total	***3,614***	***3,621***	***100%***	***40.5***											
34. SR58 EB Ramp & Union Ave															
NB - Union Ave	1,118	1,119	100%	9.6	A		0	0	N/A	919	920	100%	199	199	100%
SB - Union Ave	816	828	101%	8.9	A	B	0	0	N/A	816	828	101%	0	0	N/A
EB - SR58 EB Off Ramp	821	810	99%	14.4	B		603	595	99%	0	0	N/A	218	215	99%
Intersection Total	***2,755***	***2,757***	***100%***	***10.8***											
35. Brundage Ln & SR58 WB Ramps															
NB - SR58 WB Off Ramp	509	498	98%	26.7	C		468	459	98%	34	34	100%	7	5	71%
SB - Liggett St	73	73	100%	13.4	B	C	2	3	150%	32	28	88%	39	42	108%
EB - Brundage Ln	341	304	89%	20.5	C		18	19	106%	236	211	89%	87	74	85%
WB - Brundage Ln	374	373	100%	24.9	C		77	83	108%	289	282	98%	8	8	100%
Intersection Total	***1,297***	***1,248***	***96%***	***23.9***											

BAKERSFIELD CENTENNIAL CORRIDOR TRAFFIC OPERATIONS ANALYSIS

EXSITING INTERSECTION ANALYSIS RESULTS - AM PEAK

Scenario Name and Description: TruckLns_Off (VEH normal distribution, CFS-30%, PCFC-30%)

Location	Volume (VEH)	Capacity (VEH)	V/C Ratio	Control Delay (sec/veh)	LOS Designation	LOS Overall	Left Turn Volume (VEH)	Left Turn Capacity (VEH)	V/C Ratio	Through Volume (VEH)	Through Capacity (VEH)	V/C Ratio	Right Turn Volume (VEH)	Right Turn Capacity (VEH)	V/C Ratio
1. Airport Dr & State Rd/SR204 WB Ramp															
NB - Airport Dr	930	912	98%	24.4	C	C	121	117	97%	809	795	98%	0	0	N/A
SB - Airport Dr	1,002	1,002	100%	40.1	D		0	0	N/A	972	987	102%	30	15	50%
EB - State Rd	194	190	98%	15.7	B		39	33	85%	0	0	N/A	155	157	101%
WB - SR204 WB Off Ramp	654	647	99%	42.0	D		485	488	101%	57	53	93%	112	106	95%
Intersection Total	***2,780***	***2,751***	***99%***	***33.7***											
2. Buck Owens Blvd & SR99 NB Ramp															
NB - SR99 NB Off Ramp	1,508	1,412	94%	13.3	B	B	0	0	N/A	1,430	1,329	93%	78	83	106%
WB - Buck Owens Blvd	319	314	98%	19.4	B		0	0	N/A	0	0	N/A	319	314	98%
Intersection Total	***1,827***	***1,726***	***94%***	***14.4***											
3. Rio Mirada Dr & Buck Owens Blvd															
NB - Buck Owens Blvd	300	303	101%	15.3	B	C	30	27	90%	245	249	102%	25	27	108%
SB - Buck Owens Blvd	97	101	104%	26.5	C		65	67	103%	32	34	106%	0	0	N/A
EB - Rio Mirada Dr	665	656	99%	26.4	C		11	14	127%	185	180	97%	469	462	99%
WB - Rio Mirada Dr	136	138	101%	21.1	C		20	21	105%	46	54	117%	70	63	90%
Intersection Total	***1,198***	***1,198***	***100%***	***23.0***											
4. SR99 NB Ramps/Sillect Ave & Buck Owens Blvd															
NB - Buck Owens Blvd	746	736	99%	45.8	D	D	190	181	95%	320	336	105%	236	219	93%
SB - Buck Owens Blvd	423	424	100%	41.2	D		46	39	85%	286	281	98%	91	104	114%
EB - SR99 NB Off Ramp	822	791	96%	31.0	C		495	492	99%	224	206	92%	103	93	90%
WB - Sillect Ave	177	179	101%	53.1	D		130	130	100%	25	26	104%	22	23	105%
Intersection Total	***2,168***	***2,130***	***98%***	***40.0***											
5. Rosedale Hwy & Camino del Rio Ct															
NB - Camino del Rio Ct	186	188	101%	35.7	D	C	19	31	163%	4	2	50%	163	155	95%
SB - Camino del Rio Ct	117	118	101%	46.5	D		76	82	108%	4	4	100%	37	32	86%
EB - Rosedale Hwy	2,189	2,190	100%	22.2	C		38	35	92%	2,135	2,155	101%	16	0	0%
WB - Rosedale Hwy	2,046	1,977	97%	16.4	B		191	195	102%	1,767	1,700	96%	88	82	93%
Intersection Total	***4,538***	***4,473***	***99%***	***20.8***											
6. Rosedale Hwy & SR99 SB Ramp															
SB - SR99 SB Off Ramp	585	574	98%	27.8	C	B	296	298	101%	0	0	N/A	289	276	96%
EB - Rosedale Hwy	1,457	1,452	100%	10.9	B		0	0	N/A	1,457	1,452	100%	0	0	N/A
WB - Rosedale Hwy	1,757	1,712	97%	22.6	C		0	0	N/A	1,757	1,712	97%	0	0	N/A
Intersection Total	***3,799***	***3,738***	***98%***	***18.9***											
7. Rosedale Hwy & SR99 NB Ramp/Buck Owens Blvd															
NB - SR99 NB Off Ramp (left and through)	825	810	98%	48.2	D	D	825	810	98%	0	0	N/A	0	0	N/A
NB - SR99 NB Off Ramp (free right)	905	883	98%	9.0	A		0	0	N/A	0	0	N/A	905	883	98%
NB - SR99 NB Off Ramp (extra link for capturing delay)				0.4	A										
NB - SR99 NB Off Ramp	1,730	1,693	98%	57.6	E		825	810	98%	0	0	N/A	905	883	98%
SB - Buck Owens Blvd	456	396	87%	86.7	F		179	140	78%	0	0	N/A	277	256	92%
EB - Rosedale Hwy	1,753	1,662	95%	52.0	D		323	339	105%	1,430	1,323	93%	0	0	N/A
WB - 24th St	1,750	1,769	101%	29.9	C		0	0	N/A	1,353	1,401	104%	397	368	93%
Intersection Total	***5,689***	***5,520***	***97%***	***49.1***											
8. 24th St & Oak St															
NB - Oak St	819	825	101%	44.5	D	F	319	322	101%	16	22	138%	484	481	99%
SB - Oak St	55	55	100%	59.4	E		21	27	129%	17	13	76%	17	15	88%
EB - 24th St (incoming link)	2,514	2,232	89%	97.2	F		33	32	97%	1,920	1,592	83%	561	608	108%
EB - 24th St (extra link for additional delay)				44.5	D										
EB - 24th St	2,514	2,232	89%	141.7	F		33	32	97%	1,920	1,592	83%	561	608	108%
WB - 24th St	2,036	2,012	99%	38.6	D		603	578	96%	1,414	1,434	101%	19	0	0%
Intersection Total	***5,424***	***5,124***	***94%***	***84.7***											
9. California Ave & Chester Ln															
NB - Chester Ln	134	130	97%	31.4	C	C	74	66	89%	25	17	68%	35	47	134%
SB - Chester Ln	136	133	98%	31.4	C		115	102	89%	11	18	164%	10	13	130%
EB - California Ave	1,014	1,030	102%	22.1	C		24	33	138%	973	989	102%	17	8	47%
WB - California Ave	1,519	1,579	104%	36.4	D		26	37	142%	1,439	1,505	105%	54	37	69%
Intersection Total	***2,803***	***2,872***	***102%***	***30.8***											
10. California Ave & SR99 SB Ramps/Real Rd															
NB - Real Rd	347	344	99%	55.7	E	C	72	76	106%	42	35	83%	233	233	100%
SB - SR99 SB Off Ramp	1,077	1,077	100%	31.4	C		256	256	100%	113	98	87%	708	723	102%
EB - California Ave	1,182	1,193	101%	32.9	C		114	98	86%	1,027	1,062	103%	41	33	80%
WB - California Ave	963	996	103%	21.0	C		89	109	122%	874	887	101%	0	0	N/A
Intersection Total	***3,569***	***3,610***	***101%***	***31.3***											
11. California Ave & SR99 NB Ramps															
NB - SR99 NB Off Ramp	1,131	1,054	93%	14.2	B	D	391	343	88%	27	17	63%	713	694	97%
SB - Extended Stay Hotel	43	41	95%	33.1	C		17	18	106%	0	0	N/A	26	23	88%
EB - California Ave	1,060	1,095	103%	41.3	D		22	35	159%	1,038	1,060	102%	0	0	N/A
WB - California Ave	964	953	99%	56.6	E		0	0	N/A	955	953	100%	9	0	0%
Intersection Total	***3,198***	***3,143***	***98%***	***36.7***											
12. California Ave & Oak St															
NB - Oak St	904	897	99%	35.1	D	C	198	193	97%	652	652	100%	54	52	96%
SB - Oak St	607	617	102%	22.0	C		112	118	105%	225	244	108%	270	255	94%
EB - California Ave	1,745	1,754	101%	16.5	B		718	767	107%	928	896	97%	99	91	92%
WB - California Ave	676	682	101%	25.1	C		34	40	118%	483	479	99%	159	163	103%
Intersection Total	***3,932***	***3,950***	***100%***	***23.1***											
13. Stockdale Hwy & Real Rd															
NB - Real Rd	787	791	101%	42.4	D	D	600	603	101%	138	128	93%	49	60	122%
SB - Real Rd	280	274	98%	34.3	C		16	14	88%	185	177	96%	79	83	105%
EB - Stockdale Hwy	1,476	1,482	100%	49.7	D		79	90	114%	761	730	96%	636	662	104%
WB - Stockdale Hwy	855	897	105%	63.6	E		129	164	127%	702	722	103%	24	11	46%
Intersection Total	***3,398***	***3,444***	***101%***	***50.4***											

BAKERSFIELD CENTENNIAL CORRIDOR TRAFFIC OPERATIONS ANALYSIS

EXSITING INTERSECTION ANALYSIS RESULTS - AM PEAK

Scenario Name and Description: TruckLns_Off (VEH normal distribution, CFS-30%, PCFC-30%)

Location	Existing Volume (veh)	Existing Capacity (veh)	V/C Ratio (Volume/Capacity)	Control Delay (seconds)	LOS (Approach)	LOS (Overall)	NB Volume	NB Capacity	NB V/C Ratio	Through Volume	Through Capacity	Through V/C Ratio	Right Turn Volume	Right Turn Capacity	Right Turn V/C Ratio
14. Stockdale Hwy & SR99 SB Ramp															
SB - SR99 SB Off Ramp	371	375	101%	10.5	B		80	86	108%	0	0	N/A	291	289	99%
EB - Stockdale Hwy	765	773	101%	6.5	A	B	0	0	N/A	765	773	101%	0	0	N/A
WB - Stockdale Hwy	654	653	100%	31.3	C		0	0	N/A	654	653	100%	0	0	N/A
Intersection Total	***1,790***	***1,801***	***101%***	***16.3***											
15. Stockdale Hwy & Oak St/Wible Rd															
NB - Wible Rd	728	758	104%	20.7	C		168	198	105%	393	403	103%	147	157	107%
SB - Oak St	336	335	100%	22.8	C		37	35	95%	153	156	102%	146	144	99%
EB - Stockdale Hwy	845	823	97%	22.6	C	C	131	120	92%	434	420	97%	280	283	101%
WB - Stockdale Hwy	452	447	99%	32.4	C		77	84	109%	320	301	94%	55	62	113%
Intersection Total	***2,361***	***2,363***	***100%***	***23.9***											
16. SR58 Ramps & Real Rd															
NB - Real Rd	517	515	100%	21.5	C		0	0	N/A	148	151	102%	369	364	99%
SB - Real Rd	950	997	105%	35.1	D	C	832	679	106%	118	118	100%	0	0	N/A
WB - SR58 WB	929	936	101%	14.7	B		290	285	98%	0	0	N/A	639	651	102%
Intersection Total	***2,396***	***2,448***	***102%***	***24.4***											
17. SR99 NB Ramps & Wible Rd															
NB - Wible Rd	698	695	100%	15.0	B		220	217	99%	478	478	100%	0	0	N/A
SB - Wible Rd	510	532	104%	16.4	B	B	0	0	N/A	240	282	118%	270	250	93%
EB - SR99 NB Off Ramp	257	293	114%	29.9	C		250	285	114%	0	0	N/A	7	8	114%
Intersection Total	***1,465***	***1,520***	***104%***	***19.1***											
18. Ming Ave & Real Rd															
NB - Real Rd	311	308	99%	24.4	C		70	67	96%	107	95	89%	134	146	109%
SB - Real Rd	295	293	99%	27.8	C		96	93	97%	99	91	92%	100	109	109%
EB - Ming Ave	1,623	1,611	99%	30.0	C	C	99	116	117%	1,468	1,452	99%	56	43	77%
WB - Ming Ave	1,168	1,197	102%	18.5	B		78	88	113%	1,050	1,079	103%	40	30	75%
Intersection Total	***3,397***	***3,409***	***100%***	***25.3***											
19. Ming Ave & SR99 SB Ramps															
EB - Ming Ave	1,732	1,700	98%	20.0	C	B	0	0	N/A	1,547	1,518	98%	185	182	98%
WB - Ming Ave	653	652	100%	0.7	A		60	61	102%	593	591	100%	0	0	N/A
Intersection Total	***2,385***	***2,352***	***99%***	***14.6***											
20. Ming Ave & Wible Rd															
NB - Wible Rd	601	598	100%	31.8	C		55	58	105%	286	282	99%	260	258	99%
SB - Wible Rd	236	231	98%	30.6	C		32	34	106%	126	126	100%	78	71	91%
EB - Ming Ave	1,826	1,799	99%	46.6	D	D	153	131	86%	1,457	1,470	101%	216	198	92%
WB - Ming Ave	612	627	102%	22.2	C		39	39	100%	520	530	102%	53	58	109%
Intersection Total	***3,275***	***3,255***	***99%***	***38.0***											
21. Ming Ave & SR99 NB Ramps															
NB - Sears	48	48	100%	46.7	D		8	8	100%	30	34	113%	10	6	60%
SB - SR99 SB Off Ramp	297	318	107%	19.0	B		74	84	114%	19	19	100%	204	215	105%
EB - Ming Ave	1,749	1,787	102%	24.1	C	C	1,065	1,134	106%	644	614	95%	40	39	98%
WB - Ming Ave	578	644	111%	29.9	C		8	12	150%	400	431	108%	170	201	118%
Intersection Total	***2,672***	***2,797***	***105%***	***25.2***											
22. Ming Ave & Castro Ln															
NB - Castro Ln	24	23	96%	23.4	C		18	18	100%	6	5	83%	0	0	N/A
SB - Castro Ln	130	128	98%	15.8	B	C	39	37	95%	6	4	67%	85	87	102%
EB - Ming Ave	728	699	96%	20.8	C		57	52	91%	639	618	97%	32	29	91%
WB - Ming Ave	649	641	99%	33.4	C		12	8	67%	605	604	100%	32	29	91%
Intersection Total	***1,531***	***1,491***	***97%***	***25.8***											
23. White Ln & Wible Rd															
NB - Wible Rd	671	674	100%	22.1	C		73	56	77%	231	229	99%	367	389	106%
SB - Wible Rd	481	482	100%	32.1	C	C	191	180	94%	203	217	107%	87	85	98%
EB - White Ln	1,754	1,756	100%	36.6	D		110	132	120%	1,556	1,548	99%	88	76	86%
WB - White Ln	1,561	1,500	96%	29.0	C		326	253	78%	1,084	1,104	102%	151	143	95%
Intersection Total	***4,467***	***4,412***	***99%***	***31.3***											
24. White Ln & SR99 SB Ramps															
SB - SR99 SB Off Ramp	1,347	1,301	97%	30.1	C		325	321	99%	0	0	N/A	1,022	980	96%
EB - White Ln	1,975	2,024	102%	6.3	A	B	0	0	N/A	1,975	2,024	102%	0	0	N/A
WB - White Ln	539	554	103%	16.8	B		0	0	N/A	539	554	103%	0	0	N/A
Intersection Total	***3,861***	***3,879***	***100%***	***15.8***											
25. White Ln & SR99 NB Ramps															
NB - SR99 NB Off Ramp	202	202	100%	8.4	A		109	104	95%	0	0	N/A	93	98	105%
EB - White Ln	729	749	103%	8.2	A	A	0	0	N/A	729	749	103%	0	0	N/A
WB - White Ln	541	570	105%	4.9	A		0	0	N/A	541	570	105%	0	0	N/A
Intersection Total	***1,472***	***1,521***	***103%***	***7.0***											
26. White Ln & Hughes Ln															
NB - Hughes Ln	507	506	100%	28.0	C		296	299	101%	183	179	98%	28	28	100%
SB - Hughes Ln	301	295	98%	26.7	C	D	52	63	121%	104	94	90%	145	138	95%
EB - White Ln	991	929	94%	43.9	D		143	128	90%	683	655	96%	165	146	88%
WB - White Ln	763	766	100%	36.5	D		34	27	79%	682	682	100%	47	57	121%
Intersection Total	***2,562***	***2,496***	***97%***	***36.4***											
27. Brundage Ln & H St															
NB - H St	982	949	97%	19.8	B		81	86	106%	705	701	99%	196	162	83%
SB - H St	315	317	101%	19.9	B	B	23	23	100%	261	271	104%	31	23	74%
EB - Brundage Ln	472	472	100%	20.7	C		75	64	85%	347	353	102%	50	55	110%
WB - Brundage Ln	384	403	105%	10.4	B		121	141	117%	244	248	102%	19	14	74%
Intersection Total	***2,153***	***2,141***	***99%***	***18.2***											

BAKERSFIELD CENTENNIAL CORRIDOR TRAFFIC OPERATIONS ANALYSIS

EXSITING INTERSECTION ANALYSIS RESULTS - AM PEAK

Scenario Name and Description: TruckLns_Off (VEH normal distribution, CFS-30%, PCFC-30%)

Location	Volume (veh)	Capacity (veh)	% Capacity	Control Delay (sec/veh)	LOS (Approach)	LOS (Overall)	Left Turn Volume Blocked	Left Turn Volume Capacity	% Blocked	Right Turn Volume Blocked	Right Turn Volume Capacity	% Blocked	Right Turn Volume Conflicted	Right Turn Volume Capacity	% Blocked
28. SR58 WB Ramp & H St															
NB - H St	986	957	97%	11.0	**B**		94	101	107%	892	856	96%	0	0	N/A
SB - H St	432	464	107%	25.8	**C**	**B**	0	0	N/A	300	330	110%	132	134	102%
WB - Richland St	297	301	101%	27.8	**C**		100	107	107%	107	103	96%	90	91	101%
Intersection Total	***1,715***	***1,722***	***100%***	***17.9***											
29. SR58 EB Ramp & H St															
NB - H St	909	906	100%	51.5	**D**		0	0	N/A	781	762	98%	126	144	113%
SB - H St	400	437	109%	8.8	**A**	**D**	69	74	107%	331	363	110%	0	0	N/A
EB - SR58 EB Off Ramp	410	388	95%	33.7	**C**		205	195	95%	156	153	98%	49	40	82%
Intersection Total	***1,719***	***1,731***	***101%***	***36.7***											
30. Brundage Ln & Chester Ave															
NB - Chester Ave	730	720	99%	20.2	**C**		75	70	93%	591	598	101%	64	52	81%
SB - Chester Ave	360	359	100%	13.8	**B**	**B**	23	26	113%	250	237	95%	87	96	110%
EB - Brundage Ln	537	525	98%	10.9	**B**		176	174	99%	300	301	100%	61	50	82%
WB - Brundage Ln	318	320	101%	25.1	**C**		47	41	87%	243	246	101%	28	33	118%
Intersection Total	***1,945***	***1,924***	***99%***	***17.3***											
31. SR58 WB Ramp & Chester Ave															
NB - Chester Ave	583	577	99%	6.7	**A**		59	62	105%	524	515	98%	0	0	N/A
SB - Chester Ave	358	320	89%	18.9	**B**	**B**	0	0	N/A	301	264	88%	57	56	98%
WB - Richland St	474	492	104%	24.3	**C**		67	102	117%	181	185	102%	206	205	100%
Intersection Total	***1,415***	***1,389***	***98%***	***15.7***											
32. SR58 EB Ramp & Chester Ave															
NB - Chester Ave	645	637	99%	21.3	**C**		0	0	N/A	489	468	96%	156	169	108%
SB - Chester Ave	388	372	96%	12.5	**B**	**C**	126	116	92%	262	256	98%	0	0	N/A
EB - Frontage Rd	353	374	106%	35.0	**D**		94	100	106%	193	207	107%	66	67	102%
Intersection Total	***1,386***	***1,383***	***100%***	***22.6***											
33. Brundage Ln & Union Ave															
NB - Union Ave	1,522	1,521	100%	53.2	**D**		91	94	103%	1,283	1,296	101%	148	131	89%
SB - Union Ave	1,036	1,053	102%	33.2	**C**	**D**	90	73	81%	891	924	104%	55	56	102%
EB - Brundage Ln	281	281	100%	31.7	**C**		101	106	105%	110	102	93%	70	73	104%
WB - Brundage Ln	775	777	100%	33.4	**C**		270	267	99%	218	222	102%	287	288	100%
Intersection Total	***3,614***	***3,632***	***100%***	***41.5***											
34. SR58 EB Ramp & Union Ave															
NB - Union Ave	1,118	1,119	100%	9.6	**A**		0	0	N/A	919	919	100%	199	200	101%
SB - Union Ave	816	841	103%	8.9	**A**	**B**	0	0	N/A	816	841	103%	0	0	N/A
EB - SR58 EB Off Ramp	821	816	99%	16.4	**B**		603	600	100%	0	0	N/A	218	216	99%
Intersection Total	***2,755***	***2,776***	***101%***	***11.4***											
35. Brundage Ln & SR58 WB Ramps															
NB - SR58 WB Off Ramp	509	503	99%	30.3	**C**		468	464	99%	34	34	100%	7	5	71%
SB - Liggett St	73	73	100%	13.4	**B**	**C**	2	3	150%	32	28	88%	39	42	108%
EB - Brundage Ln	341	303	89%	20.4	**C**		18	19	106%	236	211	89%	87	73	84%
WB - Brundage Ln	374	373	100%	25.2	**C**		77	83	108%	289	282	98%	8	8	100%
Intersection Total	***1,297***	***1,252***	***97%***	***25.4***											

BAKERSFIELD CENTENNIAL CORRIDOR TRAFFIC OPERATIONS ANALYSIS

EXSITING INTERSECTION ANALYSIS RESULTS - AM PEAK

Scenario Name and Description: TruckLns_Off_On (VEH normal distribution, CFS-30%, PCFC-30%)

Intersection	Peak Hour Volume (veh)	Peak Hour Volume (veh)	Volume to Capacity (v/c)	Control Delay (seconds)	LOS (Approach)	LOS (Overall)	Left Turn Volume (veh)	Left Turn Volume (veh)	% Change	Through Volume (veh)	Through Volume (veh)	% Change	Right Turn Volume (veh)	Right Turn Volume (veh)	% Change
1. Airport Dr & State Rd/SR204 WB Ramp															
NB - Airport Dr	930	957	103%	22.5	C	C	121	123	102%	809	834	103%	0	0	N/A
SB - Airport Dr	1,002	1,002	100%	40.1	D		0	0	N/A	972	987	102%	30	15	50%
EB - State Rd	194	190	98%	15.8	B		39	33	85%	0	0	N/A	155	157	101%
WB - SR204 WB Off Ramp	654	630	96%	41.5	D		485	474	98%	57	55	96%	112	101	90%
Intersection Total	***2,780***	***2,779***	***100%***	***32.7***											
2. Buck Owens Blvd & SR99 NB Ramp															
NB - SR99 NB Off Ramp	1,508	1,484	98%	14.0	B	B	0	0	N/A	1,430	1,399	98%	78	85	109%
WB - Buck Owens Blvd	319	314	98%	19.5	B		0	0	N/A	0	0	N/A	319	314	98%
Intersection Total	***1,827***	***1,798***	***98%***	***15.0***											
3. Rio Mirada Dr & Buck Owens Blvd															
NB - Buck Owens Blvd	300	303	101%	15.2	B	C	30	27	90%	245	249	102%	25	27	108%
SB - Buck Owens Blvd	97	103	106%	29.1	C		65	69	106%	32	34	106%	0	0	N/A
EB - Rio Mirada Dr	665	645	97%	29.5	C		11	14	127%	185	177	96%	469	454	97%
WB - Rio Mirada Dr	136	138	101%	20.9	C		20	21	105%	46	54	117%	70	63	90%
Intersection Total	***1,198***	***1,189***	***99%***	***24.8***											
4. SR99 NB Ramps/Sillect Ave & Buck Owens Blvd															
NB - Buck Owens Blvd	746	734	98%	47.5	D	D	190	179	94%	320	333	104%	236	222	94%
SB - Buck Owens Blvd	423	424	100%	41.2	D		46	39	85%	286	281	98%	91	104	114%
EB - SR99 NB Off Ramp	822	814	99%	32.7	C		495	505	102%	224	213	95%	103	96	93%
WB - Sillect Ave	177	179	101%	53.1	D		130	130	100%	25	26	104%	22	23	105%
Intersection Total	***2,168***	***2,151***	***99%***	***41.1***											
5. Rosedale Hwy & Camino del Rio Ct															
NB - Camino del Rio Ct	186	188	101%	36.0	D	C	19	31	163%	4	2	50%	163	155	95%
SB - Camino del Rio Ct	117	118	101%	47.8	D		76	82	108%	4	4	100%	37	32	86%
EB - Rosedale Hwy	2,189	2,190	100%	22.2	C		38	35	92%	2,135	2,155	101%	16	0	0%
WB - Rosedale Hwy	2,046	1,959	96%	16.3	B		191	188	98%	1,767	1,690	96%	88	81	92%
Intersection Total	***4,538***	***4,455***	***98%***	***20.9***											
6. Rosedale Hwy & SR99 SB Ramp															
SB - SR99 SB Off Ramp	585	551	94%	25.2	C	B	296	287	97%	0	0	N/A	289	264	91%
EB - Rosedale Hwy	1,457	1,459	100%	9.8	A		0	0	N/A	1,457	1,459	100%	0	0	N/A
WB - Rosedale Hwy	1,757	1,707	97%	23.5	C		0	0	N/A	1,757	1,707	97%	0	0	N/A
Intersection Total	***3,799***	***3,717***	***98%***	***18.4***											
7. Rosedale Hwy & SR99 NB Ramp/Buck Owens Blvd															
NB - SR99 NB Off Ramp	1,730	1,696	98%	50.3	D	D	825	808	98%	0	0	N/A	905	888	98%
SB - Buck Owens Blvd	456	371	81%	126.5	F		179	116	65%	0	0	N/A	277	255	92%
EB - Rosedale Hwy	1,753	1,659	95%	55.7	E		323	333	103%	1,430	1,326	93%	0	0	N/A
WB - 24th St	1,750	1,766	101%	28.3	C		0	0	N/A	1,353	1,399	103%	397	367	92%
Intersection Total	***5,689***	***5,492***	***97%***	***50.0***											
8. 24th St & Oak St															
NB - Oak St	819	825	101%	44.3	D	F	319	322	101%	16	22	138%	484	481	99%
SB - Oak St	55	55	100%	59.2	E		21	27	129%	17	13	76%	17	15	88%
EB - 24th St	2,514	2,214	88%	152.1	F		33	33	100%	1,920	1,566	83%	561	595	106%
WB - 24th St	2,036	2,009	99%	38.3	D		603	577	96%	1,414	1,432	101%	19	0	0%
Intersection Total	***5,424***	***5,103***	***94%***	***88.9***											
9. California Ave & Chester Ln															
NB - Chester Ln	134	130	97%	31.3	C	C	74	66	89%	25	17	68%	35	47	134%
SB - Chester Ln	136	133	98%	31.7	C		115	102	89%	11	18	164%	10	13	130%
EB - California Ave	1,014	1,030	102%	22.2	C		24	33	138%	973	989	102%	17	8	47%
WB - California Ave	1,519	1,572	103%	36.1	D		26	34	131%	1,439	1,498	104%	54	40	74%
Intersection Total	***2,803***	***2,865***	***102%***	***30.7***											
10. California Ave & SR99 SB Ramps/Real Rd															
NB - Real Rd	347	344	99%	55.7	E	C	72	75	104%	42	35	83%	233	234	100%
SB - SR99 SB Off Ramp	1,077	1,065	99%	30.3	C		256	255	100%	113	96	85%	708	714	101%
EB - California Ave	1,182	1,193	101%	32.6	C		114	98	86%	1,027	1,062	103%	41	33	80%
WB - California Ave	963	997	104%	21.6	C		89	106	119%	874	891	102%	0	0	N/A
Intersection Total	***3,569***	***3,599***	***101%***	***31.1***											
11. California Ave & SR99 NB Ramps															
NB - SR99 NB Off Ramp	1,131	1,068	94%	13.3	B	D	391	351	90%	27	17	63%	713	700	98%
SB - Extended Stay Hotel	43	41	95%	33.2	C		17	18	106%	0	0	N/A	26	23	88%
EB - California Ave	1,060	1,096	103%	43.4	D		22	35	159%	1,038	1,061	102%	0	0	N/A
WB - California Ave	964	947	98%	66.2	E		0	0	N/A	955	947	99%	9	0	0%
Intersection Total	***3,198***	***3,152***	***99%***	***39.9***											
12. California Ave & Oak St															
NB - Oak St	904	897	99%	35.5	D	C	198	193	97%	652	652	100%	54	52	96%
SB - Oak St	607	617	102%	22.3	C		112	118	105%	225	244	108%	270	255	94%
EB - California Ave	1,745	1,765	101%	19.8	B		718	777	108%	928	895	96%	99	93	94%
WB - California Ave	676	682	101%	25.2	C		34	40	118%	483	479	99%	159	163	103%
Intersection Total	***3,932***	***3,961***	***101%***	***24.7***											
13. Stockdale Hwy & Real Rd															
NB - Real Rd	787	795	101%	43.0	D	E	600	606	101%	138	130	94%	49	59	120%
SB - Real Rd	280	274	98%	34.3	C		16	14	88%	185	177	96%	79	83	105%
EB - Stockdale Hwy	1,476	1,428	97%	71.5	E		79	90	114%	761	703	92%	636	635	100%
WB - Stockdale Hwy	855	898	105%	56.8	E		129	164	127%	702	722	103%	24	12	50%
Intersection Total	***3,398***	***3,395***	***100%***	***57.9***											

BAKERSFIELD CENTENNIAL CORRIDOR TRAFFIC OPERATIONS ANALYSIS

EXSITING INTERSECTION ANALYSIS RESULTS - AM PEAK

Scenario Name and Description: TruckLns_Off_On (VEH normal distribution, CFS-30%, PCFC-30%)

Location	Baseline Volume (veh)	Corridor Scenario Volume (veh)	% Baseline Volume	Control Delay (sec/veh)	LOS (movement)	LOS (intersection)	Left Turn Volume (veh) Baseline	Left Turn Volume (veh) Corridor Scenario	Left Turn Volume (veh) % Baseline	Through Volume (veh) Baseline	Through Volume (veh) Corridor Scenario	Through Volume (veh) % Baseline	Right Turn Volume (veh) Baseline	Right Turn Volume (veh) Corridor Scenario	Right Turn Volume (veh) % Baseline
14. Stockdale Hwy & SR99 SB Ramp															
SB - SR99 SB Off Ramp	371	385	104%	9.6	A		80	90	113%	0	0	N/A	291	295	101%
EB - Stockdale Hwy	765	747	98%	6.0	A	B	0	0	N/A	765	747	98%	0	0	N/A
WB - Stockdale Hwy	654	646	99%	31.2	C		0	0	N/A	654	646	99%	0	0	N/A
Intersection Total	***1,790***	***1,778***	***99%***	***15.9***											
15. Stockdale Hwy & Oak St/Wible Rd															
NB - Wible Rd	728	745	102%	20.6	C		188	193	103%	393	400	102%	147	152	103%
SB - Oak St	336	335	100%	22.7	C	C	37	35	95%	153	156	102%	146	144	99%
EB - Stockdale Hwy	845	796	94%	22.1	C		131	125	95%	434	396	91%	280	275	98%
WB - Stockdale Hwy	452	447	99%	32.3	C		77	84	109%	320	301	94%	55	62	113%
Intersection Total	***2,361***	***2,323***	***98%***	***23.7***											
16. SR58 Ramps & Real Rd															
NB - Real Rd	517	515	100%	21.6	C		0	0	N/A	148	151	102%	369	364	99%
SB - Real Rd	950	977	103%	32.4	C	C	832	870	105%	118	107	91%	0	0	N/A
WB - SR58 WB	929	928	100%	14.2	B		290	278	96%	0	0	N/A	639	650	102%
Intersection Total	***2,396***	***2,420***	***101%***	***23.1***											
17. SR99 NB Ramps & Wible Rd															
NB - Wible Rd	698	695	100%	15.1	B		220	218	99%	478	477	100%	0	0	N/A
SB - Wible Rd	510	520	102%	17.5	B	B	0	0	N/A	240	268	112%	270	252	93%
EB - SR99 NB Off Ramp	257	285	111%	29.4	C		250	277	111%	0	0	N/A	7	8	114%
Intersection Total	***1,465***	***1,500***	***102%***	***18.6***											
18. Ming Ave & Real Rd															
NB - Real Rd	311	309	99%	24.2	C		70	68	97%	107	95	89%	134	146	109%
SB - Real Rd	295	293	99%	27.5	C	C	96	93	97%	99	91	92%	100	109	109%
EB - Ming Ave	1,623	1,611	99%	29.6	C		99	116	117%	1,468	1,452	99%	56	43	77%
WB - Ming Ave	1,168	1,162	99%	17.4	B		78	85	109%	1,050	1,047	100%	40	30	75%
Intersection Total	***3,397***	***3,375***	***99%***	***24.7***											
19. Ming Ave & SR99 SB Ramps															
EB - Ming Ave	1,732	1,700	98%	19.9	B	B	0	0	N/A	1,547	1,518	98%	185	182	98%
WB - Ming Ave	653	634	97%	0.7	A		60	59	98%	593	575	97%	0	0	N/A
Intersection Total	***2,385***	***2,334***	***98%***	***14.7***											
20. Ming Ave & Wible Rd															
NB - Wible Rd	601	598	100%	32.1	C		55	58	105%	286	280	98%	260	260	100%
SB - Wible Rd	236	231	98%	30.2	C	D	32	34	106%	126	126	100%	78	71	91%
EB - Ming Ave	1,826	1,794	98%	46.3	D		153	131	86%	1,457	1,469	101%	216	194	90%
WB - Ming Ave	612	606	99%	23.8	C		39	38	97%	520	513	99%	53	55	104%
Intersection Total	***3,275***	***3,229***	***99%***	***38.3***											
21. Ming Ave & SR99 NB Ramps															
NB - Sears	48	48	100%	46.7	D		8	8	100%	30	34	113%	10	6	60%
SB - SR99 SB Off Ramp	297	281	95%	14.4	B	C	74	75	101%	19	15	79%	204	191	94%
EB - Ming Ave	1,749	1,789	102%	24.3	C		1,065	1,136	107%	644	614	95%	40	39	98%
WB - Ming Ave	578	646	112%	29.0	C		8	11	138%	400	434	109%	170	201	118%
Intersection Total	***2,672***	***2,764***	***103%***	***24.8***											
22. Ming Ave & Castro Ln															
NB - Castro Ln	24	23	96%	23.4	C		18	18	100%	6	5	83%	0	0	N/A
SB - Castro Ln	130	128	98%	15.8	B	C	39	37	95%	6	4	67%	85	87	102%
EB - Ming Ave	728	692	95%	19.0	B		57	52	91%	639	613	96%	32	27	84%
WB - Ming Ave	649	641	99%	33.5	C		12	9	75%	605	603	100%	32	29	91%
Intersection Total	***1,531***	***1,484***	***97%***	***25.1***											
23. White Ln & Wible Rd															
NB - Wible Rd	671	673	100%	22.4	C		73	57	78%	231	229	99%	367	387	105%
SB - Wible Rd	481	482	100%	31.9	C	C	191	179	94%	203	217	107%	87	86	99%
EB - White Ln	1,754	1,754	100%	38.6	D		110	131	119%	1,556	1,548	99%	88	75	85%
WB - White Ln	1,561	1,537	98%	28.1	C		326	258	79%	1,084	1,131	104%	151	148	98%
Intersection Total	***4,467***	***4,446***	***100%***	***31.8***											
24. White Ln & SR99 SB Ramps															
SB - SR99 SB Off Ramp	1,347	1,331	99%	30.2	C		325	335	103%	0	0	N/A	1,022	996	97%
EB - White Ln	1,975	2,033	103%	6.3	A	B	0	0	N/A	1,975	2,033	103%	0	0	N/A
WB - White Ln	539	568	105%	18.1	B		0	0	N/A	539	568	105%	0	0	N/A
Intersection Total	***3,861***	***3,932***	***102%***	***16.1***											
25. White Ln & SR99 NB Ramps															
NB - SR99 NB Off Ramp	202	215	106%	8.5	A		109	117	107%	0	0	N/A	93	98	105%
EB - White Ln	729	762	105%	7.6	A	A	0	0	N/A	729	762	105%	0	0	N/A
WB - White Ln	541	572	106%	4.9	A		0	0	N/A	541	572	106%	0	0	N/A
Intersection Total	***1,472***	***1,549***	***105%***	***6.7***											
26. White Ln & Hughes Ln															
NB - Hughes Ln	507	506	100%	28.0	C		296	301	102%	183	178	97%	28	27	96%
SB - Hughes Ln	301	295	98%	26.8	C	D	52	63	121%	104	94	90%	145	138	95%
EB - White Ln	991	937	95%	42.9	D		143	132	92%	683	658	96%	165	147	89%
WB - White Ln	763	766	100%	36.5	D		34	26	76%	682	682	100%	47	58	123%
Intersection Total	***2,562***	***2,504***	***98%***	***36.0***											
27. Brundage Ln & H St															
NB - H St	982	949	97%	20.5	C		81	88	109%	705	699	99%	196	162	83%
SB - H St	315	317	101%	19.7	B	B	23	23	100%	261	271	104%	31	23	74%
EB - Brundage Ln	472	472	100%	20.9	C		75	64	85%	347	353	102%	50	55	110%
WB - Brundage Ln	384	400	104%	11.1	B		121	141	117%	244	245	100%	19	14	74%
Intersection Total	***2,153***	***2,138***	***99%***	***18.7***											

BAKERSFIELD CENTENNIAL CORRIDOR TRAFFIC OPERATIONS ANALYSIS

EXSITING INTERSECTION ANALYSIS RESULTS - AM PEAK

Scenario Name and Description: TruckLns_Off_On (VEH normal distribution, CFS-30%, PCFC-30%)

Location	Approach Volume (vph)	Capacity Volume (vph)	% Capacity Volume	Approach Delay (sec/veh)	LOS (Approach)	LOS (Overall)	Left Turn Volume (vph) Approach	Capacity Volume	% Capacity	Through Volume (vph) Approach	Capacity Volume	% Capacity	Right Turn Volume (vph) Approach	Capacity Volume	% Capacity
26. SR58 WB Ramp & H St															
NB - H St	986	965	98%	10.4	B		94	101	107%	892	864	97%	0	0	N/A
SB - H St	432	465	108%	25.5	C	B	0	0	N/A	300	330	110%	132	135	102%
WB - Richland St	297	273	92%	27.9	C		100	97	97%	107	95	89%	90	81	90%
Intersection Total	***1,715***	***1,703***	***99%***	***17.3***											
28. SR58 EB Ramp & H St															
NB - H St	909	904	99%	45.7	D		0	0	N/A	781	760	97%	128	144	113%
SB - H St	400	427	107%	6.6	A	C	69	74	107%	331	353	107%	0	0	N/A
EB - SR58 EB Off Ramp	410	410	100%	35.8	D		205	205	100%	156	166	106%	49	39	80%
Intersection Total	***1,719***	***1,741***	***101%***	***34.3***											
30. Brundage Ln & Chester Ave															
NB - Chester Ave	730	700	96%	21.4	C		75	65	87%	591	584	99%	64	51	80%
SB - Chester Ave	360	359	100%	13.5	B	B	23	26	113%	250	236	94%	87	97	111%
EB - Brundage Ln	537	524	98%	11.7	B		176	175	99%	300	300	100%	61	49	80%
WB - Brundage Ln	318	320	101%	25.1	C		47	41	87%	243	246	101%	28	33	118%
Intersection Total	***1,945***	***1,903***	***98%***	***17.9***											
31. SR58 WB Ramp & Chester Ave															
NB - Chester Ave	583	579	99%	6.8	A		59	62	105%	524	517	99%	0	0	N/A
SB - Chester Ave	358	317	89%	19.3	B	B	0	0	N/A	301	262	87%	57	55	96%
WB - Richland St	474	427	90%	23.0	C		87	84	97%	181	159	88%	206	184	89%
Intersection Total	***1,415***	***1,323***	***93%***	***15.0***											
32. SR58 EB Ramp & Chester Ave															
NB - Chester Ave	645	637	99%	21.2	C		0	0	N/A	489	468	96%	156	169	108%
SB - Chester Ave	388	352	91%	13.3	B	C	126	115	91%	262	237	90%	0	0	N/A
EB - Frontage Rd	353	386	109%	34.0	C		94	102	109%	193	215	111%	66	69	105%
Intersection Total	***1,386***	***1,375***	***99%***	***22.8***											
33. Brundage Ln & Union Ave															
NB - Union Ave	1,522	1,534	101%	58.5	E		91	90	99%	1,283	1,311	102%	148	133	90%
SB - Union Ave	1,036	1,054	102%	33.1	C	D	90	73	81%	891	924	104%	55	57	104%
EB - Brundage Ln	281	281	100%	31.7	C		101	107	106%	110	101	92%	70	73	104%
WB - Brundage Ln	775	784	101%	31.2	C		270	262	97%	218	227	104%	287	295	103%
Intersection Total	***3,614***	***3,653***	***101%***	***43.3***											
34. SR58 EB Ramp & Union Ave															
NB - Union Ave	1,118	1,119	100%	9.5	A		0	0	N/A	919	915	100%	199	204	103%
SB - Union Ave	816	834	102%	9.4	A	B	0	0	N/A	816	834	102%	0	0	N/A
EB - SR58 EB Off Ramp	821	859	105%	16.3	B		603	625	104%	0	0	N/A	218	234	107%
Intersection Total	***2,755***	***2,812***	***102%***	***12.2***											
35. Brundage Ln & SR58 WB Ramps															
NB - SR58 WB Off Ramp	509	518	102%	28.1	C		468	478	102%	34	35	103%	7	5	71%
SB - Liggett St	73	73	100%	13.4	B	C	2	3	150%	32	28	88%	39	42	108%
EB - Brundage Ln	341	304	89%	20.7	C		18	19	106%	236	210	89%	87	75	86%
WB - Brundage Ln	374	373	100%	24.9	C		77	83	108%	289	282	98%	8	8	100%
Intersection Total	***1,297***	***1,268***	***98%***	***24.5***											

BAKERSFIELD CENTENNIAL CORRIDOR TRAFFIC OPERATIONS ANALYSIS

EXSITING INTERSECTION ANALYSIS RESULTS - AM PEAK

Scenario Name and Description: TruckLns_Off_On_CFSM_Final (VEH normal distribution, CFS-30%, PCFC-30%)

Intersection	Peak Hour Volume (VEH)	Corridor Scenario Volume (VEH)	% Variance in Volume	Control Delay (sec/veh)	LOS (Approach)	LOS (Intersection)	Left Turn Volume (VEH)	Corridor Scenario	% Variance	Through Volume (VEH)	Corridor Scenario	% Variance	Right Turn Volume (VEH)	Corridor Scenario	% Variance
1. Airport Dr & State Rd/SR204 WB Ramp															
NB - Airport Dr	930	943	101%	23.7	C	C	121	134	110%	809	809	100%	0	0	N/A
SB - Airport Dr	1,002	1,005	100%	39.6	D		0	0	N/A	972	985	101%	30	20	66%
EB - State Rd	194	191	99%	17.1	B		39	39	101%	0	0	N/A	155	152	98%
WB - SR204 WB Off Ramp	654	651	100%	41.2	D		485	494	102%	57	54	95%	112	103	92%
Intersection Total	***2,780***	***2,791***	***100%***	***33.1***											
2. Buck Owens Blvd & SR99 NB Ramp															
NB - SR99 NB Off Ramp	1,508	1,495	99%	14.2	B	B	0	0	N/A	1,430	1,415	99%	78	80	103%
WB - Buck Owens Blvd	319	323	101%	19.2	B		0	0	N/A	0	0	N/A	319	323	101%
Intersection Total	***1,827***	***1,818***	***100%***	***15.1***											
3. Rio Mirada Dr & Buck Owens Blvd															
NB - Buck Owens Blvd	300	303	101%	14.9	B	C	30	27	89%	245	254	104%	25	22	87%
SB - Buck Owens Blvd	97	99	102%	25.3	C		65	67	103%	32	32	99%	0	0	N/A
EB - Rio Mirada Dr	665	667	100%	26.4	C		11	13	117%	185	184	100%	469	470	100%
WB - Rio Mirada Dr	136	136	100%	19.8	B		20	21	103%	46	48	105%	70	67	95%
Intersection Total	***1,198***	***1,204***	***101%***	***22.7***											
4. SR99 NB Ramps/Sillect Ave & Buck Owens Blvd															
NB - Buck Owens Blvd	746	752	101%	45.5	D	D	190	186	98%	320	324	101%	236	242	102%
SB - Buck Owens Blvd	423	425	100%	39.2	D		46	44	97%	286	287	100%	91	94	103%
EB - SR99 NB Off Ramp	822	813	99%	32.6	C		495	490	99%	224	227	101%	103	96	93%
WB - Sillect Ave	177	178	101%	50.3	D		130	135	104%	25	18	73%	22	25	115%
Intersection Total	***2,168***	***2,168***	***100%***	***39.8***											
5. Rosedale Hwy & Camino del Rio Ct															
NB - Camino del Rio Ct	186	186	100%	31.2	C	C	19	24	126%	4	6	143%	163	157	96%
SB - Camino del Rio Ct	117	117	100%	40.0	D		76	75	99%	4	5	123%	37	37	99%
EB - Rosedale Hwy	2,189	2,188	100%	21.8	C		38	41	108%	2,135	2,147	101%	16	0	0%
WB - Rosedale Hwy	2,046	2,028	99%	15.9	B		191	184	95%	1,767	1,763	100%	88	81	92%
Intersection Total	***4,538***	***4,519***	***100%***	***20.0***											
6. Rosedale Hwy & SR99 SB Ramp															
SB - SR99 SB Off Ramp	585	590	101%	29.2	C	B	296	302	102%	0	0	N/A	289	288	100%
EB - Rosedale Hwy	1,457	1,470	101%	9.5	A		0	0	N/A	1,457	1,470	101%	0	0	N/A
WB - Rosedale Hwy	1,757	1,754	100%	22.3	C		0	0	N/A	1,757	1,754	100%	0	0	N/A
Intersection Total	***3,799***	***3,814***	***100%***	***18.4***											
7. Rosedale Hwy & SR99 NB Ramp/Buck Owens Blvd															
NB - SR99 NB Off Ramp	1,730	1,679	97%	61.9	E	D	825	827	100%	0	0	N/A	905	852	94%
SB - Buck Owens Blvd	456	420	92%	55.3	E		179	139	78%	0	0	N/A	277	281	101%
EB - Rosedale Hwy	1,753	1,726	99%	31.7	C		323	335	104%	1,430	1,393	97%	0	0	N/A
WB - 24th St	1,750	1,796	103%	27.5	C		0	0	N/A	1,353	1,410	104%	397	387	97%
Intersection Total	***5,689***	***5,623***	***99%***	***41.1***											
8. 24th St & Oak St															
NB - Oak St	819	820	100%	42.9	D	E	319	330	103%	16	16	100%	484	474	98%
SB - Oak St	55	56	101%	61.7	E		21	19	89%	17	17	99%	17	20	118%
EB - 24th St	2,514	2,281	91%	128.4	F		33	34	102%	1,920	1,605	84%	561	642	115%
WB - 24th St	2,036	2,020	99%	38.6	D		603	589	98%	1,414	1,432	101%	19	0	0%
Intersection Total	***5,424***	***5,177***	***95%***	***79.1***											
9. California Ave & Chester Ln															
NB - Chester Ln	134	132	98%	35.0	D	C	74	75	102%	25	25	98%	35	32	91%
SB - Chester Ln	136	133	98%	31.0	C		115	115	100%	11	11	101%	10	7	70%
EB - California Ave	1,014	1,030	102%	22.7	C		24	29	119%	973	990	102%	17	11	67%
WB - California Ave	1,519	1,562	103%	35.7	D		26	29	112%	1,439	1,484	103%	54	49	90%
Intersection Total	***2,803***	***2,856***	***102%***	***30.8***											
10. California Ave & SR99 SB Ramps/Real Rd															
NB - Real Rd	347	343	99%	55.5	E	C	72	73	101%	42	43	102%	233	228	98%
SB - SR99 SB Off Ramp	1,077	1,083	101%	31.7	C		256	256	100%	113	102	91%	708	725	102%
EB - California Ave	1,182	1,194	101%	31.6	C		114	131	115%	1,027	1,028	100%	41	34	84%
WB - California Ave	963	971	101%	21.6	C		89	92	103%	874	879	101%	0	0	N/A
Intersection Total	***3,569***	***3,590***	***101%***	***31.2***											
11. California Ave & SR99 NB Ramps															
NB - SR99 NB Off Ramp	1,131	1,068	94%	13.3	B	D	391	358	92%	27	26	96%	713	684	96%
SB - Extended Stay Hotel	43	42	99%	40.9	D		17	19	112%	0	0	N/A	26	23	90%
EB - California Ave	1,060	1,075	101%	40.6	D		22	32	144%	1,038	1,044	101%	0	0	N/A
WB - California Ave	964	966	100%	95.6	F		0	0	N/A	955	966	101%	9	0	0%
Intersection Total	***3,198***	***3,152***	***99%***	***48.2***											
12. California Ave & Oak St															
NB - Oak St	904	880	97%	61.7	E	C	198	174	88%	652	665	102%	54	41	76%
SB - Oak St	607	618	102%	37.3	D		112	122	109%	225	223	99%	270	273	101%
EB - California Ave	1,745	1,727	99%	17.6	B		718	774	108%	928	866	93%	99	87	88%
WB - California Ave	676	686	101%	27.3	C		34	35	102%	483	509	105%	159	142	89%
Intersection Total	***3,932***	***3,911***	***99%***	***32.3***											
13. Stockdale Hwy & Real Rd															
NB - Real Rd	787	799	102%	43.5	D	E	600	619	103%	138	127	92%	49	53	109%
SB - Real Rd	280	276	98%	34.6	C		16	13	82%	185	190	103%	79	73	92%
EB - Stockdale Hwy	1,476	1,366	93%	74.6	E		79	79	100%	761	705	93%	636	582	91%
WB - Stockdale Hwy	855	903	106%	59.8	E		129	156	121%	702	731	104%	24	17	70%
Intersection Total	***3,398***	***3,344***	***98%***	***59.9***											

BAKERSFIELD CENTENNIAL CORRIDOR TRAFFIC OPERATIONS ANALYSIS

EXSITING INTERSECTION ANALYSIS RESULTS - AM PEAK

Scenario Name and Description: TruckLns_Off_On_CFSM_Final (VEH normal distribution, CFS-30%, PCFC-30%)

Location	Volume (vph)	Volume (vph)	% Change in Volume	Control Delay (seconds)	LOS Approach	LOS Intersection	Volume (vph)	Volume (vph)	% Change	Volume (vph)	Volume (vph)	% Change	Volume (vph)	Volume (vph)	% Change
14. Stockdale Hwy & SR99 SB Ramp															
SB - SR99 SB Off Ramp	371	378	102%	10.4	B		80	83	104%	0	0	N/A	291	296	102%
EB - Stockdale Hwy	765	741	97%	6.4	A	B	0	0	N/A	765	741	97%	0	0	N/A
WB - Stockdale Hwy	654	650	99%	30.8	C		0	0	N/A	654	650	99%	0	0	N/A
Intersection Total	***1,790***	***1,769***	***99%***	***16.2***											
15. Stockdale Hwy & Oak St/Wible Rd															
NB - Wible Rd	728	733	101%	22.1	C		168	189	101%	393	409	104%	147	134	91%
SB - Oak St	336	331	98%	24.3	C	C	37	35	95%	153	162	106%	146	134	92%
EB - Stockdale Hwy	845	787	93%	21.5	C		131	134	102%	434	391	90%	280	262	94%
WB - Stockdale Hwy	452	447	99%	33.2	C		77	76	99%	320	317	99%	55	54	98%
Intersection Total	***2,361***	***2,298***	***97%***	***24.4***											
16. SR58 Ramps & Real Rd															
NB - Real Rd	517	516	100%	19.6	B		0	0	N/A	148	148	100%	369	368	100%
SB - Real Rd	950	918	97%	34.8	C	C	832	820	99%	118	98	83%	0	0	N/A
WB - SR58 WB	929	946	102%	14.8	B		290	282	97%	0	0	N/A	639	664	104%
Intersection Total	***2,396***	***2,380***	***99%***	***23.6***											
17. SR99 NB Ramps & Wible Rd															
NB - Wible Rd	698	695	100%	15.3	B		220	219	99%	478	476	100%	0	0	N/A
SB - Wible Rd	510	508	100%	18.7	B	B	0	0	N/A	240	234	97%	270	275	102%
EB - SR99 NB Off Ramp	257	264	103%	27.7	C		250	261	104%	0	0	N/A	7	4	50%
Intersection Total	***1,465***	***1,467***	***100%***	***18.7***											
18. Ming Ave & Real Rd															
NB - Real Rd	311	309	99%	23.9	C		70	68	97%	107	115	108%	134	125	94%
SB - Real Rd	295	292	99%	30.0	C	C	96	97	101%	99	102	103%	100	93	93%
EB - Ming Ave	1,623	1,611	99%	30.0	C		99	112	113%	1,468	1,448	99%	56	52	93%
WB - Ming Ave	1,168	1,124	96%	17.4	B		78	77	99%	1,050	1,012	96%	40	35	88%
Intersection Total	***3,397***	***3,336***	***98%***	***25.2***											
19. Ming Ave & SR99 SB Ramps															
EB - Ming Ave	1,732	1,682	97%	19.9	B	B	0	0	N/A	1,547	1,518	98%	185	164	89%
WB - Ming Ave	653	635	97%	0.7	A		60	74	124%	593	560	95%	0	0	N/A
Intersection Total	***2,385***	***2,317***	***97%***	***14.6***											
20. Ming Ave & Wible Rd															
NB - Wible Rd	601	597	99%	32.9	C		55	50	91%	286	294	103%	260	253	97%
SB - Wible Rd	236	232	98%	29.4	C	D	32	34	105%	126	122	97%	78	77	98%
EB - Ming Ave	1,826	1,805	99%	50.1	D		153	161	105%	1,457	1,451	100%	216	193	89%
WB - Ming Ave	612	606	99%	22.8	C		39	35	90%	520	520	100%	53	51	96%
Intersection Total	***3,275***	***3,239***	***99%***	***40.3***											
21. Ming Ave & SR99 NB Ramps															
NB - Sears	48	48	99%	42.0	D		8	9	109%	30	32	108%	10	7	66%
SB - SR99 SB Off Ramp	297	276	93%	18.2	B	C	74	70	95%	19	21	112%	204	185	90%
EB - Ming Ave	1,749	1,754	100%	23.3	C		1,065	1,069	100%	644	652	101%	40	33	82%
WB - Ming Ave	578	638	110%	26.1	C		8	12	155%	400	449	112%	170	177	104%
Intersection Total	***2,672***	***2,716***	***102%***	***23.8***											
22. Ming Ave & Castro Ln															
NB - Castro Ln	24	23	96%	26.7	C		18	15	85%	6	8	130%	0	0	N/A
SB - Castro Ln	130	129	99%	16.6	B	C	39	37	95%	6	7	123%	85	85	100%
EB - Ming Ave	728	726	100%	22.5	C		57	59	103%	639	631	99%	32	37	115%
WB - Ming Ave	649	642	99%	32.5	C		12	13	108%	605	604	100%	32	25	77%
Intersection Total	***1,531***	***1,520***	***99%***	***26.5***											
23. White Ln & Wible Rd															
NB - Wible Rd	671	672	100%	24.0	C		73	71	97%	231	240	104%	367	361	98%
SB - Wible Rd	481	479	100%	32.9	C	C	191	188	98%	203	208	102%	87	83	96%
EB - White Ln	1,754	1,751	100%	36.7	D		110	123	112%	1,556	1,535	99%	88	93	106%
WB - White Ln	1,561	1,501	96%	28.7	C		326	268	82%	1,084	1,091	101%	151	142	94%
Intersection Total	***4,467***	***4,402***	***99%***	***32.4***											
24. White Ln & SR99 SB Ramps															
SB - SR99 SB Off Ramp	1,347	1,321	98%	29.9	C		325	327	100%	0	0	N/A	1,022	994	97%
EB - White Ln	1,975	2,011	102%	6.1	A	B	0	0	N/A	1,975	2,011	102%	0	0	N/A
WB - White Ln	539	542	100%	18.2	B		0	0	N/A	539	542	100%	0	0	N/A
Intersection Total	***3,861***	***3,873***	***100%***	***15.9***											
25. White Ln & SR99 NB Ramps															
NB - SR99 NB Off Ramp	202	226	112%	8.1	A		109	120	110%	0	0	N/A	93	106	113%
EB - White Ln	729	757	104%	7.4	A	A	0	0	N/A	729	757	104%	0	0	N/A
WB - White Ln	541	552	102%	4.1	A		0	0	N/A	541	552	102%	0	0	N/A
Intersection Total	***1,472***	***1,535***	***104%***	***6.3***											
26. White Ln & Hughes Ln															
NB - Hughes Ln	507	508	100%	28.8	C		296	309	104%	183	173	95%	28	26	93%
SB - Hughes Ln	301	296	98%	27.1	C	D	52	53	101%	104	98	95%	145	145	100%
EB - White Ln	991	954	96%	44.8	D		143	138	97%	683	658	96%	165	158	96%
WB - White Ln	763	769	101%	35.8	D		34	30	88%	682	688	101%	47	50	107%
Intersection Total	***2,562***	***2,527***	***99%***	***36.8***											
27. Brundage Ln & H St															
NB - H St	982	947	96%	20.0	B		81	93	114%	705	675	96%	196	180	92%
SB - H St	315	316	100%	19.4	B	B	23	27	115%	261	263	101%	31	26	84%
EB - Brundage Ln	472	469	99%	23.0	C		75	76	101%	347	347	100%	50	47	93%
WB - Brundage Ln	384	414	108%	9.9	A		121	133	110%	244	262	108%	19	18	96%
Intersection Total	***2,153***	***2,146***	***100%***	***18.6***											

BAKERSFIELD CENTENNIAL CORRIDOR TRAFFIC OPERATIONS ANALYSIS

EXSITING INTERSECTION ANALYSIS RESULTS - AM PEAK

Scenario Name and Description: TruckLns_Off_On_CFSM_Final (VEH normal distribution, CFS-30%, PCFC-30%)

Location	Demand Volume (vph)	Actual Output Volume (vph)	% Demand Served	Overall Delay (sec/veh)	LOS (Approach)	LOS (Overall)	Left Turn Volume (vph) Demand	Left Turn Volume (vph) Output	% Served	Through Volume (vph) Demand	Through Volume (vph) Output	% Served	Right Turn Volume (vph) Demand	Right Turn Volume (vph) Output	% Served
28. SR58 WB Ramp & H St															
NB - H St	986	955	97%	10.9	B		94	99	105%	892	856	96%	0	0	N/A
SB - H St	432	443	102%	26.6	C	B	0	0	N/A	300	310	103%	132	133	100%
WB - Richland St	297	282	95%	28.2	C		100	91	91%	107	105	98%	90	87	96%
Intersection Total	*1,715*	*1,679*	*98%*	*17.9*											
29. SR58 EB Ramp & H St															
NB - H St	909	904	99%	38.2	D		0	0	N/A	781	773	99%	128	131	103%
SB - H St	400	401	100%	8.0	A	C	69	67	97%	331	334	101%	0	0	N/A
EB - SR58 EB Off Ramp	410	364	89%	33.7	C		205	182	89%	156	143	92%	49	39	80%
Intersection Total	*1,719*	*1,669*	*97%*	*30.0*											
30. Brundage Ln & Chester Ave															
NB - Chester Ave	730	730	100%	22.3	C		75	89	119%	591	579	98%	64	62	96%
SB - Chester Ave	360	360	100%	14.9	B	B	23	27	117%	250	250	100%	87	83	96%
EB - Brundage Ln	537	540	100%	12.1	B		176	169	96%	300	310	103%	61	61	100%
WB - Brundage Ln	318	315	99%	25.0	C		47	39	82%	243	248	102%	28	28	101%
Intersection Total	*1,945*	*1,945*	*100%*	*18.5*											
31. SR58 WB Ramp & Chester Ave															
NB - Chester Ave	583	588	101%	5.8	A		59	60	101%	524	528	101%	0	0	N/A
SB - Chester Ave	358	342	96%	21.7	C	B	0	0	N/A	301	287	95%	57	55	96%
WB - Richland St	474	455	96%	22.5	C		87	85	98%	181	170	94%	206	200	97%
Intersection Total	*1,415*	*1,385*	*98%*	*15.2*											
32. SR58 EB Ramp & Chester Ave															
NB - Chester Ave	645	636	99%	22.5	C		0	0	N/A	489	487	100%	156	149	96%
SB - Chester Ave	388	377	97%	12.5	B	C	126	116	92%	262	261	100%	0	0	N/A
EB - Frontage Rd	353	343	97%	29.6	C		94	92	98%	193	187	97%	66	64	97%
Intersection Total	*1,386*	*1,356*	*98%*	*21.5*											
33. Brundage Ln & Union Ave															
NB - Union Ave	1,522	1,530	101%	48.6	D		91	98	107%	1,283	1,294	101%	148	139	94%
SB - Union Ave	1,036	1,050	101%	32.8	C	D	90	85	94%	891	905	102%	55	60	109%
EB - Brundage Ln	281	279	99%	29.2	C		101	101	100%	110	117	106%	70	61	88%
WB - Brundage Ln	775	784	101%	35.8	D		270	280	104%	218	226	104%	287	278	97%
Intersection Total	*3,614*	*3,642*	*101%*	*39.8*											
34. SR58 EB Ramp & Union Ave															
NB - Union Ave	1,118	1,117	100%	9.7	A		0	0	N/A	919	924	101%	199	193	97%
SB - Union Ave	816	835	102%	9.2	A	B	0	0	N/A	816	835	102%	0	0	N/A
EB - SR58 EB Off Ramp	821	811	99%	13.0	B		603	601	100%	0	0	N/A	218	210	96%
Intersection Total	*2,755*	*2,763*	*100%*	*10.5*											
35. Brundage Ln & SR58 WB Ramps															
NB - SR58 WB Off Ramp	509	507	100%	28.8	C		468	467	100%	34	37	109%	7	4	53%
SB - Liggett St	73	72	99%	17.9	B	C	2	3	140%	32	34	107%	39	35	90%
EB - Brundage Ln	341	337	98%	20.5	C		18	18	100%	236	231	98%	87	89	102%
WB - Brundage Ln	374	373	100%	24.4	C		77	75	97%	289	291	101%	8	8	94%
Intersection Total	*1,297*	*1,290*	*99%*	*24.7*											

BAKERSFIELD CENTENNIAL S CORRIDOR TRAFFIC OPERATIONS ANALYSIS

EXSITING INTERSECTION ANALYSIS RESULTS - PM PEAK

Scenario Name and Description: TruckLns (VEH normal distribution, CFS-30%, PCFC-30%)

Location	Control Capacity Volume (veh)	Control Capacity Volume (veh)	% Signal Capacity	Control Delay (seconds)	LOS (approach)	LOS (intersection)	Left Turn Volume (veh)	Left Turn Capacity (veh)	% Capacity	Through Volume (veh)	Through Capacity (veh)	% Capacity	Right Turn Volume (veh)	Right Turn Capacity (veh)	% Capacity
1. Airport Dr & State Rd/SR204 WB Ramp															
NB - Airport Dr	1,222	1,210	99%	24.5	C	D	143	130	91%	1,079	1,080	100%	0	0	N/A
SB - Airport Dr	1,150	1,153	100%	41.0	D		0	0	N/A	1,132	1,145	101%	18	8	44%
EB - State Rd	197	196	99%	19.0	B		54	48	89%	0	0	N/A	143	148	103%
WB - SR204 WB Off Ramp	1,042	1,020	98%	45.6	D		613	588	96%	245	232	95%	184	200	109%
Intersection Total	***3,611***	***3,579***	***99%***	***35.5***											
2. Buck Owens Blvd & SR99 NB Ramp															
NB - SR99 NB Off Ramp	1,211	1,138	94%	13.1	B	B	0	0	N/A	1,188	1,127	95%	23	11	48%
WB - Buck Owens Blvd	780	792	102%	22.4	C		0	0	N/A	0	0	N/A	780	792	102%
Intersection Total	***1,991***	***1,930***	***97%***	***16.9***											
3. Rio Mirada Dr & Buck Owens Blvd															
NB - Buck Owens Blvd	699	703	101%	18.9	B	B	108	95	88%	577	594	103%	14	14	100%
SB - Buck Owens Blvd	30	18	60%	30.0	C		16	13	81%	14	5	36%	0	0	N/A
EB - Rio Mirada Dr	264	257	97%	10.0	B		9	14	156%	49	43	88%	206	200	97%
WB - Rio Mirada Dr	313	312	100%	23.5	C		27	25	93%	106	112	106%	180	175	97%
Intersection Total	***1,306***	***1,290***	***99%***	***18.4***											
4. SR99 NB Ramps/Sillect Ave & Buck Owens Blvd															
NB - Buck Owens Blvd	836	722	86%	46.4	D	D	341	312	91%	363	314	87%	132	96	73%
SB - Buck Owens Blvd	615	621	101%	43.4	D		36	34	94%	481	472	98%	98	115	117%
EB - SR99 NB Off Ramp	304	304	100%	38.2	D		161	167	104%	69	74	107%	74	63	85%
WB - Sillect Ave	420	424	101%	44.9	D		336	333	99%	40	45	113%	44	46	105%
Intersection Total	***2,175***	***2,071***	***95%***	***44.0***											
5. Rosedale Hwy & Camino del Rio Ct															
NB - Camino del Rio Ct	159	160	101%	27.9	C	C	18	29	161%	8	6	75%	133	125	94%
SB - Camino del Rio Ct	410	411	100%	46.7	D		342	341	100%	0	0	N/A	68	70	103%
EB - Rosedale Hwy	1,914	1,917	100%	24.3	C		56	52	93%	1,832	1,845	101%	26	20	77%
WB - Rosedale Hwy	2,571	2,455	95%	17.9	B		298	289	97%	1,833	1,733	95%	440	433	98%
Intersection Total	***5,054***	***4,943***	***98%***	***23.1***											
6. Rosedale Hwy & SR99 SB Ramp															
SB - SR99 SB Off Ramp	633	635	100%	24.1	C	C	219	227	104%	0	0	N/A	414	408	99%
EB - Rosedale Hwy	1,116	1,132	101%	13.2	B		0	0	N/A	1,116	1,132	101%	0	0	N/A
WB - Rosedale Hwy	2,157	2,052	95%	31.6	C		0	0	N/A	2,157	2,052	95%	0	0	N/A
Intersection Total	***3,906***	***3,819***	***98%***	***24.9***											
7. Rosedale Hwy & SR99 NB Ramp/Buck Owens Blvd															
NB - SR99 NB Off Ramp	1,043	1,042	100%	68.5	E	F	1,043	1,042	100%	0	0	N/A	0	0	N/A
NB - SR99 NB Off Ramp (free right)	717	716	100%	3.8	A		0	0	N/A	0	0	N/A	717	716	100%
				11.5	B										
NB - SR99 NB Off Ramp	1,760	1,758	100%	83.6	F		1,043	1,042	100%	0	0	N/A	717	716	100%
SB - Buck Owens Blvd	981	960	98%	34.1	C		428	421	98%	0	0	N/A	553	539	97%
EB - Rosedale Hwy	1,335	1,317	99%	93.5	F		435	378	87%	900	939	104%	0	0	N/A
WB - 24th St	2,329	2,179	94%	92.4	F		0	0	N/A	1,828	1,714	94%	501	465	93%
Intersection Total	***6,405***	***6,214***	***97%***	***81.2***											

BAKERSFIELD CENTENNIAL S CORRIDOR TRAFFIC OPERATIONS ANALYSIS
EXSITING INTERSECTION ANALYSIS RESULTS - PM PEAK
Scenario Name and Description: TruckLns (VEH normal distribution, CFS-30%, PCFC-30%)

Location	Demand Volume (veh)	CORSIM Served Volume (veh)	% Demand Served by Model	Average Delay (sec/veh)	LOS (Approach)	LOS (Overall)	Left Turn Volume (veh) Demand	CORSIM Served	% Served	Through Volume (veh) Demand	CORSIM Served	% Served	Right Turn Volume (veh) Demand	CORSIM Served	% Served
8. 24th St & Oak St															
NB - Oak St	1,164	1,104	95%	146.8	F	E	628	595	95%	26	33	127%	510	476	93%
SB - Oak St	76	76	100%	56.7	E		25	24	96%	18	18	100%	33	34	103%
EB - 24th St	2,045	2,037	100%	53.6	D		35	43	123%	1,573	1,543	98%	437	451	103%
WB - 24th St	2,250	2,216	98%	55.3	E		571	562	98%	1,668	1,654	99%	11	0	0%
Intersection Total	***5,535***	***5,433***	***98%***	***73.3***											
9. California Ave & Chester Ln															
NB - Chester Ln	102	100	98%	33.3	C	C	67	63	94%	11	7	64%	24	30	125%
SB - Chester Ln	503	508	101%	32.8	C		404	402	100%	77	82	106%	22	24	109%
EB - California Ave	1,441	1,436	100%	25.5	C		73	95	130%	1,286	1,279	99%	82	62	76%
WB - California Ave	1,574	1,626	103%	22.5	C		67	85	127%	1,440	1,481	103%	67	60	90%
Intersection Total	***3,620***	***3,670***	***101%***	***25.4***											
10. California Ave & SR99 SB Ramps/Real Rd															
NB - Real Rd	336	337	100%	57.2	E	C	74	76	103%	39	35	90%	223	226	101%
SB - SR99 SB Off Ramp	1,027	1,026	100%	35.3	D		256	257	100%	198	207	105%	573	562	98%
EB - California Ave	1,750	1,751	100%	23.0	C		268	278	104%	1,391	1,387	100%	91	86	95%
WB - California Ave	1,345	1,463	109%	30.6	C		189	223	118%	1,156	1,240	107%	0	0	N/A
Intersection Total	***4,458***	***4,577***	***103%***	***30.7***											
11. California Ave & SR99 NB Ramps															
NB - SR99 NB Off Ramp	678	690	102%	21.9	C	B	269	308	107%	13	18	138%	376	364	97%
SB - Extended Stay Hotel	77	75	97%	24.0	C		19	18	95%	0	0	N/A	58	57	98%
EB - California Ave	1,241	1,301	105%	7.2	A		68	95	140%	1,173	1,206	103%	0	0	N/A
WB - California Ave	1,823	1,758	96%	20.9	C		0	0	N/A	1,811	1,758	97%	12	0	0%
Intersection Total	***3,819***	***3,824***	***100%***	***16.5***											
12. California Ave & Oak St															
NB - Oak St	903	890	99%	31.5	C	D	245	243	99%	584	571	98%	74	76	103%
SB - Oak St	1,524	1,502	99%	75.8	E		141	150	106%	696	706	101%	687	646	94%
EB - California Ave	1,443	1,524	106%	34.5	C		495	579	117%	720	740	103%	228	205	90%
WB - California Ave	1,054	1,054	100%	29.9	C		162	163	101%	784	797	102%	108	94	87%
Intersection Total	***4,924***	***4,970***	***101%***	***45.5***											
13. Stockdale Hwy & Real Rd															
NB - Real Rd	706	720	102%	38.8	D	D	556	570	103%	95	88	93%	55	62	113%
SB - Real Rd	321	326	102%	41.3	D		38	29	76%	163	172	106%	120	125	104%
EB - Stockdale Hwy	1,700	1,647	97%	60.0	E		116	111	96%	883	835	95%	701	701	100%
WB - Stockdale Hwy	1,140	1,173	103%	51.9	D		176	198	113%	930	959	103%	34	16	47%
Intersection Total	***3,867***	***3,866***	***100%***	***52.0***											
14. Stockdale Hwy & SR99 SB Ramp															
SB - SR99 SB Off Ramp	446	458	103%	11.6	B	A	136	149	110%	0	0	N/A	310	309	100%
EB - Stockdale Hwy	1,111	1,005	90%	4.1	A		0	0	N/A	1,111	1,005	90%	0	0	N/A
WB - Stockdale Hwy	936	919	98%	10.7	B		0	0	N/A	936	919	98%	0	0	N/A
Intersection Total	***2,493***	***2,382***	***96%***	***8.1***											
15. Stockdale Hwy & Oak St/Wible Rd															
NB - Wible Rd	754	733	97%	31.7	C	C	205	201	98%	392	380	97%	157	152	97%
SB - Oak St	946	956	101%	30.6	C		96	86	90%	629	647	103%	221	223	101%
EB - Stockdale Hwy	1,247	1,227	98%	13.0	B		177	177	100%	614	604	98%	456	446	98%
WB - Stockdale Hwy	771	760	99%	34.1	C		176	175	99%	510	487	95%	85	98	115%
Intersection Total	***3,718***	***3,676***	***99%***	***25.7***											
16. SR58 Ramps & Real Rd															
NB - Real Rd	437	437	100%	21.3	C	C	0	0	N/A	181	177	98%	256	260	102%
SB - Real Rd	1,040	1,051	101%	30.4	C		825	839	102%	215	212	99%	0	0	N/A
WB - SR58 WB	1,083	1,138	105%	20.6	C		558	592	106%	0	0	N/A	525	546	104%
Intersection Total	***2,560***	***2,626***	***103%***	***24.6***											
17. SR99 NB Ramps & Wible Rd															
NB - Wible Rd	731	723	99%	15.4	B	C	219	214	98%	512	509	99%	0	0	N/A
SB - Wible Rd	1,261	1,272	101%	33.3	C		0	0	N/A	919	894	97%	342	378	111%
EB - SR99 NB Off Ramp	268	249	93%	29.4	C		242	229	95%	0	0	N/A	26	20	77%
Intersection Total	***2,260***	***2,244***	***99%***	***27.1***											
18. Ming Ave & Real Rd															
NB - Real Rd	319	314	98%	36.9	D	D	90	86	96%	122	112	92%	107	116	108%
SB - Real Rd	582	595	102%	57.9	E		191	198	104%	165	154	93%	226	243	108%
EB - Ming Ave	1,724	1,732	100%	31.0	C		158	177	112%	1,455	1,456	100%	111	99	89%
WB - Ming Ave	2,029	2,009	99%	39.6	D		171	190	111%	1,792	1,770	99%	66	49	74%
Intersection Total	***4,654***	***4,650***	***100%***	***38.6***											

BAKERSFIELD CENTENNIAL S CORRIDOR TRAFFIC OPERATIONS ANALYSIS

EXSITING INTERSECTION ANALYSIS RESULTS - PM PEAK

Scenario Name and Description: TruckLns (VEH normal distribution, CFS-30%, PCFC-30%)

Location	Demand Volume (vph)	CORSIM Served Volume (vph)	% Served in Model	Control Delay (sec/veh)	LOS (Approach)	LOS (Overall)	Left Turn Volume (vph) Demand	Left Turn CORSIM Served	Left Turn % Served	Through Volume (vph) Demand	Through CORSIM Served	Through % Served	Right Turn Volume (vph) Demand	Right Turn CORSIM Served	Right Turn % Served
19. Ming Ave & SR99 SB Ramps															
EB - Ming Ave	1,829	1,822	100%	17.8	B	B	0	0	N/A	1,582	1,551	98%	247	271	110%
WB - Ming Ave	1,482	1,473	99%	2.5	A		211	223	106%	1,271	1,250	98%	0	0	N/A
Intersection Total	***3,311***	***3,295***	***100%***	***11.0***											
20. Ming Ave & Wible Rd															
NB - Wible Rd	691	700	101%	33.5	C		158	152	96%	315	315	100%	218	233	107%
SB - Wible Rd	852	849	100%	34.7	C	D	190	186	98%	463	462	100%	199	201	101%
EB - Ming Ave	2,264	2,180	96%	47.6	D		196	178	91%	1,685	1,670	99%	383	332	87%
WB - Ming Ave	1,395	1,380	99%	16.5	B		131	153	117%	1,125	1,110	99%	139	117	84%
Intersection Total	***5,202***	***5,109***	***98%***	***35.1***											
21. Ming Ave & SR99 NB Ramps															
NB - Sears	286	291	102%	26.3	C		89	93	104%	151	161	107%	46	37	80%
SB - SR99 SB Off Ramp	403	403	100%	20.6	C	C	96	107	111%	53	42	79%	254	254	100%
EB - Ming Ave	2,093	2,092	100%	17.1	B		766	765	100%	1,047	1,030	98%	280	297	106%
WB - Ming Ave	1,426	1,313	92%	29.5	C		76	88	116%	1,052	948	90%	298	277	93%
Intersection Total	***4,208***	***4,099***	***97%***	***22.1***											
22. Ming Ave & Castro Ln															
NB - Castro Ln	276	272	99%	30.3	C		215	208	97%	16	11	69%	45	53	118%
SB - Castro Ln	186	190	102%	45.5	D	C	62	60	97%	19	15	79%	105	115	110%
EB - Ming Ave	1,189	1,207	102%	17.9	B		91	108	119%	962	972	101%	136	127	93%
WB - Ming Ave	1,021	1,003	98%	26.8	C		86	80	93%	895	893	100%	40	30	75%
Intersection Total	***2,672***	***2,672***	***100%***	***24.5***											
23. White Ln & Wible Rd															
NB - Wible Rd	957	949	99%	100.9	F		163	153	94%	334	340	102%	460	456	99%
SB - Wible Rd	765	768	100%	43.1	D	E	237	221	93%	370	393	106%	158	154	97%
EB - White Ln	1,446	1,384	96%	129.0	F		108	111	103%	1,243	1,187	95%	95	86	91%
WB - White Ln	2,122	2,020	95%	33.9	C		396	327	83%	1,501	1,499	100%	225	194	86%
Intersection Total	***5,290***	***5,121***	***97%***	***73.4***											
24. White Ln & SR99 SB Ramps															
SB - SR99 SB Off Ramp	2,029	1,881	93%	28.7	C		690	654	95%	0	0	N/A	1,339	1,227	92%
EB - White Ln	1,802	1,827	101%	21.1	C	C	0	0	N/A	1,802	1,827	101%	0	0	N/A
WB - White Ln	783	833	106%	24.3	C		0	0	N/A	783	833	106%	0	0	N/A
Intersection Total	***4,614***	***4,541***	***98%***	***24.8***											
25. White Ln & SR99 NB Ramps															
NB - SR99 NB Off Ramp	338	335	99%	10.7	B		190	202	106%	0	0	N/A	148	133	90%
EB - White Ln	1,337	1,325	99%	7.7	A	A	0	0	N/A	1,337	1,325	99%	0	0	N/A
WB - White Ln	732	754	103%	9.6	A		0	0	N/A	732	754	103%	0	0	N/A
Intersection Total	***2,407***	***2,414***	***100%***	***8.7***											
26. White Ln & Hughes Ln															
NB - Hughes Ln	497	497	100%	29.9	C		229	226	99%	183	185	101%	85	86	101%
SB - Hughes Ln	451	456	101%	31.5	C	C	131	128	98%	191	181	95%	129	147	114%
EB - White Ln	1,303	1,357	104%	34.3	C		242	234	97%	828	877	106%	233	246	106%
WB - White Ln	1,041	1,021	98%	35.5	D		106	91	86%	832	834	100%	103	96	93%
Intersection Total	***3,292***	***3,331***	***101%***	***33.6***											
27. Brundage Ln & H St															
NB - H St	627	593	95%	37.8	D		121	118	98%	370	361	98%	136	114	84%
SB - H St	891	864	97%	49.9	D	E	46	43	93%	749	737	98%	96	84	88%
EB - Brundage Ln	565	566	100%	100.7	F		72	65	90%	373	372	100%	120	129	108%
WB - Brundage Ln	666	657	99%	68.7	E		215	207	96%	415	416	100%	36	34	94%
Intersection Total	***2,749***	***2,680***	***97%***	***62.6***											
28. SR58 WB Ramp & H St															
NB - H St	620	583	94%	10.7	B		69	73	106%	551	510	93%	0	0	N/A
SB - H St	1,084	1,069	99%	55.1	E	D	0	0	N/A	883	872	99%	201	197	98%
WB - Richland St	418	430	103%	31.5	C		153	157	103%	189	188	99%	76	85	112%
Intersection Total	***2,122***	***2,082***	***98%***	***37.8***											
29. SR58 EB Ramp & H St															
NB - H St	613	608	99%	22.9	C		0	0	N/A	477	459	96%	136	149	110%
SB - H St	1,036	1,029	99%	5.0	A	B	88	82	93%	948	947	100%	0	0	N/A
EB - SR58 EB Off Ramp	416	351	84%	31.8	C		143	122	85%	138	120	87%	135	109	81%
Intersection Total	***2,065***	***1,988***	***96%***	***15.2***											
30. Brundage Ln & Chester Ave															
NB - Chester Ave	536	515	96%	19.2	B		74	72	97%	402	404	100%	60	39	65%
SB - Chester Ave	1,046	1,044	100%	17.0	B	C	61	53	87%	811	806	99%	174	185	106%
EB - Brundage Ln	567	539	95%	31.0	C		132	124	94%	343	337	98%	92	78	85%
WB - Brundage Ln	552	549	99%	28.4	C		101	98	97%	401	389	97%	50	62	124%
Intersection Total	***2,701***	***2,647***	***98%***	***22.6***											
31. SR58 WB Ramp & Chester Ave															
NB - Chester Ave	470	468	100%	6.8	A		61	64	105%	409	404	99%	0	0	N/A
SB - Chester Ave	1,004	980	98%	19.0	B	B	0	0	N/A	840	802	95%	164	178	109%
WB - Richland St	464	432	93%	31.5	C		144	142	99%	193	178	92%	127	112	88%
Intersection Total	***1,938***	***1,880***	***97%***	***18.8***											
32. SR58 EB Ramp & Chester Ave															
NB - Chester Ave	561	565	101%	18.0	B		0	0	N/A	405	398	98%	156	167	107%
SB - Chester Ave	984	933	95%	12.4	B	B	231	215	93%	753	718	95%	0	0	N/A
EB - Frontage Rd	362	352	97%	27.0	C		65	74	114%	172	163	95%	125	115	92%
Intersection Total	***1,907***	***1,850***	***97%***	***16.9***											
33. Brundage Ln & Union Ave															
NB - Union Ave	1,249	1,257	101%	33.8	C		80	83	104%	881	903	102%	288	271	94%
SB - Union Ave	1,481	1,511	102%	37.1	D	C	104	117	113%	1,302	1,327	102%	75	67	89%
EB - Brundage Ln	416	410	99%	29.9	C		99	99	100%	211	199	94%	106	112	106%
WB - Brundage Ln	745	727	98%	33.5	C		262	264	101%	278	262	94%	205	201	98%
Intersection Total	***3,891***	***3,905***	***100%***	***34.6***											
34. SR58 EB Ramp & Union Ave															
NB - Union Ave	1,122	1,121	100%	9.0	A		0	0	N/A	879	887	101%	243	234	96%
SB - Union Ave	1,105	1,139	103%	10.2	B	A	0	0	N/A	1,105	1,139	103%	0	0	N/A
EB - SR58 EB Off Ramp	557	533	96%	9.7	A		370	356	96%	0	0	N/A	187	177	95%
Intersection Total	***2,784***	***2,793***	***100%***	***9.6***											
35. Brundage Ln & SR58 WB Ramps															
NB - SR58 WB Off Ramp	350	327	93%	27.1	C		303	290	96%	35	28	80%	12	9	75%
SB - Liggett St	77	75	97%	14.5	B	C	5	9	180%	35	22	63%	37	44	119%
EB - Brundage Ln	576	574	100%	19.8	B		32	37	116%	391	389	99%	153	148	97%
WB - Brundage Ln	438	437	100%	25.1	C		61	50	82%	368	378	103%	9	9	100%
Intersection Total	***1,441***	***1,413***	***98%***	***22.8***											

BAKERSFIELD CENTENNIAL S CORRIDOR TRAFFIC OPERATIONS ANALYSIS

EXSITING INTERSECTION ANALYSIS RESULTS - PM PEAK

Scenario Name and Description: TruckLns_Off (VEH normal distribution, CFS-30%, PCFC-30%)

Location	Demand Volume (vph)	CORSIM Output Volume (vph)	% Demand Served	Average Delay (sec/veh)	LOS (Intersection)	LOS (Corridor)	Left Turn Volume (vph) Demand	CORSIM Output	% Served	Through Volume (vph) Demand	CORSIM Output	% Served	Right Turn Volume (vph) Demand	CORSIM Output	% Served
1. Airport Dr & State Rd/SR204 WB Ramp															
NB - Airport Dr	1,222	1,252	102%	23.4	C	D	143	138	97%	1,079	1,114	103%	0	0	N/A
SB - Airport Dr	1,150	1,153	100%	41.2	D		0	0	N/A	1,132	1,145	101%	18	8	44%
EB - State Rd	197	196	99%	19.1	B		54	48	89%	0	0	N/A	143	148	103%
WB - SR204 WB Off Ramp	1,042	1,065	102%	45.7	D		613	616	100%	245	244	100%	184	205	111%
Intersection Total	***3,611***	***3,666***	***102%***	***35.2***											
2. Buck Owens Blvd & SR99 NB Ramp															
NB - SR99 NB Off Ramp	1,211	1,211	100%	13.4	B	B	0	0	N/A	1,188	1,198	101%	23	13	57%
WB - Buck Owens Blvd	780	794	102%	22.7	C		0	0	N/A	0	0	N/A	780	794	102%
Intersection Total	***1,991***	***2,005***	***101%***	***17.1***											
3. Rio Mirada Dr & Buck Owens Blvd															
NB - Buck Owens Blvd	699	703	101%	18.9	B	B	108	95	88%	577	594	103%	14	14	100%
SB - Buck Owens Blvd	30	20	67%	27.8	C		16	14	88%	14	6	43%	0	0	N/A
EB - Rio Mirada Dr	264	294	111%	12.1	B		9	16	178%	49	45	92%	206	233	113%
WB - Rio Mirada Dr	313	312	100%	24.1	C		27	25	93%	106	112	106%	180	175	97%
Intersection Total	***1,306***	***1,329***	***102%***	***18.8***											
4. SR99 NB Ramps/Sillect Ave & Buck Owens Blvd															
NB - Buck Owens Blvd	836	719	86%	45.3	D	D	341	298	87%	363	323	89%	132	98	74%
SB - Buck Owens Blvd	615	621	101%	43.7	D		36	34	94%	481	473	98%	98	114	116%
EB - SR99 NB Off Ramp	304	291	96%	37.6	D		161	156	97%	69	74	107%	74	61	82%
WB - Sillect Ave	420	424	101%	44.4	D		336	333	99%	40	45	113%	44	46	105%
Intersection Total	***2,175***	***2,055***	***94%***	***43.5***											
5. Rosedale Hwy & Camino del Rio Ct															
NB - Camino del Rio Ct	159	160	101%	29.1	C	C	18	29	161%	8	6	75%	133	125	94%
SB - Camino del Rio Ct	410	411	100%	47.2	D		342	341	100%	0	0	N/A	68	70	103%
EB - Rosedale Hwy	1,914	1,919	100%	24.3	C		56	52	93%	1,832	1,847	101%	26	20	77%
WB - Rosedale Hwy	2,571	2,445	95%	18.9	B		298	286	96%	1,833	1,725	94%	440	434	99%
Intersection Total	***5,054***	***4,935***	***98%***	***23.7***											
6. Rosedale Hwy & SR99 SB Ramp															
SB - SR99 SB Off Ramp	633	602	95%	22.9	C	C	219	211	96%	0	0	N/A	414	391	94%
EB - Rosedale Hwy	1,116	1,132	101%	12.9	B		0	0	N/A	1,116	1,132	101%	0	0	N/A
WB - Rosedale Hwy	2,157	2,057	95%	31.9	C		0	0	N/A	2,157	2,057	95%	0	0	N/A
Intersection Total	***3,906***	***3,791***	***97%***	***24.8***											
7. Rosedale Hwy & SR99 NB Ramp/Buck Owens Blvd															
NB - SR99 NB Off Ramp	1,043	1,042	100%	56.7	E	F	1,043	1,042	100%	0	0	N/A	0	0	N/A
NB - SR99 NB Off Ramp (free right)	717	713	99%	3.9	A		0	0	N/A	0	0	N/A	717	713	99%
				3.9	A										
NB - SR99 NB Off Ramp	1,760	1,755	100%	64.5	E		1,043	1,042	100%	0	0	N/A	717	713	99%
SB - Buck Owens Blvd	981	956	97%	37.9	D		428	417	97%	0	0	N/A	553	539	97%
EB - Rosedale Hwy	1,335	1,305	98%	108.5	F		435	370	85%	900	935	104%	0	0	N/A
WB - 24th St	2,329	2,187	94%	98.1	F		0	0	N/A	1,828	1,730	95%	501	457	91%
Intersection Total	***6,405***	***6,203***	***97%***	***81.5***											

BAKERSFIELD CENTENNIAL S CORRIDOR TRAFFIC OPERATIONS ANALYSIS

EXSITING INTERSECTION ANALYSIS RESULTS - PM PEAK

Scenario Name and Description: TruckLns_Off (VEH normal distribution, CFS-30%, PCFC-30%)

Location	Existing Volume (veh)	Existing Capacity (veh)	% Capacity (veh/veh)	Control Delay (sec/veh)	LOS (Existing)	LOS (Existing)	Left Turn Volume (veh) Existing	Existing Capacity	% Capacity	Thru/Right Volume (veh) Existing	Existing Capacity	% Capacity	Right Turn Volume (veh) Existing	Existing Capacity	% Capacity
8. 24th St & Oak St															
NB - Oak St	1,164	1,119	96%	136.8	F	E	628	607	97%	26	33	127%	510	479	94%
SB - Oak St	76	76	100%	56.6	E		25	24	96%	18	18	100%	33	34	103%
EB - 24th St	2,045	2,030	99%	69.5	E		35	42	120%	1,573	1,532	97%	437	456	104%
WB - 24th St	2,250	2,228	99%	55.2	E		571	560	98%	1,668	1,668	100%	11	0	0%
Intersection Total	***5,535***	***5,453***	***99%***	***77.3***											
9. California Ave & Chester Ln															
NB - Chester Ln	102	100	98%	32.9	C	C	67	63	94%	11	7	64%	24	30	125%
SB - Chester Ln	503	508	101%	32.9	C		404	402	100%	77	82	106%	22	24	109%
EB - California Ave	1,441	1,436	100%	25.6	C		73	95	130%	1,286	1,279	99%	82	62	76%
WB - California Ave	1,574	1,623	103%	22.9	C		67	85	127%	1,440	1,482	103%	67	56	84%
Intersection Total	***3,620***	***3,667***	***101%***	***25.6***											
10. California Ave & SR99 SB Ramps/Real Rd															
NB - Real Rd	336	337	100%	57.2	E	C	74	76	103%	39	35	90%	223	226	101%
SB - SR99 SB Off Ramp	1,027	1,045	102%	35.3	D		256	258	101%	198	212	107%	573	575	100%
EB - California Ave	1,750	1,752	100%	22.8	C		268	276	103%	1,391	1,389	100%	91	87	96%
WB - California Ave	1,345	1,446	108%	28.4	C		189	221	117%	1,156	1,225	106%	0	0	N/A
Intersection Total	***4,458***	***4,580***	***103%***	***30.0***											
11. California Ave & SR99 NB Ramps															
NB - SR99 NB Off Ramp	678	681	100%	21.3	C	B	269	300	104%	13	18	138%	376	363	97%
SB - Extended Stay Hotel	77	75	97%	23.3	C		19	18	95%	0	0	N/A	58	57	98%
EB - California Ave	1,241	1,302	105%	7.5	A		68	95	140%	1,173	1,207	103%	0	0	N/A
WB - California Ave	1,823	1,762	97%	21.1	C		0	0	N/A	1,811	1,762	97%	12	0	0%
Intersection Total	***3,819***	***3,820***	***100%***	***16.5***											
12. California Ave & Oak St															
NB - Oak St	903	890	99%	31.7	C	D	245	244	100%	584	570	98%	74	76	103%
SB - Oak St	1,524	1,506	99%	65.6	E		141	150	106%	696	709	102%	687	647	94%
EB - California Ave	1,443	1,524	106%	35.4	D		495	574	116%	720	744	103%	228	206	90%
WB - California Ave	1,054	1,054	100%	30.0	C		162	161	99%	784	796	102%	108	97	90%
Intersection Total	***4,924***	***4,974***	***101%***	***42.7***											
13. Stockdale Hwy & Real Rd															
NB - Real Rd	706	693	98%	41.5	D	D	556	549	99%	95	85	89%	55	59	107%
SB - Real Rd	321	326	102%	40.8	D		38	29	76%	163	172	106%	120	125	104%
EB - Stockdale Hwy	1,700	1,688	99%	44.7	D		116	117	101%	883	852	96%	701	719	103%
WB - Stockdale Hwy	1,140	1,171	103%	53.0	D		176	196	111%	930	958	103%	34	17	50%
Intersection Total	***3,867***	***3,878***	***100%***	***46.3***											
14. Stockdale Hwy & SR99 SB Ramp															
SB - SR99 SB Off Ramp	446	440	99%	12.6	B	A	136	140	103%	0	0	N/A	310	300	97%
EB - Stockdale Hwy	1,111	1,017	92%	4.1	A		0	0	N/A	1,111	1,017	92%	0	0	N/A
WB - Stockdale Hwy	936	925	99%	10.7	B		0	0	N/A	936	925	99%	0	0	N/A
Intersection Total	***2,493***	***2,382***	***96%***	***8.2***											
15. Stockdale Hwy & Oak St/Wible Rd															
NB - Wible Rd	754	744	99%	29.7	C	C	205	204	100%	392	385	98%	157	155	99%
SB - Oak St	946	956	101%	30.6	C		96	86	90%	629	647	103%	221	223	101%
EB - Stockdale Hwy	1,247	1,227	98%	12.3	B		177	182	103%	614	596	97%	456	449	98%
WB - Stockdale Hwy	771	761	99%	34.0	C		176	176	100%	510	487	95%	85	98	115%
Intersection Total	***3,718***	***3,688***	***99%***	***25.0***											
16. SR58 Ramps & Real Rd															
NB - Real Rd	437	437	100%	21.3	C	C	0	0	N/A	181	177	98%	256	260	102%
SB - Real Rd	1,040	1,067	103%	30.8	C		825	856	104%	215	211	98%	0	0	N/A
WB - SR58 WB	1,083	1,093	101%	20.7	C		558	571	102%	0	0	N/A	525	522	99%
Intersection Total	***2,560***	***2,597***	***101%***	***25.0***											
17. SR99 NB Ramps & Wible Rd															
NB - Wible Rd	731	723	99%	15.3	B	C	219	214	98%	512	509	99%	0	0	N/A
SB - Wible Rd	1,261	1,281	102%	36.1	D		0	0	N/A	919	899	98%	342	382	112%
EB - SR99 NB Off Ramp	268	265	99%	33.6	C		242	241	100%	0	0	N/A	26	24	92%
Intersection Total	***2,260***	***2,269***	***100%***	***29.2***											
18. Ming Ave & Real Rd															
NB - Real Rd	319	314	98%	36.9	D	D	90	86	96%	122	112	92%	107	116	108%
SB - Real Rd	582	595	102%	58.0	E		191	198	104%	165	154	93%	226	243	108%
EB - Ming Ave	1,724	1,732	100%	31.5	C		158	177	112%	1,455	1,456	100%	111	99	89%
WB - Ming Ave	2,029	2,040	101%	42.7	D		171	194	113%	1,792	1,795	100%	66	51	77%
Intersection Total	***4,654***	***4,681***	***101%***	***40.1***											

BAKERSFIELD CENTENNIAL S CORRIDOR TRAFFIC OPERATIONS ANALYSIS

EXSITING INTERSECTION ANALYSIS RESULTS - PM PEAK

Scenario Name and Description: TruckLns_Off (VEH normal distribution, CFS-30%, PCFC-30%)

Intersection	Demand Volume (vph)	Corridor Demand Volume (vph)	% Serviced in Model	Control Delay (sec/veh)	LOS (Approach)	LOS (Overall)	Left Turn Volume (vph) Demand	Corridor Demand	% Serviced	Through Volume (vph) Demand	Corridor Demand	% Serviced	Right Turn Volume (vph) Demand	Corridor Demand	% Serviced
19. Ming Ave & SR99 SB Ramps															
EB - Ming Ave	1,829	1,823	100%	18.1	B	B	0	0	N/A	1,582	1,551	98%	247	272	110%
WB - Ming Ave	1,482	1,463	99%	2.1	A		211	220	104%	1,271	1,243	98%	0	0	N/A
Intersection Total	***3,311***	***3,286***	***99%***	***11.0***											
20. Ming Ave & Wible Rd															
NB - Wible Rd	691	700	101%	33.7	C	D	158	153	97%	315	315	100%	218	232	106%
SB - Wible Rd	852	849	100%	34.6	C		190	186	98%	463	461	100%	199	202	102%
EB - Ming Ave	2,264	2,199	97%	46.9	D		196	178	91%	1,685	1,686	100%	383	335	87%
WB - Ming Ave	1,395	1,375	98%	18.4	B		131	152	116%	1,125	1,107	98%	139	116	83%
Intersection Total	***5,202***	***5,123***	***98%***	***35.4***											
21. Ming Ave & SR99 NB Ramps															
NB - Sears	286	291	102%	26.3	C	C	89	93	104%	151	161	107%	46	37	80%
SB - SR99 SB Off Ramp	403	413	102%	19.9	B		96	110	115%	53	43	81%	254	260	102%
EB - Ming Ave	2,093	2,107	101%	17.1	B		766	770	101%	1,047	1,037	99%	280	300	107%
WB - Ming Ave	1,426	1,315	92%	30.8	C		76	88	116%	1,052	947	90%	298	280	94%
Intersection Total	***4,208***	***4,126***	***98%***	***22.4***											
22. Ming Ave & Castro Ln															
NB - Castro Ln	276	272	99%	30.5	C	C	215	208	97%	16	11	69%	45	53	118%
SB - Castro Ln	186	190	102%	45.6	D		62	60	97%	19	15	79%	105	115	110%
EB - Ming Ave	1,189	1,213	102%	18.5	B		91	110	121%	962	975	101%	136	128	94%
WB - Ming Ave	1,021	1,005	98%	26.7	C		86	82	95%	895	893	100%	40	30	75%
Intersection Total	***2,672***	***2,680***	***100%***	***24.7***											
23. White Ln & Wible Rd															
NB - Wible Rd	957	941	98%	110.6	F	E	163	151	93%	334	342	102%	460	448	97%
SB - Wible Rd	765	766	100%	44.3	D		237	218	92%	370	392	106%	158	156	99%
EB - White Ln	1,446	1,369	95%	127.1	F		108	114	106%	1,243	1,172	94%	95	83	87%
WB - White Ln	2,122	2,065	97%	33.7	C		396	334	84%	1,501	1,529	102%	225	202	90%
Intersection Total	***5,290***	***5,141***	***97%***	***74.2***											
24. White Ln & SR99 SB Ramps															
SB - SR99 SB Off Ramp	2,029	1,949	96%	44.4	D	C	690	680	99%	0	0	N/A	1,339	1,269	95%
EB - White Ln	1,802	1,787	99%	22.5	C		0	0	N/A	1,802	1,787	99%	0	0	N/A
WB - White Ln	783	836	107%	25.0	C		0	0	N/A	783	836	107%	0	0	N/A
Intersection Total	***4,614***	***4,572***	***99%***	***32.3***											
25. White Ln & SR99 NB Ramps															
NB - SR99 NB Off Ramp	338	342	101%	9.3	A	A	190	206	108%	0	0	N/A	148	136	92%
EB - White Ln	1,337	1,329	99%	7.7	A		0	0	N/A	1,337	1,329	99%	0	0	N/A
WB - White Ln	732	753	103%	9.5	A		0	0	N/A	732	753	103%	0	0	N/A
Intersection Total	***2,407***	***2,424***	***101%***	***8.5***											
26. White Ln & Hughes Ln															
NB - Hughes Ln	497	497	100%	29.9	C	D	229	226	99%	183	185	101%	85	86	101%
SB - Hughes Ln	451	456	101%	31.3	C		131	127	97%	191	181	95%	129	148	115%
EB - White Ln	1,303	1,364	105%	38.1	D		242	238	98%	828	879	106%	233	247	106%
WB - White Ln	1,041	1,021	98%	35.7	D		106	92	87%	832	831	100%	103	98	95%
Intersection Total	***3,292***	***3,338***	***101%***	***35.2***											
27. Brundage Ln & H St															
NB - H St	627	609	97%	36.4	D	E	121	123	102%	370	370	100%	136	116	85%
SB - H St	891	863	97%	51.7	D		46	43	93%	749	733	98%	96	87	91%
EB - Brundage Ln	565	567	100%	99.0	F		72	65	90%	373	373	100%	120	129	108%
WB - Brundage Ln	666	657	99%	70.3	E		215	207	96%	415	416	100%	36	34	94%
Intersection Total	***2,749***	***2,696***	***98%***	***62.7***											
28. SR58 WB Ramp & H St															
NB - H St	620	594	96%	10.3	B	D	69	73	106%	551	521	95%	0	0	N/A
SB - H St	1,084	1,065	98%	55.0	E		0	0	N/A	883	868	98%	201	197	98%
WB - Richland St	418	429	103%	31.8	C		153	158	103%	189	186	98%	76	85	112%
Intersection Total	***2,122***	***2,088***	***98%***	***37.5***											
29. SR58 EB Ramp & H St															
NB - H St	613	608	99%	22.9	C	B	0	0	N/A	477	459	96%	136	149	110%
SB - H St	1,036	1,026	99%	5.0	A		88	81	92%	948	945	100%	0	0	N/A
EB - SR58 EB Off Ramp	416	397	95%	27.8	C		143	136	95%	138	132	96%	135	129	96%
Intersection Total	***2,065***	***2,031***	***98%***	***14.8***											
30. Brundage Ln & Chester Ave															
NB - Chester Ave	536	517	96%	19.1	B	C	74	73	99%	402	405	101%	60	39	65%
SB - Chester Ave	1,046	1,044	100%	17.5	B		61	53	87%	811	806	99%	174	185	106%
EB - Brundage Ln	567	540	95%	31.5	C		132	126	95%	343	336	98%	92	78	85%
WB - Brundage Ln	552	549	99%	28.6	C		101	98	97%	401	389	97%	50	62	124%
Intersection Total	***2,701***	***2,650***	***98%***	***23.0***											
31. SR58 WB Ramp & Chester Ave															
NB - Chester Ave	470	468	100%	6.9	A	B	61	64	105%	409	404	99%	0	0	N/A
SB - Chester Ave	1,004	979	98%	20.1	C		0	0	N/A	840	801	95%	164	178	109%
WB - Richland St	464	437	94%	28.6	C		144	144	100%	193	180	93%	127	113	89%
Intersection Total	***1,938***	***1,884***	***97%***	***18.8***											
32. SR58 EB Ramp & Chester Ave															
NB - Chester Ave	561	565	101%	16.2	B	B	0	0	N/A	405	398	98%	156	167	107%
SB - Chester Ave	984	933	95%	13.3	B		231	215	93%	753	718	95%	0	0	N/A
EB - Frontage Rd	362	361	100%	26.9	C		65	74	114%	172	170	99%	125	117	94%
Intersection Total	***1,907***	***1,859***	***97%***	***17.4***											
33. Brundage Ln & Union Ave															
NB - Union Ave	1,249	1,253	100%	32.2	C	C	80	82	103%	881	903	102%	288	268	93%
SB - Union Ave	1,481	1,507	102%	37.9	D		104	115	111%	1,302	1,325	102%	75	67	89%
EB - Brundage Ln	416	410	99%	29.5	C		99	100	101%	211	196	93%	106	114	108%
WB - Brundage Ln	745	716	96%	33.7	C		262	261	100%	278	257	92%	205	198	97%
Intersection Total	***3,891***	***3,886***	***100%***	***34.4***											
34. SR58 EB Ramp & Union Ave															
NB - Union Ave	1,122	1,122	100%	9.0	A	A	0	0	N/A	879	884	101%	243	238	98%
SB - Union Ave	1,105	1,136	103%	9.7	A		0	0	N/A	1,105	1,136	103%	0	0	N/A
EB - SR58 EB Off Ramp	557	532	96%	9.5	A		370	356	96%	0	0	N/A	187	176	94%
Intersection Total	***2,784***	***2,790***	***100%***	***9.4***											
35. Brundage Ln & SR58 WB Ramps															
NB - SR58 WB Off Ramp	350	318	91%	23.2	C	C	303	281	93%	35	28	80%	12	9	75%
SB - Liggett St	77	75	97%	14.5	B		5	9	180%	35	22	63%	37	44	119%
EB - Brundage Ln	576	568	99%	20.4	C		32	36	113%	391	386	99%	153	146	95%
WB - Brundage Ln	438	437	100%	25.2	C		61	50	82%	368	378	103%	9	9	100%
Intersection Total	***1,441***	***1,398***	***97%***	***22.2***											

BAKERSFIELD CENTENNIAL S CORRIDOR TRAFFIC OPERATIONS ANALYSIS

EXISITING INTERSECTION ANALYSIS RESULTS - PM PEAK

Scenario Name and Description: TruckLns_Off_On (VEH normal distribution, CFS-30%, PCFC-30%)

Location	Demand Volume (vph)	Capacity Volume (vph)	% Demand to Capacity	Control Delay (seconds)	LOS (Approach)	LOS (Intersection)	Left Turn Volume (vph) Demand	Capacity Volume	% Demand	Through Volume (vph) Demand	Capacity Volume	% Demand	Right Turn Volume (vph) Demand	Capacity Volume	% Demand
1. Airport Dr & State Rd/SR204 WB Ramp															
NB - Airport Dr	1,222	1,200	98%	23.8	C	D	143	128	90%	1,079	1,072	99%	0	0	N/A
SB - Airport Dr	1,150	1,153	100%	41.0	D		0	0	N/A	1,132	1,145	101%	18	8	44%
EB - State Rd	197	196	99%	19.2	B		54	48	89%	0	0	N/A	143	148	103%
WB - SR204 WB Off Ramp	1,042	1,032	99%	45.6	D		613	596	97%	245	232	95%	184	204	111%
Intersection Total	***3,611***	***3,581***	***99%***	***35.4***											
2. Buck Owens Blvd & SR99 NB Ramp															
NB - SR99 NB Off Ramp	1,211	1,117	92%	12.3	B	B	0	0	N/A	1,188	1,106	93%	23	11	48%
WB - Buck Owens Blvd	780	794	102%	22.9	C		0	0	N/A	0	0	N/A	780	794	102%
Intersection Total	***1,991***	***1,911***	***96%***	***16.7***											
3. Rio Mirada Dr & Buck Owens Blvd															
NB - Buck Owens Blvd	699	704	101%	18.8	B	B	108	95	88%	577	595	103%	14	14	100%
SB - Buck Owens Blvd	30	18	60%	29.9	C		16	13	81%	14	5	36%	0	0	N/A
EB - Rio Mirada Dr	264	270	102%	12.0	B		9	16	175%	49	41	84%	206	213	103%
WB - Rio Mirada Dr	313	312	100%	24.0	C		27	25	93%	106	112	106%	180	175	97%
Intersection Total	***1,306***	***1,304***	***100%***	***18.8***											
4. SR99 NB Ramps/Sillect Ave & Buck Owens Blvd															
NB - Buck Owens Blvd	836	692	83%	46.1	D	D	341	305	89%	363	291	80%	132	96	73%
SB - Buck Owens Blvd	615	621	101%	43.6	D		36	34	94%	481	473	98%	98	114	116%
EB - SR99 NB Off Ramp	304	306	101%	39.2	D		161	166	103%	69	75	109%	74	65	88%
WB - Sillect Ave	420	424	101%	45.0	D		336	333	99%	40	45	113%	44	46	105%
Intersection Total	***2,175***	***2,043***	***94%***	***44.1***											
5. Rosedale Hwy & Camino del Rio Ct															
NB - Camino del Rio Ct	159	160	101%	28.6	C	C	18	29	161%	8	6	75%	133	125	94%
SB - Camino del Rio Ct	410	411	100%	46.3	D		342	341	100%	0	0	N/A	68	70	103%
EB - Rosedale Hwy	1,914	1,920	100%	24.4	C		56	52	93%	1,832	1,848	101%	26	20	77%
WB - Rosedale Hwy	2,571	2,395	93%	21.6	C		298	282	95%	1,833	1,686	92%	440	427	97%
Intersection Total	***5,054***	***4,886***	***97%***	***25.0***											
6. Rosedale Hwy & SR99 SB Ramp															
SB - SR99 SB Off Ramp	633	595	94%	24.9	C	C	219	208	95%	0	0	N/A	414	387	93%
EB - Rosedale Hwy	1,116	1,133	102%	13.9	B		0	0	N/A	1,116	1,133	102%	0	0	N/A
WB - Rosedale Hwy	2,157	2,025	94%	31.8	C		0	0	N/A	2,157	2,025	94%	0	0	N/A
Intersection Total	***3,906***	***3,753***	***96%***	***25.3***											
7. Rosedale Hwy & SR99 NB Ramp/Buck Owens Blvd															
NB - SR99 NB Off Ramp	1,043	1,024	98%	75.4	E	F	1,043	1,024	98%	0	0	N/A	0	0	N/A
NB - SR99 NB Off Ramp (free right)	717	723	101%	3.8	A		0	0	N/A	0	0	N/A	717	723	101%
				28.4	C										
NB - SR99 NB Off Ramp	1,760	1,747	99%	107.6	F		1,043	1,024	98%	0	0	N/A	717	723	101%
SB - Buck Owens Blvd	981	958	98%	35.1	D		428	418	98%	0	0	N/A	553	540	98%
EB - Rosedale Hwy	1,335	1,299	97%	112.5	F		435	356	82%	900	943	105%	0	0	N/A
WB - 24th St	2,329	2,147	92%	106.0	F		0	0	N/A	1,828	1,698	93%	501	449	90%
Intersection Total	***6,405***	***6,151***	***96%***	***96.8***											

BAKERSFIELD CENTENNIAL S CORRIDOR TRAFFIC OPERATIONS ANALYSIS

EXSITING INTERSECTION ANALYSIS RESULTS - PM PEAK

Scenario Name and Description: TruckLns_Off_On (VEH normal distribution, CFS-30%, PCFC-30%)

Location	Demand Volume (vph)	Capacity (Sat Flow) Volume (vph)	% Demand in Model	Control Delay (sec/veh)	LOS (Approach)	LOS (Intersection)	Left Turn Volume (vph) Demand	CORSIM Output	% Served	Through Volume (vph) Demand	CORSIM Output	% Served	Right Turn Volume (vph) Demand	CORSIM Output	% Served
8. 24th St & Oak St															
NB - Oak St	1,164	1,112	96%	159.8	F	E	628	602	96%	26	33	127%	510	477	94%
SB - Oak St	76	76	100%	56.8	E		25	24	96%	18	18	100%	33	34	103%
EB - 24th St	2,045	2,031	99%	53.3	D		35	42	120%	1,573	1,526	97%	437	463	106%
WB - 24th St	2,250	2,214	98%	53.9	D		571	560	98%	1,668	1,654	99%	11	0	0%
Intersection Total	***5,535***	***5,433***	***98%***	***75.4***											
9. California Ave & Chester Ln															
NB - Chester Ln	102	100	98%	33.1	C	C	67	63	94%	11	7	64%	24	30	125%
SB - Chester Ln	503	508	101%	32.5	C		404	402	100%	77	82	106%	22	24	109%
EB - California Ave	1,441	1,436	100%	25.6	C		73	95	130%	1,286	1,279	99%	82	62	76%
WB - California Ave	1,574	1,621	103%	22.8	C		67	82	122%	1,440	1,484	103%	67	55	82%
Intersection Total	***3,620***	***3,665***	***101%***	***25.5***											
10. California Ave & SR99 SB Ramps/Real Rd															
NB - Real Rd	336	337	100%	57.5	E	C	74	76	103%	39	35	90%	223	226	101%
SB - SR99 SB Off Ramp	1,027	1,010	98%	34.0	C		256	256	100%	198	202	102%	573	552	96%
EB - California Ave	1,750	1,753	100%	23.6	C		268	277	103%	1,391	1,389	100%	91	87	96%
WB - California Ave	1,345	1,466	109%	29.8	C		189	224	119%	1,156	1,242	107%	0	0	N/A
Intersection Total	***4,458***	***4,566***	***102%***	***30.4***											
11. California Ave & SR99 NB Ramps															
NB - SR99 NB Off Ramp	678	700	103%	21.0	C	B	289	310	107%	13	18	138%	376	372	99%
SB - Extended Stay Hotel	77	75	97%	23.9	C		19	18	95%	0	0	N/A	58	57	98%
EB - California Ave	1,241	1,299	105%	7.5	A		68	94	138%	1,173	1,205	103%	0	0	N/A
WB - California Ave	1,823	1,764	97%	21.3	C		0	0	N/A	1,811	1,764	97%	12	0	0%
Intersection Total	***3,819***	***3,838***	***100%***	***16.6***											
12. California Ave & Oak St															
NB - Oak St	903	890	99%	31.6	C	D	245	241	98%	584	573	98%	74	76	103%
SB - Oak St	1,524	1,496	98%	65.5	E		141	149	106%	696	701	101%	687	646	94%
EB - California Ave	1,443	1,498	104%	37.5	D		495	574	116%	720	725	101%	228	199	87%
WB - California Ave	1,054	1,054	100%	30.1	C		162	163	101%	784	796	102%	108	95	88%
Intersection Total	***4,924***	***4,938***	***100%***	***43.3***											
13. Stockdale Hwy & Real Rd															
NB - Real Rd	706	682	97%	39.5	D	D	556	541	97%	95	82	86%	55	59	107%
SB - Real Rd	321	326	102%	40.7	D		38	29	76%	163	172	106%	120	125	104%
EB - Stockdale Hwy	1,700	1,691	99%	45.8	D		116	118	102%	883	855	97%	701	718	102%
WB - Stockdale Hwy	1,140	1,186	104%	61.5	E		176	199	113%	930	970	104%	34	17	50%
Intersection Total	***3,867***	***3,885***	***100%***	***49.1***											
14. Stockdale Hwy & SR99 SB Ramp															
SB - SR99 SB Off Ramp	446	471	106%	13.5	B	A	136	151	111%	0	0	N/A	310	320	103%
EB - Stockdale Hwy	1,111	1,022	92%	4.1	A		0	0	N/A	1,111	1,022	92%	0	0	N/A
WB - Stockdale Hwy	936	929	99%	10.5	B		0	0	N/A	936	929	99%	0	0	N/A
Intersection Total	***2,493***	***2,422***	***97%***	***8.4***											
15. Stockdale Hwy & Oak St/Wible Rd															
NB - Wible Rd	754	751	100%	30.8	C	C	205	204	100%	392	391	100%	157	156	99%
SB - Oak St	946	957	101%	30.5	C		96	86	90%	629	647	103%	221	224	101%
EB - Stockdale Hwy	1,247	1,241	100%	14.5	B		177	184	104%	614	606	99%	456	451	99%
WB - Stockdale Hwy	771	761	99%	34.3	C		176	176	100%	510	487	95%	85	98	115%
Intersection Total	***3,718***	***3,710***	***100%***	***26.0***											
16. SR58 Ramps & Real Rd															
NB - Real Rd	437	437	100%	21.4	C	C	0	0	N/A	181	177	98%	256	260	102%
SB - Real Rd	1,040	1,084	104%	31.7	C		825	869	105%	215	215	100%	0	0	N/A
WB - SR58 WB	1,083	1,053	97%	20.8	C		558	544	97%	0	0	N/A	525	509	97%
Intersection Total	***2,560***	***2,574***	***101%***	***25.5***											
17. SR99 NB Ramps & Wible Rd															
NB - Wible Rd	731	723	99%	15.4	B	C	219	214	98%	512	509	99%	0	0	N/A
SB - Wible Rd	1,261	1,280	102%	34.7	C		0	0	N/A	919	897	98%	342	383	112%
EB - SR99 NB Off Ramp	268	269	100%	31.7	C		242	245	101%	0	0	N/A	26	24	92%
Intersection Total	***2,260***	***2,272***	***101%***	***28.2***											
18. Ming Ave & Real Rd															
NB - Real Rd	319	314	98%	36.9	D	D	90	86	96%	122	112	92%	107	116	108%
SB - Real Rd	582	595	102%	57.9	E		191	198	104%	165	154	93%	226	243	108%
EB - Ming Ave	1,724	1,731	100%	31.2	C		158	177	112%	1,455	1,455	100%	111	99	89%
WB - Ming Ave	2,029	2,060	102%	41.8	D		171	195	114%	1,792	1,815	101%	66	50	76%
Intersection Total	***4,654***	***4,700***	***101%***	***39.6***											

BAKERSFIELD CENTENNIAL S CORRIDOR TRAFFIC OPERATIONS ANALYSIS

EXSITING INTERSECTION ANALYSIS RESULTS - PM PEAK

Scenario Name and Description: TruckLns_Off_On (VEH normal distribution, CFS-30%, PCFC-30%)

Location	Demand Volume (vph)	Capacity Volume (vph)	% Demand Volume	Control Delay (sec/veh)	LOS Approach	LOS Overall	Left Turn Volume (vph) Demand	Capacity Volume	% Demand	Through Volume (vph) Demand	Capacity Volume	% Demand	Right Turn Volume (vph) Demand	Capacity Volume	% Demand
19. Ming Ave & SR99 SB Ramps															
EB - Ming Ave	1,829	1,820	100%	17.9	B	B	0	0	N/A	1,582	1,549	98%	247	271	110%
WB - Ming Ave	1,482	1,459	98%	2.4	A		211	217	103%	1,271	1,242	98%	0	0	N/A
Intersection Total	***3,311***	***3,279***	***99%***	***11.0***											
20. Ming Ave & Wible Rd															
NB - Wible Rd	691	699	101%	33.6	C	D	158	153	97%	315	314	100%	218	232	106%
SB - Wible Rd	852	849	100%	34.7	C		190	186	98%	463	461	100%	199	202	102%
EB - Ming Ave	2,264	2,202	97%	48.9	D		196	177	90%	1,685	1,691	100%	383	334	87%
WB - Ming Ave	1,395	1,368	98%	16.5	B		131	151	115%	1,125	1,101	98%	139	116	83%
Intersection Total	***5,202***	***5,118***	***98%***	***35.8***											
21. Ming Ave & SR99 NB Ramps															
NB - Sears	286	291	102%	26.4	C	C	89	93	104%	151	161	107%	46	37	80%
SB - SR99 SB Off Ramp	403	393	98%	22.4	C		96	105	109%	53	43	81%	254	245	96%
EB - Ming Ave	2,093	2,121	101%	17.9	B		766	769	100%	1,047	1,049	100%	280	303	108%
WB - Ming Ave	1,426	1,313	92%	29.5	C		76	88	116%	1,052	949	90%	298	276	93%
Intersection Total	***4,208***	***4,118***	***98%***	***22.6***											
22. Ming Ave & Castro Ln															
NB - Castro Ln	276	272	99%	30.5	C	C	215	208	97%	16	11	69%	45	53	118%
SB - Castro Ln	186	190	102%	45.4	D		62	60	97%	19	15	79%	105	115	110%
EB - Ming Ave	1,189	1,208	102%	16.6	B		91	109	120%	962	973	101%	136	126	93%
WB - Ming Ave	1,021	1,003	98%	26.8	C		86	80	93%	895	893	100%	40	30	75%
Intersection Total	***2,672***	***2,673***	***100%***	***24.8***											
23. White Ln & Wible Rd															
NB - Wible Rd	957	943	99%	102.4	F	E	163	150	92%	334	340	102%	460	453	98%
SB - Wible Rd	765	769	101%	44.4	D		237	222	94%	370	392	106%	158	155	98%
EB - White Ln	1,446	1,370	95%	133.5	F		108	110	102%	1,243	1,176	95%	95	84	88%
WB - White Ln	2,122	2,072	98%	35.4	D		396	334	84%	1,501	1,536	102%	225	202	90%
Intersection Total	***5,290***	***5,154***	***97%***	***75.1***											
24. White Ln & SR99 SB Ramps															
SB - SR99 SB Off Ramp	2,029	1,922	95%	50.5	D	C	690	677	98%	0	0	N/A	1,339	1,245	93%
EB - White Ln	1,802	1,811	100%	21.9	C		0	0	N/A	1,802	1,811	100%	0	0	N/A
WB - White Ln	783	863	110%	25.2	C		0	0	N/A	783	863	110%	0	0	N/A
Intersection Total	***4,614***	***4,596***	***100%***	***34.5***											
25. White Ln & SR99 NB Ramps															
NB - SR99 NB Off Ramp	338	384	114%	10.8	B	A	190	225	118%	0	0	N/A	148	159	107%
EB - White Ln	1,337	1,342	100%	7.6	A		0	0	N/A	1,337	1,342	100%	0	0	N/A
WB - White Ln	732	756	103%	9.8	A		0	0	N/A	732	756	103%	0	0	N/A
Intersection Total	***2,407***	***2,482***	***103%***	***8.8***											
26. White Ln & Hughes Ln															
NB - Hughes Ln	497	497	100%	30.0	C	D	229	226	99%	183	185	101%	85	86	101%
SB - Hughes Ln	451	456	101%	31.4	C		131	127	97%	191	181	95%	129	148	115%
EB - White Ln	1,303	1,395	107%	38.0	D		242	239	99%	828	908	110%	233	248	106%
WB - White Ln	1,041	1,021	98%	35.9	D		106	93	88%	832	835	100%	103	93	90%
Intersection Total	***3,292***	***3,369***	***102%***	***35.3***											
27. Brundage Ln & H St															
NB - H St	627	598	95%	31.5	C	E	121	119	98%	370	364	98%	136	115	85%
SB - H St	891	850	95%	50.0	D		46	43	93%	749	725	97%	96	82	85%
EB - Brundage Ln	565	566	100%	110.9	F		72	63	88%	373	372	100%	120	131	109%
WB - Brundage Ln	666	649	97%	115.3	F		215	193	90%	415	422	102%	36	34	94%
Intersection Total	***2,749***	***2,663***	***97%***	***74.7***											
28. SR58 WB Ramp & H St															
NB - H St	620	591	95%	10.5	B	D	69	73	106%	551	518	94%	0	0	N/A
SB - H St	1,084	1,042	96%	59.4	E		0	0	N/A	883	848	96%	201	194	97%
WB - Richland St	418	427	102%	31.3	C		153	155	101%	189	187	99%	76	85	112%
Intersection Total	***2,122***	***2,060***	***97%***	***39.5***											
29. SR58 EB Ramp & H St															
NB - H St	613	608	99%	23.3	C	B	0	0	N/A	477	459	96%	136	149	110%
SB - H St	1,036	1,004	97%	5.0	A		88	78	89%	948	926	98%	0	0	N/A
EB - SR58 EB Off Ramp	416	382	92%	33.7	C		143	132	92%	138	126	91%	135	124	92%
Intersection Total	***2,065***	***1,994***	***97%***	***16.1***											
30. Brundage Ln & Chester Ave															
NB - Chester Ave	536	516	96%	31.4	C	C	74	72	97%	402	405	101%	60	39	65%
SB - Chester Ave	1,046	1,044	100%	18.4	B		61	53	87%	811	807	100%	174	184	106%
EB - Brundage Ln	567	534	94%	32.5	C		132	124	94%	343	332	97%	92	78	85%
WB - Brundage Ln	552	549	99%	30.1	C		101	98	97%	401	389	97%	50	62	124%
Intersection Total	***2,701***	***2,643***	***98%***	***26.2***											
31. SR58 WB Ramp & Chester Ave															
NB - Chester Ave	470	468	100%	6.9	A	B	61	64	105%	409	404	99%	0	0	N/A
SB - Chester Ave	1,004	981	98%	21.4	C		0	0	N/A	840	804	96%	164	177	108%
WB - Richland St	464	437	94%	27.5	C		144	142	99%	193	180	93%	127	115	91%
Intersection Total	***1,938***	***1,886***	***97%***	***19.2***											
32. SR58 EB Ramp & Chester Ave															
NB - Chester Ave	561	565	101%	18.3	B	B	0	0	N/A	405	398	98%	156	167	107%
SB - Chester Ave	984	934	95%	12.8	B		231	215	93%	753	719	95%	0	0	N/A
EB - Frontage Rd	362	352	97%	31.0	C		65	74	114%	172	165	96%	125	113	90%
Intersection Total	***1,907***	***1,851***	***97%***	***17.9***											
33. Brundage Ln & Union Ave															
NB - Union Ave	1,249	1,268	102%	33.5	C	D	80	81	101%	881	916	104%	288	271	94%
SB - Union Ave	1,481	1,511	102%	37.5	D		104	114	110%	1,302	1,330	102%	75	67	89%
EB - Brundage Ln	416	410	99%	29.9	C		99	100	101%	211	198	94%	106	112	106%
WB - Brundage Ln	745	737	99%	39.0	D		262	266	102%	278	266	96%	205	205	100%
Intersection Total	***3,891***	***3,926***	***101%***	***35.7***											
34. SR58 EB Ramp & Union Ave															
NB - Union Ave	1,122	1,121	100%	9.0	A	A	0	0	N/A	879	883	100%	243	238	98%
SB - Union Ave	1,105	1,138	103%	10.2	B		0	0	N/A	1,105	1,138	103%	0	0	N/A
EB - SR58 EB Off Ramp	557	549	99%	11.0	B		370	369	100%	0	0	N/A	187	180	96%
Intersection Total	***2,784***	***2,808***	***101%***	***9.9***											
35. Brundage Ln & SR58 WB Ramps															
NB - SR58 WB Off Ramp	350	346	99%	24.3	C	C	303	308	102%	35	29	83%	12	9	75%
SB - Liggett St	77	75	97%	14.5	B		5	9	180%	35	22	63%	37	44	119%
EB - Brundage Ln	576	569	99%	20.2	C		32	35	109%	391	385	98%	153	149	97%
WB - Brundage Ln	438	437	100%	25.6	C		61	50	82%	368	378	103%	9	9	100%
Intersection Total	***1,441***	***1,427***	***99%***	***22.5***											

BAKERSFIELD CENTENNIAL S CORRIDOR TRAFFIC OPERATIONS ANALYSIS

EXSITING INTERSECTION ANALYSIS RESULTS - PM PEAK

Scenario Name and Description: TruckLns_Off_On_CFSM_Final (VEH normal distribution, CFS-30%, PCFC-30%)

Location	Demand Volume (vph)	CORSIM Server Volume (vph)	% Demand in Model	Control Delay (sec/veh)	LOS (Approach)	LOS (Overall)	Left Turn Volume (vph) Demand	CORSIM Server	% Demand	Through Volume (vph) Demand	CORSIM Server	% Demand	Right Turn Volume (vph) Demand	CORSIM Server	% Demand
1. Airport Dr & State Rd/SR204 WB Ramp															
NB - Airport Dr	1,222	1,231	101%	24.2	C	D	143	142	99%	1,079	1,090	101%	0	0	N/A
SB - Airport Dr	1,150	1,150	100%	40.7	D		0	0	N/A	1,132	1,140	101%	18	11	59%
EB - State Rd	197	195	99%	19.2	B		54	51	95%	0	0	N/A	143	143	100%
WB - SR204 WB Off Ramp	1,042	1,050	101%	47.2	D		613	620	101%	245	251	103%	184	179	97%
Intersection Total	*3,611*	*3,626*	*100%*	*35.8*											
2. Buck Owens Blvd & SR99 NB Ramp															
NB - SR99 NB Off Ramp	1,211	1,181	97%	12.6	B	B	0	0	N/A	1,188	1,169	98%	23	11	49%
WB - Buck Owens Blvd	780	787	101%	22.0	C		0	0	N/A	0	0	N/A	780	787	101%
Intersection Total	*1,991*	*1,967*	*99%*	*16.4*											
3. Rio Mirada Dr & Buck Owens Blvd															
NB - Buck Owens Blvd	699	698	100%	18.3	B	B	108	108	100%	577	574	99%	14	16	114%
SB - Buck Owens Blvd	30	17	58%	24.0	C		16	9	59%	14	8	59%	0	0	N/A
EB - Rio Mirada Dr	264	252	96%	10.9	B		9	11	121%	49	48	98%	206	193	94%
WB - Rio Mirada Dr	313	313	100%	20.9	C		27	26	96%	106	104	98%	180	182	101%
Intersection Total	*1,306*	*1,280*	*98%*	*17.5*											
4. SR99 NB Ramps/Sillect Ave & Buck Owens Blvd															
NB - Buck Owens Blvd	836	734	88%	48.9	D	D	341	306	90%	363	321	88%	132	107	81%
SB - Buck Owens Blvd	615	608	99%	42.6	D		36	42	117%	481	478	99%	98	88	89%
EB - SR99 NB Off Ramp	304	312	103%	37.9	D		161	161	100%	69	74	107%	74	77	104%
WB - Sillect Ave	420	417	99%	42.5	D		336	328	98%	40	45	113%	44	44	99%
Intersection Total	*2,175*	*2,071*	*95%*	*44.1*											
5. Rosedale Hwy & Camino del Rio Ct															
NB - Camino del Rio Ct	159	158	100%	27.4	C	C	18	20	108%	8	8	104%	133	131	98%
SB - Camino del Rio Ct	410	413	101%	48.7	D		342	352	103%	0	0	N/A	68	62	91%
EB - Rosedale Hwy	1,914	1,914	100%	25.9	C		56	56	101%	1,832	1,837	100%	26	20	77%
WB - Rosedale Hwy	2,571	2,489	97%	17.1	B		298	295	99%	1,833	1,775	97%	440	420	95%
Intersection Total	*5,054*	*4,975*	*98%*	*23.4*											
6. Rosedale Hwy & SR99 SB Ramp															
SB - SR99 SB Off Ramp	633	630	99%	23.7	C	C	219	214	98%	0	0	N/A	414	416	100%
EB - Rosedale Hwy	1,116	1,119	100%	14.4	B		0	0	N/A	1,116	1,119	100%	0	0	N/A
WB - Rosedale Hwy	2,157	2,084	97%	32.1	C		0	0	N/A	2,157	2,084	97%	0	0	N/A
Intersection Total	*3,906*	*3,833*	*98%*	*25.5*											
7. Rosedale Hwy & SR99 NB Ramp/Buck Owens Blvd															
NB - SR99 NB Off Ramp	1,043	997	96%	60.9	E	F	1,043	997	96%	0	0	N/A	0	0	N/A
NB - SR99 NB Off Ramp (free right)	717	688	96%	3.8	A		0	0	N/A	0	0	N/A	717	688	96%
				9.1	A										
NB - SR99 NB Off Ramp	1,760	1,685	96%	73.8	E		1,043	997	96%	0	0	N/A	717	688	96%
SB - Buck Owens Blvd	981	966	99%	41.2	D		426	424	99%	0	0	N/A	553	543	98%
EB - Rosedale Hwy	1,335	1,309	98%	103.2	F		435	365	84%	900	944	105%	0	0	N/A
WB - 24th St	2,329	2,190	94%	91.5	F		0	0	N/A	1,828	1,725	94%	501	466	93%
Intersection Total	*6,405*	*6,150*	*96%*	*81.2*											

BAKERSFIELD CENTENNIAL S CORRIDOR TRAFFIC OPERATIONS ANALYSIS

EXSITING INTERSECTION ANALYSIS RESULTS - PM PEAK

Scenario Name and Description: TruckLns_Off_On_CFSM_Final (VEH normal distribution, CFS-30%, PCFC-30%)

Location	Existing Volume (VEH)	Existing Capacity (VEH)	% Demand to Capacity	Control Delay (sec/veh)	LOS Approach	LOS Intersection	Left Turn Volume (VEH) Demand	Capacity Demand	% Demand	Through Volume (VEH) Demand	Capacity Demand	% Demand	Right Turn Volume (VEH) Demand	Capacity Demand	% Demand
8. 24th St & Oak St															
NB - Oak St	1,164	1,088	93%	153.8	F	E	628	578	92%	26	34	131%	510	476	93%
SB - Oak St	76	75	99%	54.9	D		25	26	106%	18	16	89%	33	33	100%
EB - 24th St	2,045	2,054	100%	43.5	D		35	47	135%	1,573	1,564	99%	437	443	101%
WB - 24th St	2,250	2,213	98%	57.8	E		571	571	100%	1,668	1,642	98%	11	0	0%
Intersection Total	*5,535*	*5,430*	*98%*	*71.6*											
9. California Ave & Chester Ln															
NB - Chester Ln	102	100	98%	33.1	C	C	67	65	97%	11	11	95%	24	25	103%
SB - Chester Ln	503	500	99%	33.6	C		404	397	98%	77	80	104%	22	22	100%
EB - California Ave	1,441	1,454	101%	25.5	C		73	84	116%	1,286	1,298	101%	82	72	88%
WB - California Ave	1,574	1,599	102%	22.2	C		67	84	126%	1,440	1,450	101%	67	65	97%
Intersection Total	*3,620*	*3,652*	*101%*	*25.4*											
10. California Ave & SR99 SB Ramps/Real Rd															
NB - Real Rd	336	332	99%	61.3	E	C	74	78	105%	39	35	89%	223	220	99%
SB - SR99 SB Off Ramp	1,027	1,041	101%	33.4	C		256	270	105%	198	203	102%	573	568	99%
EB - California Ave	1,750	1,735	99%	25.2	C		268	271	101%	1,391	1,378	99%	91	86	94%
WB - California Ave	1,345	1,370	102%	26.5	C		189	205	108%	1,156	1,165	101%	0	0	N/A
Intersection Total	*4,458*	*4,478*	*100%*	*30.8*											
11. California Ave & SR99 NB Ramps															
NB - SR99 NB Off Ramp	678	659	97%	27.6	C	B	289	283	98%	13	14	108%	376	362	96%
SB - Extended Stay Hotel	77	77	100%	24.6	C		19	17	91%	0	0	N/A	58	60	103%
EB - California Ave	1,241	1,259	101%	8.3	A		68	75	110%	1,173	1,184	101%	0	0	N/A
WB - California Ave	1,823	1,753	96%	23.0	C		0	0	N/A	1,811	1,753	97%	12	0	0%
Intersection Total	*3,819*	*3,747*	*98%*	*18.9*											
12. California Ave & Oak St															
NB - Oak St	903	902	100%	32.0	C	D	245	252	103%	584	574	98%	74	77	104%
SB - Oak St	1,524	1,494	98%	72.7	E		141	146	104%	696	674	97%	687	673	98%
EB - California Ave	1,443	1,503	104%	43.2	D		495	586	119%	720	708	98%	228	208	91%
WB - California Ave	1,054	1,057	100%	31.3	C		162	172	106%	784	787	100%	108	97	90%
Intersection Total	*4,924*	*4,955*	*101%*	*47.5*											
13. Stockdale Hwy & Real Rd															
NB - Real Rd	706	699	99%	38.4	D	D	556	543	98%	95	103	108%	55	53	97%
SB - Real Rd	321	319	99%	40.3	D		38	36	93%	163	159	97%	120	125	104%
EB - Stockdale Hwy	1,700	1,682	99%	50.6	D		116	116	100%	883	868	98%	701	698	100%
WB - Stockdale Hwy	1,140	1,188	104%	59.0	E		176	192	109%	930	973	105%	34	23	68%
Intersection Total	*3,867*	*3,887*	*101%*	*50.1*											
14. Stockdale Hwy & SR99 SB Ramp															
SB - SR99 SB Off Ramp	446	431	97%	13.0	B	A	136	137	101%	0	0	N/A	310	294	95%
EB - Stockdale Hwy	1,111	1,014	91%	4.6	A		0	0	N/A	1,111	1,014	91%	0	0	N/A
WB - Stockdale Hwy	936	958	102%	10.9	B		0	0	N/A	936	958	102%	0	0	N/A
Intersection Total	*2,493*	*2,403*	*96%*	*8.6*											
15. Stockdale Hwy & Oak St/Wible Rd															
NB - Wible Rd	754	753	100%	31.6	C	C	205	219	107%	392	380	97%	157	155	98%
SB - Oak St	946	939	99%	30.5	C		96	101	105%	629	609	97%	221	229	103%
EB - Stockdale Hwy	1,247	1,214	97%	12.9	B		177	174	98%	614	609	99%	456	432	95%
WB - Stockdale Hwy	771	780	101%	34.9	C		176	175	100%	510	512	100%	85	92	109%
Intersection Total	*3,718*	*3,685*	*99%*	*25.9*											
16. SR58 Ramps & Real Rd															
NB - Real Rd	437	436	100%	22.2	C	C	0	0	N/A	181	175	97%	256	260	102%
SB - Real Rd	1,040	1,040	100%	30.7	C		825	833	101%	215	206	96%	0	0	N/A
WB - SR58 WB	1,083	1,105	102%	20.5	C		558	577	103%	0	0	N/A	525	529	101%
Intersection Total	*2,560*	*2,581*	*101%*	*24.9*											
17. SR99 NB Ramps & Wible Rd															
NB - Wible Rd	731	736	101%	15.9	B	C	219	219	100%	512	517	101%	0	0	N/A
SB - Wible Rd	1,261	1,214	96%	34.2	C		0	0	N/A	919	888	97%	342	326	95%
EB - SR99 NB Off Ramp	268	265	99%	30.9	C		242	242	100%	0	0	N/A	26	23	89%
Intersection Total	*2,260*	*2,215*	*98%*	*27.7*											
18. Ming Ave & Real Rd															
NB - Real Rd	319	315	99%	37.3	D	D	90	84	93%	122	121	99%	107	111	103%
SB - Real Rd	582	580	100%	55.5	E		191	187	98%	165	164	99%	226	229	101%
EB - Ming Ave	1,724	1,720	100%	31.4	C		158	168	106%	1,455	1,452	100%	111	100	90%
WB - Ming Ave	2,029	2,069	102%	40.3	D		171	189	110%	1,792	1,816	101%	66	64	98%
Intersection Total	*4,654*	*4,683*	*101%*	*38.7*											

BAKERSFIELD CENTENNIAL S CORRIDOR TRAFFIC OPERATIONS ANALYSIS

EXSITING INTERSECTION ANALYSIS RESULTS - PM PEAK

Scenario Name and Description: TruckLns_Off_On_CFSM_Final (VEH normal distribution, CFS-30%, PCFC-30%)

Location	Volume (vph)	CONSM Volume (vph)	% Served (in Model)	Control Delay (sec/veh)	LOS Approach	LOS Overall	Left Turn Volume (vph) Demand	CONSM Demand	% Served	Through Volume (vph) Demand	CONSM Demand	% Served	Right Turn Volume (vph) Demand	CONSM Demand	% Served
19. Ming Ave & SR99 SB Ramps															
EB - Ming Ave	1,829	1,779	97%	17.7	B	B	0	0	N/A	1,582	1,537	97%	247	242	98%
WB - Ming Ave	1,482	1,484	100%	2.1	A		211	227	107%	1,271	1,258	99%	0	0	N/A
Intersection Total	***3,311***	***3,263***	***99%***	***10.6***											
20. Ming Ave & Wible Rd															
NB - Wible Rd	691	687	99%	34.1	C	D	158	160	101%	315	313	99%	218	214	98%
SB - Wible Rd	852	848	100%	35.0	D		190	192	101%	463	448	97%	199	209	105%
EB - Ming Ave	2,264	2,246	99%	48.9	D		196	182	93%	1,685	1,700	101%	383	363	95%
WB - Ming Ave	1,395	1,408	101%	17.4	B		131	144	110%	1,125	1,131	101%	139	133	95%
Intersection Total	***5,202***	***5,188***	***100%***	***36.1***											
21. Ming Ave & SR99 NB Ramps															
NB - Sears	286	284	99%	25.4	C	C	89	88	98%	151	145	96%	46	51	110%
SB - SR99 SB Off Ramp	403	405	101%	20.7	C		96	103	107%	53	49	93%	254	253	100%
EB - Ming Ave	2,093	2,095	100%	18.6	B		766	777	101%	1,047	1,042	99%	280	276	99%
WB - Ming Ave	1,426	1,345	94%	28.7	C		76	75	99%	1,052	994	95%	298	275	92%
Intersection Total	***4,208***	***4,129***	***98%***	***22.6***											
22. Ming Ave & Castro Ln															
NB - Castro Ln	276	279	101%	31.0	C	C	215	220	102%	16	16	98%	45	44	97%
SB - Castro Ln	186	182	98%	48.3	D		62	59	94%	19	18	93%	105	106	101%
EB - Ming Ave	1,189	1,188	100%	19.1	B		91	93	102%	962	968	101%	136	127	93%
WB - Ming Ave	1,021	1,015	99%	26.3	C		86	92	106%	895	895	100%	40	29	72%
Intersection Total	***2,672***	***2,664***	***100%***	***25.1***											
23. White Ln & Wible Rd															
NB - Wible Rd	957	921	96%	106.0	F	F	163	167	102%	334	315	94%	460	440	96%
SB - Wible Rd	765	761	99%	48.9	D		237	236	100%	370	365	99%	158	159	101%
EB - White Ln	1,446	1,356	94%	162.8	F		108	107	99%	1,243	1,165	94%	95	84	88%
WB - White Ln	2,122	2,064	97%	33.2	C		396	328	83%	1,501	1,513	101%	225	223	99%
Intersection Total	***5,290***	***5,102***	***96%***	***83.1***											
24. White Ln & SR99 SB Ramps															
SB - SR99 SB Off Ramp	2,029	1,957	96%	34.5	C	C	690	696	101%	0	0	N/A	1,339	1,260	94%
EB - White Ln	1,802	1,739	96%	22.6	C		0	0	N/A	1,802	1,739	96%	0	0	N/A
WB - White Ln	783	791	101%	27.2	C		0	0	N/A	783	791	101%	0	0	N/A
Intersection Total	***4,614***	***4,486***	***97%***	***28.6***											
25. White Ln & SR99 NB Ramps															
NB - SR99 NB Off Ramp	338	336	100%	10.7	B	A	190	197	104%	0	0	N/A	148	141	95%
EB - White Ln	1,337	1,339	100%	7.7	A		0	0	N/A	1,337	1,339	100%	0	0	N/A
WB - White Ln	732	740	101%	9.1	A		0	0	N/A	732	740	101%	0	0	N/A
Intersection Total	***2,407***	***2,417***	***100%***	***8.6***											
26. White Ln & Hughes Ln															
NB - Hughes Ln	497	496	100%	33.4	C	D	229	227	99%	183	181	99%	85	89	104%
SB - Hughes Ln	451	446	99%	32.1	C		131	127	97%	191	191	100%	129	129	100%
EB - White Ln	1,303	1,384	106%	37.4	D		242	272	112%	828	879	106%	233	233	100%
WB - White Ln	1,041	1,035	99%	36.8	D		106	117	110%	832	826	99%	103	92	90%
Intersection Total	***3,292***	***3,361***	***102%***	***35.9***											
27. Brundage Ln & H St															
NB - H St	627	592	94%	24.9	C	D	121	107	89%	370	361	98%	136	124	91%
SB - H St	891	864	97%	40.9	D		46	50	108%	749	728	97%	96	87	91%
EB - Brundage Ln	565	562	99%	49.1	D		72	68	94%	373	368	99%	120	126	105%
WB - Brundage Ln	666	642	96%	51.4	D		215	216	100%	415	391	94%	36	36	100%
Intersection Total	***2,749***	***2,660***	***97%***	***41.6***											
28. SR58 WB Ramp & H St															
NB - H St	620	598	97%	10.6	B	D	69	72	104%	551	527	96%	0	0	N/A
SB - H St	1,084	1,074	99%	50.3	D		0	0	N/A	883	875	99%	201	199	99%
WB - Richland St	418	410	98%	30.6	C		153	148	96%	189	187	99%	76	75	99%
Intersection Total	***2,122***	***2,082***	***98%***	***35.0***											
29. SR58 EB Ramp & H St															
NB - H St	613	617	101%	22.3	C	B	0	0	N/A	477	472	99%	136	146	107%
SB - H St	1,036	1,022	99%	5.3	A		88	89	101%	948	933	98%	0	0	N/A
EB - SR58 EB Off Ramp	416	371	89%	30.6	C		143	132	92%	138	119	86%	135	121	89%
Intersection Total	***2,065***	***2,010***	***97%***	***15.2***											
30. Brundage Ln & Chester Ave															
NB - Chester Ave	536	520	97%	19.8	B	C	74	70	95%	402	392	98%	60	57	96%
SB - Chester Ave	1,046	1,044	100%	18.3	B		61	61	100%	811	816	101%	174	168	96%
EB - Brundage Ln	567	551	97%	30.6	C		132	134	101%	343	325	95%	92	92	100%
WB - Brundage Ln	552	552	100%	29.0	C		101	101	100%	401	397	99%	50	53	106%
Intersection Total	***2,701***	***2,667***	***99%***	***23.3***											
31. SR58 WB Ramp & Chester Ave															
NB - Chester Ave	470	465	99%	7.2	A	B	61	68	111%	409	397	97%	0	0	N/A
SB - Chester Ave	1,004	994	99%	21.3	C		0	0	N/A	840	828	99%	164	166	101%
WB - Richland St	464	445	96%	28.0	C		144	147	102%	193	177	92%	127	122	96%
Intersection Total	***1,938***	***1,905***	***98%***	***19.4***											
32. SR58 EB Ramp & Chester Ave															
NB - Chester Ave	561	558	99%	19.1	B	B	0	0	N/A	405	396	98%	156	162	104%
SB - Chester Ave	984	981	100%	13.7	B		231	240	104%	753	741	98%	0	0	N/A
EB - Frontage Rd	362	351	97%	26.2	C		65	67	102%	172	167	97%	125	117	94%
Intersection Total	***1,907***	***1,890***	***99%***	***17.6***											
33. Brundage Ln & Union Ave															
NB - Union Ave	1,249	1,230	98%	35.2	D	D	80	81	101%	881	871	99%	288	278	97%
SB - Union Ave	1,481	1,479	100%	38.0	D		104	117	113%	1,302	1,289	99%	75	73	97%
EB - Brundage Ln	416	415	100%	30.2	C		99	101	102%	211	204	97%	106	111	105%
WB - Brundage Ln	745	704	94%	34.0	C		262	252	96%	278	254	91%	205	198	96%
Intersection Total	***3,891***	***3,828***	***98%***	***35.5***											
34. SR58 EB Ramp & Union Ave															
NB - Union Ave	1,122	1,121	100%	9.3	A	A	0	0	N/A	879	879	100%	243	243	100%
SB - Union Ave	1,105	1,121	101%	9.9	A		0	0	N/A	1,105	1,121	101%	0	0	N/A
EB - SR58 EB Off Ramp	557	536	96%	9.9	A		370	360	97%	0	0	N/A	187	176	94%
Intersection Total	***2,784***	***2,778***	***100%***	***9.6***											
35. Brundage Ln & SR58 WB Ramps															
NB - SR58 WB Off Ramp	350	327	93%	24.1	C	C	303	284	94%	35	32	92%	12	11	90%
SB - Liggett St	77	76	98%	19.7	B		5	5	108%	35	34	98%	37	36	98%
EB - Brundage Ln	576	588	102%	20.1	C		32	36	113%	391	401	102%	153	151	99%
WB - Brundage Ln	438	436	100%	26.9	C		61	59	96%	368	368	100%	9	10	108%
Intersection Total	***1,441***	***1,427***	***99%***	***23.1***											

NO-BUILD CONDITIONS

CORSIM

MAINLINE DATA

CENTENNIAL CORSIM ANALYSIS RESULTS

Year 2018 No-Build - AM

Freeway Segment	SOV																		
	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	4,940	4,947	100%	50	1	63	20	C	50	4346	69	2	1237	0	0	0	4,648	5748414	17
White Ln Off Ramp to White Ln Loop On Ramp	4,260	4,242	100%	19	1	63	17	B	69	1420	23	1	1061	0	0	0	1,768	1874964	6
White Ln Loop On Ramp to White Ln Direct On Ramp	5,850	5,156	88%	7	1	56	23	C	76	542	10	1	1289	0	0	0	555	715395	2
White Ln Direct On Ramp to Ming Ave Off Ramp	6,540	5,977	91%	76	5	60	25	C	152	7566	126	9	1494	0	0	0	6,695	10004422	32
Ming Ave Off Ramp to Ming Ave On Ramp	6,025	5,519	92%	34	10	51	28	D	185	2658	52	15	1380	0	0	0	2,291	3161007	12
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	7,345	6,867	93%	19	8	33	45	F	204	1205	36	16	1717	1	30	6	926	1589711	8
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	5,240	4,775	91%	32	2	62	19	C	236	2614	42	2	1194	0	0	0	2,890	3449938	11
Wible Rd On Ramp to SR58 WB On Ramp	5,830	5,272	90%	9	0	61	21	C	246	843	14	1	1318	0	0	0	844	1112392	3
SR58 WB On Ramp to California Ave Off Ramp	7,115	6,551	92%	35	4	59	27	D	281	3753	64	6	1638	0	0	0	3,000	4913500	15
California Ave Off Ramp to California Ave Loop On Ramp	5,970	5,524	93%	16	1	62	22	C	297	1560	25	1	1381	0	0	0	1,491	2059071	6
California Ave Loop On Ramp to California Ave Direct On Ramp	6,505	6,007	92%	9	1	61	25	C	306	893	15	1	1502	0	0	0	785	1178874	4
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	6,740	5,959	88%	32	2	60	23	C	338	3128	52	3	1324	0	0	0	2,800	3708030	12
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	4,590	4,217	92%	17	1	62	17	B	354	1198	19	1	1054	0	0	0	1,500	1581375	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	3,765	3,458	92%	24	1	63	14	B	378	1437	23	1	865	0	0	0	2,194	1896713	6
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	4,150	3,824	92%	33	2	61	16	B	411	2173	35	2	956	0	0	0	3,000	2867625	9
Airport Dr Off Ramp to SR99 NB north end of the network	2,615	2,411	92%	40	1	63	9	A	451	1702	27	1	603	0	0	0	3,726	2245847	7
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,195	3,214	101%	48	1	64	13	B	48	2741	43	1	804	0	0	0	4,498	3614143	11
Airport Dr On Ramp to Rosedale Hwy Off Ramp	4,460	4,455	100%	31	2	61	18	C	79	2379	39	2	1114	0	0	0	2,800	3118733	10
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	3,800	3,807	100%	25	1	63	15	B	104	1637	26	1	952	0	0	0	2,271	2161424	7
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	4,700	4,746	101%	9	1	58	18	B	113	719	12	1	1187	0	0	0	800	949200	3
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	5,880	5,903	100%	38	4	58	25	C	152	3608	63	7	1476	0	0	0	3,200	4722400	15
California Ave Off Ramp to California Ave On Ramp	4,775	4,770	100%	13	1	62	19	C	165	1111	18	1	1193	0	0	0	1,229	1465583	4
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	5,200	5,179	100%	28	2	59	21	C	193	2388	40	3	1295	0	0	0	2,433	3149924	10
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	3,555	3,559	100%	40	1	63	14	B	233	2504	40	1	890	0	0	0	3,714	3304532	10
SR58 WB On Ramp to Real Rd On Ramp	4,840	4,484	93%	5	1	51	22	C	238	323	6	1	1121	0	0	0	381	427101	2
Real Rd On Ramp to Ming Ave Off Ramp	5,230	5,110	98%	23	2	58	20	C	261	1877	32	3	1277	0	0	0	1,946	2485853	8
Ming Ave Off Ramp to Ming Ave On Ramp	4,230	4,106	97%	35	1	63	16	B	296	2525	40	1	1026	0	0	0	3,247	3332640	10
Ming Ave On Ramp to White Ln Off Ramp	4,725	4,598	97%	60	3	62	18	B	356	4714	76	3	1150	0	0	0	5,403	6211086	18
White Ln Off Ramp to White Ln Loop On Ramp	3,360	3,248	97%	19	0	63	13	B	375	1089	17	0	812	0	0	0	1,770	1437240	4
White Ln Loop On Ramp to White Ln Direct On Ramp	3,540	3,411	96%	10	0	63	14	B	385	577	9	0	853	0	0	0	894	762359	2
White Ln Direct On Ramp to SR99 SB south end of the network	3,890	3,581	92%	52	1	63	14	B	436	3239	51	1	895	0	0	0	4,777	4276609	13

CENTENNIAL CORSIM ANALYSIS RESULTS

Year 2018 No-Build - AM

Freeway Segment	SOV																		
	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
WSP EB Mainline																			
WSP west end of the network to Allen Rd Off Ramp	835	779	93%	55	1	64	4	A	55	766	12	0	260	0	0	0	5,195	1348226	4
Allen Rd Off Ramp to Allen Rd On Ramp	770	740	96%	115	3	62	5	A	170	1461	24	1	247	0	0	0	10,695	2636318	11
Allen Rd On Ramp to Calloway Dr Off Ramp	2,195	2,133	97%	58	2	63	11	B	228	2160	34	1	711	0	0	0	5,338	3794962	11
Calloway Dr Off Ramp to Calloway Dr Loop On Ramp	1,690	1,681	99%	24	0	64	9	A	252	728	11	0	560	0	0	0	2,288	1281661	4
Calloway Dr Loop On Ramp to Calloway Dr Direct On Ramp	2,155	2,080	97%	11	0	63	11	B	263	394	6	0	693	0	0	0	1,000	693333	2
Calloway Dr Direct On Ramp to Coffee Dr Off Ramp	3,210	3,148	98%	49	3	61	17	B	312	2616	43	3	1049	0	0	0	4,373	4589318	14
Coffee Dr Off Ramp to Coffee Dr Loop On Ramp	1,985	1,921	97%	23	0	64	10	A	335	768	12	0	640	0	0	0	2,111	1351509	4
Coffee Dr Loop On Ramp to Coffee Dr Direct On Ramp	2,300	2,212	96%	11	0	64	9	A	345	419	7	0	553	0	0	0	1,000	553000	2
Coffee Dr Direct On Ramp to Mohawk St Off Ramp	2,655	2,544	96%	53	1	63	10	A	399	2392	38	1	636	0	0	0	4,954	3150538	9
Mohawk St Off Ramp to Mohawk St On Ramp	1,575	1,455	92%	24	0	64	11	B	423	630	10	0	728	0	0	0	2,286	1663065	5
Mohawk St On Ramp to WSP east end of the network	1,575	1,459	93%	32	1	54	14	B	455	709	13	0	730	0	0	0	2,609	1903266	7
WSP WB Mainline																			
WSP east end of the network to Mohawk St Loop On Ramp	1,050	1,091	104%	26	1	56	10	A	26	437	8	0	545	0	0	0	2,162	1179101	4
Mohawk St Loop On Ramp to Mohawk St Direct Ramp	1,730	1,744	101%	14	1	63	9	A	40	431	7	0	581	0	0	0	1,300	755733	2
Mohawk St Direct Ramp to Coffee Dr Off Ramp	2,450	2,370	97%	42	1	62	9	A	82	1728	28	1	527	0	0	0	3,858	2031451	7
Coffee Dr Off Ramp to Coffee Dr Loop On Ramp	1,325	1,264	95%	35	0	64	5	A	117	791	12	0	316	0	0	0	3,308	1044915	3
Coffee Dr Loop On Ramp to Coffee Dr Direct On Ramp	1,510	1,426	94%	12	0	64	6	A	130	311	5	0	356	0	0	0	1,150	409831	1
Coffee Dr Direct On Ramp to Calloway Dr Direct Off Ramp	1,740	1,658	95%	47	1	64	7	A	177	1392	22	0	415	0	0	0	4,423	1833334	6
Calloway Dr Direct Off Ramp to Calloway Dr Loop Off Ramp	1,545	1,450	94%	11	0	63	8	A	188	274	4	0	363	0	0	0	1,000	362500	1
Calloway Dr Loop Off Ramp to Calloway Dr On Ramp	1,115	1,066	96%	24	0	64	6	A	212	456	7	0	355	0	0	0	2,258	802343	2
Calloway Dr On Ramp to Allen Rd Off Ramp	1,355	1,322	98%	56	1	64	7	A	268	1315	21	0	441	0	0	0	5,238	2308910	7
Allen Rd Off Ramp to Allen Rd On Ramp	605	623	103%	26	0	64	3	A	295	292	5	0	208	0	0	0	2,473	513560	2
Allen Rd On Ramp to WSP West end of the network	705	739	105%	89	1	64	5	A	383	1168	18	0	246	0	0	0	8,347	2054952	8
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	1,195	1,250	105%	42	3	56	11	B	42	823	15	1	625	0	0	0	3,523	2200994	7
SR99 On Ramp to H St Off Ramp	3,960	3,964	100%	10	1	59	23	C	52	655	11	1	1321	0	0	0	870	1149560	4
H St Off Ramp to Chester Ave On Ramp	3,475	3,499	101%	36	1	62	19	C	88	2163	35	1	1166	0	0	0	3,265	3808078	12
Chester Ave On Ramp to Union Ave Off Ramp	4,030	3,993	99%	27	2	60	22	C	115	1833	30	2	1331	0	0	0	2,419	3219689	10
Union Ave Off Ramp to Union Ave Loop On Ramp	3,175	3,168	100%	17	1	63	17	B	132	920	15	0	1056	0	0	0	1,533	1618848	5
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,420	3,388	99%	8	0	62	18	C	140	474	8	0	1129	0	0	0	739	834577	3
Union Ave Direct On Ramp to Cottonwood Rd Off Ramp	3,650	3,641	100%	31	1	62	20	C	171	1934	31	1	1214	0	0	0	2,800	3397956	10
Cottonwood Rd Off Ramp to Cottonwood Rd On Ramp	3,190	3,198	100%	28	1	63	17	B	199	1546	25	1	1066	0	0	0	2,553	2721498	8
Cottonwood Rd On Ramp to SR58 east end of the network	3,420	3,428	100%	25	1	62	18	C	224	1496	24	1	1143	0	0	0	2,304	2632448	8
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp(Cottonwood Rd)	3,600	3,619	101%	26	1	64	19	C	26	1646	26	1	1206	0	0	0	2,401	2896673	9
Brundage Ln Off Ramp(Cottonwood Rd) to Brundage Ln On Ramp(Cottonwood Rd)	3,355	3,336	99%	18	1	63	18	B	43	1025	16	0	1112	0	0	0	1,622	1803664	5
Brundage Ln On Ramp(Cottonwood Rd) to Brundage Ln Off Ramp(Union Ave)	3,585	3,550	99%	38	1	63	19	C	81	2349	38	1	1183	0	0	0	3,491	4130629	13
Brundage Ln Off Ramp(Union Ave) to Brundage Ln On Ramp(Union Ave)	3,055	3,035	99%	17	1	63	16	B	98	896	14	1	1012	0	0	0	1,558	1576177	5
Brundage Ln On Ramp (Union Ave) to Union Ave On Ramp	3,270	3,239	99%	12	1	62	17	B	110	664	11	0	1080	0	0	0	1,082	1168199	4
Union Ave On Ramp to Chester Ave Off Ramp	3,615	3,555	98%	23	1	61	19	C	133	1385	23	1	1185	0	0	0	2,060	2441329	8
Chester Ave Off Ramp to H St On Ramp	3,010	2,990	99%	39	1	63	16	B	172	2026	32	1	997	0	0	0	3,579	3566474	11
H St On Ramp to SR99 NB Off Ramp	3,500	3,391	97%	27	2	60	19	C	199	1511	25	2	1130	0	0	0	2,350	2656022	8
SR99 NB Off Ramp to SR99 SB Off Ramp	2,215	2,172	98%	25	1	60	12	B	223	898	15	1	724	0	0	0	2,163	1565652	5

CENTENNIAL CORSIM ANALYSIS RESULTS

Year 2018 No-Build - PM

Freeway Segment	SOV																		
	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	4,590	4,604	100%	50	1	63	18	C	50	4043	64	2	1151	0	0	0	4,648	5349267	16
White Ln Off Ramp to White Ln Loop On Ramp	3,905	3,899	100%	19	1	63	15	B	69	1305	21	1	975	0	0	0	1,768	1723358	5
White Ln Loop On Ramp to White Ln Direct On Ramp	5,360	5,139	96%	7	1	57	23	C	76	540	10	1	1285	0	0	0	555	713036	2
White Ln Direct On Ramp to Ming Ave Off Ramp	5,915	5,875	99%	75	5	61	24	C	151	7434	123	8	1469	0	0	0	6,695	9832444	31
Ming Ave Off Ramp to Ming Ave On Ramp	5,290	5,322	101%	28	4	58	23	C	179	2373	41	6	1331	0	0	0	2,291	3048176	10
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	6,535	6,561	100%	17	6	38	38	E	195	1151	30	11	1640	1	29	1	926	1518872	7
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	4,630	4,665	101%	32	1	62	19	C	227	2554	41	2	1166	0	0	0	2,890	3370463	10
Wible Rd On Ramp to SR58 WB On Ramp	5,240	5,190	99%	9	1	61	21	C	237	830	14	1	1298	0	0	0	844	1095090	3
SR58 WB On Ramp to California Ave Off Ramp	6,670	6,611	99%	35	3	59	27	D	272	3797	64	6	1653	0	0	0	3,000	4958250	15
California Ave Off Ramp to California Ave Loop On Ramp	5,900	5,832	99%	16	1	62	24	C	288	1647	27	1	1458	0	0	0	1,491	2173878	7
California Ave Loop On Ramp to California Ave Direct On Ramp	6,590	6,435	98%	9	1	60	27	D	297	957	16	1	1609	0	0	0	785	1262869	4
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	6,910	6,507	94%	32	2	59	26	C	329	3397	58	4	1446	0	0	0	2,800	4048800	14
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	5,060	4,889	97%	16	1	62	20	C	345	1389	22	1	1222	0	0	0	1,500	1833375	6
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	4,660	4,469	96%	24	1	63	18	B	369	1857	30	1	1117	0	0	0	2,194	2451247	7
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	5,280	5,065	96%	34	2	60	21	C	403	2879	48	3	1266	0	0	0	3,000	3798375	12
Airport Dr Off Ramp to SR99 NB north end of the network	3,935	3,764	96%	40	1	63	15	B	443	2657	42	1	941	0	0	0	3,726	3506166	11
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,520	3,533	100%	48	1	64	14	B	48	3013	47	1	883	0	0	0	4,498	3972859	12
Airport Dr On Ramp to Rosedale Hwy Off Ramp	5,275	5,302	101%	32	3	60	22	C	80	2836	47	4	1326	0	0	0	2,800	3711400	12
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,600	4,607	100%	25	1	62	18	C	105	1982	32	1	1152	0	0	0	2,271	2615624	8
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,905	6,043	102%	12	3	46	28	D	116	916	20	5	1511	0	0	0	800	1208600	4
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	7,240	7,469	103%	41	7	55	33	D	157	4661	85	15	1867	0	0	0	3,200	5975200	20
California Ave Off Ramp to California Ave On Ramp	6,155	6,370	103%	14	1	59	27	D	172	1483	25	2	1593	0	0	0	1,229	1957183	6
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	7,080	7,215	102%	35	9	49	36	E	207	3450	71	19	1804	0	0	0	2,433	4388727	17
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	5,105	5,152	101%	41	2	62	21	C	248	3623	58	3	1288	0	0	0	3,714	4783632	15
SR58 WB On Ramp to Real Rd On Ramp	6,535	6,105	93%	7	3	39	39	E	254	440	11	5	1526	1	11	0	381	581501	3
Real Rd On Ramp to Ming Ave Off Ramp	7,005	6,961	99%	26	5	52	32	D	280	2564	50	10	1740	0	0	0	1,946	3386689	12
Ming Ave Off Ramp to Ming Ave On Ramp	5,380	5,346	99%	36	1	62	21	C	316	3287	53	2	1337	0	0	0	3,247	4339616	13
Ming Ave On Ramp to White Ln Off Ramp	6,025	6,018	100%	61	4	61	24	C	377	6184	102	7	1504	0	0	0	5,403	8128476	24
White Ln Off Ramp to White Ln Loop On Ramp	3,995	3,996	100%	19	1	63	16	B	396	1340	21	1	999	0	0	0	1,770	1768230	5
White Ln Loop On Ramp to White Ln Direct On Ramp	4,490	4,446	99%	10	0	62	18	B	406	753	12	1	1112	0	0	0	894	993681	3
White Ln Direct On Ramp to SR99 SB south end of the network	4,940	4,739	96%	52	2	62	19	C	458	4284	69	3	1185	0	0	0	4,777	5658954	17

CENTENNIAL CORSIM ANALYSIS RESULTS

Year 2018 No-Build - PM

Freeway Segment	SOV																		
	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
WSP EB Mainline																			
WSP west end of the network to Allen Rd Off Ramp	830	783	94%	83	2	62	6	A	83	1107	18	0	261	0	0	0	7,689	2006829	8
Allen Rd Off Ramp to Allen Rd On Ramp	745	721	97%	32	0	65	4	A	114	410	6	0	240	0	0	0	3,006	722442	2
Allen Rd On Ramp to Calloway Dr Off Ramp	1,840	1,812	98%	58	2	63	10	A	172	1836	29	1	604	0	0	0	5,338	3224152	10
Calloway Dr Off Ramp to Calloway Dr Loop On Ramp	1,405	1,413	101%	24	0	64	7	A	197	612	10	0	471	0	0	0	2,288	1077648	3
Calloway Dr Loop On Ramp to Calloway Dr Direct On Ramp	1,745	1,710	98%	11	0	63	9	A	208	324	5	0	570	0	0	0	1,000	570000	2
Calloway Dr Direct On Ramp to Coffee Dr Off Ramp	2,605	2,567	99%	48	2	62	13	B	256	2133	34	2	856	0	0	0	4,373	3741830	11
Coffee Dr Off Ramp to Coffee Dr Loop On Ramp	1,725	1,716	99%	23	0	64	9	A	278	686	11	0	572	0	0	0	2,111	1207257	4
Coffee Dr Loop On Ramp to Coffee Dr Direct On Ramp	2,140	2,118	99%	11	0	63	8	A	289	401	6	0	530	0	0	0	1,000	529500	2
Coffee Dr Direct On Ramp to Mohawk St Off Ramp	2,600	2,551	98%	54	1	63	10	A	343	2399	38	1	638	0	0	0	4,954	3159620	9
Mohawk St Off Ramp to Mohawk St On Ramp	1,265	1,203	95%	25	0	64	9	A	367	521	8	0	601	0	0	0	2,286	1374458	4
Mohawk St On Ramp to WSP east end of the network	1,265	1,202	95%	32	0	54	12	B	400	584	11	0	601	0	0	0	2,609	1568335	6
WSP WB Mainline																			
WSP east end of the network to Mohawk St Loop On Ramp	1,525	1,389	91%	26	1	56	13	B	26	557	10	0	695	0	0	0	2,162	1501509	5
Mohawk St Loop On Ramp to Mohawk St Direct Ramp	2,605	2,435	93%	14	1	62	13	B	40	602	10	0	812	0	0	0	1,300	1054950	3
Mohawk St Direct Ramp to Coffee Dr Off Ramp	3,850	3,502	91%	42	1	62	13	B	83	2558	41	1	778	0	0	0	3,858	3001953	9
Coffee Dr Off Ramp to Coffee Dr Loop On Ramp	2,565	2,282	89%	35	0	64	9	A	118	1430	22	0	571	0	0	0	3,308	1887214	6
Coffee Dr Loop On Ramp to Coffee Dr Direct On Ramp	2,855	2,533	89%	12	0	64	10	A	130	552	9	0	633	0	0	0	1,150	728238	2
Coffee Dr Direct On Ramp to Calloway Dr Direct Off Ramp	3,420	3,067	90%	48	2	63	13	B	178	2587	41	2	767	0	0	0	4,423	3391556	11
Calloway Dr Direct Off Ramp to Calloway Dr Loop Off Ramp	2,915	2,598	89%	11	0	61	14	B	190	492	8	0	650	0	0	0	1,000	649500	3
Calloway Dr Loop Off Ramp to Calloway Dr On Ramp	1,810	1,653	91%	24	0	64	9	A	214	707	11	0	551	0	0	0	2,258	1243782	4
Calloway Dr On Ramp to Allen Rd Off Ramp	2,360	2,225	94%	58	2	62	11	B	272	2220	36	1	742	0	0	0	5,238	3885199	11
Allen Rd Off Ramp to Allen Rd On Ramp	795	797	100%	26	0	64	4	A	298	373	6	0	266	0	0	0	2,473	656582	2
Allen Rd On Ramp to WSP west end of the network	865	872	101%	89	1	64	6	A	386	1377	21	0	291	0	0	0	8,347	2426592	9
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	1,085	1,083	100%	42	2	56	10	A	42	712	13	1	542	0	0	0	3,523	1907705	6
SR99 On Ramp to H St Off Ramp	3,920	3,963	101%	10	1	58	23	C	52	655	11	1	1321	0	0	0	870	1149125	4
H St Off Ramp to Chester Ave On Ramp	3,480	3,527	101%	36	1	62	19	C	88	2181	35	1	1176	0	0	0	3,265	3838552	12
Chester Ave On Ramp to Union Ave Off Ramp	4,165	4,149	100%	27	2	60	23	C	115	1904	32	2	1383	0	0	0	2,419	3345477	11
Union Ave Off Ramp to Union Ave Loop On Ramp	3,570	3,567	100%	17	1	62	19	C	132	1035	17	1	1189	0	0	0	1,533	1822737	6
Union Ave Loop On Ramp to Union Ave Direct On Ramp	3,985	3,873	97%	8	0	61	21	C	140	542	9	0	1291	0	0	0	739	954049	3
Union Ave Direct On Ramp to Cottonwood Rd Off Ramp	4,300	4,217	98%	31	2	61	23	C	171	2241	36	2	1406	0	0	0	2,800	3936178	12
Cottonwood Rd Off Ramp to Cottonwood Rd On Ramp	3,890	3,794	98%	28	1	62	20	C	199	1835	30	1	1265	0	0	0	2,553	3228694	10
Cottonwood Rd On Ramp to SR58 east end of the network	4,230	4,123	97%	25	1	62	22	C	225	1799	29	1	1374	0	0	0	2,304	3166208	10
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp(Cottonwood Rd)	3,490	3,512	101%	26	1	64	18	C	26	1597	25	0	1171	0	0	0	2,401	2811037	8
Brundage Ln Off Ramp(Cottonwood Rd) to Brundage Ln On Ramp(Cottonwood Rd)	3,285	3,268	99%	18	0	63	17	B	43	1004	16	0	1089	0	0	0	1,622	1766899	5
Brundage Ln On Ramp(Cottonwood Rd) to Brundage Ln Off Ramp(Union Ave)	3,665	3,659	100%	38	2	62	20	C	82	2421	39	2	1220	0	0	0	3,491	4258244	13
Brundage Ln Off Ramp(Union Ave) to Brundage Ln On Ramp(Union Ave)	3,170	3,147	99%	17	1	62	17	B	99	929	15	1	1049	0	0	0	1,558	1634342	5
Brundage Ln On Ramp (Union Ave) to Union Ave On Ramp	3,525	3,453	98%	12	1	62	19	C	111	707	11	1	1151	0	0	0	1,082	1245382	4
Union Ave On Ramp to Chester Ave Off Ramp	4,055	3,906	96%	23	1	61	21	C	134	1522	25	1	1302	0	0	0	2,060	2682349	8
Chester Ave Off Ramp to H St On Ramp	3,440	3,352	97%	39	1	62	18	B	173	2272	36	1	1117	0	0	0	3,579	3998936	12
H St On Ramp to SR99 NB Off Ramp	3,945	3,785	96%	27	2	60	21	C	200	1688	28	2	1262	0	0	0	2,350	2964656	9
SR99 NB Off Ramp to SR99 SB Off Ramp	2,515	2,423	96%	25	1	60	14	B	225	1002	17	1	808	0	0	0	2,163	1746623	6

Year 2018- No-Build - CORSIM ORIGIN-DESTINATION (O.D.) TABLE

SR-99 Traffic Operations - White Ln. to Airport Dr.

AM PEAK

SR-99 NB

Exit Location

Entry Location			Name	White Ln Off			Ming Ave Off			SR-58 EB/Wible Rd Off			California Ave Off			Rosedale Hwy Off			Buck Owens Blvd Off			Airport Dr Off			SR-99 NB		
			Node #	298			303			306			151			96			128			98			164		
Name	Node #	Volume		Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume
SR-99 NB	163	4940		680	14	4260	401	8	3859	926	19	2933	511	10	2422	857	17	1565	319	6	1246	495	10	751	751	15	0
White Ln Loop On	533	1590			X	1590	80	5	1511	362	23	1148	200	13	948	335	21	613	125	8	488	194	12	294	294	18	0
White Ln Direct On	299	690			X	690	35	5	656	157	23	498	87	13	411	146	21	266	54	8	212	84	12	128	128	18	0
Ming Ave On	305	1320			X	1320		X	1320	660	50	660	115	9	545	193	15	352	72	5	280	111	8	169	169	13	0
Wible Rd On	307	590			X	590		X	590		X	590	103	17	487	172	29	315	64	11	251	100	17	151	151	26	0
SR-58 WB On	310	1285			X	1285		X	1285		X	1285	129	10	1157	409	32	747	152	12	595	237	18	359	358	28	0
California Ave Loop On	132	535			X	535		X	535		X	535		X	535	27	5	508	27	5	482	191	36	290	290	54	0
California Ave Direct On	130	235			X	235		X	235		X	235		X	235	12	5	223	12	5	212	84	36	127	127	54	0
Buck-Owens Blvd On	97	385			X	385		X	385		X	385		X	385		X	385		X	385	39	10	347	346	90	0
				680			515			2105			1145			2150			825			1535			2614		

AM PEAK

SR-99 SB

Exit Location

Entry Location			Name	Rosedale Hwy Off			California Ave Off			SR-58 EB/Stockdale Hwy Off			Ming Ave Off			White Ln Off			SR-99 SB		
			Node #	102			105			313			316			322			95		
Name	Node #	Volume		Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume
SR-99 SB	100	3195		597	19	2598	684	21	1914	642	20	1272	305	10	967	306	10	660	660	21	0
Airport Dr On	101	1265		63	5	1202	317	25	885	297	23	588	141	11	447	142	11	305	305	24	0
Rosedale Hwy Loop On	103	900			X	900	45	5	855	287	32	568	136	15	432	137	15	295	295	33	0
Rosedale Hwy Direct On	104	1180			X	1180	59	5	1121	376	32	745	178	15	566	179	15	387	387	33	0
California Ave On	137	425			X	425		X	425	43	10	383	92	22	291	92	22	199	199	47	0
SR-58 WB On	314	1285			X	1285		X	1285		X	1285	129	10	1157	366	29	790	790	61	0
Real Rd On	315	390			X	390		X	390		X	390	20	5	371	117	30	253	253	65	0
Ming Ave On	318	495			X	495		X	495		X	495		X	495	25	5	470	470	95	0
White Ln Loop On	323	180			X	180		X	180		X	180		X	180		X	180	180	100	0
White Ln Direct On	324	350			X	350		X	350		X	350		X	350		X	350	350	100	0
				660			1105			1645			1000			1365			3889		

Westside Parkway/SR-58 Traffic Operations - West Beltway to Cottonwood Rd.

AM PEAK

WSP/SR-58 EB

Exit Location

Entry Location			Name	Allen Rd Off			Calloway Dr Off			Coffee Rd Off			Mohawk St Off			Truxtun Ave Off			H St Off			Union Ave Off			Cottonwood Rd Off			SR-58 EB		
			Node #	574			581			589			599			688			370			375			385			169		
Name	Node #	Volume		Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol%	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume
Westside Pkwy EB	568	835		65	8	770	434	52	336	229	27	108	57	7	51	51	6	0												
Allen Rd On	576	1425			X	1425	71	5	1354	920	65	433	228	16	205	205	14	0												
Calloway Dr Loop On	583	465			X	465		X	465	23	5	442	233	50	209	209	45	0												
Calloway Dr Direct On	584	1055			X	1055		X	1055	53	5	1002	528	50	474	474	45	0												
Coffee Rd Loop On	592	315			X	315		X	315		X	315	16	5	299	299	95	0												
Coffee Rd Direct On	593	355			X	355		X	355		X	355	18	5	337	337	95	0												
Mohawk St Direct On	601	0			X	0		X	0		X	0		X	0		X	0												
SR58 EB On	368	1195																	146	12	1049	250	21	799	110	9	689	689	58	0
SR-99 NB&SB On	369	2765																	339	12	2426	578	21	1849	254	9	1595	1595	58	0
Chester Ave On	372	555																		X	555	28	5	527	72	13	455	455	82	0
Union Ave Loop On	376	245																		X	245		X	245	12	5	233	233	95	0
Union Ave Direct On	377	230																		X	230		X	230	12	5	219	219	95	0
Cottonwood Rd On	386	230																		X	230		X	230		X	230	230	100	0
				65			505			1225			1080			1575			485			855			460			3420		

AM PEAK

WSP/SR-58 WB

Exit Location

Entry Location			Name	Brundage Ln Off (Cottonwood Rd)			Brundage Ln Off (Union Ave)			Chester Ave Off			SR-99 NB Off			SR-99 SB Off			Real Rd Off			Coffee Rd Off			Calloway Dr Direct Off			Calloway Dr Loop Off			Allen Rd Off			Westside Pkwy WB		
			Node #	404			390			395			399			401			562			34			61			62			69			77		
Name	Node #	Volume		Volume	Vol%	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol%	New Volume	Volume	Vol%	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol%	New Volume
SR-58 WB	162	3601		245	7	3356	519	14	2838	536	15	2302	870	24	1432	795	22	637	636	18	1														
Brundage Ln On (Cottonwood Rd)	387	230			X	230	12	5	219	41	18	177	67	29	110	61	27	49	49	21	0														
Brundage Ln On (Union Ave)	391	215			X	215		X	215	11	5	204	77	36	127	71	33	57	56	26	0														
Union Ave On	392	345			X	345		X	345	17	5	328	124	36	204	113	33	91	91	26	0														
H St On	397	490			X	490		X	490		X	490	147	30	343	245	50	98	98	20	0														
Truxtun Ave On	626	1050																				775	74	275	36	3	239	85	8	154	102	10	52	52	5	0
Mohawk St Loop On	28	680																				170	25	510	67	10	443	158	23	285	189	28	97	97	14	0
Mohawk St Direct On	30	720																				180	25	540	71	10	469	167	23	302	200	28	102	102	14	0
Coffee Rd Loop On	54	185																					X	185	9	5	176	9	5	167	110	60	56	56	30	0
Coffee Rd Direct On	56	230																					X	230	12	5	219	12	5	207	137	60	70	70	30	0
Calloway Dr On	64	240																					X	240		X	240		X	240	12	5	228	228	95	0
Allen Rd On	71	100																					X	100		X	100		X	100		X	100	100	100	0
				245			530			605			1285			1285			930			1125			195			430			750			705		

Year 2018- No-Build - CORSIM ORIGIN-DESTINATION (O.D.) TABLE

SR-99 Traffic Operations - White Ln. to Airport Dr.

PM PEAK

SR-99 NB

Exit Location

Entry Location			Name	White Ln Off			Ming Ave Off			SR-58 EB/Wible Rd Off			California Ave Off			Rosedale Hwy Off			Buck Owens Blvd Off			Airport Dr Off			SR-99 NB		
			Node #	298			303			306			151			96			128			98			164		
Name	Node #	Volume		Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume
SR-99 NB	163	4590		685	15	3905	525	11	3381	820	18	2561	306	7	2255	688	15	1567	134	3	1433	395	9	1039	1039	23	0
White Ln Loop On	533	1455			X	1455	73	5	1382	335	23	1047	125	9	922	281	19	641	55	4	586	161	11	425	425	29	0
White Ln Direct On	299	555			X	555	28	5	527	128	23	399	48	9	352	107	19	244	21	4	224	62	11	162	162	29	0
Ming Ave On	305	1245			X	1245		X	1245	623	50	623	74	6	548	167	13	381	32	3	348	96	8	252	252	20	0
Wible Rd On	307	610			X	610		X	610		X	610	73	12	537	164	27	373	32	5	341	94	15	247	247	41	0
SR-58 WB On	310	1430			X	1430		X	1430		X	1430	143	10	1287	393	27	894	76	5	818	225	16	593	593	41	0
California Ave Loop On	132	690			X	690		X	690		X	690		X	690	35	5	656	35	5	621	171	25	450	450	65	0
California Ave Direct On	130	320			X	320		X	320		X	320		X	320	16	5	304	16	5	288	79	25	209	209	65	0
Buck-Owens Blvd On	97	620			X	620		X	620		X	620		X	620		X	620		X	620	62	10	558	558	90	0
				685			625			1905			770			1850			400			1345			3935		

PM PEAK

SR-99 SB

Exit Location

Entry Location			Name	Rosedale Hwy Off			California Ave Off			SR-58 EB/Stockdale Hwy Off			Ming Ave Off			White Ln Off			SR-99 SB		
			Node #	102			105			313			316			322			95		
Name	Node #	Volume		Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume
SR-99 SB	100	3520		587	17	2933	608	17	2325	711	20	1614	461	13	1153	428	12	725	725	21	0
Airport Dr On	101	1755		88	5	1667	345	20	1322	404	23	918	262	15	655	243	14	412	412	23	0
Rosedale Hwy Loop On	103	1305			X	1305	65	5	1240	379	29	861	246	19	615	228	17	386	386	30	0
Rosedale Hwy Direct On	104	1335			X	1335	67	5	1268	388	29	880	252	19	629	234	17	395	395	30	0
California Ave On	137	925			X	925		X	925	93	10	833	238	26	595	221	24	374	374	40	0
SR-58 WB On	314	1430			X	1430		X	1430		X	1430	143	10	1287	478	33	809	809	57	0
Real Rd On	315	470			X	470		X	470		X	470	24	5	447	166	35	281	281	60	0
Ming Ave On	318	645			X	645		X	645		X	645		X	645	32	5	613	613	95	0
White Ln Loop On	323	495			X	495		X	495		X	495		X	495		X	495	495	100	0
White Ln Direct On	324	450			X	450		X	450		X	450		X	450		X	450	450	100	0
				675			1085			1975			1625			2030			4940		

Westside Parkway/SR-58 Traffic Operations - West Beltway to Cottonwood Rd.

PM PEAK

WSP/SR-58 EB

Exit Location

Entry Location			Name	Allen Rd Off			Calloway Dr Off			Coffee Rd Off			Mohawk St Off			Truxtun Ave Off			H St Off			Union Ave Off			Cottonwood Rd Off			SR-58 EB		
			Node #	574			581			589			599			688			370			375			385			169		
Name	Node #	Volume		Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol%	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume
Westside Pkwy EB	568	830		85	10	745	380	46	365	213	26	152	114	14	38	38	5	0												
Allen Rd On	576	1095			X	1095	55	5	1040	607	55	433	324	30	109	109	10	0												
Calloway Dr Loop On	583	340			X	340		X	340	17	5	323	242	71	81	81	24	0												
Calloway Dr Direct On	584	860			X	860		X	860	43	5	817	612	71	205	206	24	0												
Coffee Rd Loop On	592	415			X	415		X	415		X	415	21	5	394	395	95	0												
Coffee Rd Direct On	593	460			X	460		X	460		X	460	23	5	437	437	95	0												
Mohawk St Direct On	601	0			X	0		X	0		X	0		X	0		X	0												
SR58 EB On	368	1085																	157	14	929	150	14	779	81	8	697	697	64	0
SR-99 NB&SB On	369	2835																	284	10	2552	411	15	2140	224	8	1916	1916	68	0
Chester Ave On	372	685																		X	685	34	5	651	68	10	583	583	85	0
Union Ave Loop On	376	415																		X	415		X	415	21	5	394	394	95	0
Union Ave Direct On	377	315																		X	315		X	315	16	5	299	299	95	0
Cottonwood Rd On	386	340																		X	340		X	340		X	340	340	100	0
				85			435			880			1335			1266			440			595			410			4230		

PM PEAK

WSP/SR-58 WB

Exit Location

Entry Location			Name	Brundage Ln Off (Cottonwood Rd)			Brundage Ln Off (Union Ave)			Chester Ave Off			SR-99 NB Off			SR-99 SB Off			Real Rd Off			Coffee Rd Off			Calloway Dr Direct Off			Calloway Dr Loop Off			Allen Rd Off			Westside Pkwy WB		
			Node #	404			390			395			399			401			562			34			61			62			69			77		
Name	Node #	Volume		Volume	Vol%	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol%	New Volume	Volume	Vol%	New Volume	14	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume
SR-58 WB	162	3490		205	6	3285	476	14	2809	506	14	2303	856	25	1447	788	23	659	659	19	0															
Brundage Ln On (Cottonwood Rd)	387	380			X	380	19	5	361	65	17	296	110	29	186	101	27	85	85	22	0															
Brundage Ln On (Union Ave)	391	355			X	355		X	355	18	5	337	125	35	212	115	33	96	96	27	0															
Union Ave On	392	530			X	530		X	530	27	5	504	187	35	316	172	33	144	144	27	0															
H St On	397	505			X	505		X	505		X	505	152	30	354	253	50	101	101	20	0															
Truxtun Ave On	626	1525																				704	46	821	148	10	673	340	22	333	283	19	50	50	3	0
Mohawk St Loop On	28	1080																				270	25	810	146	14	664	335	31	329	279	26	49	49	5	0
Mohawk St Direct On	30	1245																				311	25	934	168	14	765	387	31	379	322	26	57	57	5	0
Coffee Rd Loop On	54	290																					X	290	15	5	276	15	5	261	222	76	39	39	14	0
Coffee Rd Direct On	56	565																					X	565	28	5	537	28	5	509	432	76	77	77	14	0
Calloway Dr On	64	550																					X	550		X	550		X	550	28	5	523	523	95	0
Allen Rd On	71	70																					X	70		X	70		X	70		X	70	70	100	0
				205			495			615			1430			1430			1085			1285			505			1105			1565			865		

CENTENNIAL CORSIM ANALYSIS RESULTS

Year 2038 No-Build - AM

Freeway Segment	SOV																		
	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	7,025	6,570	94%	86	36	38	44	E	86	5886	156	66	1643	1	147	9	4,648	7634340	39
White Ln Off Ramp to White Ln Loop On Ramp	5,960	5,527	93%	30	11	41	34	D	115	1850	46	17	1382	0	0	0	1,768	2442934	11
White Ln Loop On Ramp to White Ln Direct On Ramp	7,565	5,850	77%	14	8	28	53	F	129	615	22	13	1463	1	15	7	555	811688	6
White Ln Direct On Ramp to Ming Ave Off Ramp	8,260	6,159	75%	197	125	23	66	F	326	7838	337	214	1540	2	196	141	6,695	10309045	84
Ming Ave Off Ramp to Ming Ave On Ramp	7,470	5,204	70%	85	59	18	72	F	411	2232	123	85	1301	2	56	67	2,291	2980591	31
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	9,055	6,807	75%	20	9	32	47	F	431	1194	37	17	1702	1	30	7	926	1575821	8
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	6,230	4,624	74%	32	2	61	19	C	463	2531	41	2	1156	0	0	0	2,890	3340840	10
Wible Rd On Ramp to SR58 WB On Ramp	6,870	5,135	75%	9	1	61	21	C	472	820	13	1	1284	0	0	0	844	1083485	3
SR58 WB On Ramp to California Ave Off Ramp	8,655	6,950	80%	36	4	58	29	D	508	4020	69	8	1738	0	0	0	3,000	5212750	17
California Ave Off Ramp to California Ave Loop On Ramp	7,475	5,982	80%	16	1	62	24	C	525	1689	27	1	1496	0	0	0	1,491	2229791	7
California Ave Loop On Ramp to California Ave Direct On Ramp	8,040	6,396	80%	9	1	60	26	D	534	951	16	1	1599	0	0	0	785	1255215	4
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	8,280	6,349	77%	32	2	60	25	C	565	3333	56	3	1411	0	0	0	2,800	3950696	13
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	5,840	4,599	79%	17	1	62	19	C	582	1307	21	1	1150	0	0	0	1,500	1724625	5
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	5,015	3,917	78%	24	1	63	16	B	606	1628	26	1	979	0	0	0	2,194	2148475	6
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	5,615	4,451	79%	34	2	61	18	C	639	2531	42	3	1113	0	0	0	3,000	3338250	10
Airport Dr Off Ramp to SR99 NB north end of the network	3,865	3,168	82%	40	1	63	13	B	680	2237	35	1	792	0	0	0	3,726	2950526	9
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	3,895	3,918	101%	48	1	64	15	B	48	3342	52	1	980	0	0	0	4,498	4405791	13
Airport Dr On Ramp to Rosedale Hwy Off Ramp	5,320	5,329	100%	32	3	60	22	C	80	2859	48	4	1332	0	0	0	2,800	3730300	12
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	4,245	4,296	101%	25	1	63	17	B	105	1848	30	1	1074	0	0	0	2,271	2439054	7
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	5,395	5,499	102%	9	1	59	19	C	114	833	14	1	1375	0	0	0	800	1099800	3
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	7,085	7,192	102%	40	6	55	30	D	155	4460	81	13	1798	0	0	0	3,200	5753600	18
California Ave Off Ramp to California Ave On Ramp	5,885	5,928	101%	14	1	62	23	C	168	1379	22	1	1482	0	0	0	1,229	1821378	5
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	6,605	6,629	100%	30	5	55	27	D	199	3076	56	8	1657	0	0	0	2,433	4032089	13
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	4,715	4,728	100%	41	2	62	18	B	239	3326	53	2	1182	0	0	0	3,714	4389948	13
SR58 WB On Ramp to Real Rd On Ramp	6,265	5,829	93%	6	2	42	34	D	245	420	10	4	1457	0	0	0	381	555212	2
Real Rd On Ramp to Ming Ave Off Ramp	6,775	6,721	99%	24	4	54	28	D	270	2469	45	7	1680	0	0	0	1,946	3269767	11
Ming Ave Off Ramp to Ming Ave On Ramp	5,545	5,410	98%	36	1	62	21	C	305	3327	53	2	1353	0	0	0	3,247	4391568	13
Ming Ave On Ramp to White Ln Off Ramp	6,235	6,043	97%	60	3	61	24	C	366	6198	101	6	1511	0	0	0	5,403	8162582	24
White Ln Off Ramp to White Ln Loop On Ramp	4,740	4,628	98%	19	1	63	18	C	385	1552	25	1	1157	0	0	0	1,770	2047890	6
White Ln Loop On Ramp to White Ln Direct On Ramp	4,950	4,828	98%	10	0	62	19	C	395	818	13	1	1207	0	0	0	894	1079058	3
White Ln Direct On Ramp to SR99 SB south end of the network	5,410	4,952	92%	52	2	62	20	C	447	4478	72	3	1238	0	0	0	4,777	5913926	18

CENTENNIAL CORSIM ANALYSIS RESULTS

Year 2038 No-Build - AM

Freeway Segment	SOV																		
	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
WSP EB Mainline																			
WSP west end of the network to West Beltway Off Ramp	2,190	2,234	102%	6	2	47	24	C	6	183	4	1	1117	0	0	0	431	481427	2
West Beltway Off Ramp to West Beltway Loop On Ramp	1,390	1,341	96%	14	1	61	11	B	20	315	5	0	671	0	0	0	1,239	830750	3
West Beltway Loop On Ramp to West Beltway Direct On Ramp	2,574	2,518	98%	9	1	61	14	B	29	393	6	0	839	0	0	0	824	691611	2
West Beltway Direct On Ramp to Allen Rd Off Ramp	3,124	3,031	97%	56	2	63	16	B	86	2981	48	1	1010	0	0	0	5,195	5248104	16
Allen Rd Off Ramp to Allen Rd On Ramp	2,929	2,842	97%	33	1	63	15	B	118	1618	26	1	947	0	0	0	3,006	2847183	9
Allen Rd On Ramp to Calloway Dr Off Ramp	4,739	4,642	98%	61	5	60	26	C	179	4720	78	6	1547	0	0	0	5,338	8260021	26
Calloway Dr Off Ramp to Calloway Dr Loop On Ramp	3,631	3,583	99%	25	1	63	19	C	204	1553	25	1	1194	0	0	0	2,288	2732635	8
Calloway Dr Loop On Ramp to Calloway Dr Direct On Ramp	4,115	4,034	98%	11	1	62	22	C	215	764	12	1	1345	0	0	0	1,000	1344667	4
Calloway Dr Direct On Ramp to Coffee Dr Off Ramp	5,029	4,989	99%	51	5	59	28	D	266	4154	71	7	1663	0	0	0	4,373	7272882	23
Coffee Dr Off Ramp to Coffee Dr Loop On Ramp	2,844	2,885	101%	23	1	64	15	B	289	1154	18	0	962	0	0	0	2,111	2030313	6
Coffee Dr Loop On Ramp to Coffee Dr Direct On Ramp	3,229	3,276	101%	11	0	63	13	B	299	620	10	0	819	0	0	0	1,000	819000	2
Coffee Dr Direct On Ramp to Mohawk St Off Ramp	3,779	3,805	101%	54	2	63	15	B	354	3578	57	2	951	0	0	0	4,954	4712286	14
Mohawk St Off Ramp to Mohawk St On Ramp	1,878	1,819	97%	25	1	63	14	B	378	787	12	0	910	0	0	0	2,286	2079117	6
Mohawk St On Ramp to WSP east end of the network	1,878	1,813	97%	32	1	54	18	B	411	881	16	0	907	0	0	0	2,609	2365385	9
WSP WB Mainline																			
WSP east end of the network to Mohawk St Loop On Ramp	1,122	1,126	100%	26	1	56	10	A	26	452	8	0	563	0	0	0	2,162	1217206	4
Mohawk St Loop On Ramp to Mohawk St Direct Ramp	1,957	1,971	101%	14	1	63	11	A	40	487	8	0	657	0	0	0	1,300	853883	3
Mohawk St Direct Ramp to Coffee Dr Off Ramp	2,962	2,919	99%	42	1	62	11	B	82	2131	34	1	834	0	0	0	3,858	3217296	8
Coffee Dr Off Ramp to Coffee Dr Loop On Ramp	1,777	1,757	99%	35	0	64	7	A	117	1100	17	0	586	0	0	0	3,308	1937110	4
Coffee Dr Loop On Ramp to Coffee Dr Direct On Ramp	2,332	2,225	95%	12	0	63	9	A	130	485	8	0	742	0	0	0	1,150	852725	2
Coffee Dr Direct On Ramp to Calloway Dr Direct Off Ramp	2,977	2,840	95%	48	2	63	12	B	178	2386	38	1	710	0	0	0	4,423	3140109	10
Calloway Dr Direct Off Ramp to Calloway Dr Loop Off Ramp	2,665	2,550	96%	11	0	62	14	B	189	483	8	0	638	0	0	0	1,000	637500	3
Calloway Dr Loop Off Ramp to Calloway Dr On Ramp	2,085	1,996	96%	24	0	64	10	A	213	853	13	0	665	0	0	0	2,258	1501946	4
Calloway Dr On Ramp to Allen Rd Off Ramp	2,550	2,446	96%	57	2	63	13	B	270	2432	39	1	815	0	0	0	5,238	4271065	13
Allen Rd Off Ramp to Allen Rd On Ramp	1,700	1,643	97%	26	0	64	9	A	296	770	12	0	548	0	0	0	2,473	1354380	4
Allen Rd On Ramp to West Beltway Off Ramp	1,925	1,864	97%	56	1	63	10	A	353	1840	29	1	621	0	0	0	5,215	3240253	10
West Beltway Off Ramp to West Beltway Loop On Ramp	865	825	95%	22	0	64	6	A	375	328	5	0	413	0	0	0	2,099	865838	3
West Beltway Loop On Ramp to West Beltway Direct On Ramp	1,260	1,158	92%	6	0	62	9	A	381	115	2	0	579	0	0	0	526	304554	1
West Beltway Direct On Ramp to WSP west end of the network	1,550	1,452	94%	6	0	60	12	B	387	140	2	0	726	0	0	0	507	368082	1
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	1,345	1,352	101%	42	3	56	12	B	42	890	16	1	1352	0	0	0	3,523	4763096	8
SR99 On Ramp to H St Off Ramp	4,850	4,300	89%	10	1	58	25	C	52	710	12	1	1433	0	0	0	870	1246855	4
H St Off Ramp to Chester Ave On Ramp	4,305	3,815	89%	36	2	62	21	C	88	2359	38	2	1272	0	0	0	3,265	4151448	13
Chester Ave On Ramp to Union Ave Off Ramp	4,900	4,494	92%	28	2	59	25	C	116	2065	35	3	1498	0	0	0	2,419	3623662	12
Union Ave Off Ramp to Union Ave Loop On Ramp	3,985	3,718	93%	17	1	62	20	C	133	1080	17	1	1239	0	0	0	1,533	1899898	6
Union Ave Loop On Ramp to Union Ave Direct On Ramp	4,285	3,969	93%	8	0	62	22	C	141	556	9	0	1323	0	0	0	739	977697	3
Union Ave Direct On Ramp to Cottonwood Rd Off Ramp	4,560	4,249	93%	31	2	61	23	C	172	2257	37	2	1416	0	0	0	2,800	3966044	12
Cottonwood Rd Off Ramp to Cottonwood Rd On Ramp	4,010	3,751	94%	28	1	62	20	C	200	1814	29	1	1250	0	0	0	2,553	3192101	10
Cottonwood Rd On Ramp to SR58 east end of the network	4,315	4,052	94%	25	1	62	22	C	226	1768	29	1	1351	0	0	0	2,304	3112192	10
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp(Cottonwood Rd)	4,870	4,899	101%	26	1	63	26	D	26	2227	35	1	1633	0	0	0	2,401	3920566	12
Brundage Ln Off Ramp(Cottonwood Rd) to Brundage Ln On Ramp(Cottonwood Rd)	4,615	4,630	100%	18	1	62	25	C	44	1423	23	1	1543	0	0	0	1,622	2503287	8
Brundage Ln On Ramp(Cottonwood Rd) to Brundage Ln Off Ramp(Union Ave)	4,855	4,865	100%	39	2	61	27	D	83	3218	53	3	1622	0	0	0	3,491	5660850	18
Brundage Ln Off Ramp(Union Ave) to Brundage Ln On Ramp(Union Ave)	3,975	3,931	99%	17	1	62	21	C	100	1160	19	1	1310	0	0	0	1,558	2041499	6
Brundage Ln On Ramp (Union Ave) to Union Ave On Ramp	4,195	4,123	98%	12	1	61	23	C	112	845	14	1	1374	0	0	0	1,082	1487029	5
Union Ave On Ramp to Chester Ave Off Ramp	4,595	4,505	98%	23	2	60	25	C	136	1754	29	2	1502	0	0	0	2,060	3093204	10
Chester Ave Off Ramp to H St On Ramp	3,880	3,778	98%	39	2	62	20	C	175	2561	41	2	1259	0	0	0	3,579	4507154	14
H St On Ramp to SR99 NB Off Ramp	4,265	4,292	101%	29	4	56	26	C	204	1916	34	5	1431	0	0	0	2,350	3361806	11
SR99 NB Off Ramp to SR99 SB Off Ramp	2,480	2,531	102%	26	2	58	14	B	229	1045	18	1	844	0	0	0	2,163	1824851	6

CENTENNIAL CORSIM ANALYSIS RESULTS

Year 2038 No-Build - PM

Freeway Segment	SOV																		
	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
SR-99 NB Mainline																			
SR-99 NB south end of the network to White Ln Off Ramp	6,580	6,570	100%	52	4	60	28	D	52	5698	95	6	1642	0	0	0	4,648	7633759	24
White Ln Off Ramp to White Ln Loop On Ramp	5,485	5,360	98%	21	2	59	23	C	73	1795	31	3	1340	0	0	0	1,768	2369120	8
White Ln Loop On Ramp to White Ln Direct On Ramp	7,130	6,226	87%	8	2	47	33	D	81	655	14	4	1557	0	0	0	555	863858	3
White Ln Direct On Ramp to Ming Ave Off Ramp	7,740	6,805	88%	152	81	31	57	F	233	8911	287	153	1701	1	223	64	6,695	11390287	73
Ming Ave Off Ramp to Ming Ave On Ramp	6,920	5,857	85%	76	51	20	73	F	309	2515	124	83	1464	2	63	62	2,291	3354597	31
Ming Ave On Ramp to SR58 EB/Wible Rd Off Ramp	8,415	7,374	88%	19	8	34	48	F	328	1293	38	16	1844	1	32	6	926	1707081	8
SR58 EB/Wible Rd Off Ramp to Wible Rd On Ramp	5,915	5,185	88%	32	2	61	21	C	360	2838	47	3	1296	0	0	0	2,890	3746163	12
Wible Rd On Ramp to SR58 WB On Ramp	6,525	5,683	87%	9	1	61	23	C	370	908	15	1	1421	0	0	0	844	1199113	4
SR58 WB On Ramp to California Ave Off Ramp	8,240	7,383	90%	36	4	58	31	D	405	4260	73	8	1846	0	0	0	3,000	5537000	18
California Ave Off Ramp to California Ave Loop On Ramp	7,360	6,598	90%	17	1	61	27	D	422	1863	30	2	1650	0	0	0	1,491	2459405	8
California Ave Loop On Ramp to California Ave Direct On Ramp	8,100	7,058	87%	9	1	60	29	D	431	1049	17	1	1765	0	0	0	785	1385133	4
California Ave Direct On Ramp to Rosedale Hwy Off Ramp	8,430	7,026	83%	32	3	58	28	D	463	3654	63	5	1561	0	0	0	2,800	4371941	15
Rosedale Hwy Off Ramp to Buck Owens Blvd/Sillect Ave Off Ramp	6,340	5,365	85%	17	1	62	22	C	480	1524	25	1	1341	0	0	0	1,500	2011875	6
Buck Owens Blvd/Sillect Ave Off Ramp to Buck Owens Blvd/Sillect Ave On Ramp	5,790	4,923	85%	24	1	62	20	C	504	2046	33	1	1231	0	0	0	2,194	2700266	8
Buck Owens Blvd/Sillect Ave On Ramp to Airport Dr Off Ramp	6,540	5,607	86%	34	3	60	24	C	538	3187	53	4	1402	0	0	0	3,000	4204875	13
Airport Dr Off Ramp to SR99 NB north end of the network	5,125	4,390	86%	41	2	62	18	B	579	3100	50	2	1097	0	0	0	3,726	4088819	12
SR-99 SB Mainline																			
SR99 SB north end of the network to Airport Dr On Ramp	4,595	4,621	101%	49	2	63	18	C	49	3957	63	2	1155	0	0	0	4,498	5195752	16
Airport Dr On Ramp to Rosedale Hwy Off Ramp	6,710	6,412	96%	46	17	42	39	E	96	3440	83	30	1603	0	0	0	2,800	4488167	20
Rosedale Hwy Off Ramp to Rosedale Hwy Loop On Ramp	5,615	5,417	96%	26	2	60	23	C	121	2329	39	3	1354	0	0	0	2,271	3075502	10
Rosedale Hwy Loop On Ramp to Rosedale Hwy Direct On Ramp	6,995	6,891	99%	12	3	47	32	D	133	1044	22	6	1723	0	0	0	800	1378200	5
Rosedale Hwy Direct On Ramp to California Ave Off Ramp	8,620	8,240	96%	43	9	52	39	E	176	5035	97	20	2060	0	0	0	3,200	6592267	24
California Ave Off Ramp to California Ave On Ramp	7,430	7,076	95%	21	8	40	45	E	197	1647	41	16	1769	1	41	0	1,229	2174101	10
California Ave On Ramp to SR58 EB/Stockdale Hwy Off Ramp	8,480	8,048	95%	39	13	46	44	E	235	3989	86	28	2012	0	0	0	2,433	4895399	20
SR58 EB/Stockdale Hwy Off Ramp to SR58 WB On Ramp	6,385	6,089	95%	46	7	55	28	D	281	4282	78	12	1522	0	0	0	3,714	5653637	19
SR58 WB On Ramp to Real Rd On Ramp	8,140	7,219	89%	10	6	26	70	F	291	521	20	12	1805	2	13	7	381	687610	5
Real Rd On Ramp to Ming Ave Off Ramp	8,795	8,258	94%	32	11	42	47	F	323	3063	74	26	2065	0	0	0	1,946	4017679	17
Ming Ave Off Ramp to Ming Ave On Ramp	7,050	6,578	93%	36	2	61	27	D	360	4048	67	4	1644	0	0	0	3,247	5339286	17
Ming Ave On Ramp to White Ln Off Ramp	7,885	7,452	95%	62	5	60	30	D	422	7664	128	11	1863	0	0	0	5,403	10065114	31
White Ln Off Ramp to White Ln Loop On Ramp	5,855	5,522	94%	20	1	62	22	C	441	1851	30	1	1381	0	0	0	1,770	2443485	7
White Ln Loop On Ramp to White Ln Direct On Ramp	6,430	6,018	94%	10	1	61	25	C	451	1019	17	1	1505	0	0	0	894	1345023	4
White Ln Direct On Ramp to SR99 SB south end of the network	7,105	6,430	90%	53	3	61	26	D	505	5803	95	5	1608	0	0	0	4,777	7679028	24

CENTENNIAL CORSIM ANALYSIS RESULTS

Year 2038 No-Build - PM

Freeway Segment	SOV																		
	Demand	Served	% Served	Travel Time	Delay Time	Speed	Density	LOS	Cumulative Time	Veh - Miles	Veh - Hours	Veh - Delay	CORSIM Served Volumes/Lane	Speed Ratio	Veh-Hours (40 MPH)	Veh-Delay (<40 MPH)	Length	Length*CORSIM Served Volumes/Lane	Length*Density
	(vph)	(vph)		(sec/veh)	(sec/veh)	(MPH)	(veh/ln/mi)	(HCM 2000)	(sec/veh)	(VMT)	(VHT)	(VHD)	(vphl)	40	(VHT)	(VHD)	(ft)		5280
WSP EB Mainline																			
WSP west end of the network to West Beltway Off Ramp	2,180	2,155	99%	7	2	44	24	C	7	176	4	1	1078	0	0	0	431	464403	2
West Beltway Off Ramp to West Beltway Loop On Ramp	1,225	1,130	92%	14	1	61	9	A	21	265	4	0	565	0	0	0	1,239	700035	2
West Beltway Loop On Ramp to West Beltway Direct On Ramp	2,100	1,985	95%	9	0	61	11	A	30	310	5	0	662	0	0	0	824	545213	2
West Beltway Direct On Ramp to Allen Rd Off Ramp	2,245	2,120	94%	56	2	63	11	B	86	2085	33	1	707	0	0	0	5,195	3671133	11
Allen Rd Off Ramp to Allen Rd On Ramp	2,065	1,967	95%	32	1	63	10	A	118	1120	18	0	656	0	0	0	3,006	1970934	6
Allen Rd On Ramp to Calloway Dr Off Ramp	3,675	3,524	96%	59	3	61	19	C	178	3571	58	3	1175	0	0	0	5,338	6269659	19
Calloway Dr Off Ramp to Calloway Dr Loop On Ramp	2,746	2,627	96%	25	1	64	14	B	202	1138	18	0	876	0	0	0	2,288	2003525	6
Calloway Dr Loop On Ramp to Calloway Dr Direct On Ramp	3,127	2,974	95%	11	0	62	16	B	213	563	9	0	991	0	0	0	1,000	991333	3
Calloway Dr Direct On Ramp to Coffee Dr Off Ramp	3,889	3,706	95%	49	3	61	20	C	262	3074	51	3	1235	0	0	0	4,373	5402113	16
Coffee Dr Off Ramp to Coffee Dr Loop On Ramp	2,184	2,058	94%	22	0	64	11	A	285	823	13	0	686	0	0	0	2,111	1448381	4
Coffee Dr Loop On Ramp to Coffee Dr Direct On Ramp	2,614	2,469	94%	11	0	64	10	A	295	468	7	0	617	0	0	0	1,000	617250	2
Coffee Dr Direct On Ramp to Mohawk St Off Ramp	3,089	2,920	95%	54	1	63	11	B	349	2747	44	1	730	0	0	0	4,954	3616833	11
Mohawk St Off Ramp to Mohawk St On Ramp	1,545	1,389	90%	25	0	64	11	A	374	601	9	0	695	0	0	0	2,286	1587627	5
Mohawk St On Ramp to WSP east end of the network	1,545	1,389	90%	32	1	54	13	B	406	675	12	0	694	0	0	0	2,609	1811624	7
WSP WB Mainline																			
WSP east end of the network to Mohawk St Loop On Ramp	1,920	1,721	90%	26	1	55	16	B	26	690	12	1	861	0	0	0	2,162	1860671	6
Mohawk St Loop On Ramp to Mohawk St Direct Ramp	3,170	2,973	94%	14	1	62	16	B	40	735	12	0	991	0	0	0	1,300	1288300	4
Mohawk St Direct Ramp to Coffee Dr Off Ramp	4,585	4,160	91%	42	1	62	16	B	83	3039	49	2	1189	0	0	0	3,858	4585233	12
Coffee Dr Off Ramp to Coffee Dr Loop On Ramp	3,370	3,199	95%	35	1	64	13	B	118	2004	31	1	1066	0	0	0	3,308	3527155	8
Coffee Dr Loop On Ramp to Coffee Dr Direct On Ramp	4,350	4,109	94%	13	1	62	17	B	131	895	14	1	1370	0	0	0	1,150	1574925	4
Coffee Dr Direct On Ramp to Calloway Dr Direct Off Ramp	5,375	5,148	96%	50	3	61	22	C	180	4342	71	4	1287	0	0	0	4,423	5692622	18
Calloway Dr Direct Off Ramp to Calloway Dr Loop Off Ramp	4,865	4,614	95%	11	1	61	25	C	191	874	14	1	1154	0	0	0	1,000	1153500	5
Calloway Dr Loop Off Ramp to Calloway Dr On Ramp	3,850	3,670	95%	25	1	63	20	C	216	1570	25	1	1223	0	0	0	2,258	2761910	8
Calloway Dr On Ramp to Allen Rd Off Ramp	4,835	4,628	96%	59	4	60	26	C	275	4612	76	5	1543	0	0	0	5,238	8080837	25
Allen Rd Off Ramp to Allen Rd On Ramp	2,955	2,825	96%	27	1	63	15	B	302	1323	21	1	942	0	0	0	2,473	2328330	7
Allen Rd On Ramp to West Beltway Off Ramp	3,285	3,138	96%	57	2	62	17	B	359	3098	50	2	1046	0	0	0	5,215	5455469	17
West Beltway Off Ramp to West Beltway Loop On Ramp	1,410	1,363	97%	23	0	63	11	A	382	542	9	0	682	0	0	0	2,099	1430469	4
West Beltway Loop On Ramp to West Beltway Direct On Ramp	1,955	1,831	94%	6	0	61	15	B	388	183	3	0	916	0	0	0	526	481553	1
West Beltway Direct On Ramp to WSP west end of the network	2,305	2,181	95%	6	1	58	19	C	394	209	4	0	1091	0	0	0	507	552884	2
SR58 EB Mainline																			
SR58 west end of the network to SR99 On Ramp	1,195	1,039	87%	42	2	57	9	A	42	683	12	1	1039	0	0	0	3,523	3660397	6
SR99 On Ramp to H St Off Ramp	4,585	4,138	90%	10	1	59	24	C	52	684	12	1	1379	0	0	0	870	1200020	4
H St Off Ramp to Chester Ave On Ramp	4,110	3,701	90%	36	1	62	20	C	88	2288	37	1	1234	0	0	0	3,265	4027378	12
Chester Ave On Ramp to Union Ave Off Ramp	4,950	4,535	92%	28	2	60	25	C	115	2083	35	3	1512	0	0	0	2,419	3656453	12
Union Ave Off Ramp to Union Ave Loop On Ramp	4,305	3,967	92%	17	1	62	21	C	132	1152	19	1	1322	0	0	0	1,533	2027137	6
Union Ave Loop On Ramp to Union Ave Direct On Ramp	5,075	4,555	90%	8	1	60	25	C	140	637	11	1	1518	0	0	0	739	1122048	4
Union Ave Direct On Ramp to Cottonwood Rd Off Ramp	5,710	5,226	92%	32	2	60	29	D	172	2785	46	3	1742	0	0	0	2,800	4877600	15
Cottonwood Rd Off Ramp to Cottonwood Rd On Ramp	5,110	4,698	92%	28	1	62	25	C	201	2272	37	2	1566	0	0	0	2,553	3997998	12
Cottonwood Rd On Ramp to SR58 east end of the network	5,595	5,169	92%	26	2	61	28	D	226	2255	37	2	1723	0	0	0	2,304	3969792	12
SR58 WB Mainline																			
SR58 east end of the network to Brundage Ln Off Ramp(Cottonwood Rd)	4,090	4,120	101%	26	1	63	22	C	26	1873	30	1	1373	0	0	0	2,401	3297107	10
Brundage Ln Off Ramp(Cottonwood Rd) to Brundage Ln On Ramp(Cottonwood Rd)	3,850	3,830	99%	18	1	63	20	C	44	1176	19	1	1277	0	0	0	1,622	2070753	6
Brundage Ln On Ramp(Cottonwood Rd) to Brundage Ln Off Ramp(Union Ave)	4,250	4,226	99%	39	2	62	23	C	82	2797	45	2	1409	0	0	0	3,491	4918043	15
Brundage Ln Off Ramp(Union Ave) to Brundage Ln On Ramp(Union Ave)	3,655	3,662	100%	17	1	62	20	C	99	1081	17	1	1221	0	0	0	1,558	1901799	6
Brundage Ln On Ramp (Union Ave) to Union Ave On Ramp	4,050	4,008	99%	12	1	61	22	C	111	821	13	1	1336	0	0	0	1,082	1445552	4
Union Ave On Ramp to Chester Ave Off Ramp	4,605	4,527	98%	23	2	60	25	C	135	1764	29	2	1509	0	0	0	2,060	3108540	10
Chester Ave Off Ramp to H St On Ramp	3,960	3,850	97%	55	17	46	29	D	190	2719	59	18	1283	0	0	0	3,579	4592454	20
H St On Ramp to SR99 NB Off Ramp	4,555	4,323	95%	42	16	39	37	E	231	1930	50	20	1441	1	48	2	2,350	3386350	17
SR99 NB Off Ramp to SR99 SB Off Ramp	2,840	2,677	94%	70	47	23	40	E	301	1191	52	35	892	2	30	22	2,163	1930117	16

Year 2038- No-Build - CORSIM ORIGIN-DESTINATION (O.D.) TABLE

SR-99 Traffic Operations - White Ln. to Airport Dr.

AM PEAK

SR-99 NB

Exit Location

Entry Location			Name	White Ln Off			Ming Ave Off			SR-58 EB/Wible Rd Off			California Ave Off			Rosedale Hwy Off			Buck Owens Blvd Off			Airport Dr Off			SR-99 NB		
			Node #	298			303			306			151			96			128			98			164		
Name	Node #	Volume		Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume
SR-99 NB	163	7025		1065	15	5960	675	10	5285	1438	20	3847	561	8	3286	1055	15	2231	345	5	1886	636	9	1251	1251	18	0
White Ln Loop On	533	1605			X	1605	80	5	1525	415	26	1110	162	10	948	304	19	644	100	6	544	183	11	361	361	22	0
White Ln Direct On	299	695			X	695	35	5	660	180	26	481	70	10	411	132	19	279	43	6	236	79	11	156	156	22	0
Ming Ave On	305	1585			X	1585		X	1585	793	50	793	116	7	677	217	14	460	71	4	389	131	8	258	258	16	0
Wible Rd On	307	640			X	640		X	640		X	640	93	15	547	176	27	371	57	9	314	106	17	208	208	33	0
SR-58 WB On	310	1785			X	1785		X	1785		X	1785	179	10	1607	516	29	1091	169	9	922	311	17	611	611	34	0
California Ave Loop On	132	565			X	565		X	565		X	565		X	565	28	5	537	28	5	509	171	30	337	337	60	0
California Ave Direct On	130	240			X	240		X	240		X	240		X	240	12	5	228	12	5	216	73	30	143	143	60	0
Buck-Owens Blvd On	97	600			X	600		X	600		X	600		X	600		X	600		X	600	60	10	540	540	90	0
				1065			790			2825			1180			2440			825			1750			3865		

AM PEAK

SR-99 SB

Exit Location

Entry Location			Name	Rosedale Hwy Off			California Ave Off			SR-58 EB/Stockdale Hwy Off			Ming Ave Off			White Ln Off			SR-99 SB		
			Node #	102			105			313			316			322			95		
Name	Node #	Volume		Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume
SR-99 SB	100	3895		1004	26	2891	721	19	2171	671	17	1500	334	9	1166	307	8	859	859	22	0
Airport Dr On	101	1425		71	5	1354	337	24	1016	314	22	702	156	11	546	144	10	402	402	28	0
Rosedale Hwy Loop On	103	1150			X	1150	58	5	1093	337	29	755	168	15	587	155	13	432	432	38	0
Rosedale Hwy Direct On	104	1690			X	1690	85	5	1606	496	29	1110	247	15	863	227	13	635	635	38	0
California Ave On	137	720			X	720		X	720	72	10	648	144	20	504	133	18	371	371	52	0
SR-58 WB On	314	1550			X	1550		X	1550		X	1550	155	10	1395	367	24	1028	1028	66	0
Real Rd On	315	510			X	510		X	510		X	510	26	5	485	128	25	357	357	70	0
Ming Ave On	318	690			X	690		X	690		X	690		X	690	35	5	656	656	95	0
White Ln Loop On	323	210			X	210		X	210		X	210		X	210		X	210	210	100	0
White Ln Direct On	324	460			X	460		X	460		X	460		X	460		X	460	460	100	0
				1075			1200			1890			1230			1495			5410		

Westside Parkway/SR-58 Traffic Operations - West Beltway to Cottonwood Rd.

AM PEAK

WSP/SR-58 EB

Exit Location

Entry Location			Name	West Beltway Off			Allen Rd Off			Calloway Dr Off			Coffee Rd Off			Mohawk St Off			Truxtun Ave Off			H St Off			Union Ave Off			Cottonwood Rd Off			SR-58 EB		
			Node #	569			574			581			589			599			688			370			375			385			169		
Name	Node #	Volume		Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol%	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume
Westside Pkwy EB	568	2190		800	37	1390	108	5	1282	445	20	837	487	22	349	228	10	122	122	6	0												
West Beltway Loop On	570	1185			X	1185	59	5	1126	391	33	735	428	36	307	200	17	107	107	9	0												
West Beltway Direct On	571	550			X	550	28	5	523	181	33	341	199	36	142	93	17	50	50	9	0												
Allen Rd On	576	1810			X	1810		X	1810	91	5	1720	1001	55	718	468	26	250	250	14	0												
Calloway Dr Loop On	583	484			X	484		X	484		X	484	24	5	460	300	62	160	160	33	0												
Calloway Dr Direct On	584	914			X	914		X	914		X	914	46	5	868	566	62	303	302	33	0												
Coffee Rd Loop On	592	385			X	385		X	385		X	385		X	385	19	5	366	365	95	0												
Coffee Rd Direct On	593	550			X	550		X	550		X	550		X	550	28	5	523	522	95	1												
Mohawk St Direct On	601	0			X	0		X	0		X	0		X	0		X	0		X	0												
SR58 EB On	368	1345																				151	11	1194	245	18	948	124	9	824	824	61	0
SR-99 NB&SB On	369	3505																				394	11	3111	640	18	2471	323	9	2148	2148	61	0
Chester Ave On	372	595																					X	595	30	5	565	74	12	491	491	83	0
Union Ave Loop On	376	300																					X	300		X	300	15	5	285	285	95	0
Union Ave Direct On	377	275																					X	275		X	275	14	5	261	261	95	0
Cottonwood Rd On	386	305																					X	305		X	305		X	305	305	100	0
				800			195			1108			2185			1900			1878			545			915			550			4315		

AM PEAK

WSP/SR-58 WB

Exit Location

Entry Location			Name	Brundage Ln Off (Cottonwood Rd)			Brundage Ln Off (Union Ave)			Chester Ave Off			SR-99 NB Off			SR-99 SB Off			Real Rd Off			Coffee Rd Off			Calloway Dr Direct Off			Calloway Dr Loop Off			Allen Rd Off			West Beltway Off			Westside Pkwy WB		
			Node #	404			390			395			399			401			562			34			61			62			69			74			77		
Name	Node #	Volume		Volume	Vol%	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol%	New Volume	Volume	Vol%	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol%	New Volume
SR-58 WB	162	4870		255	5	4615	868	18	3747	664	14	3083	1329	27	1755	1076	22	678	678	14	0																		
Brundage Ln On (Cottonwood Rd)	387	240			X	240	12	5	228	40	17	188	81	34	107	65	27	41	41	17	0																		
Brundage Ln On (Union Ave)	391	220			X	220		X	220	11	5	209	90	41	119	73	33	46	46	21	0																		
Union Ave On	392	400			X	400		X	400	20	5	380	164	41	216	133	33	84	84	21	0																		
H St On	397	405			X	405		X	405		X	405	122	30	284	203	50	81	81	20	0																		
Truxtun Ave On	626	1122																				725	65	397	56	5	341	116	10	225	89	8	135	84	7	52	52	5	0
Mohawk St Loop On	28	835																				209	25	626	89	11	537	183	22	354	140	17	214	132	16	82	82	10	0
Mohawk St Direct On	30	1005																				251	25	754	107	11	647	221	22	426	169	17	257	159	16	99	99	10	0
Coffee Rd Loop On	54	555																					X	555	28	5	527	28	5	500	198	36	301	186	34	115	115	21	0
Coffee Rd Direct On	56	645																					X	645	32	5	613	32	5	581	230	36	350	216	34	134	134	21	0
Calloway Dr On	64	465																					X	465		X	465		X	465	23	5	442	273	59	169	169	36	0
Allen Rd On	71	225																					X	225		X	225		X	225		X	225	11	5	214	214	95	0
West Beltway Loop On	75	395																					X	395		X	395		X	395		X	395		X	395	395	100	0
West Beltway Direct On	76	290																					X	290		X	290		X	290		X	290		X	290	290	100	0
				255			880			735			1785			1550			930			1185			312			580			850			1060			1550		

Year 2038- No-Build - CORSIM ORIGIN-DESTINATION (O.D.) TABLE

SR-99 Traffic Operations - White Ln. to Airport Dr.

PM PEAK

SR-99 NB

Exit Location

Entry Location			Name	White Ln Off			Ming Ave Off			SR-58 EB/Wible Rd Off			California Ave Off			Rosedale Hwy Off			Buck Owens Blvd Off			Airport Dr Off			SR-99 NB		
			Node #	298			303			306			151			96			128			98			164		
Name	Node #	Volume		Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume
SR-99 NB	163	6580		1095	17	5485	707	11	4778	1210	18	3568	387	6	3180	880	13	2300	215	3	2086	483	7	1603	1603	24	0
White Ln Loop On	533	1645			X	1645	82	5	1563	396	24	1167	127	8	1040	288	17	752	70	4	682	158	10	524	524	32	0
White Ln Direct On	299	610			X	610	31	5	580	147	24	433	47	8	386	107	17	279	26	4	253	59	10	194	194	32	0
Ming Ave On	305	1495			X	1495		X	1495	748	50	748	81	5	666	184	12	482	45	3	437	101	7	336	336	22	0
Wible Rd On	307	610			X	610		X	610		X	610	66	11	544	150	25	393	37	6	357	83	14	274	274	45	0
SR-58 WB On	310	1715			X	1715		X	1715		X	1715	172	10	1544	427	25	1116	104	6	1012	234	14	778	778	45	0
California Ave Loop On	132	740			X	740		X	740		X	740		X	740	37	5	703	37	5	666	154	21	512	512	69	0
California Ave Direct On	130	330			X	330		X	330		X	330		X	330	17	5	314	17	5	297	69	21	228	228	69	0
Buck-Owens Blvd On	97	750			X	750		X	750		X	750		X	750		X	750		X	750	75	10	675	675	90	0
				1095			820			2500			880			2090			550			1415			5125		

PM PEAK

SR-99 SB

Exit Location

Entry Location			Name	Rosedale Hwy Off			California Ave Off			SR-58 EB/Stockdale Hwy Off			Ming Ave Off			White Ln Off			SR-99 SB		
			Node #	102			105			313			316			322			95		
Name	Node #	Volume		Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume
SR-99 SB	100	4595		989	22	3606	668	15	2938	787	17	2151	518	11	1633	461	10	1173	1173	26	0
Airport Dr On	101	2115		106	5	2009	372	18	1637	438	21	1199	289	14	910	257	12	653	653	31	0
Rosedale Hwy Loop On	103	1380			X	1380	69	5	1311	351	25	960	231	17	729	206	15	523	523	38	0
Rosedale Hwy Direct On	104	1625			X	1625	81	5	1544	413	25	1130	272	17	858	242	15	616	616	38	0
California Ave On	137	1050			X	1050		X	1050	105	10	945	227	22	718	202	19	515	515	49	0
SR-58 WB On	314	1755			X	1755		X	1755		X	1755	176	10	1580	445	25	1134	1134	65	0
Real Rd On	315	655			X	655		X	655		X	655	33	5	622	175	27	447	447	68	0
Ming Ave On	318	835			X	835		X	835		X	835		X	835	42	5	793	793	95	0
White Ln Loop On	323	575			X	575		X	575		X	575		X	575		X	575	575	100	0
White Ln Direct On	324	675			X	675		X	675		X	675		X	675		X	675	675	100	0
				1095			1190			2095			1745			2030			7105		

Westside Parkway/SR-58 Traffic Operations - West Beltway to Cottonwood Rd.

PM PEAK

WSP/SR-58 EB

Exit Location

Entry Location			Name	West Beltway Off			Allen Rd Off			Calloway Dr Off			Coffee Rd Off			Mohawk St Off			Truxtun Ave Off			H St Off			Union Ave Off			Cottonwood Rd Off			SR-58 EB		
			Node #	569			574			581			589			599			688			370			375			385			169		
Name	Node #	Volume		Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol%	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume
Westside Pkwy EB	568	2180		955	44	1225	129	6	1096	450	21	646	387	18	258	177	8	81	81	4	0												
West Beltway Loop On	570	875			X	875	44	5	831	342	39	490	294	34	196	134	15	61	61	7	0												
West Beltway Direct On	571	145			X	145	7	5	138	57	39	81	49	34	32	22	15	10	10	7	0												
Allen Rd On	576	1610			X	1610		X	1610	81	5	1530	918	57	612	420	26	192	192	12	0												
Calloway Dr Loop On	583	381			X	381		X	381		X	381	19	5	362	249	65	113	113	30	0												
Calloway Dr Direct On	584	762			X	762		X	762		X	762	38	5	724	497	65	227	227	30	0												
Coffee Rd Loop On	592	430			X	430		X	430		X	430		X	430	22	5	409	409	95	0												
Coffee Rd Direct On	593	475			X	475		X	475		X	475		X	475	24	5	451	452	95	0												
Mohawk St Direct On	601	0			X	0		X	0		X	0		X	0		X	0		X	0												
SR58 EB On	368	1195																				136	11	1059	155	13	904	111	9	792	792	66	0
SR-99 NB&SB On	369	3390																				339	10	3051	448	13	2603	320	9	2283	2283	67	0
Chester Ave On	372	840																					X	840	42	5	798	98	12	700	700	83	0
Union Ave Loop On	376	770																					X	770		X	770	39	5	732	732	95	0
Union Ave Direct On	377	635																					X	635		X	635	32	5	603	603	95	0
Cottonwood Rd On	386	485																					X	485		X	485		X	485	485	100	0
				955			180			929			1705			1545			1545			475			645			600			5595		

PM PEAK

WSP/SR-58 WB

Exit Location

Entry Location			Name	Brundage Ln Off (Cottonwood Rd)			Brundage Ln Off (Union Ave)			Chester Ave Off			SR-99 NB Off			SR-99 SB Off			Real Rd Off			Coffee Rd Off			Calloway Dr Direct Off			Calloway Dr Loop Off			Allen Rd Off			West Beltway Off			Westside Pkwy WB		
			Node #	404			390			395			399			401			562			34			61			62			69			74			77		
Name	Node #	Volume		Volume	Vol%	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol%	New Volume	Volume	Vol%	New Volume	14	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume	Volume	Vol %	New Volume
SR-58 WB	162	4090		240	6	3850	575	14	3275	535	13	2740	1063	26	1677	1008	25	668	668	16	0																		
Brundage Ln On (Cottonwood Rd)	387	400			X	400	20	5	380	62	16	318	123	31	195	117	29	78	78	19	0																		
Brundage Ln On (Union Ave)	391	395			X	395		X	395	20	5	375	146	37	230	138	35	92	92	23	0																		
Union Ave On	392	555			X	555		X	555	28	5	527	205	37	323	194	35	129	129	23	0																		
H St On	397	595			X	595		X	595		X	595	179	30	417	298	50	119	119	20	0																		
Truxtun Ave On	626	1920																				549	29	1371	167	9	1205	372	19	832	396	21	437	275	14	162	162	8	0
Mohawk St Loop On	28	1250																				313	25	938	114	9	824	254	20	569	271	22	298	188	15	111	111	9	0
Mohawk St Direct On	30	1415																				354	25	1061	129	9	932	288	20	644	306	22	338	212	15	125	125	9	0
Coffee Rd Loop On	54	980																					X	980	49	5	931	49	5	882	419	43	463	291	30	172	172	18	0
Coffee Rd Direct On	56	1025																					X	1025	51	5	974	51	5	923	439	43	484	304	30	180	180	18	0
Calloway Dr On	64	985																					X	985		X	985		X	985	49	5	936	589	60	347	347	35	0
Allen Rd On	71	330																					X	330		X	330		X	330		X	330	17	5	314	314	95	0
West Beltway Loop On	75	545																					X	545		X	545		X	545		X	545		X	545	545	100	0
West Beltway Direct On	76	350																					X	350		X	350		X	350		X	350		X	350	350	100	0
				240			595			645			1715			1755			1085			1215			510			1015			1880			1875			2305		

CORSIM OUPUT DATA

2018 NO-BUILD

AM Peak

CUMULATIVE FRESIM STATISTICS AT TIME 17 0 0

LINK STATISTICS

LINK	VEHICLES IN	VEHICLES OUT	LANE CHNG	CURR CONT	AVG CONT	VEH-MILES	VEH-MIN	SECONDS/VEHICLE TOTAL TIME	SECONDS/VEHICLE MOVE TIME	SECONDS/VEHICLE DELAY TIME	M/T	VEH-MIN/VEH-MILE TOTAL	VEH-MIN/VEH-MILE DELAY	VOLUME VPHPL	DENSITY VPMPL	SPEED MILE/HR	LINK TYPE
(153, 96)	6304	6286	1040	38	25.5	1550.9	1529.3	14.6	13.8	0.7	0.95	0.99	0.05	1049.9	17.3	60.85	FRWY
(563, 98)	3873	3872	2673	18	18.5	1101.3	1109.2	17.2	15.9	1.3	0.93	1.01	0.07	775.3	13.0	59.57	FRWY
(154, 101)	3196	3193	495	26	27.0	1718.5	1617.8	30.4	29.8	0.5	0.98	0.94	0.02	639.2	10.0	63.73	FRWY
(103, 104)	4814	4821	1570	7	12.4	729.7	746.9	9.3	8.4	0.9	0.91	1.02	0.10	856.2	14.6	58.61	FRWY
(158, 105)	5975	5960	758	38	28.4	1695.0	1706.6	17.2	15.8	1.3	0.92	1.01	0.08	1193.3	20.0	59.59	FRWY
(128, 97)	3496	3497	473	24	23.1	1453.0	1384.4	23.8	23.1	0.7	0.97	0.95	0.03	699.3	11.1	62.98	FRWY
(156, 102)	4477	4485	646	15	18.0	1103.0	1078.1	14.4	13.7	0.7	0.95	0.98	0.05	896.0	14.6	61.39	FRWY
(109,7001)	2068	2068	0	0	1.3	67.0	76.2	2.2	2.1	0.1	0.96	1.14	0.05	1034.0	19.6	52.72	RAMP
(102, 103)	3869	3865	574	26	26.5	1664.8	1590.6	24.7	23.9	0.8	0.97	0.96	0.03	774.1	12.3	62.80	FRWY
(160,7002)	614	613	0	1	0.5	24.9	27.7	2.7	2.7	0.1	0.98	1.11	0.02	307.0	5.7	53.88	RAMP
(7003, 106)	951	951	401	0	2.3	82.6	138.3	8.4	6.7	1.7	0.80	1.67	0.34	495.8	13.8	35.84	RAMP
(106, 103)	951	949	124	2	2.8	110.5	170.5	10.8	7.6	3.1	0.71	1.54	0.45	763.4	19.6	38.87	RAMP
(7004, 107)	1181	1178	87	4	1.4	60.7	85.4	4.0	3.2	0.9	0.78	1.41	0.31	633.8	14.8	42.69	RAMP
(107, 104)	1178	1174	613	7	3.1	110.2	184.9	9.4	6.2	3.3	0.65	1.68	0.58	731.8	20.5	35.75	RAMP
(110, 109)	2070	2068	68	2	1.4	72.9	82.5	2.4	2.3	0.1	0.96	1.13	0.04	1034.3	19.5	52.98	RAMP
(96, 110)	2069	2070	45	1	1.0	52.5	59.4	1.7	1.7	0.1	0.96	1.13	0.04	1034.8	19.5	53.06	RAMP
(127, 97)	367	367	233	0	1.2	41.2	70.8	11.6	7.4	4.2	0.64	1.72	0.62	314.0	9.0	34.91	RAMP
(96, 128)	4217	4217	1561	21	19.3	1197.4	1159.1	16.5	15.9	0.6	0.96	0.97	0.04	843.0	13.6	61.98	FRWY

(128, 129)	721	722	108	4	2.4	123.6	141.7	11.8	11.3	0.5	0.96	1.15	0.05	432.3	8.3	52.37	RAMP
(132, 130)	6190	6193	905	6	15.4	920.4	924.6	9.0	8.3	0.7	0.92	1.00	0.08	1110.7	18.6	59.72	FRWY
(131, 130)	124	124	0	0	0.1	5.4	6.4	3.1	2.9	0.2	0.92	1.19	0.09	124.0	2.5	50.29	RAMP
(151, 132)	5662	5674	561	24	25.9	1601.2	1553.5	16.4	15.7	0.8	0.95	0.97	0.04	1134.1	18.3	61.84	FRWY
(105, 137)	4857	4864	1200	19	18.2	1130.4	1091.0	13.5	12.9	0.5	0.96	0.97	0.04	971.3	15.6	62.17	FRWY
(98, 138)	1457	1457	12	2	2.8	141.9	166.2	6.8	6.4	0.4	0.93	1.17	0.08	1419.1	27.7	51.22	RAMP
(138, 139)	1457	1458	142	0	1.1	55.2	63.4	2.6	2.5	0.1	0.95	1.15	0.05	728.9	13.9	52.27	RAMP
(141, 140)	1295	1294	391	2	2.9	103.7	177.0	8.2	5.2	3.0	0.64	1.71	0.61	647.0	18.4	35.15	RAMP
(140, 101)	1294	1289	0	7	3.9	182.6	234.3	10.9	9.3	1.6	0.85	1.28	0.19	1290.8	27.6	46.77	RAMP
(105, 143)	1103	1102	0	1	1.2	64.7	73.9	4.0	3.8	0.2	0.96	1.14	0.05	1102.3	21.0	52.51	RAMP
(7005, 127)	367	367	11	0	0.3	8.5	17.7	2.4	1.6	0.9	0.64	2.09	0.75	217.3	7.6	28.73	RAMP
(129,7006)	722	721	0	1	0.8	32.3	47.0	3.9	3.4	0.5	0.87	1.46	0.19	361.0	8.8	41.16	RAMP
(147, 148)	410	410	0	0	0.7	32.2	41.2	6.0	5.6	0.4	0.94	1.28	0.08	410.0	8.7	46.98	RAMP
(148, 137)	410	407	0	4	0.5	23.7	28.0	4.1	3.8	0.3	0.92	1.18	0.09	408.3	8.0	50.78	RAMP
(163, 149)	4933	4932	1894	45	46.6	2959.4	2795.7	33.8	33.0	0.8	0.98	0.94	0.02	992.7	15.6	63.52	FRWY
(311, 150)	6757	6763	358	13	16.8	1001.0	1007.9	8.9	8.2	0.7	0.92	1.01	0.08	1351.7	22.7	59.59	FRWY
(152, 153)	6307	6304	503	6	4.0	238.9	242.5	2.3	2.1	0.2	0.91	1.02	0.09	1146.5	19.4	59.09	FRWY
(130, 152)	6317	6307	4948	29	25.7	1554.4	1541.0	14.6	13.7	1.0	0.93	0.99	0.07	1180.9	19.5	60.52	FRWY
(100, 154)	3194	3196	244	14	15.8	1015.6	948.3	17.6	17.4	0.2	0.99	0.93	0.01	646.5	10.1	64.26	FRWY
(101, 155)	4482	4479	1878	25	18.3	1103.3	1098.9	14.7	13.7	1.0	0.93	1.00	0.07	838.2	13.9	60.24	FRWY
(155, 156)	4479	4477	821	5	2.7	169.6	163.6	2.2	2.1	0.1	0.96	0.96	0.04	895.5	14.4	62.20	FRWY
(104, 157)	5995	5975	3922	42	31.8	1699.3	1906.3	19.1	15.9	3.2	0.83	1.12	0.19	1121.6	21.0	53.49	FRWY
(157, 158)	5975	5975	213	6	3.8	226.3	230.0	2.3	2.1	0.2	0.91	1.02	0.09	1194.8	20.2	59.02	FRWY
(137, 159)	5271	5278	2221	14	16.4	931.8	982.7	11.2	9.8	1.4	0.88	1.05	0.13	952.5	16.7	56.89	FRWY
(150, 151)	6763	6770	294	7	15.3	920.2	916.6	8.1	7.6	0.5	0.94	1.00	0.06	1353.4	22.5	60.24	FRWY

(325, 95)	3670	3661	703	31	36.1	2274.5	2165.1	35.4	34.5	1.0	0.97	0.95	0.03	732.9	11.6	63.03	FRWY
(102, 160)	616	614	10	3	0.9	48.9	54.7	5.3	5.2	0.1	0.98	1.12	0.03	527.4	9.8	53.70	RAMP
(98, 99)	2415	2409	255	12	16.2	1025.9	972.6	24.2	23.6	0.6	0.98	0.95	0.02	482.8	7.6	63.28	FRWY
(99, 164)	2409	2400	170	13	10.6	675.0	636.8	15.9	15.6	0.3	0.98	0.94	0.02	481.0	7.6	63.60	FRWY
(295, 200)	1561	1564	292	2	3.6	173.1	218.5	8.4	8.3	0.1	0.99	1.26	0.01	621.7	13.1	47.52	FRWY
(203, 201)	1559	1559	48	0	0.9	54.1	51.2	1.8	1.7	0.0	0.98	0.95	0.02	865.6	13.7	63.39	FRWY
(200, 199)	1406	1405	77	3	2.6	116.0	156.5	6.7	6.6	0.1	0.99	1.35	0.01	702.4	15.8	44.46	FRWY
(179, 178)	1211	1210	47	5	2.1	114.6	128.2	6.4	6.2	0.1	0.98	1.12	0.02	605.3	11.3	53.66	FRWY
(180, 179)	1212	1211	186	4	4.3	229.5	256.8	12.7	12.5	0.2	0.98	1.12	0.02	494.7	9.2	53.63	FRWY
(181, 180)	1114	1114	24	1	1.9	104.9	116.7	6.3	6.2	0.1	0.99	1.11	0.02	557.0	10.3	53.89	FRWY
(199, 198)	1405	1407	104	2	3.3	145.9	197.5	8.4	8.3	0.1	0.99	1.35	0.02	702.8	15.9	44.33	FRWY
(198, 197)	1683	1683	492	8	7.4	386.4	446.5	15.9	15.1	0.9	0.95	1.16	0.06	709.8	13.7	51.92	FRWY
(197, 196)	1944	1939	466	13	10.4	551.7	623.7	19.3	18.7	0.6	0.97	1.13	0.04	844.4	15.9	53.07	FRWY
(196, 195)	1939	1942	357	9	17.8	947.9	1070.5	33.1	32.1	1.0	0.97	1.13	0.03	969.6	18.3	53.13	FRWY
(182, 181)	1117	1114	130	10	6.7	360.8	401.6	21.6	21.3	0.3	0.99	1.11	0.02	557.4	10.3	53.90	FRWY
(183, 182)	1918	1918	195	11	10.2	545.0	613.3	19.2	18.7	0.5	0.97	1.13	0.03	959.2	18.0	53.31	FRWY
(184, 183)	1920	1918	502	13	13.0	704.0	779.8	24.2	23.9	0.3	0.99	1.11	0.01	968.5	17.9	54.17	FRWY
(205, 204)	266	263	0	3	0.2	9.2	12.7	2.9	2.8	0.1	0.98	1.37	0.03	264.7	6.1	43.69	RAMP
(204, 197)	263	261	0	2	0.3	15.2	20.8	4.8	4.7	0.1	0.99	1.36	0.02	261.3	5.9	43.96	RAMP
(182, 193)	801	802	123	1	1.6	89.3	94.1	7.0	6.2	0.9	0.88	1.05	0.13	538.0	9.5	56.90	RAMP
(193, 194)	802	802	64	0	1.0	57.9	57.9	4.3	4.0	0.3	0.93	1.00	0.07	385.3	6.4	60.01	RAMP
(208, 209)	99	98	0	1	0.2	8.5	10.9	6.6	6.2	0.4	0.94	1.28	0.08	98.6	2.1	46.72	RAMP
(207, 198)	275	276	0	0	0.4	17.4	24.1	5.3	5.1	0.2	0.96	1.39	0.05	275.2	6.4	43.13	RAMP
(206, 207)	275	275	0	0	0.2	7.8	12.7	2.8	2.6	0.2	0.93	1.63	0.12	275.0	7.5	36.88	RAMP
(200, 210)	158	158	0	0	0.2	8.2	11.0	4.2	4.1	0.1	0.99	1.35	0.02	158.0	3.6	44.38	RAMP

(210, 211)	158	158	0	1	0.2	6.5	9.4	3.6	3.6	0.0	1.00	1.45	0.00	158.1	3.8	41.36	RAMP
(178, 202)	1210	1210	6	1	0.6	35.3	38.8	1.9	1.6	0.3	0.84	1.10	0.17	605.1	11.1	54.54	FRWY
(139,7009)	1458	1458	0	0	0.9	45.8	52.4	2.2	2.1	0.1	0.96	1.14	0.05	729.0	13.9	52.45	RAMP
(7010, 141)	1294	1295	355	0	2.4	111.1	145.2	6.4	5.4	1.1	0.84	1.31	0.22	675.8	14.7	45.89	RAMP
(211,7011)	158	159	0	0	0.2	7.1	12.4	4.7	4.6	0.1	0.98	1.74	0.04	158.6	4.6	34.50	RAMP
(7012, 206)	276	275	0	1	0.2	6.9	12.3	2.3	2.2	0.1	0.96	1.78	0.07	321.6	9.6	33.63	RAMP
(7014, 205)	266	266	0	0	0.3	13.4	19.3	4.0	3.8	0.3	0.93	1.44	0.10	286.3	6.8	41.80	RAMP
(194,7015)	802	802	0	0	0.5	25.8	28.0	2.1	1.8	0.3	0.85	1.08	0.16	267.3	4.8	55.32	RAMP
(201, 295)	1559	1561	15	4	3.8	220.0	230.4	8.9	8.8	0.0	1.00	1.05	0.00	779.7	13.6	57.31	FRWY
(149, 298)	4932	4930	427	22	22.4	1401.1	1341.5	16.3	15.7	0.6	0.96	0.96	0.03	986.3	15.7	62.66	FRWY
(533, 299)	5560	5559	1868	6	10.8	584.5	650.1	7.0	5.9	1.1	0.84	1.11	0.18	956.9	17.7	53.94	FRWY
(299, 300)	6218	6225	1867	15	31.6	1766.5	1893.8	18.3	15.8	2.5	0.86	1.07	0.15	1173.2	21.0	55.97	FRWY
(300, 301)	6225	6230	900	52	49.7	3061.8	2982.5	28.7	27.3	1.5	0.95	0.97	0.05	1246.0	20.2	61.59	FRWY
(301, 302)	6230	6223	1172	24	21.2	1296.7	1274.9	12.3	11.6	0.7	0.94	0.98	0.06	1244.8	20.4	61.02	FRWY
(302, 303)	6223	6221	559	41	29.0	1768.1	1739.8	16.8	15.8	1.0	0.94	0.98	0.06	1244.7	20.4	60.97	FRWY
(303, 304)	5702	5705	1000	15	14.6	854.6	876.5	9.2	8.3	0.9	0.90	1.03	0.10	1140.9	19.5	58.50	FRWY
(304, 305)	5705	5696	3095	40	48.5	1621.2	2908.0	30.6	15.8	14.8	0.52	1.79	0.87	1141.3	34.1	33.45	FRWY
(305, 306)	7065	7047	2476	44	37.1	1236.1	2228.2	19.0	10.3	8.6	0.55	1.80	0.82	1272.2	38.2	33.28	FRWY
(306, 307)	4963	4969	1055	33	44.4	2717.7	2661.5	32.2	30.4	1.8	0.95	0.98	0.05	993.0	16.2	61.27	FRWY
(307, 310)	5521	5512	949	25	14.5	881.8	868.9	9.5	8.9	0.6	0.94	0.99	0.06	997.0	16.4	60.89	FRWY
(310, 311)	6756	6757	3919	37	33.9	1919.6	2034.5	18.1	15.8	2.3	0.87	1.06	0.13	1267.0	22.4	56.61	FRWY
(159, 312)	5278	5287	218	4	9.7	567.3	580.7	6.6	6.0	0.6	0.90	1.02	0.10	1056.5	18.0	58.62	FRWY
(312, 313)	5287	5293	278	12	15.6	934.9	937.6	10.6	9.9	0.7	0.93	1.00	0.07	1058.1	17.7	59.83	FRWY
(313, 314)	3584	3581	1866	33	40.1	2520.5	2403.0	40.2	39.0	1.2	0.97	0.95	0.03	716.6	11.4	62.93	FRWY
(314, 315)	4843	4841	1892	8	7.1	349.5	427.7	5.3	4.0	1.3	0.76	1.22	0.29	836.8	17.1	49.02	FRWY

(555, 316)	5175	5167	228	17	12.2	737.5	730.0	8.5	8.0	0.5	0.94	0.99	0.06	1034.3	17.1	60.61	FRWY
(316, 317)	4211	4200	461	30	22.2	1390.2	1330.1	19.0	18.4	0.6	0.97	0.96	0.03	840.3	13.4	62.71	FRWY
(317, 318)	4200	4195	403	24	19.0	1191.3	1139.6	16.3	15.8	0.5	0.97	0.96	0.03	838.6	13.4	62.72	FRWY
(318, 319)	4692	4693	1017	28	21.5	1332.4	1292.3	16.5	15.8	0.8	0.95	0.97	0.04	884.9	14.3	61.86	FRWY
(319, 320)	4693	4699	194	8	10.5	653.7	627.0	8.0	7.7	0.3	0.96	0.96	0.03	939.2	15.0	62.55	FRWY
(320, 321)	4699	4697	2527	29	24.2	1483.1	1451.7	18.6	17.5	1.0	0.94	0.98	0.05	938.9	15.3	61.29	FRWY
(321, 322)	4697	4689	971	26	21.7	1333.8	1301.9	16.6	15.9	0.7	0.96	0.98	0.04	814.2	13.2	61.47	FRWY
(322, 323)	3271	3270	308	17	17.3	1097.2	1040.6	19.1	18.6	0.5	0.98	0.95	0.02	654.6	10.3	63.26	FRWY
(323, 324)	3449	3448	395	10	9.3	584.1	557.5	9.7	9.4	0.3	0.97	0.95	0.03	626.9	10.0	62.87	FRWY
(324, 325)	3670	3670	589	9	16.6	1041.9	995.8	16.3	15.8	0.5	0.97	0.96	0.03	692.0	11.0	62.78	FRWY
(7023, 147)	411	410	0	1	0.4	15.8	25.2	3.4	2.8	0.5	0.84	1.59	0.26	451.8	12.0	37.65	RAMP
(143,7025)	1102	1101	0	1	0.6	31.7	38.6	2.1	2.0	0.1	0.95	1.22	0.06	1101.0	22.3	49.29	RAMP
(144, 131)	124	124	0	0	0.1	3.5	4.3	2.1	2.0	0.1	0.97	1.24	0.03	124.0	2.6	48.39	RAMP
(7022, 144)	124	124	0	0	0.1	4.4	6.0	2.6	2.3	0.3	0.89	1.36	0.15	137.2	3.1	43.99	RAMP
(347, 348)	1713	1715	477	0	1.4	70.8	84.3	2.9	2.9	0.1	0.98	1.19	0.03	857.2	17.0	50.39	FRWY
(348, 349)	1715	1715	101	1	2.3	110.1	136.0	4.8	4.6	0.1	0.97	1.24	0.03	857.6	17.7	48.57	FRWY
(560, 370)	4028	4026	145	9	5.2	311.2	310.2	4.6	4.3	0.3	0.93	1.00	0.07	1006.7	16.7	60.18	FRWY
(370, 371)	3547	3557	396	12	19.3	1205.4	1159.4	19.6	18.8	0.7	0.96	0.96	0.04	887.9	14.2	62.38	FRWY
(371, 372)	3557	3556	882	15	15.9	990.8	955.7	16.1	15.5	0.7	0.96	0.96	0.04	887.9	14.3	62.20	FRWY
(372, 373)	4068	4064	1339	12	12.2	707.5	731.7	10.8	9.7	1.1	0.90	1.03	0.11	905.4	15.6	58.02	FRWY
(373, 374)	4064	4060	139	11	7.3	446.9	440.8	6.5	6.1	0.4	0.94	0.99	0.06	1015.4	16.7	60.84	FRWY
(374, 375)	4060	4057	206	16	11.6	706.5	693.4	10.2	9.7	0.5	0.95	0.98	0.05	1014.8	16.6	61.14	FRWY
(375, 376)	3150	3153	304	18	14.6	914.7	876.5	16.7	16.1	0.6	0.96	0.96	0.03	787.6	12.6	62.61	FRWY
(376, 377)	3392	3396	412	3	7.6	475.1	459.0	8.1	7.8	0.3	0.96	0.97	0.04	736.5	11.9	62.11	FRWY
(377, 378)	3632	3631	1076	11	14.5	894.1	872.5	14.4	13.7	0.8	0.95	0.98	0.05	835.6	13.6	61.49	FRWY

(7028, 368)	1234	1235	74	6	5.6	295.6	335.2	16.0	15.5	0.6	0.96	1.13	0.04	417.9	7.9	52.92	FRWY
(378, 384)	3631	3631	44	1	2.2	137.5	132.8	2.2	2.1	0.1	0.96	0.97	0.04	907.6	14.6	62.15	FRWY
(384, 385)	3631	3631	297	19	14.4	894.6	865.8	14.3	13.7	0.6	0.96	0.97	0.04	908.3	14.7	61.99	FRWY
(385, 386)	3182	3174	548	21	24.5	1536.1	1472.5	27.8	26.8	1.0	0.96	0.96	0.03	794.2	12.7	62.59	FRWY
(402, 403)	1250	1247	205	5	3.7	172.2	221.0	10.6	9.8	0.8	0.93	1.28	0.10	624.6	13.4	46.77	RAMP
(562,7030)	880	880	0	0	0.6	31.7	37.1	2.5	2.4	0.1	0.95	1.17	0.06	293.3	5.7	51.28	FRWY
(400, 401)	2134	2137	62	7	10.4	607.0	621.7	17.5	16.8	0.7	0.96	1.02	0.04	534.1	9.1	58.58	FRWY
(401, 382)	1257	1256	0	2	1.2	49.0	70.4	3.4	3.1	0.2	0.93	1.44	0.10	1256.1	30.1	41.76	RAMP
(399, 400)	2137	2134	103	5	4.3	268.1	259.9	7.3	7.0	0.3	0.96	0.97	0.04	533.7	8.6	61.90	FRWY
(564, 399)	3396	3397	1516	3	9.1	546.6	544.3	9.6	9.1	0.5	0.94	1.00	0.05	848.9	14.1	60.26	FRWY
(397, 398)	3397	3396	899	7	9.2	546.7	551.0	9.7	9.0	0.8	0.92	1.01	0.08	749.8	12.6	59.54	FRWY
(395, 396)	2973	2969	397	20	16.4	1026.9	982.4	19.8	19.2	0.6	0.97	0.96	0.03	744.4	11.9	62.72	FRWY
(394, 395)	3569	3578	187	2	6.2	378.9	372.2	6.3	6.0	0.3	0.95	0.98	0.05	893.1	14.6	61.08	FRWY
(393, 394)	3574	3569	216	12	10.3	635.8	616.2	10.4	9.9	0.5	0.96	0.97	0.04	892.9	14.4	61.91	FRWY
(392, 393)	3582	3574	508	13	6.2	379.6	373.4	6.3	5.9	0.4	0.94	0.98	0.06	745.0	12.2	60.98	FRWY
(391, 392)	3260	3258	1122	10	10.7	667.7	644.5	11.9	11.4	0.5	0.96	0.97	0.04	737.8	11.9	62.16	FRWY
(390, 391)	3041	3046	341	11	14.3	897.3	858.6	16.9	16.4	0.6	0.97	0.96	0.03	760.3	12.1	62.71	FRWY
(389, 390)	3538	3542	359	12	16.2	1005.2	969.5	16.4	15.8	0.6	0.96	0.96	0.04	884.6	14.2	62.21	FRWY
(388, 389)	3541	3538	109	8	5.3	329.3	315.5	5.3	5.2	0.2	0.97	0.96	0.03	885.4	14.1	62.63	FRWY
(387, 388)	3541	3541	1179	15	16.1	1005.6	968.9	16.4	15.8	0.7	0.96	0.96	0.04	823.2	13.2	62.28	FRWY
(166, 404)	3596	3594	147	10	8.1	510.7	486.3	8.1	7.9	0.2	0.98	0.95	0.02	898.9	14.3	63.01	FRWY
(404, 387)	3327	3324	340	18	16.2	1022.0	973.5	17.6	17.0	0.5	0.97	0.95	0.03	831.7	13.2	62.99	FRWY
(306, 405)	2084	2083	0	2	2.9	128.7	176.1	5.1	4.0	1.0	0.80	1.37	0.28	2084.1	47.5	43.84	RAMP
(558, 406)	2082	2082	0	4	2.8	122.2	170.8	4.9	4.6	0.3	0.94	1.40	0.08	1573.8	36.7	42.93	FRWY
(351, 408)	1284	1282	308	3	1.8	77.1	110.8	5.2	4.8	0.4	0.93	1.44	0.10	642.2	15.4	41.76	RAMP

(408, 409)	1282	1282	174	4	3.8	151.5	226.2	10.6	9.5	1.1	0.90	1.49	0.16	865.5	21.5	40.17	RAMP
(410, 405)	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0	0.00	FRWY
(413, 409)	1513	1517	0	1	5.3	219.0	319.6	12.7	11.6	1.1	0.91	1.46	0.12	1513.6	36.8	41.11	FRWY
(349, 350)	1291	1291	236	4	5.8	283.9	349.2	16.2	15.9	0.3	0.98	1.23	0.03	645.0	13.2	48.78	RAMP
(350, 351)	1291	1284	97	10	4.8	213.4	287.4	13.4	13.2	0.2	0.98	1.35	0.02	643.1	14.4	44.54	RAMP
(406, 413)	1507	1513	0	5	6.0	258.1	362.2	14.4	13.7	0.7	0.95	1.40	0.07	1509.2	35.3	42.76	FRWY
(416,7031)	480	480	0	0	0.3	16.9	20.2	2.5	2.4	0.1	0.97	1.20	0.04	480.0	9.6	50.10	RAMP
(7032, 435)	511	512	0	0	0.5	24.6	32.8	3.6	3.2	0.4	0.89	1.33	0.14	552.4	12.3	44.95	RAMP
(435, 436)	512	512	0	0	0.4	21.4	26.3	3.1	3.0	0.1	0.97	1.23	0.03	512.0	10.5	48.89	RAMP
(436, 372)	512	512	0	0	0.6	28.1	33.1	3.9	3.6	0.3	0.92	1.18	0.09	512.0	10.1	50.93	RAMP
(395, 437)	605	605	37	0	1.2	61.6	69.2	6.9	6.7	0.2	0.97	1.12	0.03	481.5	9.0	53.48	RAMP
(437,7033)	605	605	0	1	0.9	44.7	54.9	5.4	5.2	0.2	0.95	1.23	0.06	302.5	6.2	48.85	RAMP
(7034, 440)	422	421	0	1	0.4	18.3	24.6	3.2	2.9	0.3	0.90	1.34	0.14	458.6	10.2	44.78	RAMP
(440, 441)	421	421	0	0	0.5	22.9	28.1	4.0	3.9	0.1	0.98	1.23	0.03	421.0	8.6	48.88	RAMP
(7035, 443)	237	237	0	1	0.3	9.5	16.7	3.9	2.9	0.9	0.76	1.76	0.43	259.5	7.6	34.10	RAMP
(443, 444)	237	237	0	1	0.2	9.4	12.4	3.1	2.8	0.3	0.90	1.33	0.13	237.6	5.3	45.11	RAMP
(444, 376)	237	239	0	1	0.6	31.9	36.1	9.1	8.8	0.3	0.96	1.13	0.04	238.5	4.5	52.95	RAMP
(375, 442)	907	906	0	1	1.2	62.3	70.9	4.7	4.5	0.2	0.96	1.14	0.05	906.0	17.2	52.75	RAMP
(442,7036)	906	905	0	2	0.9	42.9	51.4	3.4	3.3	0.1	0.97	1.20	0.03	905.7	18.1	50.04	RAMP
(7037, 454)	230	232	0	0	0.2	10.9	14.4	3.5	3.1	0.3	0.91	1.32	0.13	249.4	5.5	45.41	RAMP
(454, 455)	232	234	0	0	0.2	11.1	13.5	3.5	3.4	0.1	0.98	1.22	0.02	232.5	4.7	49.28	RAMP
(455, 377)	234	236	0	0	0.3	17.0	19.5	5.0	4.7	0.2	0.95	1.15	0.06	234.9	4.5	52.40	RAMP
(390, 458)	501	502	0	0	1.2	65.4	73.1	8.7	8.5	0.2	0.97	1.12	0.03	501.8	9.4	53.66	RAMP
(456, 457)	215	214	0	1	0.1	6.5	8.4	2.4	2.2	0.2	0.93	1.30	0.10	214.0	4.6	46.09	RAMP
(457, 391)	214	214	0	0	0.1	5.9	7.2	2.0	1.8	0.2	0.91	1.21	0.11	214.0	4.3	49.44	RAMP

(7038, 456)	215	215	0	0	0.1	5.6	8.4	2.0	1.6	0.4	0.81	1.50	0.29	248.2	6.2	40.08	RAMP
(458,7039)	502	504	0	0	0.4	20.1	24.4	2.9	2.8	0.2	0.94	1.22	0.07	502.5	10.2	49.31	RAMP
(7040, 466)	327	325	0	3	0.3	14.8	20.1	3.4	3.0	0.4	0.89	1.36	0.15	354.8	8.0	44.17	RAMP
(466, 467)	325	325	0	0	0.3	13.5	16.7	3.1	3.0	0.1	0.97	1.24	0.03	325.0	6.7	48.52	RAMP
(467, 392)	325	324	0	1	0.4	18.2	21.5	4.0	3.7	0.3	0.93	1.18	0.08	324.4	6.4	51.04	RAMP
(309,7043)	955	955	0	0	0.9	46.5	56.4	3.5	3.4	0.1	0.96	1.21	0.04	955.0	19.3	49.44	RAMP
(7044, 483)	496	497	0	0	0.8	38.6	50.5	5.8	5.3	0.5	0.91	1.31	0.11	521.4	11.4	45.85	RAMP
(484, 318)	497	497	0	0	0.7	33.7	39.2	4.7	4.4	0.3	0.93	1.16	0.08	497.0	9.6	51.57	RAMP
(483, 484)	497	497	0	1	0.5	24.4	30.1	3.6	3.5	0.1	0.97	1.23	0.04	497.4	10.2	48.68	RAMP
(303, 487)	519	519	0	1	0.8	44.0	49.2	5.7	5.5	0.2	0.97	1.12	0.03	519.6	9.7	53.60	RAMP
(487, 488)	519	520	0	0	1.0	48.9	58.7	6.8	6.6	0.2	0.98	1.20	0.03	519.6	10.4	50.02	RAMP
(488,7046)	520	520	0	0	0.6	28.8	36.6	4.2	4.0	0.3	0.94	1.27	0.08	520.0	11.0	47.15	RAMP
(490, 305)	1371	1369	0	7	3.7	181.5	221.8	9.7	8.7	1.0	0.90	1.22	0.13	1369.1	27.9	49.10	RAMP
(489, 490)	1371	1371	0	3	2.5	119.9	151.2	6.6	6.3	0.3	0.96	1.26	0.06	1370.5	28.8	47.59	RAMP
(7047, 489)	1371	1371	0	2	2.1	86.6	126.6	5.2	4.3	0.9	0.82	1.46	0.26	1451.5	35.4	41.06	RAMP
(7045, 531)	658	658	117	0	0.9	31.6	54.0	4.6	2.5	2.1	0.54	1.71	0.78	355.3	10.1	35.15	RAMP
(531, 532)	658	659	4	0	0.6	25.9	34.2	3.1	2.2	0.9	0.70	1.32	0.39	444.6	9.8	45.50	RAMP
(532, 299)	659	659	0	0	0.5	26.0	30.1	2.7	2.2	0.5	0.80	1.16	0.23	659.0	12.7	51.79	RAMP
(322, 522)	1418	1416	17	2	1.2	63.6	70.6	3.0	2.9	0.1	0.98	1.11	0.02	708.4	13.1	54.03	RAMP
(7049, 523)	178	177	0	1	0.2	6.7	10.6	3.2	3.1	0.2	0.95	1.57	0.08	195.9	5.1	38.13	RAMP
(523, 524)	177	178	0	1	0.3	14.0	18.5	6.3	5.7	0.6	0.90	1.33	0.13	177.7	3.9	45.19	RAMP
(524, 323)	178	179	0	2	0.3	13.4	15.3	5.2	4.9	0.2	0.96	1.14	0.05	178.1	3.4	52.60	RAMP
(298, 533)	4235	4241	553	22	22.6	1418.7	1355.0	19.2	18.6	0.6	0.97	0.96	0.03	847.4	13.5	62.82	FRWY
(7050, 529)	1319	1319	599	0	1.6	48.9	95.3	3.9	3.0	0.9	0.77	1.95	0.45	729.1	23.7	30.76	RAMP
(529, 530)	1319	1319	93	0	1.4	40.7	81.5	3.7	2.2	1.5	0.60	2.00	0.80	733.8	24.5	29.99	RAMP

(530, 533)	1319	1319	0	0	3.0	124.7	179.5	8.2	6.2	2.0	0.76	1.44	0.35	1319.0	31.7	41.67	RAMP
(7051, 525)	222	222	0	0	0.2	10.0	13.1	3.3	3.0	0.3	0.91	1.31	0.11	241.0	5.3	45.72	RAMP
(525, 526)	222	222	0	0	0.3	16.7	20.4	5.5	5.4	0.1	0.98	1.22	0.02	222.0	4.5	49.25	RAMP
(526, 324)	222	222	0	0	0.4	21.9	24.9	6.7	6.5	0.3	0.96	1.13	0.04	222.0	4.2	52.89	RAMP
(298, 534)	695	697	0	0	1.0	64.2	62.8	5.4	5.1	0.3	0.94	0.98	0.05	696.4	11.4	61.34	RAMP
(534,7052)	697	697	0	0	0.6	35.2	36.8	3.2	2.8	0.4	0.88	1.04	0.12	697.0	12.1	57.51	RAMP
(313, 347)	1709	1713	0	0	2.6	132.2	154.2	5.4	5.1	0.3	0.94	1.17	0.07	1710.2	33.2	51.44	RAMP
(315, 554)	5186	5180	1010	12	10.1	543.0	605.0	7.0	5.8	1.2	0.83	1.11	0.19	878.1	16.3	53.85	FRWY
(554, 555)	5180	5175	330	10	10.7	627.7	642.6	7.4	6.7	0.7	0.90	1.02	0.10	1035.7	17.7	58.61	FRWY
(522,7048)	1416	1416	0	2	1.3	66.5	78.5	3.3	3.3	0.1	0.98	1.18	0.02	708.2	13.9	50.87	RAMP
(405, 558)	2083	2082	0	3	2.2	99.4	129.4	3.7	3.4	0.3	0.91	1.30	0.12	1041.5	22.6	46.09	FRWY
(409, 559)	2799	2799	112	4	4.1	174.4	247.4	5.3	5.0	0.3	0.94	1.42	0.08	1399.3	33.1	42.29	FRWY
(369, 560)	4033	4028	867	7	6.2	352.7	371.6	5.5	4.9	0.7	0.88	1.05	0.13	1007.8	17.7	56.95	FRWY
(401, 562)	880	880	2	0	0.5	30.0	30.8	2.1	2.1	0.0	0.99	1.03	0.01	293.3	5.0	58.40	FRWY
(97, 563)	3864	3873	795	14	17.6	1098.8	1057.1	16.4	15.8	0.6	0.96	0.96	0.04	729.8	11.7	62.37	FRWY
(398, 564)	3396	3396	135	2	6.8	418.0	409.5	7.2	6.8	0.4	0.95	0.98	0.05	848.9	13.9	61.25	FRWY
(27, 28)	1078	1072	148	6	3.4	203.7	202.5	11.3	10.5	0.8	0.93	0.99	0.07	358.4	5.9	60.35	FRWY
(28, 29)	1745	1752	185	1	4.3	264.6	256.7	8.8	8.4	0.4	0.95	0.97	0.05	436.6	7.1	61.84	FRWY
(29, 30)	1752	1753	46	0	2.6	166.0	156.5	5.4	5.2	0.1	0.98	0.94	0.02	438.1	6.9	63.64	FRWY
(30, 31)	2422	2424	2092	9	10.9	688.2	655.6	16.2	15.7	0.5	0.97	0.95	0.03	484.5	7.7	62.98	FRWY
(31, 32)	2424	2428	1025	6	6.3	394.1	376.9	9.3	9.0	0.3	0.97	0.96	0.03	485.0	7.7	62.73	FRWY
(32, 33)	2428	2428	269	3	5.4	344.8	326.8	8.1	7.9	0.2	0.97	0.95	0.02	413.7	6.5	63.31	FRWY
(33, 34)	2428	2429	138	7	5.6	345.0	336.4	8.3	8.2	0.2	0.98	0.97	0.02	404.9	6.6	61.55	FRWY
(34, 35)	1295	1293	54	4	2.5	158.9	147.9	6.9	6.8	0.1	0.99	0.93	0.01	259.0	4.0	64.45	FRWY
(35, 36)	1293	1295	47	1	3.0	193.4	179.7	8.3	8.3	0.1	0.99	0.93	0.01	258.8	4.0	64.57	FRWY

(36,	37)	1295	1295	54	1	3.3	214.5	199.3	9.2	9.2	0.1	0.99	0.93	0.01	258.9	4.0	64.60	FRWY
(37,	54)	1295	1291	55	6	3.8	243.8	226.3	10.5	10.4	0.1	0.99	0.93	0.01	258.5	4.0	64.64	FRWY
(54,	55)	1469	1467	218	4	2.8	180.7	170.0	6.9	6.8	0.1	0.98	0.94	0.02	257.9	4.0	63.80	FRWY
(55,	56)	1467	1464	35	4	2.2	138.7	129.1	5.3	5.2	0.0	0.99	0.93	0.01	293.0	4.5	64.46	FRWY
(56,	57)	1691	1691	328	3	5.0	320.2	301.8	10.7	10.5	0.2	0.98	0.94	0.02	310.3	4.9	63.66	FRWY
(57,	58)	1691	1687	39	4	2.5	159.8	149.1	5.3	5.2	0.1	0.99	0.93	0.01	337.6	5.2	64.34	FRWY
(58,	59)	1687	1686	242	3	2.9	185.2	172.5	6.1	6.1	0.1	0.99	0.93	0.01	337.2	5.2	64.42	FRWY
(59,	60)	1686	1676	387	11	4.2	268.2	250.8	9.0	8.8	0.1	0.99	0.94	0.01	396.4	6.2	64.16	FRWY
(60,	61)	1676	1674	662	11	7.5	475.6	450.4	16.1	15.8	0.3	0.98	0.95	0.02	418.6	6.6	63.37	FRWY
(61,	62)	1477	1477	52	7	4.5	279.5	267.9	10.9	10.6	0.2	0.98	0.96	0.02	368.9	5.9	62.60	FRWY
(62,	63)	1068	1068	40	4	3.5	224.7	209.3	11.7	11.6	0.1	0.99	0.93	0.01	267.4	4.2	64.41	FRWY
(63,	64)	1068	1064	44	4	3.6	231.9	215.9	12.2	12.1	0.1	0.99	0.93	0.01	266.4	4.1	64.45	FRWY
(64,	65)	1320	1320	328	3	3.9	249.9	236.2	10.7	10.5	0.2	0.98	0.94	0.02	296.5	4.7	63.49	FRWY
(65,	66)	1320	1321	31	1	2.0	125.1	117.0	5.3	5.2	0.1	0.99	0.94	0.01	330.3	5.1	64.16	FRWY
(66,	67)	1321	1320	845	5	3.7	235.0	219.7	10.0	9.8	0.1	0.99	0.93	0.01	330.6	5.2	64.18	FRWY
(67,	68)	1320	1323	105	5	5.2	325.5	309.3	14.0	13.6	0.4	0.97	0.95	0.03	330.5	5.2	63.15	FRWY
(68,	69)	1323	1320	301	5	6.0	375.0	360.6	16.4	16.1	0.3	0.98	0.96	0.02	271.3	4.3	62.41	FRWY
(69,	70)	586	583	18	3	2.9	187.5	174.7	17.9	17.8	0.1	0.99	0.93	0.01	146.1	2.3	64.42	FRWY
(70,	71)	583	583	7	1	1.3	85.9	79.8	8.2	8.2	0.1	0.99	0.93	0.01	145.7	2.3	64.54	FRWY
(71,	72)	705	710	173	1	3.1	201.0	188.7	16.0	15.7	0.3	0.98	0.94	0.01	164.6	2.6	63.92	FRWY
(72,	73)	710	705	296	7	4.6	296.3	275.4	23.4	23.2	0.1	0.99	0.93	0.01	176.6	2.7	64.55	FRWY
(73,	74)	705	705	88	1	3.1	200.1	186.8	15.9	15.7	0.2	0.99	0.93	0.01	192.1	3.0	64.25	FRWY
(74,	75)	705	703	54	2	4.4	279.7	261.1	22.3	22.0	0.2	0.99	0.93	0.01	234.6	3.6	64.29	FRWY
(75,	76)	703	703	17	0	1.1	70.0	65.3	5.6	5.5	0.0	0.99	0.93	0.01	234.3	3.6	64.39	FRWY
(76,	77)	703	704	7	0	0.7	42.8	39.8	3.4	3.4	0.0	0.99	0.93	0.01	234.6	3.6	64.44	FRWY

(568, 569)	800	800	18	0	0.5	30.3	31.3	2.3	2.1	0.3	0.89	1.03	0.11	266.7	4.6	58.18	FRWY
(569, 570)	800	799	40	1	3.0	187.6	179.6	13.5	12.9	0.5	0.96	0.96	0.04	266.5	4.3	62.69	FRWY
(570, 571)	799	800	25	4	2.0	124.9	118.1	8.9	8.6	0.2	0.97	0.95	0.03	266.8	4.2	63.45	FRWY
(571, 572)	800	796	79	7	3.6	226.6	213.5	16.1	15.7	0.4	0.98	0.94	0.02	217.6	3.4	63.70	FRWY
(572, 573)	796	794	172	4	5.1	330.6	308.7	23.3	22.9	0.4	0.98	0.93	0.02	198.8	3.1	64.25	FRWY
(573, 574)	794	794	43	2	3.5	225.7	210.6	15.9	15.7	0.2	0.99	0.93	0.01	198.6	3.1	64.29	FRWY
(574, 575)	737	732	36	7	2.7	175.9	163.7	13.4	13.2	0.2	0.99	0.93	0.01	183.4	2.8	64.47	FRWY
(575, 576)	732	731	45	2	3.7	241.1	224.3	18.4	18.2	0.2	0.99	0.93	0.01	182.9	2.8	64.48	FRWY
(576, 577)	2132	2127	1910	19	9.9	605.0	595.3	16.8	15.7	1.1	0.94	0.98	0.06	495.3	8.1	60.98	FRWY
(577, 578)	2127	2131	153	11	8.1	514.3	483.2	13.6	13.4	0.3	0.98	0.94	0.02	532.0	8.3	63.86	FRWY
(578, 579)	2131	2136	695	5	6.8	428.8	406.5	11.4	11.1	0.3	0.97	0.95	0.03	533.0	8.4	63.31	FRWY
(579, 580)	2136	2141	67	3	3.2	202.5	191.4	5.4	5.2	0.1	0.97	0.95	0.02	534.6	8.4	63.46	FRWY
(580, 581)	2141	2143	105	2	6.5	405.9	388.4	10.9	10.6	0.3	0.97	0.96	0.03	535.7	8.5	62.70	FRWY
(581, 582)	1681	1681	96	3	5.2	332.5	311.8	11.1	10.9	0.2	0.98	0.94	0.02	420.0	6.6	63.98	FRWY
(582, 583)	1681	1682	133	2	6.2	395.8	370.7	13.2	13.0	0.2	0.98	0.94	0.01	420.3	6.6	64.07	FRWY
(583, 584)	2100	2096	616	5	6.4	397.3	383.2	11.0	10.5	0.5	0.96	0.96	0.04	471.4	7.6	62.20	FRWY
(584, 585)	3143	3135	2839	16	14.8	892.8	887.6	16.9	15.8	1.2	0.93	0.99	0.07	693.2	11.5	60.35	FRWY
(585, 586)	3135	3137	243	7	7.1	426.3	427.9	8.2	7.5	0.6	0.92	1.00	0.08	783.7	13.1	59.78	FRWY
(586, 587)	3137	3137	88	10	6.3	389.1	377.9	7.2	6.9	0.4	0.95	0.97	0.05	784.2	12.7	61.78	FRWY
(587, 588)	3137	3136	55	9	4.8	297.0	286.9	5.5	5.2	0.2	0.96	0.97	0.04	784.1	12.6	62.10	FRWY
(588, 589)	3136	3145	159	8	9.8	594.8	587.4	11.2	10.6	0.6	0.95	0.99	0.05	785.2	12.9	60.76	FRWY
(589, 590)	1899	1892	76	11	4.6	292.1	275.3	8.7	8.6	0.2	0.98	0.94	0.02	473.7	7.4	63.66	FRWY
(590, 591)	1892	1894	58	1	3.4	220.2	206.6	6.5	6.5	0.1	0.99	0.94	0.01	473.3	7.4	63.95	FRWY
(591, 592)	1894	1895	57	2	3.8	245.1	230.1	7.3	7.2	0.1	0.99	0.94	0.01	473.8	7.4	63.92	FRWY
(592, 593)	2184	2186	165	8	6.5	414.0	391.4	10.7	10.5	0.2	0.98	0.95	0.02	437.2	6.9	63.48	FRWY

(593, 594)	2527	2523	421	8	3.8	239.0	227.4	5.4	5.3	0.1	0.97	0.95	0.03	427.8	6.8	63.08	FRWY
(594, 595)	2523	2526	142	6	7.5	478.0	449.1	10.7	10.5	0.2	0.99	0.94	0.01	504.8	7.9	63.87	FRWY
(595, 596)	2526	2526	48	2	3.4	217.2	203.7	4.8	4.8	0.1	0.99	0.94	0.01	505.3	7.9	64.00	FRWY
(596, 597)	2526	2523	2362	6	5.6	358.8	337.2	8.0	7.9	0.1	0.98	0.94	0.01	505.1	7.9	63.83	FRWY
(597, 598)	2523	2521	377	5	5.7	358.2	340.8	8.1	7.9	0.2	0.97	0.95	0.03	504.4	8.0	63.07	FRWY
(598, 599)	2521	2521	210	8	11.5	716.5	687.7	16.4	16.0	0.3	0.98	0.96	0.02	504.4	8.1	62.51	FRWY
(600, 601)	1473	1475	66	3	4.0	253.7	238.8	9.7	9.6	0.2	0.98	0.94	0.02	490.7	7.7	63.74	FRWY
(601, 602)	1475	1472	40	5	2.2	139.6	131.4	5.3	5.3	0.1	0.98	0.94	0.02	377.9	5.9	63.73	FRWY
(602, 603)	1472	1470	68	6	4.4	278.5	262.4	10.7	10.5	0.2	0.98	0.94	0.02	490.1	7.7	63.69	FRWY
(599, 600)	1472	1473	110	6	6.0	383.8	361.4	14.7	14.5	0.3	0.98	0.94	0.02	491.0	7.7	63.73	FRWY
(77,7053)	704	702	0	2	0.4	24.8	23.1	2.0	2.0	0.0	0.99	0.93	0.01	234.2	3.6	64.39	FRWY
(7054, 568)	800	800	41	0	0.7	37.9	43.3	3.0	2.4	0.6	0.81	1.14	0.22	288.9	5.5	52.57	FRWY
(441, 397)	421	421	0	0	0.5	23.8	27.9	4.0	3.7	0.3	0.93	1.17	0.08	421.0	8.2	51.13	RAMP
(626, 627)	1077	1077	16	0	1.6	85.5	94.3	5.3	5.2	0.1	0.99	1.10	0.01	359.0	6.6	54.36	FRWY
(627, 27)	1077	1078	20	0	1.2	65.3	72.6	4.0	4.0	0.1	0.98	1.11	0.02	359.3	6.7	53.97	FRWY
(629, 28)	673	673	0	0	0.9	43.1	54.8	4.9	4.2	0.7	0.86	1.27	0.18	673.0	14.3	47.21	RAMP
(628, 629)	673	673	0	0	1.1	44.1	66.5	5.9	5.2	0.7	0.88	1.51	0.17	673.0	16.9	39.81	RAMP
(631, 30)	668	669	0	1	1.2	62.9	73.6	6.6	6.2	0.5	0.93	1.17	0.08	668.4	13.0	51.29	RAMP
(630, 631)	666	668	0	0	1.1	54.1	66.9	6.0	5.8	0.2	0.97	1.24	0.04	666.9	13.8	48.46	RAMP
(34, 632)	1134	1132	29	2	0.9	50.9	56.7	3.0	2.9	0.1	0.98	1.11	0.02	566.5	10.5	53.83	RAMP
(632, 633)	1132	1135	27	1	1.1	61.0	67.8	3.6	3.5	0.1	0.98	1.11	0.02	567.1	10.5	53.96	RAMP
(635, 54)	178	178	0	1	0.4	21.2	24.9	8.4	7.8	0.6	0.93	1.17	0.09	178.2	3.5	51.07	RAMP
(634, 635)	179	178	0	1	0.4	15.9	22.8	7.7	7.1	0.6	0.92	1.44	0.11	179.0	4.3	41.66	RAMP
(637, 56)	226	227	0	0	0.5	27.8	30.7	8.1	8.0	0.1	0.99	1.10	0.01	226.5	4.2	54.31	RAMP
(636, 637)	226	226	0	0	0.4	19.2	21.2	5.6	5.6	0.1	0.99	1.10	0.01	226.0	4.2	54.33	RAMP

(61, 638)	197	197	0	0	0.3	16.7	18.5	5.6	5.5	0.1	0.98	1.10	0.02	197.0	3.6	54.33	RAMP
(638, 639)	197	196	6	1	0.2	12.6	14.2	4.3	4.2	0.2	0.96	1.13	0.04	115.3	2.2	53.16	RAMP
(62, 640)	409	410	0	0	0.6	31.4	35.1	5.1	5.0	0.1	0.98	1.12	0.03	409.1	7.6	53.72	RAMP
(640, 641)	410	410	13	0	0.3	17.1	19.7	2.9	2.9	0.0	0.99	1.16	0.01	265.3	5.1	51.92	RAMP
(643, 64)	256	256	0	0	0.5	28.3	31.9	7.5	7.3	0.2	0.97	1.13	0.03	256.0	4.8	53.21	RAMP
(642, 643)	256	256	12	1	0.5	23.1	27.5	6.5	5.9	0.5	0.92	1.19	0.10	180.3	3.6	50.37	RAMP
(69, 644)	734	731	7	3	0.9	48.7	53.9	4.4	4.4	0.1	0.99	1.10	0.01	366.6	6.8	54.31	RAMP
(644, 645)	731	729	11	2	0.7	34.3	39.8	3.3	3.2	0.0	0.99	1.16	0.01	281.1	5.4	51.69	RAMP
(647, 71)	123	122	0	1	0.3	16.4	19.4	9.5	8.7	0.8	0.92	1.19	0.10	122.8	2.4	50.52	RAMP
(646, 647)	123	123	0	0	0.3	11.7	17.0	8.3	7.6	0.7	0.91	1.45	0.12	123.0	3.0	41.24	RAMP
(574, 660)	57	57	0	0	0.0	2.4	2.6	2.8	2.7	0.0	0.99	1.09	0.01	57.0	1.0	55.08	RAMP
(660, 661)	57	57	0	0	0.0	2.3	2.6	2.8	2.7	0.1	0.98	1.15	0.02	57.0	1.1	52.27	RAMP
(663, 576)	1405	1401	43	8	3.1	132.5	185.0	7.9	6.2	1.7	0.78	1.40	0.31	1168.0	27.2	42.97	RAMP
(662, 663)	1406	1405	184	3	2.3	88.9	135.5	5.8	4.5	1.2	0.79	1.52	0.33	702.6	17.8	39.37	RAMP
(581, 664)	462	461	0	1	0.9	50.6	56.0	7.3	7.1	0.1	0.98	1.11	0.02	461.8	8.5	54.23	RAMP
(664, 665)	461	460	0	1	0.4	19.6	21.9	2.9	2.8	0.1	0.97	1.11	0.03	460.5	8.6	53.82	RAMP
(667, 583)	418	418	0	0	1.5	68.3	87.3	12.5	10.7	1.8	0.86	1.28	0.18	418.0	8.9	46.94	RAMP
(666, 667)	418	418	0	0	0.5	16.9	29.4	4.2	4.2	0.1	0.98	1.75	0.03	418.0	12.2	34.36	RAMP
(669, 584)	1046	1047	22	0	2.3	115.8	139.2	8.0	7.3	0.7	0.91	1.20	0.11	893.7	17.9	49.89	RAMP
(668, 669)	1048	1046	89	3	1.3	63.0	77.2	4.4	4.0	0.5	0.89	1.22	0.13	523.3	10.7	48.99	RAMP
(589, 670)	1246	1247	0	2	1.0	53.8	62.7	3.0	2.8	0.2	0.93	1.16	0.08	1246.7	24.2	51.54	RAMP
(670, 671)	1247	1245	0	2	1.0	51.2	59.5	2.9	2.7	0.2	0.94	1.16	0.07	1246.1	24.1	51.63	RAMP
(673, 592)	288	289	0	0	0.4	17.3	21.3	4.4	3.9	0.5	0.88	1.23	0.15	288.8	5.9	48.70	RAMP
(672, 673)	288	288	0	0	0.4	16.0	23.8	5.0	4.4	0.6	0.89	1.49	0.17	288.0	7.1	40.31	RAMP
(675, 593)	341	341	0	0	0.4	21.4	23.9	4.2	4.1	0.1	0.98	1.12	0.02	341.0	6.3	53.76	RAMP

(674, 675)	341	341	0	0	0.4	20.3	22.7	4.0	3.9	0.1	0.98	1.12	0.02	341.0	6.3	53.71	RAMP
(678, 679)	1049	1047	31	3	1.6	81.3	97.0	5.6	5.5	0.1	0.98	1.19	0.02	523.5	10.4	50.30	RAMP
(684, 685)	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0	0.00	RAMP
(688,7008)	1470	1471	0	2	2.4	91.9	145.8	6.0	5.8	0.1	0.98	1.59	0.03	489.9	13.0	37.81	FRWY
(7056, 626)	1073	1077	11	2	1.7	89.9	99.8	5.3	5.2	0.1	0.98	1.11	0.02	374.1	6.9	54.03	FRWY
(679,7058)	1047	1050	0	0	0.9	45.1	55.9	3.2	3.1	0.1	0.97	1.24	0.04	524.5	10.8	48.41	RAMP
(7059, 684)	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0	0.00	RAMP
(7060, 628)	673	673	0	0	0.9	29.7	52.2	4.3	4.1	0.1	0.97	1.76	0.06	732.0	21.5	34.07	RAMP
(7061, 630)	665	666	0	2	0.9	43.7	56.3	4.8	4.5	0.3	0.93	1.29	0.09	704.1	15.1	46.58	RAMP
(7062, 674)	341	341	0	0	0.4	20.8	24.5	4.1	3.8	0.3	0.93	1.18	0.08	361.5	7.1	50.92	RAMP
(7063, 672)	288	288	0	0	0.4	12.6	21.7	4.1	4.1	0.1	0.99	1.71	0.03	313.3	9.0	35.00	RAMP
(671,7064)	1245	1247	0	0	0.8	43.0	49.9	2.4	2.3	0.2	0.94	1.16	0.07	1246.3	24.1	51.63	RAMP
(633,7065)	1135	1136	0	0	1.3	71.4	79.3	4.2	4.1	0.1	0.98	1.11	0.02	567.7	10.5	53.99	RAMP
(7066, 634)	179	179	0	0	0.2	7.7	13.3	4.1	4.0	0.1	0.98	1.72	0.03	195.3	5.6	34.79	RAMP
(7067, 636)	226	226	0	0	0.3	17.1	20.0	5.1	4.7	0.4	0.93	1.17	0.08	237.1	4.6	51.19	RAMP
(665,7068)	460	460	0	0	0.3	17.9	20.3	2.6	2.5	0.1	0.95	1.14	0.05	460.0	8.7	52.75	RAMP
(7069, 666)	418	418	0	0	0.4	15.4	25.8	3.3	3.3	0.0	0.99	1.67	0.02	462.8	12.9	35.88	RAMP
(7070, 668)	1047	1048	470	1	1.3	65.8	77.9	4.2	3.9	0.3	0.92	1.18	0.09	554.9	11.0	50.66	RAMP
(639,7071)	196	196	0	0	0.1	6.1	7.1	2.2	2.0	0.1	0.94	1.16	0.07	98.0	1.9	51.78	RAMP
(7072, 642)	257	256	89	1	0.2	8.4	10.4	2.2	1.9	0.2	0.89	1.24	0.14	143.7	3.0	48.57	RAMP
(641,7073)	410	410	0	0	0.3	13.5	17.3	2.5	2.5	0.0	0.99	1.28	0.01	205.0	4.4	46.87	RAMP
(661,7074)	57	57	0	0	0.0	2.0	2.6	2.7	2.5	0.1	0.95	1.25	0.07	57.0	1.2	47.97	RAMP
(7075, 662)	1406	1406	579	1	1.8	81.3	105.5	4.2	3.9	0.3	0.92	1.30	0.10	748.3	16.2	46.27	RAMP
(645,7076)	729	729	0	0	0.7	32.6	40.2	3.3	3.2	0.1	0.97	1.23	0.03	243.0	5.0	48.69	RAMP
(7077, 646)	123	123	0	0	0.1	4.2	7.2	3.2	3.1	0.1	0.97	1.75	0.05	137.0	4.0	34.37	RAMP

(7084, 857)	196	196	0	0	0.2	7.7	9.2	2.6	2.3	0.3	0.90	1.20	0.12	214.9	4.3	50.05	RAMP
(857, 858)	196	196	0	0	0.2	11.6	12.8	3.9	3.8	0.1	0.97	1.11	0.03	196.0	3.6	54.12	RAMP
(859,7085)	203	201	0	2	0.3	18.6	20.6	6.1	6.0	0.1	0.98	1.11	0.02	202.4	3.8	53.94	RAMP
(7086, 860)	20	20	0	0	0.0	1.8	2.0	5.9	5.8	0.1	0.99	1.12	0.01	20.8	0.4	53.75	RAMP
(860, 861)	20	20	0	0	0.0	1.7	1.9	5.7	5.7	0.0	0.99	1.11	0.01	20.0	0.4	54.01	RAMP
(866,7087)	34	34	0	0	0.0	2.0	2.1	3.8	3.7	0.1	0.99	1.09	0.02	34.0	0.6	54.96	RAMP
(873,7088)	43	43	0	0	0.1	4.5	5.0	7.0	7.0	0.0	1.00	1.11	0.00	43.0	0.8	54.06	RAMP
(7089, 874)	96	96	0	0	0.1	5.6	6.5	3.8	3.6	0.2	0.95	1.16	0.06	102.4	2.0	51.95	RAMP
(874, 875)	96	96	0	0	0.1	5.3	5.9	3.7	3.7	0.1	0.99	1.11	0.02	96.0	1.8	53.92	RAMP
(876,7090)	42	42	0	0	0.1	3.8	4.0	5.7	5.7	0.0	1.00	1.06	0.00	42.0	0.7	56.50	RAMP
(7091, 877)	81	81	0	0	0.1	4.8	7.3	5.1	3.6	1.4	0.72	1.51	0.42	86.2	2.2	39.78	RAMP
(877, 878)	81	80	0	1	0.1	5.3	6.1	4.6	4.3	0.3	0.94	1.16	0.07	80.3	1.5	51.81	RAMP
(879, 880)	1999	2000	116	9	7.8	502.3	470.8	13.9	13.8	0.2	0.99	0.94	0.01	1013.8	15.8	64.02	FRWY
(880, 881)	2000	2000	184	10	11.1	705.4	665.8	20.0	19.6	0.4	0.98	0.94	0.02	1000.2	15.7	63.57	FRWY
(881, 882)	2000	2002	183	10	9.1	576.4	548.6	16.5	16.0	0.4	0.97	0.95	0.03	1000.5	15.9	63.04	FRWY
(882, 883)	2002	2002	177	10	9.1	568.8	544.8	16.3	15.8	0.5	0.97	0.96	0.03	1001.1	16.0	62.64	FRWY
(883, 884)	1960	1957	145	11	7.1	445.3	426.6	13.1	12.6	0.4	0.97	0.96	0.03	978.8	15.6	62.63	FRWY
(883, 873)	42	43	0	0	0.1	4.8	5.3	7.6	7.6	0.0	1.00	1.11	0.00	42.3	0.8	54.13	RAMP
(884, 885)	1957	1956	119	6	6.6	410.8	393.9	12.1	11.7	0.4	0.97	0.96	0.03	978.8	15.6	62.57	FRWY
(885, 886)	1956	1953	146	8	8.1	507.2	486.9	14.9	14.4	0.5	0.96	0.96	0.03	977.4	15.6	62.51	FRWY
(886, 887)	2050	2052	284	7	9.4	582.5	562.5	16.5	15.8	0.7	0.96	0.97	0.04	891.5	14.3	62.14	FRWY
(887, 888)	2052	2055	191	7	9.6	600.8	579.0	16.9	16.2	0.7	0.96	0.96	0.04	1027.9	16.5	62.26	FRWY
(875, 886)	96	97	0	0	0.1	7.8	8.6	5.3	5.3	0.0	0.99	1.10	0.01	97.0	1.8	54.36	RAMP
(888, 889)	2055	2054	207	12	10.5	651.6	628.8	18.4	17.6	0.8	0.96	0.96	0.04	1027.1	16.5	62.18	FRWY
(889, 890)	2054	2054	143	6	6.9	430.1	415.3	12.1	11.6	0.5	0.96	0.97	0.04	1026.7	16.5	62.14	FRWY

(890, 891)	2054	2051	219	14	10.9	676.6	654.0	19.1	18.3	0.8	0.96	0.97	0.04	1026.0	16.5	62.08	FRWY
(891, 892)	2051	2048	143	10	8.2	508.9	492.9	14.4	13.8	0.6	0.95	0.97	0.04	1026.3	16.6	61.95	FRWY
(892, 893)	2048	2057	366	13	19.2	1189.3	1154.6	33.8	32.2	1.6	0.95	0.97	0.05	1024.4	16.6	61.80	FRWY
(893, 894)	2057	2060	421	25	22.8	1407.9	1369.7	40.0	38.0	2.0	0.95	0.97	0.05	1028.2	16.7	61.68	FRWY
(894, 895)	2060	2056	285	14	14.0	862.6	839.4	24.5	23.3	1.2	0.95	0.97	0.05	1028.6	16.7	61.66	FRWY
(895, 896)	2056	2058	420	19	21.8	1343.7	1307.4	38.2	36.3	1.9	0.95	0.97	0.05	1028.0	16.7	61.67	FRWY
(896, 897)	2058	2051	433	22	23.3	1438.0	1398.1	40.8	38.8	2.0	0.95	0.97	0.05	1027.1	16.6	61.71	FRWY
(897, 898)	2051	2053	223	13	12.9	791.8	771.8	22.6	21.4	1.2	0.95	0.97	0.05	1024.7	16.6	61.55	FRWY
(898, 899)	2053	2066	162	7	9.5	585.2	571.0	16.6	15.8	0.9	0.95	0.98	0.05	1030.0	16.8	61.49	FRWY
(899, 900)	2033	2031	180	6	10.3	634.2	618.5	18.3	17.3	1.0	0.95	0.98	0.05	1016.6	16.5	61.53	FRWY
(899, 866)	33	34	0	0	0.1	3.9	4.2	7.6	7.6	0.0	0.99	1.08	0.01	33.4	0.6	55.47	RAMP
(900, 901)	2031	2020	193	17	12.1	742.3	725.3	21.5	20.3	1.2	0.95	0.98	0.05	1012.7	16.5	61.41	FRWY
(901, 902)	2216	2234	429	7	10.4	632.4	625.3	16.9	15.7	1.1	0.93	0.99	0.07	967.8	16.0	60.67	FRWY
(902, 903)	2234	2224	176	11	10.4	637.8	622.4	16.8	15.9	0.9	0.95	0.98	0.05	1114.4	18.1	61.49	FRWY
(858, 901)	196	196	0	0	0.5	29.6	32.9	10.1	9.8	0.3	0.97	1.11	0.03	196.0	3.6	53.90	RAMP
(903, 904)	2224	2192	235	40	11.8	725.1	709.2	19.2	18.2	1.1	0.94	0.98	0.05	1105.9	18.0	61.35	FRWY
(904, 905)	2192	2190	183	4	9.0	555.6	541.3	14.8	14.1	0.8	0.95	0.97	0.05	1095.4	17.8	61.59	FRWY
(906, 907)	2493	2492	126	10	10.1	646.5	608.0	14.4	14.2	0.3	0.98	0.94	0.02	1263.4	19.8	63.80	FRWY
(907, 908)	2492	2496	337	14	15.2	963.1	914.5	22.0	21.4	0.6	0.97	0.95	0.03	1247.0	19.7	63.19	FRWY
(908, 909)	2496	2501	258	9	11.4	710.0	683.6	16.4	15.8	0.6	0.96	0.96	0.04	1249.6	20.1	62.32	FRWY
(909, 910)	2297	2295	202	11	9.2	575.3	552.0	14.4	13.9	0.5	0.96	0.96	0.04	1147.2	18.3	62.54	FRWY
(909, 859)	204	203	0	2	0.5	29.3	32.2	9.5	9.4	0.1	0.99	1.10	0.01	203.0	3.7	54.52	RAMP
(910, 911)	2295	2296	236	6	11.1	692.3	665.9	17.4	16.7	0.7	0.96	0.96	0.04	1147.4	18.4	62.39	FRWY
(911, 912)	2296	2295	220	11	10.2	636.4	614.1	16.0	15.4	0.7	0.96	0.96	0.04	1148.3	18.5	62.18	FRWY
(861, 912)	20	20	0	0	0.0	1.9	2.1	6.4	6.3	0.0	0.99	1.11	0.01	20.0	0.4	54.04	RAMP

(912, 913)	2315	2310	263	14	10.6	656.1	634.8	16.5	15.7	0.8	0.95	0.97	0.04	1004.1	16.2	62.02	FRWY
(913, 914)	2310	2317	218	5	11.1	688.6	665.2	17.3	16.5	0.8	0.96	0.97	0.04	1156.5	18.6	62.11	FRWY
(914, 915)	2317	2321	449	21	21.9	1358.5	1316.0	34.1	32.5	1.6	0.95	0.97	0.05	1158.0	18.7	61.94	FRWY
(915, 916)	2321	2324	485	16	22.1	1370.0	1327.0	34.4	32.8	1.6	0.95	0.97	0.05	1158.5	18.7	61.95	FRWY
(916, 917)	2324	2317	418	26	20.1	1245.5	1208.5	31.3	29.8	1.5	0.95	0.97	0.05	1159.0	18.7	61.84	FRWY
(917, 918)	2317	2307	284	26	15.7	970.3	943.6	24.5	23.3	1.2	0.95	0.97	0.05	1153.9	18.7	61.70	FRWY
(918, 919)	2307	2317	404	9	20.3	1251.7	1220.0	31.7	30.0	1.7	0.95	0.97	0.05	1155.8	18.8	61.56	FRWY
(919, 920)	2317	2311	403	29	21.2	1300.4	1269.4	32.9	31.1	1.8	0.95	0.98	0.05	1157.5	18.8	61.47	FRWY
(920, 921)	2311	2314	238	6	12.9	793.9	775.9	20.1	19.0	1.1	0.94	0.98	0.05	1156.1	18.8	61.39	FRWY
(921, 922)	2314	2320	228	9	12.3	756.6	740.0	19.2	18.1	1.1	0.94	0.98	0.05	1156.6	18.9	61.34	FRWY
(922, 923)	2320	2304	220	20	12.4	762.9	746.6	19.3	18.2	1.1	0.94	0.98	0.06	1158.2	18.9	61.31	FRWY
(923, 924)	2304	2309	259	16	13.9	851.1	833.2	21.7	20.5	1.2	0.94	0.98	0.06	1149.9	18.8	61.29	FRWY
(924, 925)	2309	2320	258	5	13.2	808.6	792.8	20.5	19.4	1.2	0.94	0.98	0.06	1157.7	18.9	61.20	FRWY
(925, 926)	2278	2278	288	17	15.0	921.4	900.0	23.7	22.4	1.3	0.95	0.98	0.05	1139.3	18.5	61.43	FRWY
(925, 876)	42	42	0	0	0.1	6.4	6.8	9.7	9.7	0.0	1.00	1.07	0.00	42.0	0.7	56.33	RAMP
(926, 927)	2278	2273	207	10	11.0	676.7	661.9	17.5	16.5	1.0	0.94	0.98	0.05	1137.9	18.6	61.34	FRWY
(878, 927)	80	80	0	0	0.1	4.5	5.0	3.7	3.7	0.1	0.99	1.10	0.02	80.0	1.5	54.43	RAMP
(927, 928)	2353	2356	280	10	11.0	668.6	657.2	16.8	15.7	1.0	0.94	0.98	0.06	1023.2	16.8	61.04	FRWY
(928, 929)	2356	2347	168	17	10.1	620.7	608.4	15.5	14.6	0.9	0.94	0.98	0.06	1174.7	19.2	61.21	FRWY
(929, 930)	2347	2343	230	22	12.5	764.6	748.6	19.2	18.1	1.1	0.94	0.98	0.06	1170.8	19.1	61.28	FRWY
(930, 931)	2343	2342	160	5	8.3	509.7	499.4	12.8	12.1	0.7	0.94	0.98	0.06	1170.2	19.1	61.24	FRWY
(407, 369)	2795	2798	427	10	14.2	732.4	849.5	18.2	17.2	1.0	0.94	1.16	0.07	1400.1	27.1	51.73	RAMP
(162, 165)	3595	3595	517	11	9.8	626.4	590.4	9.6	9.5	0.2	0.98	0.94	0.02	917.7	14.4	63.66	FRWY
(165, 166)	3595	3596	108	8	8.0	510.7	479.0	8.0	7.9	0.1	0.99	0.94	0.01	898.9	14.1	63.97	FRWY
(386, 167)	3418	3420	426	4	7.8	485.5	470.0	8.3	7.9	0.4	0.95	0.97	0.04	743.0	12.0	61.97	FRWY

(167, 168)	3420	3415	176	13	7.8	485.7	467.3	8.2	7.9	0.3	0.96	0.96	0.04	854.9	13.7	62.37	FRWY
(168, 169)	3415	3418	193	13	8.3	520.2	499.1	8.8	8.4	0.3	0.96	0.96	0.04	854.1	13.7	62.53	FRWY
(404, 170)	267	267	0	0	0.3	14.5	15.9	3.6	3.5	0.0	0.99	1.10	0.01	267.0	4.9	54.69	RAMP
(7018, 171)	217	217	0	0	0.2	8.4	11.3	2.8	2.5	0.3	0.89	1.35	0.15	238.7	5.4	44.34	RAMP
(171, 172)	217	217	0	0	0.2	7.6	9.3	2.6	2.5	0.1	0.98	1.22	0.03	217.0	4.4	49.05	RAMP
(172, 387)	217	217	0	0	0.2	8.1	9.6	2.7	2.5	0.2	0.92	1.18	0.09	217.0	4.3	50.79	RAMP
(7020, 174)	243	243	0	0	0.2	10.9	14.3	3.3	3.0	0.3	0.92	1.31	0.11	263.6	5.7	45.94	RAMP
(174, 175)	243	244	0	0	0.2	11.2	13.5	3.3	3.3	0.0	0.99	1.21	0.02	243.3	4.9	49.43	RAMP
(175, 386)	244	244	0	0	0.3	13.2	15.3	3.8	3.5	0.2	0.95	1.15	0.06	244.0	4.7	51.99	RAMP
(385, 173)	449	449	0	0	0.4	21.9	24.6	3.3	3.2	0.1	0.97	1.12	0.03	449.0	8.4	53.36	RAMP
(173,7019)	449	450	0	0	0.4	20.5	24.4	3.2	3.2	0.1	0.98	1.19	0.03	449.7	8.9	50.58	RAMP
(170,7017)	267	267	0	0	0.3	14.2	16.5	3.7	3.7	0.1	0.99	1.16	0.02	267.0	5.2	51.58	RAMP
(151, 344)	1108	1105	4	3	2.4	127.4	146.8	8.0	7.6	0.4	0.95	1.15	0.06	1092.0	21.0	52.08	RAMP
(344,7026)	1105	1104	0	2	1.0	43.7	57.5	3.1	2.8	0.3	0.89	1.31	0.14	552.6	12.1	45.65	RAMP
(7007, 208)	99	99	0	0	0.1	3.5	5.6	3.0	2.5	0.5	0.84	1.59	0.25	110.3	2.9	37.62	RAMP
(209, 180)	98	98	0	0	0.1	5.2	6.2	3.8	3.5	0.3	0.92	1.19	0.09	98.0	1.9	50.48	RAMP
(396, 397)	2969	2976	1372	13	15.8	989.4	946.2	19.1	18.5	0.6	0.97	0.96	0.03	742.9	11.8	62.74	FRWY
(399, 402)	1260	1250	283	15	6.2	323.6	369.5	17.7	16.9	0.8	0.96	1.14	0.05	769.0	14.6	52.56	RAMP
(559, 407)	2799	2795	67	8	5.3	242.6	318.7	6.8	6.3	0.6	0.91	1.31	0.11	1398.3	30.6	45.67	FRWY
(370, 416)	479	480	0	0	0.5	28.0	31.8	4.0	3.8	0.1	0.97	1.13	0.04	479.2	9.0	52.97	RAMP
(403, 310)	1247	1244	197	6	4.0	175.3	238.1	11.5	9.2	2.2	0.80	1.36	0.27	981.6	22.2	44.17	RAMP
(383, 314)	1259	1262	0	3	4.8	243.6	288.8	13.7	12.7	1.1	0.92	1.19	0.09	1261.0	24.9	50.62	RAMP
(381, 315)	345	345	0	0	0.3	17.2	20.2	3.5	3.3	0.2	0.93	1.17	0.08	345.0	6.7	51.21	RAMP
(380, 381)	345	345	0	0	0.3	17.1	20.9	3.6	3.6	0.1	0.98	1.22	0.02	345.0	7.0	49.07	RAMP
(7029, 380)	344	345	0	0	0.5	21.3	27.1	4.4	4.2	0.3	0.94	1.27	0.08	366.1	7.8	47.06	RAMP

(316, 309)	956	955	0	1	1.0	50.5	57.7	3.6	3.5	0.2	0.96	1.14	0.05	955.9	18.2	52.50	RAMP
(349, 352)	424	426	0	0	1.2	57.0	70.4	9.9	9.7	0.2	0.98	1.24	0.03	425.0	8.8	48.56	FRWY
(352,7027)	426	426	0	0	0.3	13.6	17.7	2.5	2.3	0.2	0.93	1.30	0.09	426.0	9.2	46.19	FRWY
(346, 347)	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0	0.00	FRWY
(599, 678)	1049	1049	66	1	1.5	78.8	88.3	5.1	4.9	0.1	0.98	1.12	0.03	524.2	9.8	53.55	RAMP
(685, 601)	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0	0.00	RAMP
(603, 688)	1470	1470	38	8	4.2	217.0	250.0	10.2	10.1	0.1	0.99	1.15	0.01	490.3	9.4	52.09	FRWY
(382, 383)	1256	1259	0	0	1.0	46.2	62.8	3.0	2.0	1.0	0.68	1.36	0.43	1257.7	28.5	44.16	RAMP
(368, 369)	1235	1235	623	4	9.0	533.0	539.3	26.2	24.0	2.2	0.92	1.01	0.09	464.7	7.8	59.29	FRWY
(407, 411)	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0	0.00	FRWY
(406, 412)	575	575	11	1	0.9	37.6	53.6	5.6	5.2	0.3	0.94	1.43	0.09	509.2	12.1	42.08	RAMP
(412,7041)	575	574	0	1	0.6	21.6	34.3	3.6	3.0	0.6	0.84	1.58	0.25	287.0	7.6	37.89	RAMP
(7042, 414)	557	555	0	2	0.6	26.5	37.3	3.7	3.5	0.2	0.95	1.41	0.07	600.9	14.1	42.62	RAMP
(414, 415)	555	554	0	1	0.4	18.9	24.9	2.7	2.5	0.2	0.91	1.32	0.11	554.2	12.2	45.49	RAMP
(415, 307)	554	552	0	2	0.6	29.2	34.5	3.7	3.5	0.3	0.93	1.18	0.09	552.9	10.9	50.79	RAMP
(7013, 8)	514	514	0	0	0.6	19.5	34.8	3.7	1.9	1.8	0.52	1.78	0.85	566.2	16.8	33.66	RAMP
(8, 132)	514	516	0	0	0.4	17.3	23.5	2.7	1.9	0.9	0.69	1.36	0.43	514.7	11.7	44.09	RAMP

NETWORK STATISTICS

VEHICLE-MILES = 170344.6, VEHICLE-MINUTES = 172596.0, MOVING/TOTAL TRIP TIME = 0.935,

AVERAGE CONTENT = 2876.6, CURRENT CONTENT = 2910.0, SPEED(MPH) = 59.22,

TOTAL DELAY (VEH-MIN) = 11253.10, TRAVEL TIME (MIN)/VEH-MILE = 1.01, DELAY TIME (MIN)/ VEH-MILE = 0.07

LINK STATISTICS BY LANE

(SOME STATISTICS APPLY TO HOV LANES ONLY)

SEC./VEHICLE	SEC./PERSON

CENTENNIAL 2018 NO-BUILD AM PEAK

LINK	VEHICLES LANE	VEHICLES TYPE	CURR IN	VOLUME OUT	VOLUME OF CONT	VOLUME OF VEH/HR	TOTAL VIOLATORS	MOVE TIME	DELAY TIME	TOTAL TIME	MOVE TIME	DELAY TIME	SPEED TIME	TIME	MILES/HR
(153, 96)	1	SOV	---	---	4	795.3	-----	14.6	13.5	1.1	11.3	10.5	0.8	60.82
(153, 96)	2	SOV	---	---	12	1686.5	-----	14.8	14.1	0.7	11.5	10.9	0.6	59.87
(153, 96)	3	SOV	---	---	6	1266.8	-----	14.0	13.6	0.5	10.8	10.5	0.4	63.17
(153, 96)	4	SOV	---	---	6	889.8	-----	13.8	13.4	0.4	10.6	10.3	0.3	64.12
(153, 96)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(153, 96)	9	SOV	---	---	10	1660.8	-----	15.1	14.3	0.8	11.7	11.0	0.6	58.59
(563, 98)	1	SOV	---	---	5	1720.8	-----	18.0	16.1	1.9	13.9	12.4	1.5	56.84
(563, 98)	2	SOV	---	---	6	852.4	-----	17.4	16.0	1.4	13.5	12.4	1.1	58.81
(563, 98)	3	SOV	---	---	4	735.4	-----	16.1	15.7	0.4	12.4	12.1	0.3	63.42
(563, 98)	4	SOV	---	---	3	567.9	-----	15.7	15.4	0.3	12.1	11.8	0.2	65.20
(563, 98)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(154, 101)	1	SOV	---	---	4	478.7	-----	29.6	29.2	0.4	23.0	22.7	0.3	65.40
(154, 101)	2	SOV	---	---	8	958.7	-----	30.7	30.2	0.6	23.8	23.4	0.4	63.00
(154, 101)	3	SOV	---	---	6	886.8	-----	29.9	29.5	0.4	23.2	22.8	0.3	64.71
(154, 101)	4	SOV	---	---	8	872.0	-----	30.9	30.2	0.7	23.7	23.2	0.5	62.70
(154, 101)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(103, 104)	1	SOV	---	---	1	1635.5	-----	10.2	8.4	1.8	7.9	6.5	1.4	53.24
(103, 104)	2	SOV	---	---	2	1397.1	-----	8.9	8.4	0.5	6.9	6.5	0.4	61.24
(103, 104)	3	SOV	---	---	2	1017.1	-----	8.5	8.3	0.2	6.6	6.4	0.2	64.12
(103, 104)	4	SOV	---	---	2	681.2	-----	8.7	8.5	0.2	6.7	6.5	0.2	62.51
(103, 104)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(103, 104)	9	SOV	---	---	0	84.7	-----	12.0	10.5	1.6	9.3	8.1	1.2	45.30
(158, 105)	1	SOV	---	---	20	2558.0	-----	18.3	16.1	2.2	14.2	12.4	1.7	55.86
(158, 105)	2	SOV	---	---	10	1639.4	-----	16.7	15.8	0.9	12.9	12.2	0.7	61.33
(158, 105)	3	SOV	---	---	6	1091.5	-----	15.9	15.5	0.4	12.3	12.0	0.3	64.26
(158, 105)	4	SOV	---	---	2	677.6	-----	16.0	15.6	0.4	12.3	12.0	0.3	63.88
(158, 105)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(128, 97)	1	SOV	---	---	4	510.4	-----	23.0	22.4	0.6	17.8	17.3	0.5	64.90
(128, 97)	2	SOV	---	---	10	1098.7	-----	24.7	23.9	0.8	19.2	18.6	0.6	60.58
(128, 97)	3	SOV	---	---	5	1062.1	-----	23.5	23.0	0.6	18.2	17.7	0.4	63.60
(128, 97)	4	SOV	---	---	5	825.5	-----	23.2	22.6	0.7	17.9	17.4	0.5	64.36
(128, 97)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(156, 102)	1	SOV	---	---	7	1803.8	-----	15.0	13.8	1.1	11.6	10.7	0.9	59.15
(156, 102)	2	SOV	---	---	3	1104.3	-----	14.2	13.6	0.6	11.0	10.5	0.5	62.25
(156, 102)	3	SOV	---	---	4	901.3	-----	13.8	13.5	0.3	10.7	10.4	0.2	64.42
(156, 102)	4	SOV	---	---	1	670.7	-----	14.2	13.9	0.3	10.9	10.7	0.2	62.39
(156, 102)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(109,7001)	1	SOV	---	---	0	1427.0	-----	2.3	2.2	0.1	1.8	1.7	0.1	51.45
(109,7001)	2	SOV	---	---	0	641.0	-----	2.1	2.0	0.0	1.6	1.6	0.0	55.79

(102, 103)	1	SOV	---	---	6	1071.6	-----	25.3	24.1	1.2	19.6	18.7	1.0	61.15
(102, 103)	2	SOV	---	---	7	1170.1	-----	24.5	23.8	0.7	19.0	18.4	0.5	63.18
(102, 103)	3	SOV	---	---	9	962.4	-----	24.0	23.5	0.5	18.6	18.2	0.4	64.47
(102, 103)	4	SOV	---	---	4	666.5	-----	24.8	24.2	0.6	19.1	18.6	0.4	62.49
(102, 103)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(160,7002)	1	SOV	---	---	1	604.0	-----	2.7	2.7	0.0	2.1	2.1	0.0	53.87
(160,7002)	2	SOV	---	---	0	10.0	-----	2.7	2.5	0.1	2.1	2.0	0.1	54.54
(7003, 106)	1	SOV	---	---	0	420.1	-----	9.0	6.6	2.4	6.9	5.1	1.9	33.33
(7003, 106)	2	SOV	---	---	0	571.4	-----	7.9	6.5	1.5	6.1	5.0	1.1	37.93
(106, 103)	1	SOV	---	---	2	769.9	-----	10.2	7.7	2.4	7.8	6.0	1.9	41.17
(106, 103)	2	SOV	---	---	0	176.1	-----	13.6	8.5	5.1	10.5	6.6	3.9	30.68
(7004, 107)	1	SOV	---	---	3	615.1	-----	4.2	3.0	1.3	3.3	2.3	1.0	40.71
(7004, 107)	2	SOV	---	---	1	652.4	-----	3.9	3.1	0.8	3.0	2.4	0.6	44.75
(107, 104)	1	SOV	---	---	5	702.5	-----	9.6	6.4	3.2	7.4	5.0	2.5	35.07
(107, 104)	2	SOV	---	---	2	463.0	-----	9.4	6.3	3.1	7.2	4.8	2.4	36.05
(110, 109)	1	SOV	---	---	2	1461.5	-----	2.4	2.4	0.1	1.9	1.8	0.1	51.85
(110, 109)	2	SOV	---	---	0	607.2	-----	2.3	2.2	0.1	1.8	1.7	0.0	55.93
(96, 110)	1	SOV	---	---	1	1519.8	-----	1.8	1.7	0.1	1.4	1.3	0.1	52.01
(96, 110)	2	SOV	---	---	0	549.8	-----	1.6	1.6	0.0	1.3	1.2	0.0	56.18
(127, 97)	1	SOV	---	---	0	325.1	-----	10.7	7.7	3.0	8.3	6.0	2.3	37.63
(127, 97)	2	SOV	---	---	0	38.9	-----	19.5	8.0	11.5	15.1	6.2	8.9	20.75
(96, 128)	1	SOV	---	---	6	1023.0	-----	16.9	16.0	0.9	13.1	12.4	0.7	60.45
(96, 128)	2	SOV	---	---	5	1282.5	-----	16.9	16.2	0.7	13.1	12.6	0.5	60.52
(96, 128)	3	SOV	---	---	4	1116.1	-----	16.1	15.6	0.5	12.4	12.1	0.3	63.57
(96, 128)	4	SOV	---	---	6	793.2	-----	15.9	15.4	0.5	12.2	11.9	0.4	64.34
(96, 128)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(128, 129)	1	SOV	---	---	2	243.4	-----	11.8	11.2	0.6	9.1	8.7	0.4	52.51
(128, 129)	2	SOV	---	---	2	477.9	-----	11.8	11.3	0.5	9.1	8.8	0.4	52.29
(132, 130)	1	SOV	---	---	2	1682.4	-----	9.7	8.3	1.3	7.5	6.4	1.0	55.39
(132, 130)	2	SOV	---	---	2	1710.7	-----	8.8	8.3	0.5	6.9	6.5	0.4	60.49
(132, 130)	3	SOV	---	---	1	1507.5	-----	8.5	8.2	0.3	6.6	6.3	0.2	62.74
(132, 130)	4	SOV	---	---	1	1236.6	-----	8.5	8.1	0.4	6.5	6.2	0.3	62.91
(132, 130)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(132, 130)	9	SOV	---	---	0	53.1	-----	13.3	10.0	3.2	10.2	7.8	2.5	40.38
(131, 130)	1	SOV	---	---	0	124.0	-----	3.1	2.9	0.2	2.4	2.2	0.1	50.29
(151, 132)	1	SOV	---	---	5	1291.0	-----	16.8	15.9	1.0	13.0	12.3	0.8	60.40
(151, 132)	2	SOV	---	---	3	1692.6	-----	16.6	15.8	0.8	12.8	12.2	0.6	61.35

(151, 132)	3	SOV	---	---	10	1469.2	-----	16.2	15.6	0.6	12.5	12.0	0.4	62.88
(151, 132)	4	SOV	---	---	6	1217.6	-----	16.2	15.4	0.7	12.4	11.9	0.6	62.87
(151, 132)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(105, 137)	1	SOV	---	---	7	1321.4	-----	14.0	13.1	0.8	10.8	10.2	0.6	60.03
(105, 137)	2	SOV	---	---	6	1655.3	-----	13.6	13.0	0.6	10.5	10.0	0.4	61.77
(105, 137)	3	SOV	---	---	4	1164.8	-----	13.0	12.7	0.3	10.1	9.8	0.3	64.28
(105, 137)	4	SOV	---	---	2	715.0	-----	13.1	12.8	0.3	10.1	9.8	0.3	63.90
(105, 137)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(98, 138)	1	SOV	---	---	2	1457.6	-----	6.8	6.4	0.4	5.3	5.0	0.3	51.22
(98, 138)	2	SOV	---	---	0	0.2	-----	7.2	-4.8	12.0	5.6	-3.7	9.3	48.37
(138, 139)	1	SOV	---	---	0	1365.2	-----	2.6	2.5	0.1	2.0	1.9	0.1	52.32
(138, 139)	2	SOV	---	---	0	92.6	-----	2.6	2.3	0.4	2.1	1.8	0.3	51.60
(141, 140)	1	SOV	---	---	0	202.5	-----	11.4	5.9	5.5	8.8	4.6	4.2	25.24
(141, 140)	2	SOV	---	---	2	1080.9	-----	7.7	5.2	2.5	5.9	4.0	1.9	37.54
(140, 101)	1	SOV	---	---	7	1239.1	-----	10.8	9.3	1.6	8.4	7.2	1.2	46.96
(140, 101)	2	SOV	---	---	0	51.7	-----	11.9	11.9	0.0	9.2	9.2	0.0	42.68
(105, 143)	1	SOV	---	---	1	1102.3	-----	4.0	3.9	0.2	3.1	3.0	0.1	52.51
(7005, 127)	1	SOV	---	---	0	278.7	-----	2.7	1.3	1.4	2.1	1.0	1.1	26.05
(7005, 127)	2	SOV	---	---	0	155.2	-----	2.0	1.4	0.6	1.5	1.1	0.5	35.05
(129,7006)	1	SOV	---	---	1	109.0	-----	4.0	3.3	0.7	3.1	2.6	0.6	39.79
(129,7006)	2	SOV	---	---	0	613.0	-----	3.9	3.4	0.5	3.0	2.6	0.4	41.42
(147, 148)	1	SOV	---	---	0	410.0	-----	6.0	5.6	0.4	4.6	4.4	0.3	46.98
(148, 137)	1	SOV	---	---	4	408.3	-----	4.1	3.8	0.3	3.2	3.0	0.2	50.78
(163, 149)	1	SOV	---	---	7	1056.6	-----	33.6	32.8	0.8	26.1	25.5	0.6	63.85
(163, 149)	2	SOV	---	---	12	1364.3	-----	34.1	33.2	0.9	26.4	25.8	0.7	63.02
(163, 149)	3	SOV	---	---	10	1216.5	-----	33.4	32.8	0.6	25.9	25.4	0.5	64.28
(163, 149)	4	SOV	---	---	16	1326.5	-----	34.0	33.2	0.8	26.2	25.6	0.6	63.09
(163, 149)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(311, 150)	1	SOV	---	---	3	2503.4	-----	9.5	8.3	1.2	7.3	6.4	0.9	56.14
(311, 150)	2	SOV	---	---	2	1662.3	-----	8.8	8.3	0.6	6.8	6.4	0.4	60.42
(311, 150)	3	SOV	---	---	3	1438.9	-----	8.5	8.2	0.3	6.6	6.3	0.3	62.53
(311, 150)	4	SOV	---	---	5	1154.2	-----	8.5	8.1	0.3	6.5	6.2	0.3	63.06
(311, 150)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(152, 153)	1	SOV	---	---	1	728.4	-----	2.5	2.3	0.2	1.9	1.7	0.2	55.09
(152, 153)	2	SOV	---	---	2	1847.6	-----	2.4	2.1	0.3	1.8	1.6	0.2	57.59
(152, 153)	3	SOV	---	---	1	1127.7	-----	2.2	2.1	0.1	1.7	1.6	0.1	62.20
(152, 153)	4	HOV	0	858	0	626.0	626.0	2.1	2.1	0.1	1.6	1.6	0.1	64.05

(152, 153)	9	SOV	---	---	2	1975.9	-----	2.3	2.1	0.2	1.8	1.6	0.2	58.98
(130, 152)	1	SOV	---	---	7	1729.2	-----	15.0	13.7	1.3	11.6	10.6	1.0	58.93
(130, 152)	2	SOV	---	---	10	2007.4	-----	15.0	13.8	1.1	11.6	10.7	0.9	59.28
(130, 152)	3	SOV	---	---	8	1449.1	-----	14.2	13.6	0.6	10.9	10.5	0.4	62.58
(130, 152)	4	SOV	---	---	4	1119.6	-----	14.1	13.5	0.6	10.8	10.4	0.5	62.94
(130, 152)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(130, 152)	9	SOV	---	---	0	7.9	-----	18.6	3.8	14.7	14.3	2.9	11.4	47.74
(100, 154)	1	SOV	---	---	1	429.6	-----	17.3	17.2	0.1	13.4	13.4	0.1	65.53
(100, 154)	2	SOV	---	---	4	1040.3	-----	17.7	17.5	0.2	13.8	13.6	0.2	63.76
(100, 154)	3	SOV	---	---	4	800.6	-----	17.4	17.3	0.2	13.5	13.4	0.1	64.88
(100, 154)	4	SOV	---	---	5	961.8	-----	17.7	17.5	0.2	13.7	13.5	0.2	63.73
(100, 154)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(101, 155)	1	SOV	---	---	11	1518.9	-----	15.6	13.6	2.0	12.1	10.5	1.5	56.87
(101, 155)	2	SOV	---	---	3	1101.9	-----	14.4	13.7	0.7	11.2	10.6	0.5	61.62
(101, 155)	3	SOV	---	---	3	975.7	-----	13.8	13.5	0.3	10.7	10.4	0.2	64.32
(101, 155)	4	SOV	---	---	7	824.0	-----	14.3	13.9	0.4	11.0	10.7	0.3	62.17
(101, 155)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(101, 155)	9	SOV	---	---	1	60.1	-----	20.2	16.4	3.8	15.6	12.7	3.0	43.86
(155, 156)	1	SOV	---	---	4	1615.5	-----	2.2	2.1	0.1	1.7	1.6	0.1	60.86
(155, 156)	2	SOV	---	---	1	1189.2	-----	2.2	2.1	0.1	1.7	1.6	0.1	62.61
(155, 156)	3	SOV	---	---	0	964.7	-----	2.1	2.1	0.1	1.6	1.6	0.0	64.07
(155, 156)	4	SOV	---	---	0	708.2	-----	2.2	2.1	0.1	1.7	1.6	0.0	62.15
(155, 156)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(104, 157)	1	SOV	---	---	21	2187.9	-----	22.2	15.9	6.3	17.2	12.3	4.9	46.07
(104, 157)	2	SOV	---	---	12	1774.0	-----	17.7	15.8	1.9	13.7	12.2	1.5	57.71
(104, 157)	3	SOV	---	---	4	1165.7	-----	16.2	15.5	0.7	12.6	12.0	0.6	62.95
(104, 157)	4	SOV	---	---	1	733.9	-----	16.3	15.8	0.5	12.6	12.2	0.4	62.58
(104, 157)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(104, 157)	9	SOV	---	---	4	119.2	-----	28.8	24.9	3.9	22.2	19.2	3.0	35.50
(157, 158)	1	SOV	---	---	3	2675.1	-----	2.5	2.1	0.3	1.9	1.6	0.3	55.65
(157, 158)	2	SOV	---	---	1	1621.0	-----	2.2	2.1	0.1	1.7	1.6	0.1	60.63
(157, 158)	3	SOV	---	---	1	1033.2	-----	2.1	2.1	0.1	1.7	1.6	0.1	63.63
(157, 158)	4	SOV	---	---	1	644.9	-----	2.2	2.1	0.1	1.7	1.6	0.0	63.38
(157, 158)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(137, 159)	1	SOV	---	---	8	2518.2	-----	12.1	9.8	2.3	9.4	7.6	1.8	52.41
(137, 159)	2	SOV	---	---	5	1316.2	-----	10.6	9.8	0.8	8.2	7.6	0.6	59.99
(137, 159)	3	SOV	---	---	1	882.1	-----	9.9	9.6	0.3	7.7	7.4	0.2	64.04
(137, 159)	4	SOV	---	---	0	515.0	-----	9.9	9.7	0.2	7.6	7.5	0.2	64.27
(137, 159)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(137, 159)	9	SOV	---	---	0	41.6	-----	13.9	11.3	2.6	10.8	8.8	2.0	45.75
(150, 151)	1	SOV	---	---	4	2430.6	-----	8.6	7.8	0.8	6.7	6.0	0.7	56.89
(150, 151)	2	SOV	---	---	3	1702.3	-----	8.0	7.6	0.4	6.2	5.9	0.3	61.52

(150, 151)	3	SOV	---	---	0	1454.6	-----	7.8	7.5	0.3	6.0	5.8	0.2	62.78
(150, 151)	4	SOV	---	---	0	1179.5	-----	7.8	7.4	0.3	6.0	5.7	0.3	62.82
(150, 151)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(325, 95)	1	SOV	---	---	9	1023.4	-----	36.7	35.2	1.5	28.4	27.3	1.1	60.91
(325, 95)	2	SOV	---	---	8	980.7	-----	36.0	35.0	1.0	27.8	27.1	0.8	62.01
(325, 95)	3	SOV	---	---	9	958.7	-----	34.6	33.9	0.7	26.7	26.1	0.5	64.59
(325, 95)	4	SOV	---	---	5	702.0	-----	34.0	33.3	0.7	26.1	25.6	0.5	65.73
(325, 95)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(102, 160)	1	SOV	---	---	3	614.6	-----	5.3	5.2	0.1	4.1	4.0	0.1	53.70
(102, 160)	2	SOV	---	---	0	0.7	-----	5.5	4.0	1.5	4.3	3.1	1.2	51.91
(98, 99)	1	SOV	---	---	6	498.4	-----	24.4	23.5	0.8	18.8	18.2	0.6	62.82
(98, 99)	2	SOV	---	---	3	694.9	-----	25.0	24.2	0.7	19.3	18.8	0.6	61.29
(98, 99)	3	SOV	---	---	1	679.2	-----	23.9	23.5	0.4	18.4	18.2	0.3	64.01
(98, 99)	4	SOV	---	---	2	541.3	-----	23.4	23.0	0.3	18.0	17.7	0.2	65.52
(98, 99)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(99, 164)	1	SOV	---	---	3	508.3	-----	15.8	15.5	0.3	12.2	12.0	0.2	63.92
(99, 164)	2	SOV	---	---	2	677.7	-----	16.4	16.0	0.4	12.7	12.4	0.3	61.62
(99, 164)	3	SOV	---	---	5	684.7	-----	15.8	15.5	0.2	12.2	12.0	0.2	64.10
(99, 164)	4	SOV	---	---	3	534.2	-----	15.5	15.2	0.2	11.9	11.7	0.2	65.31
(99, 164)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(295, 200)	1	SOV	---	---	1	725.5	-----	8.4	8.3	0.1	6.5	6.4	0.1	47.66
(295, 200)	2	SOV	---	---	1	751.0	-----	8.4	8.3	0.1	6.5	6.4	0.1	47.68
(295, 200)	9	SOV	---	---	0	85.6	-----	8.8	8.7	0.2	6.8	6.7	0.1	45.08
(203, 201)	1	SOV	---	---	0	857.1	-----	1.8	1.7	0.0	1.4	1.3	0.0	63.37
(203, 201)	2	SOV	---	---	0	874.1	-----	1.8	1.7	0.0	1.4	1.3	0.0	63.41
(200, 199)	1	SOV	---	---	1	650.6	-----	6.7	6.6	0.1	5.2	5.1	0.0	44.49
(200, 199)	2	SOV	---	---	2	754.2	-----	6.7	6.6	0.1	5.2	5.1	0.1	44.43
(179, 178)	1	SOV	---	---	3	616.3	-----	6.4	6.2	0.2	4.9	4.8	0.2	53.68
(179, 178)	2	SOV	---	---	2	594.3	-----	6.4	6.2	0.2	4.9	4.8	0.2	53.65
(180, 179)	1	SOV	---	---	1	598.3	-----	12.7	12.5	0.2	9.8	9.6	0.2	53.52
(180, 179)	2	SOV	---	---	3	607.9	-----	12.7	12.4	0.2	9.8	9.6	0.2	53.78
(180, 179)	9	SOV	---	---	0	5.7	-----	13.5	12.3	1.2	10.5	9.5	0.9	50.51
(181, 180)	1	SOV	---	---	0	506.4	-----	6.3	6.2	0.1	4.9	4.8	0.1	53.85
(181, 180)	2	SOV	---	---	1	607.6	-----	6.3	6.2	0.1	4.9	4.8	0.1	53.93
(199, 198)	1	SOV	---	---	1	624.2	-----	8.4	8.2	0.2	6.5	6.3	0.1	44.44
(199, 198)	2	SOV	---	---	1	781.4	-----	8.4	8.2	0.2	6.5	6.4	0.2	44.24
(198, 197)	1	SOV	---	---	5	839.7	-----	15.9	15.1	0.8	12.3	11.7	0.6	51.91
(198, 197)	2	SOV	---	---	3	832.9	-----	15.9	15.1	0.7	12.3	11.7	0.6	52.04

(198, 197)	9	SOV	---	---	0	10.6	-----	18.8	17.7	1.1	14.5	13.7	0.8	44.00
(197, 196)	1	SOV	---	---	6	1038.8	-----	19.4	18.7	0.7	15.0	14.5	0.5	52.77
(197, 196)	2	SOV	---	---	7	894.2	-----	19.1	18.6	0.5	14.8	14.4	0.4	53.58
(197, 196)	9	SOV	---	---	0	9.2	-----	24.3	21.2	3.1	18.8	16.4	2.4	42.08
(196, 195)	1	SOV	---	---	6	1016.4	-----	33.3	32.3	1.0	25.7	24.9	0.8	52.87
(196, 195)	2	SOV	---	---	3	922.8	-----	32.9	32.0	0.9	25.5	24.8	0.7	53.42
(182, 181)	1	SOV	---	---	4	479.1	-----	21.7	21.4	0.3	16.8	16.6	0.2	53.58
(182, 181)	2	SOV	---	---	6	635.7	-----	21.5	21.2	0.3	16.6	16.4	0.3	54.16
(183, 182)	1	SOV	---	---	7	1250.9	-----	19.4	18.7	0.7	15.0	14.4	0.5	52.75
(183, 182)	2	SOV	---	---	4	667.5	-----	18.8	18.5	0.3	14.5	14.3	0.2	54.40
(184, 183)	1	SOV	---	---	9	1040.1	-----	24.3	24.0	0.3	18.8	18.5	0.3	53.82
(184, 183)	2	SOV	---	---	4	897.0	-----	24.0	23.7	0.3	18.5	18.3	0.2	54.58
(205, 204)	1	SOV	---	---	3	264.7	-----	2.9	2.8	0.1	2.2	2.2	0.0	43.69
(204, 197)	1	SOV	---	---	2	261.3	-----	4.8	4.7	0.1	3.7	3.6	0.0	43.96
(182, 193)	1	SOV	---	---	1	391.0	-----	7.4	6.3	1.0	5.7	4.9	0.8	54.47
(182, 193)	2	SOV	---	---	0	410.5	-----	6.7	6.2	0.6	5.2	4.8	0.4	59.42
(193, 194)	1	SOV	---	---	0	159.4	-----	4.4	3.7	0.7	3.4	2.9	0.5	59.21
(193, 194)	2	SOV	---	---	0	642.4	-----	4.3	4.0	0.3	3.3	3.1	0.2	60.22
(193, 194)	3	SOV	---	---	0	0.2	-----	5.1	-1.3	6.4	3.9	-1.0	4.9	50.62
(208, 209)	1	SOV	---	---	1	98.6	-----	6.6	6.2	0.4	5.1	4.8	0.3	46.72
(207, 198)	1	SOV	---	---	0	275.2	-----	5.3	5.1	0.1	4.1	3.9	0.1	43.13
(206, 207)	1	SOV	---	---	0	275.0	-----	2.8	2.6	0.2	2.1	2.0	0.1	36.88
(200, 210)	1	SOV	---	---	0	158.0	-----	4.2	4.1	0.1	3.2	3.2	0.0	44.38
(210, 211)	1	SOV	---	---	1	158.1	-----	3.6	3.6	0.0	2.8	2.7	0.0	41.36
(178, 202)	1	SOV	---	---	1	612.0	-----	1.9	1.7	0.2	1.5	1.3	0.2	54.59
(178, 202)	2	SOV	---	---	0	598.1	-----	1.9	1.7	0.2	1.5	1.3	0.2	54.49
(139,7009)	1	SOV	---	---	0	1304.0	-----	2.2	2.1	0.1	1.7	1.6	0.1	52.22
(139,7009)	2	SOV	---	---	0	154.0	-----	2.1	2.0	0.1	1.6	1.5	0.1	54.42
(7010, 141)	1	SOV	---	---	0	680.0	-----	6.6	5.3	1.2	5.1	4.1	1.0	44.93
(7010, 141)	2	SOV	---	---	0	671.5	-----	6.3	5.3	1.0	4.9	4.1	0.8	46.91
(211,7011)	1	SOV	---	---	0	158.6	-----	4.7	4.6	0.1	3.6	3.6	0.1	34.50

(7012, 206)	1	SOV	---	---	1	321.6	-----	2.3	2.1	0.1	1.8	1.7	0.1	33.63
(7014, 205)	1	SOV	---	---	0	286.3	-----	4.0	3.8	0.3	3.1	2.9	0.2	41.80
(194,7015)	1	SOV	---	---	0	183.0	-----	2.1	1.8	0.3	1.6	1.4	0.3	55.65
(194,7015)	2	SOV	---	---	0	615.0	-----	2.1	1.9	0.2	1.6	1.4	0.2	55.29
(194,7015)	3	SOV	---	---	0	4.0	-----	2.5	1.9	0.6	1.9	1.5	0.4	46.78
(201, 295)	1	SOV	---	---	2	768.3	-----	8.9	8.8	0.0	6.9	6.8	0.0	57.23
(201, 295)	2	SOV	---	---	2	791.0	-----	8.9	8.8	0.0	6.8	6.8	0.0	57.38
(149, 298)	1	SOV	---	---	3	1472.6	-----	16.4	15.7	0.8	12.8	12.2	0.6	62.19
(149, 298)	2	SOV	---	---	6	1187.9	-----	16.3	15.8	0.5	12.7	12.3	0.4	62.56
(149, 298)	3	SOV	---	---	6	1183.4	-----	16.0	15.6	0.4	12.4	12.1	0.3	63.83
(149, 298)	4	SOV	---	---	7	1087.8	-----	16.4	15.9	0.5	12.7	12.2	0.4	62.18
(149, 298)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(533, 299)	1	SOV	---	---	2	1662.3	-----	8.5	5.7	2.8	6.6	4.4	2.1	44.63
(533, 299)	2	SOV	---	---	2	1391.7	-----	6.5	5.8	0.6	5.0	4.5	0.5	58.51
(533, 299)	3	SOV	---	---	2	1272.2	-----	6.0	5.8	0.2	4.6	4.5	0.2	63.17
(533, 299)	4	SOV	---	---	0	1036.1	-----	6.1	5.9	0.2	4.7	4.5	0.2	62.03
(533, 299)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(533, 299)	9	SOV	---	---	0	195.0	-----	10.1	8.3	1.8	7.8	6.4	1.4	37.47
(299, 300)	1	SOV	---	---	2	1900.9	-----	20.8	15.8	5.1	16.1	12.2	3.9	49.09
(299, 300)	2	SOV	---	---	5	1733.7	-----	17.9	15.9	2.0	13.9	12.3	1.6	57.21
(299, 300)	3	SOV	---	---	6	1424.1	-----	16.4	15.6	0.8	12.7	12.1	0.6	62.27
(299, 300)	4	SOV	---	---	2	1097.9	-----	16.5	15.9	0.7	12.7	12.2	0.5	61.92
(299, 300)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(299, 300)	9	SOV	---	---	0	60.7	-----	24.9	20.9	4.0	19.3	16.2	3.1	40.99
(300, 301)	1	SOV	---	---	14	1797.9	-----	29.2	27.2	2.0	22.6	21.1	1.5	60.64
(300, 301)	2	SOV	---	---	16	1720.3	-----	29.0	27.5	1.5	22.5	21.3	1.2	61.07
(300, 301)	3	SOV	---	---	13	1543.2	-----	28.1	27.0	1.1	21.7	20.9	0.8	62.94
(300, 301)	4	SOV	---	---	9	1168.7	-----	28.5	27.3	1.1	21.9	21.0	0.9	62.15
(300, 301)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(301, 302)	1	SOV	---	---	7	2018.4	-----	12.7	11.5	1.1	9.8	8.9	0.9	59.27
(301, 302)	2	SOV	---	---	7	1623.5	-----	12.3	11.7	0.6	9.5	9.0	0.5	60.90
(301, 302)	3	SOV	---	---	6	1466.1	-----	11.9	11.5	0.5	9.2	8.9	0.4	62.80
(301, 302)	4	SOV	---	---	4	1116.0	-----	12.1	11.6	0.5	9.3	8.9	0.4	62.23
(301, 302)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(302, 303)	1	SOV	---	---	15	2030.1	-----	17.3	15.9	1.5	13.4	12.3	1.1	59.10
(302, 303)	2	SOV	---	---	9	1614.9	-----	16.8	15.9	0.9	13.0	12.3	0.7	61.00
(302, 303)	3	SOV	---	---	8	1448.8	-----	16.3	15.6	0.7	12.6	12.1	0.5	62.73
(302, 303)	4	SOV	---	---	9	1130.0	-----	16.4	15.7	0.7	12.6	12.1	0.5	62.25
(302, 303)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(303, 304)	1	SOV	---	---	4	1466.0	-----	10.4	8.3	2.0	8.0	6.4	1.6	52.07

(303, 304)	2	SOV	---	---	3	1603.1	-----	9.2	8.4	0.8	7.1	6.5	0.6	58.83
(303, 304)	3	SOV	---	---	5	1478.2	-----	8.6	8.2	0.4	6.7	6.4	0.3	62.51
(303, 304)	4	SOV	---	---	3	1146.6	-----	8.7	8.3	0.4	6.7	6.4	0.3	62.14
(303, 304)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(304, 305)	1	SOV	---	---	24	1794.4	-----	52.5	16.4	36.2	40.7	12.7	28.0	19.47
(304, 305)	2	SOV	---	---	9	1496.4	-----	26.5	16.6	9.9	20.6	12.9	7.7	38.63
(304, 305)	3	SOV	---	---	4	1342.7	-----	17.8	15.6	2.2	13.8	12.1	1.7	57.45
(304, 305)	4	SOV	---	---	3	1005.1	-----	16.6	15.6	1.0	12.8	12.0	0.8	61.61
(304, 305)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(305, 306)	1	SOV	---	---	22	2288.0	-----	31.5	10.1	21.4	24.4	7.8	16.5	20.04
(305, 306)	2	SOV	---	---	6	1508.0	-----	13.8	9.9	3.9	10.8	7.7	3.0	45.68
(305, 306)	3	SOV	---	---	7	1558.9	-----	10.7	9.7	1.0	8.2	7.5	0.7	59.28
(305, 306)	4	SOV	---	---	3	1183.3	-----	10.2	9.7	0.6	7.9	7.4	0.4	61.78
(305, 306)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(305, 306)	9	SOV	---	---	6	472.3	-----	25.6	19.6	6.0	19.8	15.1	4.6	24.67
(306, 307)	1	SOV	---	---	5	740.2	-----	32.4	30.5	1.9	25.1	23.6	1.5	60.77
(306, 307)	2	SOV	---	---	12	1332.6	-----	33.4	30.9	2.5	26.0	24.1	1.9	59.04
(306, 307)	3	SOV	---	---	11	1588.4	-----	31.5	30.3	1.2	24.3	23.4	0.9	62.49
(306, 307)	4	SOV	---	---	5	1304.1	-----	31.5	30.1	1.5	24.3	23.1	1.1	62.48
(306, 307)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(307, 310)	1	SOV	---	---	3	1230.2	-----	9.8	8.9	0.9	7.5	6.8	0.7	58.98
(307, 310)	2	SOV	---	---	5	1348.2	-----	9.6	9.0	0.6	7.4	7.0	0.4	60.23
(307, 310)	3	SOV	---	---	8	1565.5	-----	9.2	8.9	0.4	7.1	6.8	0.3	62.35
(307, 310)	4	SOV	---	---	8	1331.9	-----	9.2	8.8	0.5	7.1	6.8	0.4	62.24
(307, 310)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(307, 310)	9	SOV	---	---	1	40.5	-----	12.0	10.1	1.9	9.3	7.8	1.5	47.87
(310, 311)	1	SOV	---	---	14	2428.0	-----	20.1	15.8	4.3	15.5	12.2	3.3	50.86
(310, 311)	2	SOV	---	---	8	1581.4	-----	17.5	15.9	1.6	13.6	12.3	1.2	58.59
(310, 311)	3	SOV	---	---	7	1453.3	-----	16.4	15.7	0.7	12.7	12.1	0.5	62.19
(310, 311)	4	SOV	---	---	7	1213.6	-----	16.3	15.6	0.7	12.6	12.0	0.6	62.62
(310, 311)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(310, 311)	9	SOV	---	---	1	78.7	-----	24.5	19.7	4.8	19.0	15.3	3.7	41.74
(159, 312)	1	SOV	---	---	1	2546.5	-----	7.0	6.0	1.0	5.4	4.7	0.8	54.85
(159, 312)	2	SOV	---	---	1	1274.5	-----	6.4	6.0	0.4	4.9	4.6	0.3	60.73
(159, 312)	3	SOV	---	---	1	914.7	-----	6.0	5.9	0.2	4.6	4.5	0.1	64.31
(159, 312)	4	SOV	---	---	1	547.0	-----	6.0	5.9	0.1	4.6	4.5	0.1	64.48
(159, 312)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(312, 313)	1	SOV	---	---	9	2478.2	-----	11.3	10.1	1.2	8.7	7.8	0.9	56.25
(312, 313)	2	SOV	---	---	2	1281.4	-----	10.3	9.9	0.4	7.9	7.7	0.3	61.93
(312, 313)	3	SOV	---	---	0	951.4	-----	9.8	9.6	0.2	7.6	7.4	0.2	64.70
(312, 313)	4	SOV	---	---	1	579.7	-----	9.9	9.6	0.2	7.6	7.4	0.2	64.57
(312, 313)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00

(313, 314)	1	SOV	---	---	7	785.1	-----	41.3	39.5	1.8	32.0	30.6	1.4	61.29
(313, 314)	2	SOV	---	---	12	1183.9	-----	40.9	39.7	1.3	31.7	30.7	1.0	61.86
(313, 314)	3	SOV	---	---	9	984.0	-----	39.3	38.4	0.8	30.3	29.7	0.6	64.50
(313, 314)	4	SOV	---	---	5	630.3	-----	39.1	38.2	0.9	30.1	29.4	0.7	64.77
(313, 314)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(314, 315)	1	SOV	---	---	5	1944.3	-----	6.2	3.9	2.3	4.8	3.0	1.7	41.93
(314, 315)	2	SOV	---	---	0	1278.4	-----	4.5	4.0	0.5	3.5	3.1	0.4	58.07
(314, 315)	3	SOV	---	---	1	821.1	-----	4.0	3.9	0.1	3.1	3.0	0.1	64.18
(314, 315)	4	SOV	---	---	0	537.1	-----	4.0	3.9	0.1	3.1	3.0	0.1	64.82
(314, 315)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(314, 315)	9	SOV	---	---	2	236.9	-----	10.2	5.9	4.4	7.9	4.5	3.4	25.39
(555, 316)	1	SOV	---	---	8	2103.0	-----	8.9	8.1	0.8	6.9	6.3	0.6	57.40
(555, 316)	2	SOV	---	---	5	1421.6	-----	8.4	8.1	0.3	6.5	6.2	0.3	61.13
(555, 316)	3	SOV	---	---	3	1007.3	-----	8.0	7.8	0.2	6.1	6.0	0.1	64.49
(555, 316)	4	SOV	---	---	1	639.5	-----	7.9	7.7	0.2	6.1	5.9	0.1	65.25
(555, 316)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(316, 317)	1	SOV	---	---	11	1138.1	-----	19.5	18.6	0.9	15.1	14.4	0.7	60.98
(316, 317)	2	SOV	---	---	10	1339.9	-----	19.4	18.7	0.6	15.0	14.5	0.5	61.51
(316, 317)	3	SOV	---	---	5	1033.4	-----	18.4	18.1	0.4	14.2	14.0	0.3	64.59
(316, 317)	4	SOV	---	---	4	690.3	-----	18.2	17.8	0.4	14.0	13.7	0.3	65.43
(316, 317)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(317, 318)	1	SOV	---	---	7	1108.5	-----	16.7	15.9	0.7	12.9	12.3	0.6	61.29
(317, 318)	2	SOV	---	---	8	1271.7	-----	16.7	16.1	0.6	13.0	12.5	0.5	61.09
(317, 318)	3	SOV	---	---	2	1075.8	-----	15.9	15.5	0.3	12.2	12.0	0.2	64.50
(317, 318)	4	SOV	---	---	7	737.2	-----	15.6	15.3	0.4	12.0	11.8	0.3	65.42
(317, 318)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(318, 319)	1	SOV	---	---	12	1463.4	-----	17.2	15.9	1.3	13.3	12.3	1.0	59.50
(318, 319)	2	SOV	---	---	7	1300.6	-----	16.8	16.1	0.7	13.0	12.5	0.5	60.81
(318, 319)	3	SOV	---	---	5	1117.9	-----	15.9	15.5	0.3	12.2	12.0	0.3	64.40
(318, 319)	4	SOV	---	---	4	785.8	-----	15.6	15.3	0.4	12.0	11.7	0.3	65.39
(318, 319)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(318, 319)	9	SOV	---	---	0	22.4	-----	20.8	17.8	3.0	16.1	13.8	2.3	49.11
(319, 320)	1	SOV	---	---	2	1444.2	-----	8.2	7.8	0.4	6.4	6.0	0.3	60.96
(319, 320)	2	SOV	---	---	3	1283.0	-----	8.2	7.9	0.3	6.3	6.1	0.2	61.16
(319, 320)	3	SOV	---	---	2	1146.0	-----	7.8	7.6	0.2	6.0	5.9	0.1	64.38
(319, 320)	4	SOV	---	---	1	822.7	-----	7.7	7.5	0.2	5.9	5.7	0.2	65.28
(319, 320)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(320, 321)	1	SOV	---	---	14	1865.4	-----	19.4	17.7	1.8	15.1	13.7	1.4	58.48
(320, 321)	2	SOV	---	---	6	1153.2	-----	18.6	17.8	0.8	14.4	13.8	0.6	61.20
(320, 321)	3	SOV	---	---	3	973.8	-----	17.6	17.3	0.4	13.6	13.3	0.3	64.48
(320, 321)	4	SOV	---	---	6	702.3	-----	17.4	17.0	0.4	13.4	13.1	0.3	65.35
(320, 321)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00

(321, 322)	1	SOV	---	---	10	1719.7	-----	17.4	16.2	1.2	13.5	12.6	0.9	58.75
(321, 322)	2	SOV	---	---	4	1015.4	-----	16.5	16.0	0.5	12.7	12.4	0.4	62.06
(321, 322)	3	SOV	---	---	5	856.7	-----	15.8	15.5	0.3	12.1	11.9	0.2	64.93
(321, 322)	4	SOV	---	---	3	605.7	-----	15.6	15.3	0.3	12.0	11.8	0.2	65.70
(321, 322)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(321, 322)	9	SOV	---	---	4	497.7	-----	17.1	16.5	0.6	13.2	12.7	0.5	59.71
(322, 323)	1	SOV	---	---	4	779.6	-----	19.8	19.1	0.7	15.4	14.8	0.6	60.93
(322, 323)	2	SOV	---	---	7	979.5	-----	19.4	18.9	0.5	15.0	14.6	0.4	62.17
(322, 323)	3	SOV	---	---	3	878.2	-----	18.6	18.3	0.3	14.3	14.1	0.2	65.01
(322, 323)	4	SOV	---	---	3	635.8	-----	18.4	18.0	0.3	14.1	13.9	0.3	65.68
(322, 323)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(323, 324)	1	SOV	---	---	2	918.9	-----	10.1	9.6	0.5	7.8	7.4	0.4	60.53
(323, 324)	2	SOV	---	---	2	955.5	-----	9.9	9.6	0.3	7.6	7.4	0.2	61.77
(323, 324)	3	SOV	---	---	2	909.6	-----	9.4	9.2	0.2	7.3	7.1	0.1	64.79
(323, 324)	4	SOV	---	---	4	654.9	-----	9.3	9.1	0.2	7.1	7.0	0.1	65.69
(323, 324)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(323, 324)	9	SOV	---	---	0	11.0	-----	12.2	10.4	1.8	9.4	8.0	1.4	50.10
(324, 325)	1	SOV	---	---	1	1080.6	-----	16.9	16.1	0.8	13.1	12.4	0.6	60.51
(324, 325)	2	SOV	---	---	3	962.5	-----	16.5	16.1	0.5	12.8	12.4	0.4	61.83
(324, 325)	3	SOV	---	---	3	941.8	-----	15.8	15.5	0.3	12.2	11.9	0.2	64.72
(324, 325)	4	SOV	---	---	2	671.8	-----	15.6	15.2	0.3	12.0	11.7	0.3	65.68
(324, 325)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(324, 325)	9	SOV	---	---	0	10.9	-----	20.3	17.3	3.0	15.6	13.3	2.3	50.42
(7023, 147)	1	SOV	---	---	1	451.8	-----	3.4	2.8	0.6	2.6	2.1	0.5	37.65
(143,7025)	1	SOV	---	---	1	1101.0	-----	2.1	2.0	0.1	1.6	1.6	0.1	49.29
(144, 131)	1	SOV	---	---	0	124.0	-----	2.1	2.0	0.1	1.6	1.5	0.1	48.39
(7022, 144)	1	SOV	---	---	0	137.2	-----	2.6	2.3	0.3	2.0	1.8	0.2	43.99
(347, 348)	1	SOV	---	---	0	264.7	-----	3.0	2.9	0.1	2.3	2.2	0.1	50.36
(347, 348)	6	SOV	---	---	0	1449.6	-----	2.9	2.9	0.1	2.3	2.2	0.1	50.39
(348, 349)	1	SOV	---	---	0	538.7	-----	4.6	4.6	0.1	3.6	3.5	0.1	49.74
(348, 349)	6	SOV	---	---	1	1176.4	-----	4.8	4.7	0.1	3.7	3.6	0.1	48.06
(560, 370)	1	SOV	---	---	4	1628.3	-----	4.8	4.4	0.4	3.7	3.4	0.3	58.10
(560, 370)	2	SOV	---	---	2	1178.3	-----	4.5	4.3	0.2	3.5	3.3	0.2	61.40
(560, 370)	3	SOV	---	---	3	1213.2	-----	4.5	4.3	0.2	3.5	3.3	0.2	61.95
(560, 370)	4	HOV	7	7	0	7.0	7.0	4.4	4.3	0.1	3.4	3.4	0.1	63.31
(370, 371)	1	SOV	---	---	2	1117.6	-----	19.8	19.0	0.9	15.3	14.7	0.7	61.66
(370, 371)	2	SOV	---	---	7	1244.8	-----	19.4	18.8	0.6	15.0	14.5	0.5	63.05
(370, 371)	3	SOV	---	---	3	1182.4	-----	19.6	18.8	0.8	15.1	14.5	0.6	62.36
(370, 371)	4	HOV	7	7	0	7.0	7.0	19.0	18.9	0.2	14.8	14.7	0.1	64.17

(371, 372)	1	SOV	---	---	5	1075.8	-----	16.4	15.5	0.8	12.6	12.0	0.6	61.42
(371, 372)	2	SOV	---	---	6	1315.4	-----	16.0	15.5	0.5	12.3	11.9	0.4	62.84
(371, 372)	3	SOV	---	---	4	1153.3	-----	16.1	15.5	0.7	12.5	11.9	0.5	62.21
(371, 372)	4	HOV	7	7	0	7.0	7.0	15.5	15.5	0.0	12.1	12.1	0.0	64.69
(372, 373)	1	SOV	---	---	5	1926.0	-----	11.4	9.7	1.7	8.8	7.5	1.3	54.91
(372, 373)	2	SOV	---	---	3	1178.7	-----	10.2	9.6	0.6	7.9	7.4	0.5	61.31
(372, 373)	3	SOV	---	---	4	900.0	-----	10.0	9.6	0.4	7.7	7.4	0.3	62.48
(372, 373)	4	HOV	7	7	0	7.0	7.0	9.7	9.7	0.0	7.5	7.5	0.0	64.66
(372, 373)	9	SOV	---	---	0	52.7	-----	14.9	11.2	3.8	11.5	8.6	2.9	42.03
(373, 374)	1	SOV	---	---	5	1883.6	-----	6.7	6.1	0.6	5.2	4.8	0.4	59.02
(373, 374)	2	SOV	---	---	5	1235.7	-----	6.3	6.1	0.2	4.9	4.7	0.2	62.44
(373, 374)	3	SOV	---	---	1	935.4	-----	6.3	6.1	0.3	4.9	4.7	0.2	62.58
(373, 374)	4	HOV	7	7	0	7.0	7.0	6.1	6.1	0.0	4.8	4.8	0.0	64.66
(374, 375)	1	SOV	---	---	7	1837.9	-----	10.6	9.9	0.7	8.2	7.6	0.5	59.08
(374, 375)	2	SOV	---	---	4	1254.3	-----	9.9	9.6	0.3	7.7	7.4	0.2	63.08
(374, 375)	3	SOV	---	---	5	959.9	-----	10.0	9.6	0.4	7.7	7.4	0.3	62.77
(374, 375)	4	HOV	7	7	0	7.0	7.0	9.7	9.7	0.0	7.5	7.5	0.0	64.66
(375, 376)	1	SOV	---	---	7	903.3	-----	16.9	16.3	0.7	13.1	12.6	0.5	61.74
(375, 376)	2	SOV	---	---	3	1253.6	-----	16.6	16.1	0.5	12.8	12.4	0.4	63.01
(375, 376)	3	SOV	---	---	8	986.6	-----	16.6	16.0	0.6	12.8	12.3	0.5	62.92
(375, 376)	4	HOV	7	7	0	7.0	7.0	16.2	16.1	0.0	12.6	12.5	0.0	64.67
(376, 377)	1	SOV	---	---	1	1103.6	-----	8.3	7.8	0.5	6.4	6.0	0.4	60.94
(376, 377)	2	SOV	---	---	0	1247.6	-----	8.0	7.8	0.3	6.2	6.0	0.2	62.74
(376, 377)	3	SOV	---	---	2	1017.9	-----	8.0	7.7	0.3	6.2	5.9	0.2	62.89
(376, 377)	4	HOV	7	7	0	7.0	7.0	7.8	7.8	0.0	6.1	6.0	0.0	64.70
(376, 377)	9	SOV	---	---	0	18.6	-----	9.9	8.7	1.2	7.7	6.7	0.9	50.86
(377, 378)	1	SOV	---	---	7	1458.5	-----	14.8	13.7	1.1	11.4	10.6	0.8	59.80
(377, 378)	2	SOV	---	---	3	1206.2	-----	14.2	13.7	0.5	10.9	10.5	0.4	62.60
(377, 378)	3	SOV	---	---	1	947.1	-----	14.1	13.5	0.5	10.9	10.4	0.4	63.06
(377, 378)	4	HOV	7	7	0	7.0	7.0	13.7	13.7	0.0	10.7	10.6	0.0	64.67
(377, 378)	9	SOV	---	---	0	12.6	-----	19.8	15.5	4.3	15.4	12.1	3.3	44.78
(7028, 368)	1	SOV	---	---	1	617.6	-----	16.0	15.4	0.6	12.4	11.9	0.5	53.00
(7028, 368)	2	SOV	---	---	5	636.0	-----	16.1	15.4	0.7	12.4	11.9	0.5	52.83
(7028, 368)	3	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(378, 384)	1	SOV	---	---	1	1489.5	-----	2.2	2.1	0.1	1.7	1.6	0.1	60.93
(378, 384)	2	SOV	---	---	0	1209.1	-----	2.2	2.1	0.1	1.7	1.6	0.1	62.80
(378, 384)	3	SOV	---	---	0	924.6	-----	2.2	2.1	0.1	1.7	1.6	0.1	63.30
(378, 384)	4	HOV	7	7	0	7.0	7.0	2.1	2.1	0.0	1.6	1.6	0.0	64.61
(384, 385)	1	SOV	---	---	7	1457.9	-----	14.7	13.9	0.8	11.3	10.8	0.6	60.35
(384, 385)	2	SOV	---	---	8	1212.6	-----	14.1	13.6	0.4	10.9	10.5	0.3	63.07

(384, 385)	3	SOV	---	---	4	955.8	-----	14.0	13.5	0.5	10.8	10.4	0.4	63.23
(384, 385)	4	HOV	7	7	0	7.0	7.0	13.7	13.7	0.0	10.6	10.6	0.0	64.70
(385, 386)	1	SOV	---	---	5	978.0	-----	28.3	27.2	1.1	21.8	21.0	0.8	61.61
(385, 386)	2	SOV	---	---	7	1182.4	-----	27.6	26.9	0.8	21.3	20.7	0.6	62.96
(385, 386)	3	SOV	---	---	9	1009.6	-----	27.6	26.4	1.1	21.3	20.4	0.9	63.13
(385, 386)	4	HOV	7	7	0	7.0	7.0	26.9	26.9	0.0	20.9	20.9	0.0	64.69
(402, 403)	1	SOV	---	---	2	295.9	-----	10.9	9.1	1.8	8.4	7.0	1.4	45.55
(402, 403)	2	SOV	---	---	3	953.4	-----	10.5	9.9	0.6	8.1	7.6	0.5	47.16
(562,7030)	1	SOV	---	---	0	522.0	-----	2.5	2.4	0.1	1.9	1.9	0.1	51.56
(562,7030)	2	SOV	---	---	0	358.0	-----	2.5	2.4	0.1	2.0	1.9	0.1	50.87
(562,7030)	3	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(400, 401)	1	SOV	---	---	2	540.0	-----	16.2	15.9	0.3	12.5	12.3	0.2	63.18
(400, 401)	2	SOV	---	---	3	341.9	-----	15.9	15.6	0.2	12.3	12.1	0.2	64.44
(400, 401)	3	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(400, 401)	9	SOV	---	---	2	1254.7	-----	18.4	17.5	1.0	14.2	13.5	0.7	55.47
(401, 382)	1	SOV	---	---	2	1256.1	-----	3.4	3.0	0.4	2.6	2.3	0.3	41.76
(399, 400)	1	SOV	---	---	1	569.0	-----	7.2	7.0	0.1	5.5	5.4	0.1	63.05
(399, 400)	2	SOV	---	---	0	322.6	-----	7.0	6.9	0.1	5.4	5.3	0.1	64.25
(399, 400)	3	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(399, 400)	9	SOV	---	---	4	1243.3	-----	7.4	7.0	0.4	5.7	5.4	0.3	60.81
(564, 399)	1	SOV	---	---	1	1964.1	-----	10.0	9.2	0.8	7.7	7.1	0.6	58.08
(564, 399)	2	SOV	---	---	2	889.9	-----	9.1	8.9	0.2	7.1	6.9	0.2	63.41
(564, 399)	3	SOV	---	---	0	541.6	-----	9.1	8.9	0.2	7.0	6.9	0.1	63.75
(564, 399)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(397, 398)	1	SOV	---	---	6	1909.4	-----	10.1	9.0	1.1	7.8	6.9	0.9	57.55
(397, 398)	2	SOV	---	---	0	829.8	-----	9.3	8.9	0.4	7.2	6.9	0.3	62.63
(397, 398)	3	SOV	---	---	1	618.5	-----	9.1	8.9	0.2	7.1	6.9	0.2	63.36
(397, 398)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(397, 398)	9	SOV	---	---	0	38.3	-----	12.9	10.0	2.8	10.0	7.8	2.2	45.04
(395, 396)	1	SOV	---	---	5	921.8	-----	20.0	19.3	0.7	15.4	14.9	0.5	62.15
(395, 396)	2	SOV	---	---	9	1108.4	-----	19.6	19.1	0.5	15.2	14.8	0.4	63.23
(395, 396)	3	SOV	---	---	6	947.4	-----	19.8	19.1	0.7	15.3	14.8	0.5	62.68
(395, 396)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(394, 395)	1	SOV	---	---	1	1527.5	-----	6.5	6.1	0.4	5.0	4.7	0.3	58.92
(394, 395)	2	SOV	---	---	1	1112.6	-----	6.1	5.9	0.2	4.7	4.5	0.1	62.95
(394, 395)	3	SOV	---	---	0	932.2	-----	6.1	5.9	0.2	4.7	4.5	0.2	62.62
(394, 395)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(393, 394)	1	SOV	---	---	6	1574.8	-----	10.5	9.9	0.6	8.1	7.7	0.5	60.90
(393, 394)	2	SOV	---	---	5	1090.3	-----	10.2	9.9	0.3	7.9	7.6	0.3	62.79

(393, 394)	3	SOV	---	---	1	906.4	-----	10.2	9.9	0.3	7.9	7.6	0.3	62.64
(393, 394)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(392, 393)	1	SOV	---	---	5	1624.6	-----	6.4	5.9	0.5	5.0	4.5	0.4	59.59
(392, 393)	2	SOV	---	---	2	1021.3	-----	6.1	5.9	0.2	4.7	4.5	0.2	62.64
(392, 393)	3	SOV	---	---	6	888.2	-----	6.1	5.9	0.2	4.7	4.6	0.2	62.59
(392, 393)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(392, 393)	9	SOV	---	---	0	44.7	-----	7.9	6.6	1.3	6.1	5.1	1.0	48.34
(391, 392)	1	SOV	---	---	4	1115.6	-----	11.9	11.3	0.6	9.2	8.7	0.5	61.81
(391, 392)	2	SOV	---	---	4	1126.5	-----	11.8	11.4	0.4	9.1	8.8	0.3	62.60
(391, 392)	3	SOV	---	---	2	1004.5	-----	11.8	11.4	0.4	9.1	8.8	0.3	62.26
(391, 392)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(391, 392)	9	SOV	---	---	0	11.7	-----	15.0	13.0	2.0	11.6	10.0	1.6	49.26
(390, 391)	1	SOV	---	---	2	810.9	-----	16.8	16.3	0.5	13.0	12.6	0.4	63.27
(390, 391)	2	SOV	---	---	3	1157.2	-----	16.9	16.4	0.5	13.1	12.7	0.4	62.80
(390, 391)	3	SOV	---	---	6	1072.9	-----	17.1	16.4	0.6	13.2	12.7	0.5	62.19
(390, 391)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(389, 390)	1	SOV	---	---	5	1330.5	-----	16.6	15.8	0.7	12.8	12.2	0.6	61.72
(389, 390)	2	SOV	---	---	4	1139.7	-----	16.3	15.8	0.5	12.6	12.2	0.4	62.76
(389, 390)	3	SOV	---	---	3	1068.0	-----	16.4	15.8	0.6	12.7	12.2	0.5	62.24
(389, 390)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(388, 389)	1	SOV	---	---	5	1341.6	-----	5.3	5.1	0.2	4.1	4.0	0.2	62.81
(388, 389)	2	SOV	---	---	2	1122.3	-----	5.3	5.2	0.1	4.1	4.0	0.1	62.74
(388, 389)	3	SOV	---	---	1	1077.6	-----	5.4	5.2	0.2	4.2	4.0	0.1	62.30
(388, 389)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(387, 388)	1	SOV	---	---	4	1073.4	-----	16.4	15.6	0.8	12.6	12.0	0.6	62.53
(387, 388)	2	SOV	---	---	5	1243.6	-----	16.4	15.9	0.5	12.6	12.3	0.4	62.50
(387, 388)	3	SOV	---	---	6	1211.6	-----	16.5	15.8	0.7	12.7	12.2	0.5	61.99
(387, 388)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(387, 388)	9	SOV	---	---	0	11.2	-----	21.1	17.0	4.1	16.3	13.1	3.1	48.54
(166, 404)	1	SOV	---	---	3	974.1	-----	8.2	8.0	0.2	6.3	6.2	0.2	62.67
(166, 404)	2	SOV	---	---	5	1314.4	-----	8.1	7.9	0.2	6.2	6.1	0.1	63.31
(166, 404)	3	SOV	---	---	2	1307.2	-----	8.1	7.9	0.2	6.3	6.1	0.2	62.98
(166, 404)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(404, 387)	1	SOV	---	---	3	757.9	-----	17.1	16.8	0.4	13.2	13.0	0.3	64.54
(404, 387)	2	SOV	---	---	6	1284.8	-----	17.6	17.1	0.5	13.6	13.2	0.4	62.83
(404, 387)	3	SOV	---	---	9	1284.1	-----	17.8	17.1	0.7	13.7	13.2	0.5	62.27
(404, 387)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(306, 405)	1	SOV	---	---	2	2084.1	-----	5.1	4.2	0.9	3.9	3.2	0.7	43.84
(558, 406)	1	SOV	---	---	3	1630.7	-----	5.0	4.6	0.4	3.8	3.6	0.3	42.47
(558, 406)	2	SOV	---	---	1	450.8	-----	4.7	4.6	0.1	3.7	3.5	0.1	44.68

(351, 408)	1	SOV	---	---	1	344.7	-----	5.3	4.5	0.8	4.1	3.5	0.6	40.64
(351, 408)	2	SOV	---	---	2	939.8	-----	5.1	4.9	0.2	4.0	3.8	0.2	42.18
(408, 409)	1	SOV	---	---	1	758.5	-----	10.6	9.5	1.1	8.2	7.3	0.8	40.20
(408, 409)	2	SOV	---	---	3	523.1	-----	10.6	9.6	1.0	8.2	7.4	0.8	40.12
(410, 405)	1	SOV	---	---	0	0.0	-----	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(413, 409)	1	SOV	---	---	1	1513.6	-----	12.7	11.6	1.1	9.8	9.0	0.8	41.11
(349, 350)	1	SOV	---	---	1	289.0	-----	15.2	15.0	0.2	11.8	11.6	0.2	52.05
(349, 350)	2	SOV	---	---	3	1001.1	-----	16.5	16.2	0.3	12.8	12.5	0.3	47.91
(350, 351)	1	SOV	---	---	2	433.6	-----	12.6	12.4	0.1	9.7	9.6	0.1	47.51
(350, 351)	2	SOV	---	---	8	852.6	-----	13.8	13.5	0.3	10.7	10.4	0.2	43.17
(406, 413)	1	SOV	---	---	5	1509.2	-----	14.4	13.7	0.7	11.1	10.6	0.5	42.76
(416,7031)	1	SOV	---	---	0	480.0	-----	2.5	2.5	0.1	2.0	1.9	0.1	50.10
(7032, 435)	1	SOV	---	---	0	552.4	-----	3.6	3.2	0.4	2.8	2.5	0.3	44.95
(435, 436)	1	SOV	---	---	0	512.0	-----	3.1	3.0	0.1	2.4	2.3	0.1	48.89
(436, 372)	1	SOV	---	---	0	512.0	-----	3.9	3.6	0.2	3.0	2.8	0.2	50.93
(395, 437)	1	SOV	---	---	0	409.6	-----	6.9	6.7	0.2	5.3	5.2	0.1	53.43
(395, 437)	2	SOV	---	---	0	195.4	-----	6.8	6.7	0.2	5.3	5.1	0.2	53.58
(437,7033)	1	SOV	---	---	0	37.0	-----	5.4	5.0	0.4	4.2	3.9	0.3	49.16
(437,7033)	2	SOV	---	---	1	568.0	-----	5.4	5.2	0.2	4.2	4.0	0.2	48.83
(7034, 440)	1	SOV	---	---	1	458.6	-----	3.2	2.9	0.3	2.5	2.2	0.3	44.78
(440, 441)	1	SOV	---	---	0	421.0	-----	4.0	3.9	0.1	3.1	3.0	0.1	48.88
(7035, 443)	1	SOV	---	---	1	259.5	-----	3.9	2.9	1.0	3.0	2.2	0.8	34.10
(443, 444)	1	SOV	---	---	1	237.6	-----	3.1	2.8	0.3	2.4	2.2	0.2	45.11
(444, 376)	1	SOV	---	---	1	238.5	-----	9.1	8.8	0.3	7.0	6.8	0.2	52.95
(375, 442)	1	SOV	---	---	1	906.0	-----	4.7	4.5	0.2	3.6	3.5	0.1	52.75
(442,7036)	1	SOV	---	---	2	905.7	-----	3.4	3.3	0.1	2.6	2.6	0.1	50.04
(7037, 454)	1	SOV	---	---	0	249.4	-----	3.5	3.1	0.3	2.7	2.4	0.3	45.41
(454, 455)	1	SOV	---	---	0	232.5	-----	3.5	3.4	0.1	2.7	2.6	0.1	49.28

(7049, 523)	1	SOV	---	---	1	195.9	-----	3.2	3.0	0.3	2.5	2.3	0.2	38.13
(523, 524)	1	SOV	---	---	1	177.7	-----	6.3	5.7	0.5	4.8	4.4	0.4	45.19
(524, 323)	1	SOV	---	---	2	178.1	-----	5.2	5.0	0.2	4.0	3.8	0.1	52.60
(298, 533)	1	SOV	---	---	4	756.8	-----	19.1	18.3	0.8	14.8	14.3	0.6	63.16
(298, 533)	2	SOV	---	---	8	1221.3	-----	19.3	18.6	0.7	15.0	14.5	0.5	62.45
(298, 533)	3	SOV	---	---	6	1217.9	-----	19.0	18.4	0.5	14.7	14.3	0.4	63.58
(298, 533)	4	SOV	---	---	4	1040.9	-----	19.4	18.8	0.6	14.9	14.4	0.5	62.14
(298, 533)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(7050, 529)	1	SOV	---	---	0	401.3	-----	4.0	2.9	1.1	3.1	2.3	0.8	30.02
(7050, 529)	2	SOV	---	---	0	1054.4	-----	3.9	2.8	1.1	3.0	2.2	0.8	30.98
(529, 530)	1	SOV	---	---	0	514.3	-----	3.6	1.9	1.7	2.8	1.5	1.3	31.16
(529, 530)	2	SOV	---	---	0	798.9	-----	3.8	2.5	1.3	2.9	1.9	1.0	29.08
(530, 533)	1	SOV	---	---	0	1319.0	-----	8.2	6.4	1.8	6.3	4.9	1.4	41.67
(7051, 525)	1	SOV	---	---	0	241.0	-----	3.3	3.0	0.3	2.5	2.3	0.2	45.72
(525, 526)	1	SOV	---	---	0	222.0	-----	5.5	5.4	0.1	4.3	4.2	0.1	49.25
(526, 324)	1	SOV	---	---	0	222.0	-----	6.7	6.5	0.2	5.2	5.0	0.2	52.89
(298, 534)	1	SOV	---	---	0	696.4	-----	5.4	5.1	0.3	4.2	3.9	0.2	61.34
(534,7052)	1	SOV	---	---	0	697.0	-----	3.2	2.8	0.3	2.4	2.2	0.3	57.51
(313, 347)	1	SOV	---	---	0	1710.3	-----	5.4	5.1	0.3	4.2	3.9	0.2	51.44
(315, 554)	1	SOV	---	---	6	2276.3	-----	7.8	5.9	2.0	6.1	4.5	1.5	48.11
(315, 554)	2	SOV	---	---	3	1380.4	-----	6.7	5.9	0.8	5.2	4.6	0.6	55.99
(315, 554)	3	SOV	---	---	3	905.5	-----	6.0	5.7	0.3	4.6	4.4	0.2	63.10
(315, 554)	4	SOV	---	---	0	554.5	-----	5.8	5.7	0.1	4.5	4.4	0.1	64.84
(315, 554)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(315, 554)	9	SOV	---	---	0	68.0	-----	7.8	6.9	0.9	6.0	5.3	0.7	48.24
(554, 555)	1	SOV	---	---	4	2176.7	-----	8.0	6.8	1.2	6.2	5.3	0.9	54.65
(554, 555)	2	SOV	---	---	3	1427.1	-----	7.3	6.9	0.5	5.7	5.3	0.4	59.45
(554, 555)	3	SOV	---	---	1	975.9	-----	6.8	6.6	0.2	5.3	5.1	0.2	63.83
(554, 555)	4	SOV	---	---	2	598.9	-----	6.7	6.6	0.2	5.2	5.0	0.1	64.84
(554, 555)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(522,7048)	1	SOV	---	---	1	643.0	-----	3.3	3.2	0.0	2.5	2.5	0.0	51.69
(522,7048)	2	SOV	---	---	1	773.3	-----	3.4	3.3	0.1	2.6	2.5	0.1	50.21
(405, 558)	1	SOV	---	---	0	0.0	-----	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(405, 558)	6	SOV	---	---	3	2082.9	-----	3.7	3.4	0.3	2.9	2.7	0.2	46.09

(409, 559)	1	SOV	---	---	4	1564.1	-----	5.3	4.9	0.4	4.1	3.8	0.3	41.98
(409, 559)	6	SOV	---	---	0	1234.4	-----	5.3	5.0	0.3	4.1	3.8	0.2	42.68
(369, 560)	1	SOV	---	---	2	1195.0	-----	5.2	4.8	0.4	4.0	3.7	0.3	60.81
(369, 560)	2	HOV	7	7	0	7.0	7.0	5.0	4.9	0.1	3.9	3.8	0.1	62.50
(369, 560)	9	SOV	---	---	1	1205.1	-----	5.6	5.0	0.6	4.3	3.8	0.5	56.20
(369, 560)	10	SOV	---	---	4	1624.1	-----	5.7	5.0	0.8	4.4	3.8	0.6	54.90
(401, 562)	1	SOV	---	---	0	520.9	-----	2.1	2.1	0.0	1.6	1.6	0.0	58.62
(401, 562)	2	SOV	---	---	0	359.1	-----	2.1	2.1	0.0	1.6	1.6	0.0	58.08
(401, 562)	3	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(97, 563)	1	SOV	---	---	1	859.9	-----	16.5	15.5	1.0	12.7	12.0	0.7	61.98
(97, 563)	2	SOV	---	---	3	1063.9	-----	16.9	16.3	0.6	13.1	12.7	0.5	60.45
(97, 563)	3	SOV	---	---	6	1083.9	-----	16.1	15.7	0.4	12.5	12.1	0.3	63.36
(97, 563)	4	SOV	---	---	4	846.3	-----	15.9	15.4	0.5	12.2	11.9	0.3	64.43
(97, 563)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(97, 563)	9	SOV	---	---	0	13.9	-----	21.9	18.8	3.1	17.0	14.6	2.4	46.64
(398, 564)	1	SOV	---	---	2	1859.7	-----	7.4	6.9	0.6	5.7	5.3	0.4	59.55
(398, 564)	2	SOV	---	---	0	892.1	-----	7.0	6.8	0.2	5.4	5.3	0.1	63.33
(398, 564)	3	SOV	---	---	0	643.8	-----	7.0	6.8	0.2	5.4	5.3	0.1	63.61
(398, 564)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(27, 28)	1	SOV	---	---	4	566.3	-----	11.7	10.9	0.7	9.0	8.4	0.6	58.42
(27, 28)	2	SOV	---	---	2	509.0	-----	10.9	10.1	0.7	8.4	7.8	0.6	62.65
(27, 28)	3	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(28, 29)	1	SOV	---	---	0	655.8	-----	8.9	8.6	0.3	6.8	6.6	0.2	61.52
(28, 29)	2	SOV	---	---	1	530.0	-----	8.2	8.1	0.1	6.3	6.2	0.1	66.55
(28, 29)	3	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(28, 29)	9	SOV	---	---	0	560.6	-----	9.4	8.6	0.8	7.2	6.6	0.6	58.31
(29, 30)	1	SOV	---	---	0	533.0	-----	5.5	5.3	0.1	4.2	4.1	0.1	62.43
(29, 30)	2	SOV	---	---	0	664.3	-----	5.5	5.4	0.1	4.2	4.1	0.1	62.42
(29, 30)	3	SOV	---	---	0	555.2	-----	5.1	5.0	0.1	4.0	3.9	0.1	66.42
(29, 30)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(30, 31)	1	SOV	---	---	3	638.3	-----	16.4	15.9	0.5	12.6	12.2	0.4	62.50
(30, 31)	2	SOV	---	---	3	662.7	-----	16.3	16.0	0.3	12.5	12.3	0.2	62.87
(30, 31)	3	SOV	---	---	1	547.2	-----	15.4	15.2	0.2	11.9	11.7	0.2	66.28
(30, 31)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(30, 31)	9	SOV	---	---	2	574.1	-----	16.8	15.9	0.9	13.0	12.3	0.7	60.74
(31, 32)	1	SOV	---	---	2	1055.6	-----	9.4	9.0	0.4	7.3	7.0	0.3	61.94
(31, 32)	2	SOV	---	---	2	842.9	-----	9.4	9.1	0.3	7.3	7.0	0.2	62.17
(31, 32)	3	SOV	---	---	1	343.8	-----	9.1	8.9	0.2	7.0	6.8	0.2	64.49
(31, 32)	4	SOV	---	---	1	182.8	-----	8.7	8.7	0.1	6.8	6.7	0.0	66.96
(31, 32)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00

(56,	57)	1	SOV	---	---	1	496.7	-----	11.0	10.9	0.1	8.5	8.4	0.1	61.85
(56,	57)	2	SOV	---	---	2	417.7	-----	10.5	10.4	0.1	8.1	8.0	0.1	65.21
(56,	57)	3	SOV	---	---	0	251.2	-----	10.1	10.1	0.1	7.8	7.8	0.0	67.33
(56,	57)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(56,	57)	9	SOV	---	---	0	513.4	-----	10.8	10.4	0.5	8.4	8.0	0.4	62.85
(56,	57)	10	SOV	---	---	0	11.8	-----	13.0	11.9	1.1	10.1	9.3	0.8	52.35
(57,	58)	1	SOV	---	---	1	505.7	-----	5.5	5.4	0.1	4.2	4.2	0.0	62.20
(57,	58)	2	SOV	---	---	2	420.0	-----	5.2	5.2	0.0	4.0	4.0	0.0	65.08
(57,	58)	3	SOV	---	---	0	256.1	-----	5.1	5.0	0.0	3.9	3.9	0.0	67.35
(57,	58)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(57,	58)	9	SOV	---	---	1	506.1	-----	5.3	5.2	0.1	4.1	4.0	0.1	64.47
(58,	59)	1	SOV	---	---	1	493.6	-----	6.3	6.3	0.0	4.9	4.8	0.0	62.48
(58,	59)	2	SOV	---	---	0	414.7	-----	6.1	6.0	0.0	4.7	4.7	0.0	65.03
(58,	59)	3	SOV	---	---	1	258.8	-----	5.9	5.8	0.0	4.5	4.5	0.0	67.31
(58,	59)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(58,	59)	9	SOV	---	---	1	519.1	-----	6.1	6.0	0.1	4.7	4.7	0.1	64.46
(59,	60)	1	SOV	---	---	2	445.8	-----	9.2	9.1	0.1	7.1	7.0	0.1	62.74
(59,	60)	2	SOV	---	---	5	573.3	-----	8.8	8.7	0.1	6.8	6.7	0.1	65.45
(59,	60)	3	SOV	---	---	0	19.6	-----	8.6	8.3	0.3	6.7	6.4	0.2	67.02
(59,	60)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(59,	60)	9	SOV	---	---	4	641.1	-----	9.0	8.8	0.2	6.9	6.8	0.1	63.96
(60,	61)	1	SOV	---	---	6	920.0	-----	16.4	15.9	0.5	12.6	12.3	0.4	62.41
(60,	61)	2	SOV	---	---	3	381.4	-----	16.1	16.0	0.2	12.4	12.3	0.1	63.42
(60,	61)	3	SOV	---	---	2	370.9	-----	15.5	15.4	0.1	12.0	11.9	0.1	65.80
(60,	61)	4	HOV	2	2	0	2.0	2.0	15.8	15.3	0.5	12.6	12.3	0.4	64.54
(61,	62)	1	SOV	---	---	3	700.7	-----	11.2	10.9	0.4	8.7	8.4	0.3	60.67
(61,	62)	2	SOV	---	---	3	410.7	-----	10.7	10.6	0.1	8.2	8.2	0.1	63.86
(61,	62)	3	SOV	---	---	1	362.1	-----	10.4	10.3	0.1	8.0	7.9	0.1	65.77
(61,	62)	4	HOV	2	2	0	2.0	2.0	29.3	10.3	19.1	24.1	8.4	15.6	23.24
(62,	63)	1	SOV	---	---	2	281.9	-----	12.0	11.8	0.2	9.2	9.1	0.1	63.22
(62,	63)	2	SOV	---	---	0	423.1	-----	11.8	11.7	0.1	9.1	9.0	0.0	64.17
(62,	63)	3	SOV	---	---	2	362.7	-----	11.5	11.4	0.1	8.9	8.8	0.1	65.78
(62,	63)	4	HOV	2	2	0	2.0	2.0	16.2	11.4	4.8	13.1	9.2	3.9	46.71
(63,	64)	1	SOV	---	---	2	276.3	-----	12.4	12.2	0.1	9.5	9.4	0.1	63.34
(63,	64)	2	SOV	---	---	1	412.9	-----	12.2	12.2	0.1	9.4	9.4	0.1	64.07
(63,	64)	3	SOV	---	---	1	374.3	-----	11.9	11.8	0.1	9.2	9.1	0.1	65.77
(63,	64)	4	HOV	2	2	0	2.0	2.0	13.2	11.8	1.5	10.6	9.4	1.2	59.27
(64,	65)	1	SOV	---	---	1	489.8	-----	11.0	10.6	0.4	8.5	8.2	0.3	61.71
(64,	65)	2	SOV	---	---	2	431.2	-----	10.7	10.6	0.1	8.2	8.1	0.1	63.91
(64,	65)	3	SOV	---	---	0	385.2	-----	10.4	10.3	0.1	8.0	7.9	0.1	65.80
(64,	65)	4	HOV	2	2	0	2.0	2.0	10.8	10.3	0.5	8.7	8.2	0.4	62.96

(64,	65)	9	SOV	---	---	0	11.4	-----	12.8	12.3	0.5	9.9	9.5	0.4	53.17
(65,	66)	1	SOV	---	---	0	479.5	-----	5.4	5.3	0.1	4.2	4.1	0.1	62.96
(65,	66)	2	SOV	---	---	0	453.7	-----	5.3	5.3	0.0	4.1	4.1	0.0	64.18
(65,	66)	3	SOV	---	---	1	386.1	-----	5.2	5.1	0.1	4.0	4.0	0.0	65.67
(65,	66)	4	HOV	2	2	0	2.0	2.0	5.3	5.1	0.2	4.2	4.1	0.2	64.32
(66,	67)	1	SOV	---	---	1	528.1	-----	10.2	10.0	0.2	7.8	7.7	0.1	63.00
(66,	67)	2	SOV	---	---	1	447.2	-----	9.9	9.8	0.1	7.6	7.6	0.1	64.49
(66,	67)	3	SOV	---	---	3	345.3	-----	9.7	9.6	0.1	7.5	7.4	0.1	65.65
(66,	67)	4	HOV	2	2	0	2.0	2.0	9.8	9.6	0.2	7.8	7.7	0.1	65.30
(67,	68)	1	SOV	---	---	4	979.5	-----	14.2	13.7	0.5	11.0	10.6	0.4	62.37
(67,	68)	2	SOV	---	---	0	217.6	-----	13.6	13.5	0.2	10.5	10.4	0.1	64.97
(67,	68)	3	SOV	---	---	1	123.0	-----	13.3	13.3	0.1	10.3	10.2	0.1	66.50
(67,	68)	4	HOV	2	2	0	2.0	2.0	13.4	13.4	0.1	10.7	10.6	0.0	66.09
(68,	69)	1	SOV	---	---	3	709.5	-----	16.8	16.5	0.3	12.9	12.7	0.2	60.99
(68,	69)	2	SOV	---	---	1	237.6	-----	15.6	15.5	0.1	12.0	12.0	0.1	65.53
(68,	69)	3	SOV	---	---	0	131.6	-----	15.3	15.3	0.0	11.8	11.8	0.0	66.73
(68,	69)	4	HOV	2	2	0	2.0	2.0	26.2	15.1	11.1	21.3	12.2	9.0	38.99
(68,	69)	9	SOV	---	---	1	239.4	-----	16.5	16.2	0.3	12.8	12.5	0.2	61.84
(69,	70)	1	SOV	---	---	1	198.9	-----	18.7	18.5	0.2	14.4	14.3	0.2	61.79
(69,	70)	2	SOV	---	---	2	245.9	-----	17.6	17.5	0.1	13.6	13.5	0.1	65.53
(69,	70)	3	SOV	---	---	0	137.4	-----	17.3	17.2	0.1	13.3	13.3	0.0	66.80
(69,	70)	4	HOV	2	2	0	2.0	2.0	23.0	17.6	5.4	18.5	14.2	4.3	50.24
(70,	71)	1	SOV	---	---	1	195.1	-----	8.6	8.5	0.1	6.6	6.5	0.1	61.90
(70,	71)	2	SOV	---	---	0	241.8	-----	8.1	8.1	0.0	6.2	6.2	0.0	65.48
(70,	71)	3	SOV	---	---	0	143.8	-----	7.9	7.9	0.0	6.1	6.1	0.0	66.85
(70,	71)	4	HOV	2	2	0	2.0	2.0	8.7	8.1	0.6	6.9	6.4	0.5	61.10
(71,	72)	1	SOV	---	---	1	292.5	-----	16.6	16.2	0.4	12.8	12.5	0.3	61.46
(71,	72)	2	SOV	---	---	0	260.5	-----	15.6	15.5	0.2	12.1	11.9	0.1	65.37
(71,	72)	3	SOV	---	---	0	148.7	-----	15.3	15.2	0.1	11.8	11.7	0.0	66.93
(71,	72)	4	HOV	2	2	0	2.0	2.0	16.0	15.4	0.6	12.8	12.3	0.5	63.85
(71,	72)	9	SOV	---	---	0	3.8	-----	19.1	18.6	0.5	14.7	14.3	0.4	53.69
(72,	73)	1	SOV	---	---	2	228.9	-----	24.2	24.0	0.2	18.7	18.5	0.2	62.28
(72,	73)	2	SOV	---	---	4	320.7	-----	23.2	23.1	0.1	17.9	17.8	0.1	65.09
(72,	73)	3	SOV	---	---	1	154.7	-----	22.5	22.5	0.1	17.4	17.3	0.1	67.01
(72,	73)	4	HOV	2	2	0	2.0	2.0	22.9	22.7	0.2	18.3	18.1	0.1	65.92
(73,	74)	1	SOV	---	---	0	187.3	-----	16.1	15.9	0.2	12.4	12.3	0.1	63.42
(73,	74)	2	SOV	---	---	0	402.0	-----	16.0	15.8	0.2	12.3	12.2	0.1	64.02
(73,	74)	3	SOV	---	---	1	113.7	-----	15.4	15.2	0.2	11.9	11.7	0.1	66.51
(73,	74)	4	HOV	2	0	0	1.2	1.2	15.4	15.4	0.0	12.3	12.3	0.0	66.40
(74,	75)	1	SOV	---	---	1	465.9	-----	22.7	22.5	0.2	17.5	17.3	0.2	63.01

(74, 75)	2	SOV	---	---	1	234.7	-----	21.4	21.1	0.2	16.5	16.3	0.2	67.02
(74, 75)	3	HOV	3	3	0	3.0	3.0	23.3	23.3	0.0	17.9	17.9	0.0	61.43
(75, 76)	1	SOV	---	---	0	441.2	-----	5.7	5.7	0.0	4.4	4.4	0.0	62.91
(75, 76)	2	SOV	---	---	0	258.8	-----	5.3	5.3	0.1	4.1	4.1	0.0	67.12
(75, 76)	3	HOV	3	3	0	3.0	3.0	5.8	5.8	0.0	4.5	4.5	0.0	61.58
(76, 77)	1	SOV	---	---	0	432.8	-----	3.5	3.5	0.0	2.7	2.7	0.0	62.93
(76, 77)	2	SOV	---	---	0	267.9	-----	3.3	3.2	0.0	2.5	2.5	0.0	67.08
(76, 77)	3	HOV	3	3	0	3.0	3.0	3.6	3.6	0.0	2.8	2.8	0.0	61.18
(568, 569)	1	SOV	---	---	0	436.6	-----	2.3	2.1	0.2	1.8	1.6	0.2	58.58
(568, 569)	2	SOV	---	---	0	363.4	-----	2.4	2.1	0.2	1.8	1.7	0.2	57.70
(568, 569)	3	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(569, 570)	1	SOV	---	---	0	435.9	-----	13.4	12.9	0.5	10.3	10.0	0.4	63.12
(569, 570)	2	SOV	---	---	1	363.7	-----	13.6	13.0	0.5	10.5	10.1	0.4	62.18
(569, 570)	3	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(570, 571)	1	SOV	---	---	2	435.6	-----	8.8	8.6	0.2	6.8	6.6	0.2	63.75
(570, 571)	2	SOV	---	---	2	364.8	-----	8.9	8.6	0.3	6.9	6.7	0.2	63.10
(570, 571)	3	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(571, 572)	1	SOV	---	---	2	157.5	-----	16.0	15.5	0.5	12.3	12.0	0.4	64.00
(571, 572)	2	SOV	---	---	4	387.7	-----	16.0	15.7	0.3	12.4	12.1	0.2	63.86
(571, 572)	3	HOV	0	363	1	252.5	252.5	16.2	15.7	0.4	12.5	12.2	0.3	63.27
(572, 573)	1	SOV	---	---	0	103.1	-----	22.1	21.9	0.2	17.1	16.9	0.2	67.67
(572, 573)	2	SOV	---	---	1	360.3	-----	23.3	23.1	0.2	18.0	17.8	0.2	64.19
(572, 573)	3	SOV	---	---	3	331.8	-----	23.6	23.1	0.6	18.3	17.8	0.4	63.31
(572, 573)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(573, 574)	1	SOV	---	---	0	153.5	-----	15.5	15.4	0.1	11.9	11.9	0.1	66.18
(573, 574)	2	SOV	---	---	0	342.3	-----	15.9	15.8	0.1	12.3	12.2	0.1	64.23
(573, 574)	3	SOV	---	---	2	298.5	-----	16.1	15.8	0.3	12.5	12.2	0.3	63.44
(573, 574)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(574, 575)	1	SOV	---	---	0	111.3	-----	12.6	12.6	0.1	9.7	9.7	0.1	68.37
(574, 575)	2	SOV	---	---	6	331.8	-----	13.5	13.4	0.1	10.4	10.3	0.1	64.06
(574, 575)	3	SOV	---	---	1	290.4	-----	13.6	13.3	0.3	10.5	10.3	0.2	63.53
(574, 575)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(575, 576)	1	SOV	---	---	1	119.5	-----	17.4	17.3	0.2	13.4	13.3	0.1	68.07
(575, 576)	2	SOV	---	---	1	323.3	-----	18.5	18.4	0.1	14.3	14.2	0.1	64.10
(575, 576)	3	SOV	---	---	0	288.8	-----	18.7	18.3	0.4	14.4	14.2	0.3	63.50
(575, 576)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(576, 577)	1	SOV	---	---	11	1196.4	-----	17.1	15.8	1.4	13.2	12.1	1.1	59.68
(576, 577)	2	SOV	---	---	5	576.1	-----	16.1	15.5	0.6	12.4	12.0	0.4	63.55
(576, 577)	3	SOV	---	---	2	318.5	-----	16.1	15.7	0.3	12.4	12.2	0.3	63.59

(576, 577)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(576, 577)	9	SOV	---	---	1	38.6	-----	21.3	19.9	1.4	16.4	15.3	1.1	48.04
(577, 578)	1	SOV	---	---	7	1057.6	-----	13.9	13.5	0.4	10.7	10.4	0.3	62.68
(577, 578)	2	SOV	---	---	4	710.0	-----	13.3	13.2	0.1	10.3	10.2	0.1	65.41
(577, 578)	3	SOV	---	---	0	360.3	-----	13.5	13.3	0.2	10.4	10.3	0.2	64.41
(577, 578)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(578, 579)	1	SOV	---	---	4	1252.9	-----	11.7	11.3	0.5	9.0	8.7	0.4	61.83
(578, 579)	2	SOV	---	---	1	634.4	-----	11.1	10.9	0.2	8.5	8.4	0.1	65.49
(578, 579)	3	SOV	---	---	0	244.8	-----	11.0	10.9	0.1	8.5	8.4	0.1	65.63
(578, 579)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(579, 580)	1	SOV	---	---	2	1240.2	-----	5.5	5.3	0.2	4.2	4.1	0.2	61.88
(579, 580)	2	SOV	---	---	1	644.4	-----	5.2	5.1	0.1	4.0	4.0	0.0	65.64
(579, 580)	3	SOV	---	---	0	253.8	-----	5.2	5.1	0.1	4.0	3.9	0.0	66.17
(579, 580)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(580, 581)	1	SOV	---	---	1	1199.9	-----	11.3	10.8	0.5	8.7	8.4	0.3	60.42
(580, 581)	2	SOV	---	---	1	663.3	-----	10.4	10.3	0.1	8.0	7.9	0.1	65.62
(580, 581)	3	SOV	---	---	0	279.8	-----	10.3	10.2	0.1	7.9	7.9	0.1	66.45
(580, 581)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(581, 582)	1	SOV	---	---	3	691.8	-----	11.6	11.3	0.3	8.9	8.7	0.2	61.59
(581, 582)	2	SOV	---	---	0	689.9	-----	10.9	10.8	0.1	8.4	8.3	0.1	65.36
(581, 582)	3	SOV	---	---	0	298.4	-----	10.7	10.6	0.1	8.3	8.2	0.1	66.72
(581, 582)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(582, 583)	1	SOV	---	---	2	643.4	-----	13.7	13.4	0.3	10.6	10.4	0.2	61.68
(582, 583)	2	SOV	---	---	0	697.1	-----	13.0	12.9	0.2	10.0	9.9	0.1	65.09
(582, 583)	3	SOV	---	---	0	340.9	-----	12.7	12.5	0.1	9.8	9.7	0.1	66.79
(582, 583)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(583, 584)	1	SOV	---	---	2	935.4	-----	11.5	10.7	0.8	8.9	8.3	0.6	59.26
(583, 584)	2	SOV	---	---	2	752.2	-----	10.6	10.4	0.2	8.2	8.0	0.2	64.44
(583, 584)	3	SOV	---	---	1	386.9	-----	10.2	10.1	0.1	7.9	7.8	0.1	66.87
(583, 584)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(583, 584)	9	SOV	---	---	0	23.2	-----	14.2	11.9	2.3	11.0	9.2	1.8	48.04
(584, 585)	1	SOV	---	---	10	1886.7	-----	17.6	16.0	1.6	13.6	12.3	1.2	58.15
(584, 585)	2	SOV	---	---	4	848.6	-----	16.0	15.5	0.6	12.4	11.9	0.4	63.75
(584, 585)	3	SOV	---	---	2	352.4	-----	15.4	15.1	0.3	11.9	11.7	0.2	66.47
(584, 585)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(584, 585)	9	SOV	---	---	0	55.0	-----	18.9	17.8	1.1	14.6	13.8	0.8	54.08
(585, 586)	1	SOV	---	---	5	2139.6	-----	8.5	7.6	0.8	6.5	5.9	0.6	57.88
(585, 586)	2	SOV	---	---	2	744.1	-----	7.7	7.4	0.3	5.9	5.7	0.2	63.68
(585, 586)	3	SOV	---	---	0	251.2	-----	7.4	7.2	0.2	5.7	5.5	0.1	66.36
(585, 586)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00

(586, 587)	1	SOV	---	---	7	2048.6	-----	7.5	7.0	0.5	5.7	5.4	0.4	59.91
(586, 587)	2	SOV	---	---	2	800.2	-----	6.9	6.8	0.1	5.3	5.2	0.1	65.12
(586, 587)	3	SOV	---	---	1	287.8	-----	6.7	6.6	0.1	5.1	5.1	0.1	67.12
(586, 587)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(587, 588)	1	SOV	---	---	7	2006.5	-----	5.7	5.3	0.3	4.4	4.1	0.3	60.14
(587, 588)	2	SOV	---	---	1	819.5	-----	5.2	5.2	0.1	4.0	4.0	0.0	65.34
(587, 588)	3	SOV	---	---	1	310.3	-----	5.1	5.0	0.0	3.9	3.9	0.0	67.49
(587, 588)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(588, 589)	1	SOV	---	---	4	1945.8	-----	11.7	10.9	0.9	9.1	8.4	0.7	58.03
(588, 589)	2	SOV	---	---	2	857.5	-----	10.5	10.3	0.1	8.1	8.0	0.1	65.09
(588, 589)	3	SOV	---	---	2	337.5	-----	10.1	10.0	0.1	7.8	7.7	0.1	67.66
(588, 589)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(589, 590)	1	SOV	---	---	4	657.0	-----	9.3	9.0	0.3	7.1	6.9	0.2	59.98
(589, 590)	2	SOV	---	---	5	855.0	-----	8.5	8.4	0.1	6.6	6.5	0.1	65.00
(589, 590)	3	SOV	---	---	2	382.7	-----	8.2	8.1	0.1	6.3	6.3	0.1	67.66
(589, 590)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(590, 591)	1	SOV	---	---	1	653.7	-----	6.9	6.8	0.1	5.3	5.2	0.1	60.74
(590, 591)	2	SOV	---	---	0	831.8	-----	6.4	6.4	0.1	5.0	4.9	0.1	64.92
(590, 591)	3	SOV	---	---	0	407.8	-----	6.2	6.1	0.1	4.8	4.7	0.0	67.60
(590, 591)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(591, 592)	1	SOV	---	---	1	639.5	-----	7.7	7.5	0.1	5.9	5.8	0.1	60.64
(591, 592)	2	SOV	---	---	1	820.4	-----	7.2	7.1	0.1	5.5	5.5	0.1	64.80
(591, 592)	3	SOV	---	---	0	435.1	-----	6.9	6.8	0.1	5.3	5.3	0.1	67.59
(591, 592)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(592, 593)	1	SOV	---	---	3	633.7	-----	11.3	11.0	0.2	8.7	8.5	0.2	60.58
(592, 593)	2	SOV	---	---	3	813.5	-----	10.6	10.4	0.1	8.1	8.0	0.1	64.53
(592, 593)	3	SOV	---	---	1	465.5	-----	10.1	10.0	0.1	7.8	7.7	0.1	67.65
(592, 593)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(592, 593)	9	SOV	---	---	1	273.4	-----	11.2	10.6	0.6	8.6	8.2	0.5	60.86
(593, 594)	1	SOV	---	---	2	613.8	-----	5.6	5.5	0.1	4.3	4.2	0.1	60.91
(593, 594)	2	SOV	---	---	2	817.4	-----	5.3	5.2	0.1	4.1	4.0	0.1	64.37
(593, 594)	3	SOV	---	---	3	494.3	-----	5.0	5.0	0.1	3.9	3.8	0.0	67.61
(593, 594)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(593, 594)	9	SOV	---	---	1	570.8	-----	5.6	5.3	0.4	4.3	4.1	0.3	60.71
(593, 594)	10	SOV	---	---	0	27.8	-----	6.5	6.2	0.3	5.0	4.8	0.2	52.67
(594, 595)	1	SOV	---	---	2	632.4	-----	11.1	11.0	0.2	8.6	8.5	0.1	61.28
(594, 595)	2	SOV	---	---	3	795.2	-----	10.6	10.5	0.1	8.2	8.1	0.1	64.27
(594, 595)	3	SOV	---	---	1	516.3	-----	10.1	10.0	0.1	7.8	7.7	0.1	67.53
(594, 595)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(594, 595)	9	SOV	---	---	0	580.1	-----	10.8	10.6	0.2	8.3	8.2	0.2	63.20
(595, 596)	1	SOV	---	---	1	637.4	-----	5.0	5.0	0.1	3.9	3.8	0.0	61.63

(595, 596)	2	SOV	---	---	1	770.8	-----	4.8	4.8	0.1	3.7	3.7	0.0	64.23
(595, 596)	3	SOV	---	---	0	535.4	-----	4.6	4.5	0.1	3.5	3.5	0.0	67.45
(595, 596)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(595, 596)	9	SOV	---	---	0	582.9	-----	4.9	4.8	0.1	3.8	3.7	0.1	63.38
(596, 597)	1	SOV	---	---	0	744.7	-----	8.2	8.1	0.1	6.3	6.2	0.1	62.12
(596, 597)	2	SOV	---	---	4	849.2	-----	8.0	7.9	0.1	6.2	6.1	0.1	63.81
(596, 597)	3	SOV	---	---	1	477.6	-----	7.6	7.5	0.1	5.9	5.8	0.1	67.37
(596, 597)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(596, 597)	9	SOV	---	---	1	454.1	-----	8.1	7.9	0.2	6.2	6.1	0.1	63.26
(597, 598)	1	SOV	---	---	1	916.8	-----	8.1	7.9	0.2	6.2	6.1	0.1	63.09
(597, 598)	2	SOV	---	---	2	1127.5	-----	8.2	8.0	0.2	6.3	6.2	0.2	62.15
(597, 598)	3	SOV	---	---	2	348.7	-----	7.7	7.5	0.2	6.0	5.8	0.2	66.10
(597, 598)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(597, 598)	9	SOV	---	---	0	129.0	-----	8.1	7.7	0.4	6.3	5.9	0.3	63.18
(598, 599)	1	SOV	---	---	4	996.6	-----	16.4	16.1	0.3	12.6	12.4	0.2	62.31
(598, 599)	2	SOV	---	---	2	476.7	-----	15.3	15.0	0.3	11.8	11.6	0.2	66.83
(598, 599)	3	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(598, 599)	9	SOV	---	---	2	831.3	-----	16.9	16.5	0.4	13.0	12.7	0.3	60.41
(598, 599)	10	SOV	---	---	0	217.4	-----	16.3	16.0	0.3	12.6	12.4	0.2	62.87
(600, 601)	1	SOV	---	---	1	824.5	-----	10.1	9.9	0.2	7.8	7.6	0.2	61.66
(600, 601)	2	SOV	---	---	2	647.7	-----	9.3	9.2	0.1	7.2	7.1	0.1	66.60
(600, 601)	3	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(601, 602)	1	SOV	---	---	2	800.4	-----	5.5	5.4	0.1	4.3	4.2	0.1	61.58
(601, 602)	2	SOV	---	---	3	673.4	-----	5.1	5.1	0.1	4.0	3.9	0.1	66.48
(601, 602)	3	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(602, 603)	1	SOV	---	---	3	776.3	-----	11.1	10.9	0.2	8.5	8.4	0.2	61.50
(602, 603)	2	SOV	---	---	3	694.1	-----	10.3	10.1	0.2	7.9	7.8	0.1	66.32
(602, 603)	3	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(599, 600)	1	SOV	---	---	3	891.7	-----	15.2	14.9	0.3	11.7	11.4	0.2	61.86
(599, 600)	2	SOV	---	---	3	581.2	-----	14.0	13.9	0.2	10.8	10.7	0.1	66.83
(599, 600)	3	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(77,7053)	1	SOV	---	---	1	428.4	-----	2.0	2.0	0.0	1.6	1.5	0.0	62.83
(77,7053)	2	SOV	---	---	1	271.2	-----	1.9	1.9	0.0	1.5	1.4	0.0	67.06
(77,7053)	3	HOV	3	3	0	3.0	3.0	2.1	2.1	0.0	1.6	1.6	0.0	61.44
(7054, 568)	1	SOV	---	---	0	475.4	-----	3.0	2.3	0.6	2.3	1.8	0.5	53.23
(7054, 568)	2	SOV	---	---	0	391.2	-----	3.0	2.4	0.7	2.4	1.8	0.5	51.78
(7054, 568)	3	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(441, 397)	1	SOV	---	---	0	421.0	-----	4.0	3.8	0.2	3.1	2.9	0.2	51.13
(626, 627)	1	SOV	---	---	0	592.0	-----	5.5	5.4	0.1	4.2	4.2	0.1	52.03

(626, 627)	2	SOV	---	---	0	485.0	-----	5.0	4.9	0.0	3.8	3.8	0.0	57.51
(626, 627)	3	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(627, 27)	1	SOV	---	---	0	582.6	-----	4.2	4.1	0.2	3.3	3.1	0.1	51.47
(627, 27)	2	SOV	---	---	0	495.2	-----	3.8	3.7	0.1	2.9	2.9	0.1	57.23
(627, 27)	3	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(629, 28)	1	SOV	---	---	0	673.0	-----	4.9	4.3	0.6	3.8	3.3	0.5	47.21
(628, 629)	1	SOV	---	---	0	673.0	-----	5.9	5.3	0.7	4.6	4.1	0.5	39.81
(631, 30)	1	SOV	---	---	1	668.4	-----	6.6	6.2	0.4	5.1	4.8	0.3	51.29
(630, 631)	1	SOV	---	---	0	666.9	-----	6.0	5.8	0.2	4.6	4.5	0.2	48.46
(34, 632)	1	SOV	---	---	2	860.0	-----	3.1	3.0	0.1	2.4	2.3	0.0	52.86
(34, 632)	2	SOV	---	---	0	273.0	-----	2.8	2.8	0.0	2.2	2.2	0.0	57.14
(632, 633)	1	SOV	---	---	1	831.5	-----	3.7	3.6	0.1	2.8	2.8	0.0	52.88
(632, 633)	2	SOV	---	---	0	302.7	-----	3.4	3.4	0.0	2.6	2.6	0.0	57.14
(635, 54)	1	SOV	---	---	1	178.2	-----	8.4	7.9	0.5	6.5	6.1	0.4	51.07
(634, 635)	1	SOV	---	---	1	179.0	-----	7.7	7.1	0.6	5.9	5.5	0.4	41.66
(637, 56)	1	SOV	---	---	0	226.5	-----	8.1	8.0	0.1	6.3	6.2	0.1	54.31
(636, 637)	1	SOV	---	---	0	226.0	-----	5.6	5.6	0.1	4.3	4.3	0.1	54.33
(61, 638)	1	SOV	---	---	0	197.0	-----	5.6	5.5	0.1	4.3	4.3	0.1	54.33
(638, 639)	1	SOV	---	---	0	38.3	-----	4.3	4.2	0.1	3.3	3.3	0.1	53.21
(638, 639)	2	SOV	---	---	1	158.3	-----	4.3	4.1	0.2	3.3	3.2	0.1	53.14
(62, 640)	1	SOV	---	---	0	409.1	-----	5.1	5.0	0.1	4.0	3.9	0.1	53.72
(640, 641)	1	SOV	---	---	0	114.0	-----	2.8	2.8	0.0	2.2	2.2	0.0	53.30
(640, 641)	2	SOV	---	---	0	296.0	-----	2.9	2.9	0.0	2.3	2.2	0.0	51.40
(643, 64)	1	SOV	---	---	0	256.0	-----	7.5	7.3	0.2	5.8	5.6	0.1	53.21
(642, 643)	1	SOV	---	---	1	173.2	-----	6.4	5.9	0.5	4.9	4.6	0.4	50.75
(642, 643)	2	SOV	---	---	0	82.7	-----	6.6	6.0	0.5	5.1	4.7	0.4	49.60
(69, 644)	1	SOV	---	---	0	271.8	-----	4.3	4.3	0.0	3.3	3.3	0.0	56.06
(69, 644)	2	SOV	---	---	3	461.5	-----	4.5	4.4	0.1	3.5	3.4	0.1	53.33
(644, 645)	1	SOV	---	---	0	68.1	-----	3.0	3.0	0.0	2.3	2.3	0.0	55.53
(644, 645)	2	SOV	---	---	2	327.2	-----	3.2	3.2	0.0	2.5	2.5	0.0	52.83
(644, 645)	3	SOV	---	---	0	334.6	-----	3.4	3.3	0.1	2.6	2.6	0.1	49.94

(647, 71)	1	SOV	---	---	1	122.8	-----	9.5	8.8	0.7	7.3	6.8	0.5	50.52
(646, 647)	1	SOV	---	---	0	123.0	-----	8.3	7.6	0.7	6.4	5.8	0.5	41.24
(574, 660)	1	SOV	---	---	0	57.0	-----	2.8	2.7	0.0	2.1	2.1	0.0	55.08
(660, 661)	1	SOV	---	---	0	57.0	-----	2.8	2.7	0.1	2.1	2.1	0.1	52.27
(663, 576)	1	SOV	---	---	6	1206.3	-----	7.7	6.2	1.5	5.9	4.8	1.2	44.10
(663, 576)	2	SOV	---	---	2	190.7	-----	9.4	7.1	2.3	7.3	5.5	1.8	36.18
(662, 663)	1	SOV	---	---	0	131.2	-----	6.8	4.5	2.3	5.2	3.5	1.8	33.68
(662, 663)	2	SOV	---	---	3	1273.9	-----	5.7	4.5	1.2	4.4	3.4	1.0	40.07
(581, 664)	1	SOV	---	---	1	461.8	-----	7.3	7.1	0.1	5.6	5.5	0.1	54.23
(664, 665)	1	SOV	---	---	1	460.5	-----	2.9	2.8	0.1	2.2	2.1	0.1	53.82
(667, 583)	1	SOV	---	---	0	418.0	-----	12.5	10.9	1.6	9.7	8.4	1.3	46.94
(666, 667)	1	SOV	---	---	0	418.0	-----	4.2	4.0	0.2	3.3	3.1	0.2	34.36
(669, 584)	1	SOV	---	---	0	936.5	-----	7.9	7.3	0.6	6.1	5.6	0.5	50.21
(669, 584)	2	SOV	---	---	0	109.2	-----	8.5	7.7	0.8	6.6	5.9	0.6	46.86
(668, 669)	1	SOV	---	---	1	58.2	-----	6.8	4.0	2.8	5.3	3.1	2.2	31.66
(668, 669)	2	SOV	---	---	2	988.5	-----	4.3	3.9	0.3	3.3	3.0	0.3	50.63
(589, 670)	1	SOV	---	---	2	1246.7	-----	3.0	2.8	0.2	2.3	2.2	0.2	51.54
(670, 671)	1	SOV	---	---	2	1246.1	-----	2.9	2.7	0.2	2.2	2.1	0.1	51.63
(673, 592)	1	SOV	---	---	0	288.8	-----	4.4	4.0	0.4	3.4	3.1	0.3	48.70
(672, 673)	1	SOV	---	---	0	288.0	-----	5.0	4.4	0.5	3.8	3.4	0.4	40.31
(675, 593)	1	SOV	---	---	0	341.0	-----	4.2	4.2	0.1	3.2	3.2	0.0	53.76
(674, 675)	1	SOV	---	---	0	341.0	-----	4.0	3.9	0.1	3.1	3.0	0.1	53.71
(678, 679)	1	SOV	---	---	1	307.0	-----	5.3	5.2	0.1	4.1	4.1	0.0	52.78
(678, 679)	2	SOV	---	---	2	740.0	-----	5.7	5.6	0.1	4.4	4.3	0.1	49.34
(684, 685)	1	SOV	---	---	0	0.0	-----	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(688,7008)	1	SOV	---	---	0	734.2	-----	6.2	6.1	0.1	4.8	4.7	0.1	36.03
(688,7008)	2	SOV	---	---	2	735.4	-----	5.7	5.6	0.1	4.4	4.3	0.1	39.77
(688,7008)	3	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00

(7056, 626)	1	SOV	---	---	1	622.6	-----	5.6	5.4	0.2	4.3	4.2	0.1	51.49
(7056, 626)	2	SOV	---	---	1	499.6	-----	5.0	4.9	0.1	3.9	3.8	0.1	57.58
(7056, 626)	3	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(679,7058)	1	SOV	---	---	0	327.2	-----	3.0	3.0	0.0	2.3	2.3	0.0	51.06
(679,7058)	2	SOV	---	---	0	721.7	-----	3.3	3.2	0.1	2.5	2.4	0.1	47.30
(7059, 684)	1	SOV	---	---	0	0.0	-----	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(7060, 628)	1	SOV	---	---	0	732.0	-----	4.3	4.0	0.2	3.3	3.1	0.2	34.07
(7061, 630)	1	SOV	---	---	2	704.1	-----	4.8	4.5	0.4	3.7	3.4	0.3	46.58
(7062, 674)	1	SOV	---	---	0	361.5	-----	4.1	3.8	0.3	3.1	2.9	0.2	50.92
(7063, 672)	1	SOV	---	---	0	313.3	-----	4.1	4.0	0.2	3.2	3.1	0.1	35.00
(671,7064)	1	SOV	---	---	0	1246.3	-----	2.4	2.3	0.1	1.9	1.8	0.1	51.63
(633,7065)	1	SOV	---	---	0	820.0	-----	4.3	4.2	0.1	3.3	3.3	0.1	52.78
(633,7065)	2	SOV	---	---	0	315.5	-----	3.9	3.9	0.0	3.0	3.0	0.0	57.41
(7066, 634)	1	SOV	---	---	0	195.3	-----	4.1	3.9	0.2	3.1	3.0	0.1	34.79
(7067, 636)	1	SOV	---	---	0	237.1	-----	5.1	4.7	0.4	3.9	3.6	0.3	51.19
(665,7068)	1	SOV	---	---	0	460.0	-----	2.6	2.5	0.1	2.0	2.0	0.1	52.75
(7069, 666)	1	SOV	---	---	0	462.8	-----	3.3	3.3	0.1	2.6	2.5	0.0	35.88
(7070, 668)	1	SOV	---	---	0	257.6	-----	4.5	3.8	0.6	3.5	3.0	0.5	47.71
(7070, 668)	2	SOV	---	---	1	852.1	-----	4.1	3.9	0.3	3.2	3.0	0.2	51.62
(639,7071)	1	SOV	---	---	0	6.0	-----	2.3	2.0	0.3	1.8	1.6	0.2	48.62
(639,7071)	2	SOV	---	---	0	190.0	-----	2.2	2.1	0.1	1.7	1.6	0.1	51.89
(7072, 642)	1	SOV	---	---	0	45.6	-----	2.3	1.8	0.4	1.8	1.4	0.3	46.52
(7072, 642)	2	SOV	---	---	1	241.7	-----	2.2	1.9	0.3	1.7	1.5	0.2	48.97
(641,7073)	1	SOV	---	---	0	13.0	-----	2.4	2.4	0.0	1.8	1.8	0.0	49.65
(641,7073)	2	SOV	---	---	0	397.0	-----	2.5	2.5	0.0	2.0	1.9	0.0	46.78
(661,7074)	1	SOV	---	---	0	57.0	-----	2.7	2.6	0.1	2.1	2.0	0.1	47.97
(7075, 662)	1	SOV	---	---	0	415.5	-----	4.4	3.8	0.5	3.4	2.9	0.4	44.90
(7075, 662)	2	SOV	---	---	1	1081.0	-----	4.2	3.9	0.3	3.2	3.0	0.2	46.82
(645,7076)	1	SOV	---	---	0	2.0	-----	3.1	3.0	0.0	2.4	2.3	0.0	52.58
(645,7076)	2	SOV	---	---	0	279.0	-----	3.2	3.2	0.0	2.5	2.4	0.0	50.45
(645,7076)	3	SOV	---	---	0	448.0	-----	3.4	3.3	0.1	2.6	2.5	0.1	47.64

(7077, 646)	1	SOV	---	---	0	137.0	-----	3.2	3.0	0.2	2.4	2.3	0.2	34.37
(7084, 857)	1	SOV	---	---	0	214.9	-----	2.6	2.3	0.3	2.0	1.8	0.2	50.05
(857, 858)	1	SOV	---	---	0	196.0	-----	3.9	3.8	0.1	3.0	3.0	0.1	54.12
(859,7085)	1	SOV	---	---	2	202.4	-----	6.1	6.0	0.1	4.7	4.6	0.1	53.94
(7086, 860)	1	SOV	---	---	0	20.8	-----	5.9	5.8	0.1	4.5	4.5	0.1	53.75
(860, 861)	1	SOV	---	---	0	20.0	-----	5.7	5.7	0.0	4.4	4.4	0.0	54.01
(866,7087)	1	SOV	---	---	0	34.0	-----	3.8	3.7	0.1	2.9	2.9	0.0	54.96
(873,7088)	1	SOV	---	---	0	43.0	-----	7.0	7.0	0.0	5.4	5.4	0.0	54.06
(7089, 874)	1	SOV	---	---	0	102.4	-----	3.8	3.6	0.2	2.9	2.8	0.2	51.95
(874, 875)	1	SOV	---	---	0	96.0	-----	3.7	3.7	0.0	2.9	2.8	0.0	53.92
(876,7090)	1	SOV	---	---	0	42.0	-----	5.7	5.7	0.0	4.4	4.4	0.0	56.50
(7091, 877)	1	SOV	---	---	0	86.2	-----	5.1	3.6	1.5	3.9	2.8	1.1	39.78
(877, 878)	1	SOV	---	---	1	80.3	-----	4.6	4.3	0.2	3.5	3.3	0.2	51.81
(879, 880)	1	SOV	---	---	7	993.0	-----	13.9	13.7	0.2	10.8	10.6	0.1	64.07
(879, 880)	2	SOV	---	---	2	1034.6	-----	13.9	13.8	0.2	10.8	10.6	0.1	63.96
(880, 881)	1	SOV	---	---	4	988.3	-----	19.9	19.6	0.4	15.4	15.1	0.3	63.70
(880, 881)	2	SOV	---	---	6	1012.0	-----	20.0	19.6	0.4	15.5	15.2	0.3	63.43
(881, 882)	1	SOV	---	---	5	1004.5	-----	16.4	16.0	0.5	12.7	12.4	0.4	63.13
(881, 882)	2	SOV	---	---	5	996.4	-----	16.5	16.0	0.4	12.7	12.4	0.3	62.95
(882, 883)	1	SOV	---	---	5	1015.2	-----	16.3	15.8	0.5	12.6	12.2	0.4	62.65
(882, 883)	2	SOV	---	---	5	986.9	-----	16.3	15.8	0.5	12.6	12.2	0.4	62.62
(883, 884)	1	SOV	---	---	5	981.4	-----	13.0	12.6	0.4	10.1	9.8	0.3	62.78
(883, 884)	2	SOV	---	---	6	976.2	-----	13.1	12.7	0.4	10.1	9.8	0.3	62.47
(883, 873)	1	SOV	---	---	0	42.3	-----	7.6	7.6	0.0	5.9	5.8	0.0	54.13
(884, 885)	1	SOV	---	---	3	979.9	-----	12.0	11.6	0.4	9.3	9.0	0.3	62.74
(884, 885)	2	SOV	---	---	3	977.7	-----	12.1	11.7	0.4	9.4	9.0	0.3	62.40
(885, 886)	1	SOV	---	---	4	975.5	-----	14.9	14.4	0.5	11.5	11.1	0.4	62.71
(885, 886)	2	SOV	---	---	4	979.4	-----	15.0	14.4	0.5	11.6	11.2	0.4	62.31

(886, 887)	1	SOV	---	---	3	1055.1	-----	16.4	15.7	0.7	12.7	12.2	0.6	62.18
(886, 887)	2	SOV	---	---	4	991.5	-----	16.5	15.8	0.6	12.7	12.2	0.5	62.14
(886, 887)	9	SOV	---	---	0	3.8	-----	19.6	17.8	1.8	15.2	13.8	1.4	52.08
(887, 888)	1	SOV	---	---	4	1045.7	-----	16.9	16.2	0.7	13.0	12.5	0.5	62.42
(887, 888)	2	SOV	---	---	3	1010.0	-----	16.9	16.3	0.7	13.1	12.6	0.5	62.09
(875, 886)	1	SOV	---	---	0	97.0	-----	5.3	5.3	0.0	4.1	4.1	0.0	54.36
(888, 889)	1	SOV	---	---	7	1043.6	-----	18.3	17.6	0.7	14.2	13.6	0.6	62.34
(888, 889)	2	SOV	---	---	5	1010.5	-----	18.4	17.6	0.8	14.2	13.6	0.6	62.01
(889, 890)	1	SOV	---	---	2	1047.3	-----	12.1	11.6	0.5	9.4	9.0	0.4	62.28
(889, 890)	2	SOV	---	---	4	1006.0	-----	12.2	11.6	0.5	9.4	9.0	0.4	61.99
(890, 891)	1	SOV	---	---	8	1042.6	-----	19.1	18.3	0.8	14.8	14.1	0.6	62.23
(890, 891)	2	SOV	---	---	6	1009.4	-----	19.2	18.3	0.8	14.8	14.2	0.7	61.92
(891, 892)	1	SOV	---	---	7	1033.9	-----	14.4	13.7	0.6	11.1	10.6	0.5	62.10
(891, 892)	2	SOV	---	---	3	1018.7	-----	14.4	13.8	0.7	11.2	10.7	0.5	61.80
(892, 893)	1	SOV	---	---	6	1031.2	-----	33.8	32.2	1.6	26.1	24.9	1.3	61.83
(892, 893)	2	SOV	---	---	7	1017.7	-----	33.8	32.2	1.6	26.2	25.0	1.2	61.78
(893, 894)	1	SOV	---	---	13	1030.4	-----	40.0	38.0	2.0	30.9	29.4	1.5	61.69
(893, 894)	2	SOV	---	---	12	1026.1	-----	40.0	38.0	2.0	31.0	29.4	1.6	61.67
(894, 895)	1	SOV	---	---	7	1020.7	-----	24.5	23.3	1.2	19.0	18.0	0.9	61.56
(894, 895)	2	SOV	---	---	7	1036.4	-----	24.4	23.2	1.2	18.9	18.0	1.0	61.76
(895, 896)	1	SOV	---	---	11	1016.2	-----	38.2	36.3	1.9	29.6	28.1	1.5	61.56
(895, 896)	2	SOV	---	---	8	1039.9	-----	38.1	36.2	1.9	29.5	28.0	1.5	61.78
(896, 897)	1	SOV	---	---	13	1023.5	-----	40.9	38.8	2.1	31.6	30.0	1.6	61.67
(896, 897)	2	SOV	---	---	9	1030.9	-----	40.8	38.8	2.0	31.6	30.1	1.5	61.76
(897, 898)	1	SOV	---	---	6	1014.5	-----	22.6	21.4	1.2	17.5	16.6	0.9	61.53
(897, 898)	2	SOV	---	---	7	1034.9	-----	22.6	21.4	1.2	17.5	16.6	0.9	61.58
(898, 899)	1	SOV	---	---	2	1035.8	-----	16.7	15.7	0.9	12.9	12.2	0.7	61.37
(898, 899)	2	SOV	---	---	5	1024.1	-----	16.6	15.8	0.8	12.8	12.2	0.6	61.61
(899, 900)	1	SOV	---	---	3	1010.4	-----	18.2	17.3	1.0	14.1	13.4	0.7	61.55
(899, 900)	2	SOV	---	---	3	1022.9	-----	18.3	17.3	0.9	14.1	13.4	0.7	61.50
(899, 866)	1	SOV	---	---	0	33.4	-----	7.6	7.6	0.0	5.9	5.9	0.0	55.47
(900, 901)	1	SOV	---	---	8	1001.4	-----	21.5	20.3	1.2	16.6	15.7	0.9	61.35
(900, 901)	2	SOV	---	---	9	1024.1	-----	21.5	20.3	1.1	16.6	15.7	0.9	61.46

(901, 902)	1	SOV	---	---	3	1144.8	-----	17.0	15.7	1.2	13.1	12.2	1.0	60.24
(901, 902)	2	SOV	---	---	4	1071.4	-----	16.7	15.7	1.0	12.9	12.2	0.7	61.28
(901, 902)	9	SOV	---	---	0	9.7	-----	20.9	17.8	3.0	16.1	13.7	2.3	49.03
(902, 903)	1	SOV	---	---	6	1113.2	-----	16.7	15.9	0.9	13.0	12.3	0.7	61.53
(902, 903)	2	SOV	---	---	5	1115.7	-----	16.8	15.8	0.9	13.0	12.2	0.7	61.45
(858, 901)	1	SOV	---	---	0	196.0	-----	10.1	9.8	0.3	7.8	7.5	0.2	53.90
(903, 904)	1	SOV	---	---	21	1094.9	-----	19.3	18.2	1.1	14.9	14.1	0.8	61.27
(903, 904)	2	SOV	---	---	19	1117.0	-----	19.2	18.1	1.1	14.9	14.0	0.8	61.43
(904, 905)	1	SOV	---	---	2	1086.2	-----	14.8	14.1	0.8	11.5	10.9	0.6	61.48
(904, 905)	2	SOV	---	---	2	1104.6	-----	14.8	14.1	0.7	11.4	10.9	0.6	61.69
(906, 907)	1	SOV	---	---	6	1266.6	-----	14.5	14.2	0.3	11.2	11.0	0.2	63.73
(906, 907)	2	SOV	---	---	4	1260.2	-----	14.4	14.1	0.3	11.2	11.0	0.2	63.88
(907, 908)	1	SOV	---	---	7	1277.9	-----	22.0	21.4	0.6	17.1	16.6	0.5	63.08
(907, 908)	2	SOV	---	---	7	1216.1	-----	22.0	21.4	0.6	17.0	16.5	0.5	63.31
(908, 909)	1	SOV	---	---	6	1321.5	-----	16.5	15.9	0.7	12.8	12.3	0.5	61.90
(908, 909)	2	SOV	---	---	3	1177.7	-----	16.3	15.7	0.6	12.6	12.1	0.5	62.80
(909, 910)	1	SOV	---	---	4	1125.8	-----	14.5	13.9	0.6	11.2	10.8	0.4	62.36
(909, 910)	2	SOV	---	---	7	1168.6	-----	14.4	13.9	0.5	11.1	10.7	0.4	62.71
(909, 859)	1	SOV	---	---	2	203.0	-----	9.5	9.4	0.1	7.4	7.3	0.1	54.52
(910, 911)	1	SOV	---	---	4	1133.8	-----	17.4	16.7	0.7	13.5	13.0	0.5	62.28
(910, 911)	2	SOV	---	---	2	1160.9	-----	17.4	16.7	0.7	13.5	12.9	0.5	62.49
(911, 912)	1	SOV	---	---	5	1141.5	-----	16.0	15.4	0.7	12.4	11.9	0.5	62.18
(911, 912)	2	SOV	---	---	6	1155.2	-----	16.0	15.3	0.7	12.4	11.9	0.5	62.18
(861, 912)	1	SOV	---	---	0	20.0	-----	6.4	6.3	0.0	4.9	4.9	0.0	54.04
(912, 913)	1	SOV	---	---	6	1152.1	-----	16.5	15.7	0.7	12.8	12.2	0.6	62.00
(912, 913)	2	SOV	---	---	8	1156.8	-----	16.5	15.7	0.8	12.8	12.2	0.6	62.05
(912, 913)	9	SOV	---	---	0	0.6	-----	20.8	18.6	2.3	16.0	14.3	1.7	49.06
(913, 914)	1	SOV	---	---	2	1152.2	-----	17.3	16.5	0.8	13.4	12.8	0.6	62.07
(913, 914)	2	SOV	---	---	3	1160.8	-----	17.2	16.5	0.8	13.3	12.7	0.6	62.15
(914, 915)	1	SOV	---	---	13	1123.4	-----	34.2	32.6	1.6	26.5	25.2	1.2	61.83
(914, 915)	2	SOV	---	---	8	1192.8	-----	34.0	32.4	1.6	26.3	25.1	1.3	62.05
(915, 916)	1	SOV	---	---	5	1138.2	-----	34.4	32.9	1.6	26.7	25.4	1.2	61.85
(915, 916)	2	SOV	---	---	11	1179.0	-----	34.3	32.7	1.7	26.6	25.3	1.3	62.04

(916, 917)	1	SOV	---	---	12	1162.8	-----	31.2	29.8	1.4	24.2	23.1	1.1	61.91
(916, 917)	2	SOV	---	---	14	1155.3	-----	31.3	29.7	1.6	24.3	23.0	1.2	61.77
(917, 918)	1	SOV	---	---	14	1154.7	-----	24.5	23.3	1.2	19.0	18.1	0.9	61.70
(917, 918)	2	SOV	---	---	12	1153.1	-----	24.5	23.2	1.3	19.0	18.0	1.0	61.71
(918, 919)	1	SOV	---	---	5	1170.9	-----	31.7	30.0	1.7	24.6	23.2	1.3	61.48
(918, 919)	2	SOV	---	---	4	1140.9	-----	31.6	30.0	1.7	24.5	23.2	1.3	61.65
(919, 920)	1	SOV	---	---	15	1166.7	-----	33.0	31.2	1.8	25.5	24.1	1.4	61.35
(919, 920)	2	SOV	---	---	14	1148.3	-----	32.8	31.1	1.8	25.4	24.1	1.4	61.59
(920, 921)	1	SOV	---	---	3	1150.2	-----	20.2	19.1	1.1	15.6	14.8	0.9	61.18
(920, 921)	2	SOV	---	---	3	1161.9	-----	20.1	19.0	1.1	15.5	14.7	0.8	61.60
(921, 922)	1	SOV	---	---	3	1141.4	-----	19.2	18.2	1.1	14.9	14.1	0.8	61.21
(921, 922)	2	SOV	---	---	6	1171.7	-----	19.2	18.1	1.1	14.8	14.0	0.8	61.47
(922, 923)	1	SOV	---	---	10	1149.8	-----	19.4	18.3	1.1	15.0	14.2	0.8	61.23
(922, 923)	2	SOV	---	---	10	1166.6	-----	19.3	18.2	1.1	15.0	14.1	0.9	61.39
(923, 924)	1	SOV	---	---	7	1143.5	-----	21.8	20.5	1.2	16.9	15.9	1.0	61.15
(923, 924)	2	SOV	---	---	9	1156.2	-----	21.7	20.5	1.2	16.8	15.9	0.9	61.42
(924, 925)	1	SOV	---	---	4	1160.9	-----	20.6	19.4	1.2	16.0	15.0	1.0	60.94
(924, 925)	2	SOV	---	---	1	1154.5	-----	20.5	19.3	1.1	15.8	15.0	0.9	61.45
(925, 926)	1	SOV	---	---	8	1118.5	-----	23.7	22.5	1.3	18.4	17.4	1.0	61.31
(925, 926)	2	SOV	---	---	9	1160.2	-----	23.7	22.4	1.3	18.3	17.3	1.0	61.55
(925, 876)	1	SOV	---	---	0	42.0	-----	9.7	9.7	0.0	7.6	7.6	0.0	56.33
(926, 927)	1	SOV	---	---	3	1114.1	-----	17.5	16.5	1.0	13.6	12.8	0.8	61.16
(926, 927)	2	SOV	---	---	7	1161.7	-----	17.4	16.4	1.0	13.5	12.7	0.7	61.52
(878, 927)	1	SOV	---	---	0	80.0	-----	3.7	3.7	0.0	2.9	2.8	0.0	54.43
(927, 928)	1	SOV	---	---	4	1180.4	-----	16.8	15.8	1.1	13.0	12.2	0.8	60.79
(927, 928)	2	SOV	---	---	6	1169.7	-----	16.7	15.7	1.0	12.9	12.2	0.7	61.32
(927, 928)	9	SOV	---	---	0	3.2	-----	19.5	17.4	2.1	15.1	13.5	1.6	52.47
(928, 929)	1	SOV	---	---	10	1190.6	-----	15.6	14.6	0.9	12.0	11.3	0.7	61.15
(928, 929)	2	SOV	---	---	7	1158.8	-----	15.5	14.6	0.9	12.0	11.3	0.7	61.28
(929, 930)	1	SOV	---	---	11	1181.0	-----	19.2	18.1	1.1	14.9	14.0	0.9	61.08
(929, 930)	2	SOV	---	---	11	1160.7	-----	19.1	18.1	1.1	14.8	14.0	0.8	61.49
(930, 931)	1	SOV	---	---	2	1186.0	-----	12.8	12.1	0.7	9.9	9.4	0.5	61.16
(930, 931)	2	SOV	---	---	3	1154.3	-----	12.8	12.1	0.7	9.9	9.4	0.6	61.32

(407, 369)	1	SOV	---	---	7	1525.7	-----	18.3	17.2	1.0	14.1	13.3	0.8	51.59
(407, 369)	2	SOV	---	---	3	1274.4	-----	18.1	17.2	0.9	14.0	13.3	0.7	51.90
(162, 165)	1	SOV	---	---	1	906.7	-----	9.6	9.4	0.2	7.4	7.2	0.1	64.29
(162, 165)	2	SOV	---	---	4	1380.1	-----	9.7	9.5	0.2	7.5	7.3	0.1	63.45
(162, 165)	3	SOV	---	---	6	1383.9	-----	9.7	9.5	0.2	7.5	7.3	0.2	63.47
(162, 165)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(165, 166)	1	SOV	---	---	3	944.0	-----	7.9	7.8	0.1	6.1	6.0	0.1	64.62
(165, 166)	2	SOV	---	---	3	1324.3	-----	8.0	7.9	0.1	6.2	6.1	0.1	63.81
(165, 166)	3	SOV	---	---	2	1327.2	-----	8.0	7.9	0.1	6.2	6.1	0.1	63.67
(165, 166)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(386, 167)	1	SOV	---	---	2	1156.1	-----	8.5	8.0	0.5	6.5	6.1	0.4	60.32
(386, 167)	2	SOV	---	---	2	1192.8	-----	8.1	7.9	0.3	6.3	6.1	0.2	62.79
(386, 167)	3	SOV	---	---	0	1042.0	-----	8.1	7.8	0.3	6.2	6.0	0.3	63.19
(386, 167)	4	HOV	7	7	0	7.0	7.0	7.9	7.9	0.0	6.1	6.1	0.0	64.68
(386, 167)	9	SOV	---	---	0	19.9	-----	10.0	8.8	1.1	7.7	6.8	0.9	51.33
(167, 168)	1	SOV	---	---	5	1161.5	-----	8.4	8.0	0.4	6.4	6.1	0.3	61.23
(167, 168)	2	SOV	---	---	3	1192.8	-----	8.1	7.9	0.2	6.3	6.1	0.2	62.81
(167, 168)	3	SOV	---	---	5	1058.3	-----	8.1	7.8	0.3	6.3	6.0	0.3	63.15
(167, 168)	4	HOV	7	7	0	7.0	7.0	7.9	7.9	0.0	6.1	6.1	0.0	64.69
(168, 169)	1	SOV	---	---	6	1149.3	-----	8.9	8.6	0.3	6.9	6.6	0.3	61.66
(168, 169)	2	SOV	---	---	3	1205.2	-----	8.7	8.5	0.2	6.7	6.5	0.2	62.87
(168, 169)	3	SOV	---	---	4	1054.9	-----	8.7	8.3	0.3	6.7	6.4	0.3	63.12
(168, 169)	4	HOV	7	7	0	7.0	7.0	8.5	8.5	0.0	6.6	6.6	0.0	64.68
(404, 170)	1	SOV	---	---	0	267.0	-----	3.6	3.5	0.0	2.8	2.7	0.0	54.69
(7018, 171)	1	SOV	---	---	0	238.7	-----	2.8	2.5	0.3	2.2	1.9	0.3	44.34
(171, 172)	1	SOV	---	---	0	217.0	-----	2.6	2.5	0.1	2.0	1.9	0.1	49.05
(172, 387)	1	SOV	---	---	0	217.0	-----	2.7	2.5	0.2	2.0	1.9	0.1	50.79
(7020, 174)	1	SOV	---	---	0	263.6	-----	3.3	3.0	0.3	2.5	2.3	0.2	45.94
(174, 175)	1	SOV	---	---	0	243.3	-----	3.3	3.3	0.1	2.6	2.5	0.1	49.43
(175, 386)	1	SOV	---	---	0	244.0	-----	3.8	3.6	0.2	2.9	2.8	0.1	51.99
(385, 173)	1	SOV	---	---	0	449.0	-----	3.3	3.2	0.1	2.5	2.5	0.1	53.36
(173,7019)	1	SOV	---	---	0	449.7	-----	3.2	3.2	0.1	2.5	2.5	0.1	50.58
(170,7017)	1	SOV	---	---	0	267.0	-----	3.7	3.7	0.0	2.9	2.8	0.0	51.58
(151, 344)	1	SOV	---	---	3	1023.6	-----	7.9	7.6	0.3	6.1	5.9	0.3	52.17

(151, 344)	2	SOV	---	---	0	82.8	-----	8.1	7.2	0.9	6.3	5.6	0.7	50.94
(344,7026)	1	SOV	---	---	0	4.0	-----	3.5	3.0	0.5	2.7	2.3	0.4	40.58
(344,7026)	2	SOV	---	---	2	1101.2	-----	3.1	2.8	0.3	2.4	2.2	0.2	45.67
(7007, 208)	1	SOV	---	---	0	110.3	-----	3.0	2.5	0.5	2.3	1.9	0.4	37.62
(209, 180)	1	SOV	---	---	0	98.0	-----	3.8	3.5	0.2	2.9	2.7	0.2	50.48
(396, 397)	1	SOV	---	---	6	928.2	-----	19.2	18.6	0.7	14.9	14.3	0.5	62.35
(396, 397)	2	SOV	---	---	5	1104.8	-----	19.0	18.5	0.5	14.7	14.3	0.4	63.12
(396, 397)	3	SOV	---	---	2	938.4	-----	19.1	18.5	0.6	14.8	14.3	0.5	62.68
(396, 397)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(399, 402)	1	SOV	---	---	9	544.5	-----	17.7	16.8	1.0	13.7	12.9	0.8	52.31
(399, 402)	2	SOV	---	---	6	711.0	-----	17.6	17.1	0.5	13.6	13.2	0.4	52.75
(559, 407)	1	SOV	---	---	5	1647.5	-----	6.9	6.2	0.6	5.3	4.8	0.5	45.39
(559, 407)	6	SOV	---	---	3	1149.1	-----	6.8	6.4	0.4	5.2	4.9	0.3	46.07
(370, 416)	1	SOV	---	---	0	479.2	-----	4.0	3.9	0.1	3.1	3.0	0.1	52.97
(403, 310)	1	SOV	---	---	4	991.3	-----	11.2	9.3	1.9	8.6	7.2	1.5	45.41
(403, 310)	2	SOV	---	---	2	254.0	-----	12.7	9.7	3.0	9.8	7.5	2.3	39.86
(383, 314)	1	SOV	---	---	3	1261.0	-----	13.7	12.8	1.0	10.6	9.8	0.8	50.62
(381, 315)	1	SOV	---	---	0	345.0	-----	3.5	3.3	0.2	2.7	2.6	0.1	51.21
(380, 381)	1	SOV	---	---	0	345.0	-----	3.6	3.5	0.1	2.8	2.7	0.1	49.07
(7029, 380)	1	SOV	---	---	0	366.1	-----	4.4	4.2	0.3	3.4	3.2	0.2	47.06
(316, 309)	1	SOV	---	---	1	955.9	-----	3.6	3.5	0.1	2.8	2.7	0.1	52.50
(349, 352)	1	SOV	---	---	0	425.0	-----	9.9	9.7	0.3	7.7	7.5	0.2	48.56
(352,7027)	1	SOV	---	---	0	426.0	-----	2.5	2.3	0.2	1.9	1.8	0.1	46.19
(346, 347)	1	SOV	---	---	0	0.0	-----	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(599, 678)	1	SOV	---	---	0	272.6	-----	4.8	4.8	0.1	3.7	3.7	0.1	55.96
(599, 678)	2	SOV	---	---	1	775.7	-----	5.1	5.0	0.1	4.0	3.9	0.1	52.75
(685, 601)	1	SOV	---	---	0	0.0	-----	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(603, 688)	1	SOV	---	---	5	755.4	-----	10.7	10.5	0.1	8.2	8.1	0.1	49.69
(603, 688)	2	SOV	---	---	3	715.7	-----	9.7	9.6	0.1	7.5	7.4	0.1	54.90
(603, 688)	3	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00

(382, 383)	1	SOV	---	---	0	1257.7	-----	3.0	2.1	0.8	2.3	1.7	0.7	44.16
(368, 369)	1	SOV	---	---	3	514.8	-----	26.1	23.9	2.2	20.1	18.5	1.7	59.55
(368, 369)	2	SOV	---	---	1	720.6	-----	26.3	24.1	2.2	20.3	18.6	1.7	59.11
(368, 369)	3	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(407, 411)	1	SOV	---	---	0	0.0	-----	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(406, 412)	1	SOV	---	---	1	450.7	-----	5.6	5.3	0.3	4.3	4.1	0.2	42.19
(406, 412)	2	SOV	---	---	0	124.9	-----	5.6	5.0	0.6	4.4	3.9	0.5	41.70
(412,7041)	1	SOV	---	---	0	11.0	-----	3.8	3.0	0.8	2.9	2.3	0.6	36.13
(412,7041)	2	SOV	---	---	1	563.0	-----	3.6	3.1	0.5	2.8	2.4	0.4	37.93
(7042, 414)	1	SOV	---	---	2	600.9	-----	3.7	3.5	0.2	2.9	2.7	0.2	42.62
(414, 415)	1	SOV	---	---	1	554.2	-----	2.7	2.5	0.2	2.1	1.9	0.2	45.49
(415, 307)	1	SOV	---	---	2	552.9	-----	3.7	3.5	0.2	2.9	2.7	0.2	50.79
(7013, 8)	1	SOV	---	---	0	566.2	-----	3.7	1.8	1.9	2.8	1.4	1.5	33.66
(8, 132)	1	SOV	---	---	0	514.7	-----	2.7	2.0	0.7	2.1	1.6	0.5	44.09

2018 NO-BUILD

PM Peak

CENTENNIAL 2018 NO-BUILD PM PEAK

CUMULATIVE FRESIM STATISTICS AT TIME 17 0 0

LINK STATISTICS

LINK	VEHICLES IN	VEHICLES OUT	LANE CHNG	CURR CONT	AVG CONT	VEH-MILES	VEH-MIN	SECONDS/VEHICLE TOTAL TIME	SECONDS/VEHICLE MOVE TIME	SECONDS/VEHICLE DELAY TIME	VEH-MIN/VEH-MILE M/T	VEH-MIN/VEH-MILE TOTAL	VEH-MIN/VEH-MILE DELAY	VOLUME VPHPL	DENSITY VPMPL	SPEED MILE/HR	LINK TYPE
(153, 96)	6658	6651	1151	31	27.0	1639.1	1619.8	14.6	13.8	0.8	0.95	0.99	0.05	1109.6	18.3	60.72	FRWY
(563, 98)	5062	5078	2606	14	24.2	1441.2	1451.6	17.2	15.9	1.3	0.92	1.01	0.08	1014.6	17.0	59.57	FRWY
(154, 101)	3516	3513	642	29	29.7	1889.4	1779.4	30.4	29.8	0.6	0.98	0.94	0.02	702.8	11.0	63.71	FRWY
(103, 104)	6106	6102	2623	11	19.1	925.0	1144.0	11.2	8.6	2.7	0.76	1.24	0.29	1085.3	22.4	48.51	FRWY
(158, 105)	7528	7513	1110	45	37.1	2138.0	2226.9	17.8	15.8	2.0	0.89	1.04	0.11	1505.1	26.1	57.60	FRWY
(128, 97)	4456	4455	563	24	29.4	1850.9	1766.9	23.8	23.1	0.7	0.97	0.95	0.03	890.9	14.2	62.85	FRWY
(156, 102)	5336	5325	768	27	21.6	1313.7	1298.6	14.6	13.7	0.9	0.94	0.99	0.06	1067.2	17.6	60.70	FRWY
(109,7001)	1782	1780	0	2	1.1	57.7	65.0	2.2	2.1	0.1	0.97	1.13	0.04	890.5	16.7	53.22	RAMP
(102, 103)	4652	4650	830	33	32.1	2002.3	1924.8	24.8	23.8	1.0	0.96	0.96	0.04	931.1	14.9	62.42	FRWY
(160,7002)	674	673	0	1	0.5	27.3	30.6	2.7	2.7	0.1	0.97	1.12	0.03	336.7	6.3	53.52	RAMP
(7003, 106)	1444	1450	502	0	3.7	125.7	222.3	8.8	6.7	2.2	0.76	1.77	0.43	754.2	22.2	33.92	RAMP
(106, 103)	1450	1456	309	0	5.1	169.1	306.6	12.6	7.6	5.0	0.60	1.81	0.72	1168.8	35.3	33.10	RAMP
(7004, 107)	1444	1443	137	1	1.7	74.3	104.4	4.0	3.2	0.9	0.78	1.41	0.31	775.1	18.2	42.68	RAMP
(107, 104)	1443	1449	858	3	3.8	135.6	226.9	9.4	6.2	3.2	0.66	1.67	0.58	900.7	25.1	35.86	RAMP
(110, 109)	1785	1782	51	3	1.2	62.9	70.7	2.4	2.3	0.1	0.97	1.12	0.03	892.2	16.7	53.35	RAMP
(96, 110)	1787	1785	42	2	0.9	45.3	51.1	1.7	1.7	0.1	0.97	1.13	0.04	893.0	16.8	53.28	RAMP
(127, 97)	607	600	399	9	2.0	67.6	122.4	12.2	7.4	4.8	0.61	1.81	0.71	515.4	15.5	33.17	RAMP

(96, 128)	4864	4864	1102	21	22.2	1381.9	1329.2	16.4	15.8	0.6	0.97	0.96	0.03	972.8	15.6	62.38	FRWY
(128, 129)	408	408	35	2	1.3	70.0	80.1	11.8	11.3	0.4	0.96	1.14	0.04	244.7	4.7	52.42	RAMP
(132, 130)	6406	6402	1152	17	16.1	952.0	967.1	9.1	8.3	0.8	0.91	1.02	0.09	1149.0	19.5	59.07	FRWY
(131, 130)	257	257	0	0	0.2	11.1	13.2	3.1	2.8	0.2	0.92	1.19	0.09	257.0	5.1	50.43	RAMP
(151, 132)	5736	5734	594	24	26.2	1619.4	1570.5	16.4	15.7	0.8	0.95	0.97	0.04	1146.9	18.5	61.87	FRWY
(105, 137)	6389	6383	1363	28	24.7	1486.9	1481.8	13.9	12.9	1.0	0.93	1.00	0.07	1277.6	21.2	60.21	FRWY
(98, 138)	1310	1310	11	2	2.4	127.5	147.0	6.7	6.4	0.3	0.95	1.15	0.06	1275.2	24.5	52.05	RAMP
(138, 139)	1310	1309	104	1	0.9	49.6	56.2	2.6	2.5	0.1	0.97	1.13	0.04	654.9	12.4	52.96	RAMP
(141, 140)	1829	1831	651	0	4.5	146.6	270.1	8.9	5.2	3.6	0.59	1.84	0.75	915.0	28.1	32.56	RAMP
(140, 101)	1831	1828	0	3	5.9	258.9	356.0	11.7	9.3	2.4	0.79	1.38	0.28	1830.1	41.9	43.64	RAMP
(105, 143)	1124	1122	0	2	1.3	66.0	76.1	4.1	3.8	0.2	0.94	1.15	0.06	1123.7	21.6	52.01	RAMP
(7005, 127)	608	607	22	2	0.5	14.0	29.3	2.4	1.6	0.9	0.64	2.09	0.75	359.6	12.5	28.69	RAMP
(129,7006)	408	408	0	0	0.4	18.2	26.2	3.9	3.4	0.5	0.88	1.44	0.17	204.0	4.9	41.72	RAMP
(147, 148)	877	875	0	2	1.5	68.9	88.5	6.1	5.7	0.4	0.94	1.29	0.08	876.3	18.8	46.67	RAMP
(148, 137)	875	875	0	0	1.0	50.7	61.2	4.2	3.8	0.4	0.91	1.21	0.11	875.0	17.6	49.68	RAMP
(163, 149)	4585	4592	1859	40	43.2	2752.0	2593.0	33.7	33.1	0.6	0.98	0.94	0.02	923.2	14.5	63.68	FRWY
(311, 150)	6536	6522	328	19	16.0	967.3	961.7	8.8	8.2	0.6	0.93	0.99	0.07	1306.3	21.6	60.35	FRWY
(152, 153)	6655	6658	674	2	4.4	252.1	263.5	2.4	2.1	0.3	0.89	1.05	0.12	1210.2	21.1	57.41	FRWY
(130, 152)	6659	6655	4945	34	27.6	1638.7	1654.8	14.9	13.7	1.2	0.92	1.01	0.08	1244.9	21.0	59.42	FRWY
(100, 154)	3512	3516	241	17	17.3	1116.3	1040.6	17.6	17.4	0.2	0.99	0.93	0.01	710.6	11.0	64.37	FRWY
(101, 155)	5341	5335	2759	32	22.9	1313.6	1372.1	15.4	13.7	1.7	0.89	1.04	0.12	998.0	17.4	57.44	FRWY
(155, 156)	5335	5336	894	3	3.3	202.1	197.2	2.2	2.1	0.1	0.95	0.98	0.05	1067.1	17.4	61.50	FRWY
(104, 157)	7551	7533	4834	51	42.0	2142.7	2519.5	20.0	15.9	4.1	0.80	1.18	0.24	1414.2	27.7	51.03	FRWY

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(157, 158)	7533	7528	296	6	5.0	285.2	300.2	2.4	2.1	0.3	0.88	1.05	0.13	1506.1	26.4	57.01	FRWY
(137, 159)	7258	7259	3986	39	31.3	1282.8	1877.5	15.5	10.0	5.6	0.64	1.46	0.52	1311.3	32.0	41.00	FRWY
(150, 151)	6522	6530	342	6	14.7	887.4	882.8	8.1	7.6	0.5	0.93	0.99	0.07	1305.1	21.6	60.31	FRWY
(325, 95)	4768	4736	1065	60	47.4	2950.8	2843.0	35.9	34.5	1.4	0.96	0.96	0.04	950.9	15.3	62.28	FRWY
(102, 160)	673	674	7	0	1.0	53.5	60.4	5.4	5.2	0.2	0.97	1.13	0.04	577.0	10.9	53.16	RAMP
(98, 99)	3768	3772	521	14	25.6	1601.6	1536.8	24.5	23.6	0.9	0.97	0.96	0.03	753.7	12.1	62.53	FRWY
(99, 164)	3772	3767	344	13	16.8	1058.8	1010.5	16.1	15.6	0.5	0.97	0.95	0.03	754.4	12.0	62.87	FRWY
(295, 200)	1343	1346	154	2	3.1	148.9	188.5	8.4	8.3	0.1	0.99	1.27	0.01	535.0	11.3	47.40	FRWY
(203, 201)	1345	1344	39	1	0.7	46.7	44.2	1.8	1.7	0.0	0.98	0.95	0.02	746.8	11.8	63.31	FRWY
(200, 199)	1280	1282	59	2	2.4	105.7	143.0	6.7	6.6	0.1	0.99	1.35	0.01	639.9	14.4	44.34	FRWY
(179, 178)	835	837	27	0	1.5	79.2	87.4	6.3	6.2	0.1	0.99	1.10	0.01	418.1	7.7	54.34	FRWY
(180, 179)	838	835	173	5	2.9	158.7	175.3	12.5	12.4	0.1	0.99	1.10	0.01	342.1	6.3	54.33	FRWY
(181, 180)	704	704	19	0	1.2	66.3	72.9	6.2	6.2	0.1	0.99	1.10	0.01	352.0	6.5	54.55	FRWY
(199, 198)	1282	1286	88	2	3.0	133.2	180.8	8.5	8.3	0.1	0.99	1.36	0.02	641.7	14.5	44.21	FRWY
(198, 197)	1481	1480	387	6	6.6	339.7	393.1	15.9	15.1	0.8	0.95	1.16	0.06	624.1	12.0	51.85	FRWY
(197, 196)	1819	1821	544	10	9.8	517.0	586.1	19.3	18.7	0.6	0.97	1.13	0.04	791.3	14.9	52.93	FRWY
(196, 195)	1821	1812	299	23	16.8	888.2	1006.0	33.2	32.2	1.0	0.97	1.13	0.04	908.5	17.1	52.97	FRWY
(182, 181)	704	704	42	5	4.2	228.1	250.8	21.4	21.2	0.2	0.99	1.10	0.01	352.3	6.5	54.56	FRWY
(183, 182)	1962	1963	228	10	10.5	557.2	631.9	19.3	18.6	0.7	0.96	1.13	0.04	980.7	18.5	52.91	FRWY
(184, 183)	1961	1962	661	13	13.3	719.6	795.5	24.1	23.8	0.3	0.99	1.11	0.02	989.9	18.2	54.27	FRWY
(205, 204)	340	339	0	1	0.3	11.8	16.2	2.9	2.8	0.1	0.98	1.37	0.03	339.1	7.7	43.85	RAMP
(204, 197)	339	339	0	1	0.4	19.8	26.9	4.8	4.7	0.1	0.98	1.36	0.02	338.6	7.7	44.11	RAMP
(182, 193)	1259	1257	250	3	2.5	140.1	149.4	7.1	6.2	1.0	0.87	1.07	0.14	844.3	15.0	56.26	RAMP
(193, 194)	1257	1256	93	1	1.5	90.7	90.2	4.3	4.0	0.3	0.93	0.99	0.07	603.6	10.0	60.31	RAMP

(208, 209)	135	134	0	1	0.2	11.6	14.7	6.5	6.2	0.3	0.95	1.27	0.06	135.0	2.9	47.33	RAMP
(207, 198)	195	195	0	0	0.3	12.3	17.3	5.3	5.1	0.2	0.96	1.41	0.06	195.0	4.6	42.60	RAMP
(206, 207)	195	195	0	0	0.2	5.5	9.1	2.8	2.6	0.2	0.92	1.64	0.12	195.0	5.3	36.55	RAMP
(200, 210)	66	65	0	1	0.1	3.4	4.6	4.2	4.1	0.1	0.98	1.35	0.03	65.4	1.5	44.39	RAMP
(210, 211)	65	65	0	0	0.1	2.7	3.8	3.5	3.5	0.0	0.99	1.44	0.01	65.0	1.6	41.60	RAMP
(178, 202)	837	838	1	0	0.4	24.4	26.5	1.9	1.6	0.3	0.85	1.09	0.16	418.8	7.6	55.25	FRWY
(139,7009)	1309	1310	0	0	0.8	41.2	46.5	2.1	2.1	0.1	0.97	1.13	0.04	654.6	12.3	53.16	RAMP
(7010, 141)	1829	1829	396	0	3.4	156.9	206.6	6.5	5.4	1.1	0.83	1.32	0.22	954.7	20.9	45.58	RAMP
(211,7011)	65	65	0	0	0.1	2.9	5.0	4.6	4.6	0.1	0.99	1.71	0.02	65.0	1.9	35.11	RAMP
(7012, 206)	195	195	0	0	0.1	4.9	8.8	2.3	2.2	0.1	0.95	1.81	0.09	227.9	6.9	33.10	RAMP
(7014, 205)	339	340	0	0	0.4	17.2	24.4	4.0	3.8	0.3	0.94	1.42	0.09	365.2	8.7	42.13	RAMP
(194,7015)	1256	1256	0	0	0.7	40.4	43.3	2.1	1.8	0.3	0.86	1.07	0.15	418.7	7.5	56.00	RAMP
(201, 295)	1344	1343	17	4	3.3	189.6	198.9	8.9	8.9	0.0	1.00	1.05	0.00	671.7	11.7	57.19	FRWY
(149, 298)	4592	4592	362	22	20.7	1304.2	1244.6	16.3	15.8	0.5	0.97	0.95	0.03	918.2	14.6	62.88	FRWY
(533, 299)	5377	5380	2051	5	10.6	565.4	635.3	7.1	5.9	1.2	0.83	1.12	0.19	925.7	17.3	53.40	FRWY
(299, 300)	5942	5935	1618	19	29.1	1687.4	1746.1	17.6	15.8	1.9	0.90	1.03	0.11	1120.7	19.3	57.98	FRWY
(300, 301)	5935	5914	959	66	47.1	2911.8	2828.9	28.6	27.3	1.4	0.95	0.97	0.05	1184.9	19.2	61.76	FRWY
(301, 302)	5914	5922	1448	16	20.2	1232.9	1213.8	12.3	11.6	0.7	0.94	0.98	0.06	1183.6	19.4	60.95	FRWY
(302, 303)	5922	5928	580	24	27.5	1682.8	1651.8	16.7	15.8	0.9	0.94	0.98	0.05	1184.7	19.4	61.13	FRWY
(303, 304)	5319	5321	995	9	12.9	797.0	773.8	8.7	8.3	0.4	0.95	0.97	0.05	1064.0	17.2	61.80	FRWY
(304, 305)	5321	5297	1980	50	25.8	1509.0	1550.7	17.5	15.8	1.7	0.90	1.03	0.10	1062.3	18.2	58.39	FRWY
(305, 306)	6568	6555	2229	31	28.3	1149.7	1696.6	15.5	10.1	5.5	0.65	1.48	0.52	1183.3	29.1	40.66	FRWY
(306, 307)	4614	4614	978	41	40.7	2522.8	2440.7	31.8	30.4	1.4	0.96	0.97	0.04	921.8	14.9	62.02	FRWY

(307, 310)	5184	5186	983	10	13.5	828.5	809.0	9.4	8.9	0.5	0.95	0.98	0.05	936.7	15.2	61.44	FRWY
(310, 311)	6520	6536	3510	39	32.9	1853.7	1971.0	18.1	15.8	2.3	0.87	1.06	0.14	1223.5	21.7	56.43	FRWY
(159, 312)	7259	7256	654	18	15.1	779.2	906.5	7.5	6.0	1.5	0.80	1.16	0.24	1451.2	28.1	51.58	FRWY
(312, 313)	7256	7258	388	21	22.1	1282.5	1326.3	11.0	9.9	1.1	0.90	1.03	0.10	1451.6	25.0	58.02	FRWY
(313, 314)	5218	5207	2746	60	59.2	3669.1	3552.0	40.9	39.1	1.8	0.96	0.97	0.04	1043.2	16.8	61.98	FRWY
(314, 315)	6630	6633	2498	2	13.0	478.4	780.1	7.1	4.2	2.9	0.59	1.63	0.67	1145.7	31.1	36.80	FRWY
(555, 316)	7049	7034	288	22	17.3	1004.6	1036.0	8.8	8.0	0.9	0.90	1.03	0.10	1408.8	24.2	58.18	FRWY
(316, 317)	5400	5393	602	30	28.7	1784.8	1721.8	19.2	18.4	0.8	0.96	0.96	0.04	1078.8	17.3	62.19	FRWY
(317, 318)	5393	5379	487	38	24.5	1528.4	1472.8	16.4	15.8	0.6	0.96	0.96	0.04	1076.0	17.3	62.26	FRWY
(318, 319)	6062	6061	1340	28	28.3	1722.4	1697.3	16.8	15.8	1.0	0.94	0.99	0.06	1143.9	18.8	60.89	FRWY
(319, 320)	6061	6045	262	25	13.6	842.9	816.1	8.1	7.7	0.4	0.96	0.97	0.04	1211.1	19.5	61.97	FRWY
(320, 321)	6045	6050	4027	25	32.6	1910.6	1956.7	19.4	17.6	1.9	0.90	1.02	0.10	1209.6	20.6	58.59	FRWY
(321, 322)	6050	6048	1376	29	28.8	1718.6	1726.9	17.1	16.0	1.2	0.93	1.00	0.07	1049.1	17.6	59.71	FRWY
(322, 323)	4004	4005	449	17	21.4	1343.0	1283.3	19.2	18.7	0.6	0.97	0.96	0.03	801.2	12.8	62.79	FRWY
(323, 324)	4496	4488	835	15	12.4	760.7	746.1	10.0	9.4	0.5	0.95	0.98	0.05	816.4	13.3	61.17	FRWY
(324, 325)	4763	4768	753	11	21.9	1353.7	1313.6	16.5	15.8	0.7	0.96	0.97	0.04	899.1	14.5	61.83	FRWY
(7023, 147)	875	877	0	0	0.9	33.8	54.7	3.4	2.8	0.6	0.83	1.62	0.28	965.1	26.0	37.08	RAMP
(143,7025)	1122	1123	0	0	0.7	32.3	39.3	2.1	2.0	0.1	0.95	1.22	0.06	1122.9	22.7	49.37	RAMP
(144, 131)	258	257	0	1	0.1	7.2	8.8	2.1	2.0	0.1	0.97	1.23	0.03	257.2	5.3	48.61	RAMP
(7022, 144)	257	258	0	0	0.2	9.1	12.4	2.6	2.3	0.3	0.89	1.35	0.15	285.8	6.5	44.29	RAMP
(347, 348)	2039	2038	575	2	1.7	84.2	100.1	2.9	2.9	0.1	0.98	1.19	0.03	1019.2	20.2	50.47	FRWY
(348, 349)	2038	2038	115	3	2.7	130.9	161.4	4.7	4.6	0.1	0.97	1.23	0.03	1019.2	20.9	48.66	FRWY
(560, 370)	3923	3929	117	3	5.0	303.4	301.8	4.6	4.3	0.3	0.94	0.99	0.06	981.7	16.3	60.33	FRWY
(370, 371)	3510	3516	352	11	19.1	1193.2	1146.9	19.6	18.9	0.7	0.96	0.96	0.03	878.9	14.1	62.42	FRWY

(371, 372)	3516	3498	710	23	15.7	977.7	942.9	16.1	15.5	0.6	0.96	0.96	0.04	876.2	14.1	62.22	FRWY
(372, 373)	4155	4163	1358	9	12.3	724.0	740.0	10.7	9.7	1.0	0.91	1.02	0.09	926.5	15.8	58.70	FRWY
(373, 374)	4163	4166	163	4	7.5	458.3	449.2	6.5	6.1	0.4	0.94	0.98	0.05	1041.1	17.0	61.21	FRWY
(374, 375)	4166	4161	210	16	11.8	724.6	706.5	10.2	9.7	0.5	0.96	0.97	0.04	1040.8	16.9	61.54	FRWY
(375, 376)	3587	3588	349	14	16.7	1041.8	1000.9	16.7	16.1	0.6	0.96	0.96	0.03	897.1	14.4	62.45	FRWY
(376, 377)	3924	3922	567	5	9.0	548.9	540.1	8.3	7.8	0.5	0.94	0.98	0.06	850.9	14.0	60.98	FRWY
(377, 378)	4236	4243	1178	9	17.2	1044.3	1029.4	14.6	13.7	0.9	0.94	0.99	0.06	975.9	16.0	60.87	FRWY
(7028, 368)	1056	1054	61	14	4.8	252.5	287.0	16.1	15.5	0.6	0.96	1.14	0.04	357.0	6.8	52.79	FRWY
(378, 384)	4243	4244	44	2	2.6	160.7	156.1	2.2	2.1	0.1	0.95	0.97	0.05	1060.9	17.2	61.80	FRWY
(384, 385)	4244	4240	318	13	16.9	1043.9	1014.1	14.4	13.7	0.6	0.96	0.97	0.04	1060.0	17.2	61.76	FRWY
(385, 386)	3826	3825	610	28	29.6	1847.8	1779.0	27.9	26.9	1.1	0.96	0.96	0.04	955.4	15.3	62.32	FRWY
(402, 403)	1334	1332	214	5	3.9	183.7	234.8	10.6	9.8	0.8	0.93	1.28	0.09	666.0	14.2	46.93	RAMP
(562,7030)	1062	1063	0	0	0.7	38.2	43.6	2.5	2.4	0.1	0.96	1.14	0.04	354.1	6.7	52.60	FRWY
(400, 401)	2482	2483	70	10	12.1	704.9	728.3	17.6	16.7	0.9	0.95	1.03	0.05	620.3	10.7	58.07	FRWY
(401, 382)	1421	1424	0	1	1.4	55.5	81.7	3.4	3.1	0.3	0.91	1.47	0.14	1422.5	34.9	40.77	RAMP
(399, 400)	2482	2482	145	4	5.1	311.7	306.0	7.4	7.0	0.4	0.94	0.98	0.06	620.5	10.2	61.11	FRWY
(564, 399)	3818	3812	1760	12	10.3	614.1	616.5	9.7	9.1	0.6	0.93	1.00	0.07	953.6	16.0	59.76	FRWY
(397, 398)	3818	3815	1017	11	10.5	614.6	632.3	9.9	8.9	1.0	0.90	1.03	0.10	842.9	14.5	58.32	FRWY
(395, 396)	3396	3385	418	18	18.7	1169.6	1120.0	19.8	19.1	0.7	0.97	0.96	0.03	847.8	13.5	62.65	FRWY
(394, 395)	3964	3967	152	8	6.9	420.2	412.0	6.2	5.9	0.3	0.95	0.98	0.05	990.5	16.2	61.20	FRWY
(393, 394)	3963	3964	279	11	11.5	705.5	692.2	10.5	9.9	0.6	0.94	0.98	0.06	990.6	16.2	61.15	FRWY
(392, 393)	3962	3963	707	4	7.1	420.3	426.9	6.5	5.9	0.6	0.91	1.02	0.09	825.0	14.0	59.07	FRWY
(391, 392)	3497	3493	1163	22	11.6	716.0	696.3	12.0	11.4	0.6	0.95	0.97	0.05	791.2	12.8	61.69	FRWY

(390, 391)	3182	3173	337	17	15.0	937.5	898.6	17.0	16.4	0.6	0.97	0.96	0.03	794.3	12.7	62.60	FRWY
(389, 390)	3689	3687	341	18	16.9	1047.7	1013.2	16.5	15.8	0.6	0.96	0.97	0.04	922.0	14.9	62.05	FRWY
(388, 389)	3689	3689	130	3	5.5	343.1	330.3	5.4	5.2	0.2	0.96	0.96	0.04	922.4	14.8	62.32	FRWY
(387, 388)	3679	3689	1394	11	16.9	1046.8	1014.5	16.5	15.8	0.7	0.96	0.97	0.04	856.9	13.8	61.91	FRWY
(166, 404)	3490	3489	172	8	7.9	495.7	471.5	8.1	7.9	0.2	0.98	0.95	0.02	872.4	13.8	63.07	FRWY
(404, 387)	3284	3287	347	14	16.0	1009.2	960.5	17.5	17.1	0.5	0.97	0.95	0.03	821.3	13.0	63.04	FRWY
(306, 405)	1941	1940	0	4	2.6	119.8	154.9	4.8	4.1	0.7	0.85	1.29	0.20	1940.0	41.8	46.39	RAMP
(558, 406)	1940	1940	0	2	2.6	113.9	157.4	4.9	4.6	0.2	0.95	1.38	0.07	1467.0	33.8	43.41	FRWY
(351, 408)	1515	1515	396	1	2.2	90.9	130.5	5.2	4.8	0.4	0.93	1.44	0.10	757.4	18.1	41.80	RAMP
(408, 409)	1515	1522	221	3	4.5	179.7	271.3	10.7	9.5	1.2	0.88	1.51	0.18	1026.7	25.8	39.73	RAMP
(410, 405)	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0	0.00	FRWY
(413, 409)	1364	1366	0	2	4.9	197.6	291.4	12.8	11.6	1.2	0.91	1.47	0.14	1365.8	33.6	40.68	FRWY
(349, 350)	1516	1519	290	7	6.8	334.2	410.0	16.2	15.9	0.3	0.98	1.23	0.02	759.4	15.5	48.91	RAMP
(350, 351)	1519	1515	147	9	5.6	251.8	338.0	13.4	13.1	0.2	0.98	1.34	0.02	758.9	17.0	44.71	RAMP
(406, 413)	1369	1364	0	10	5.5	233.5	327.2	14.4	13.7	0.6	0.96	1.40	0.06	1365.4	31.9	42.82	FRWY
(416,7031)	419	419	0	0	0.3	14.8	17.6	2.5	2.4	0.1	0.97	1.19	0.04	419.0	8.3	50.24	RAMP
(7032, 435)	658	658	0	0	0.7	31.6	42.1	3.6	3.2	0.4	0.90	1.33	0.13	710.4	15.8	45.06	RAMP
(435, 436)	658	657	0	1	0.6	27.5	33.8	3.1	3.0	0.1	0.97	1.23	0.03	657.2	13.5	48.79	RAMP
(436, 372)	657	657	0	1	0.7	36.1	42.5	3.9	3.6	0.3	0.92	1.18	0.09	656.6	12.9	50.89	RAMP
(395, 437)	571	571	32	0	1.1	58.2	66.1	6.9	6.7	0.2	0.97	1.14	0.04	454.4	8.6	52.80	RAMP
(437,7033)	571	572	0	0	0.9	42.2	53.4	5.6	5.3	0.4	0.94	1.27	0.08	285.9	6.0	47.40	RAMP
(7034, 440)	436	436	0	0	0.4	19.0	25.3	3.2	2.9	0.3	0.90	1.33	0.14	475.7	10.6	45.04	RAMP
(440, 441)	436	437	0	1	0.5	23.7	29.0	4.0	3.9	0.1	0.97	1.22	0.03	436.0	8.9	49.01	RAMP
(7035, 443)	336	336	0	0	0.4	13.4	23.6	3.8	2.9	0.9	0.77	1.75	0.41	367.6	10.7	34.22	RAMP

(443, 444)	336	336	0	0	0.3	13.2	17.6	3.1	2.9	0.3	0.91	1.33	0.12	336.0	7.4	45.18	RAMP
(444, 376)	336	336	0	0	0.9	44.9	51.0	9.1	8.8	0.3	0.97	1.14	0.04	336.0	6.4	52.84	RAMP
(375, 442)	574	577	0	0	0.7	39.5	44.3	4.6	4.5	0.1	0.97	1.12	0.03	574.7	10.7	53.47	RAMP
(442,7036)	577	576	0	1	0.5	27.3	32.3	3.4	3.3	0.1	0.98	1.18	0.02	576.3	11.4	50.75	RAMP
(7037, 454)	310	311	0	0	0.3	14.6	19.4	3.5	3.1	0.3	0.90	1.32	0.13	336.1	7.4	45.34	RAMP
(454, 455)	311	312	0	0	0.3	14.8	18.0	3.5	3.4	0.1	0.98	1.22	0.02	311.0	6.3	49.28	RAMP
(455, 377)	312	314	0	0	0.4	22.7	25.9	5.0	4.7	0.2	0.95	1.14	0.06	313.3	6.0	52.45	RAMP
(390, 458)	505	506	0	2	1.3	65.9	75.2	8.9	8.6	0.4	0.96	1.14	0.05	506.0	9.6	52.58	RAMP
(456, 457)	324	324	0	0	0.2	9.8	12.9	2.4	2.2	0.2	0.92	1.31	0.10	324.0	7.1	45.78	RAMP
(457, 391)	324	324	0	0	0.2	9.0	10.9	2.0	1.8	0.2	0.90	1.22	0.12	324.0	6.6	49.10	RAMP
(7038, 456)	323	324	0	0	0.2	8.4	12.7	2.0	1.6	0.4	0.80	1.51	0.30	374.4	9.4	39.75	RAMP
(458,7039)	506	505	0	1	0.4	20.2	26.4	3.1	2.8	0.3	0.89	1.30	0.14	505.6	11.0	45.99	RAMP
(7040, 466)	467	468	0	0	0.5	21.2	28.7	3.4	3.0	0.4	0.88	1.36	0.16	508.6	11.5	44.25	RAMP
(466, 467)	468	468	0	0	0.4	19.4	23.9	3.1	3.0	0.1	0.97	1.23	0.04	468.0	9.6	48.73	RAMP
(467, 392)	468	469	0	0	0.5	26.3	31.0	4.0	3.7	0.3	0.92	1.18	0.09	468.3	9.2	50.97	RAMP
(309,7043)	1632	1630	0	3	2.3	79.4	137.0	5.0	3.5	1.6	0.69	1.73	0.54	1630.9	46.9	34.76	RAMP
(7044, 483)	684	684	0	3	1.2	53.1	70.3	5.9	5.3	0.5	0.91	1.32	0.12	716.9	15.8	45.31	RAMP
(484, 318)	684	683	0	1	0.9	46.3	54.6	4.8	4.4	0.3	0.93	1.18	0.08	683.5	13.4	50.93	RAMP
(483, 484)	684	684	0	1	0.7	33.6	41.6	3.6	3.5	0.1	0.97	1.24	0.03	684.4	14.1	48.42	RAMP
(303, 487)	609	608	0	1	1.0	51.5	57.7	5.7	5.5	0.1	0.98	1.12	0.03	608.7	11.4	53.62	RAMP
(487, 488)	608	607	0	2	1.1	57.2	68.9	6.8	6.7	0.2	0.98	1.21	0.03	607.5	12.2	49.79	RAMP
(488,7046)	607	607	0	0	0.7	33.6	42.5	4.2	4.0	0.2	0.95	1.27	0.06	607.0	12.8	47.38	RAMP
(490, 305)	1274	1271	0	7	3.3	168.8	197.3	9.3	8.7	0.6	0.94	1.17	0.07	1273.5	24.8	51.35	RAMP

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(489, 490)	1273	1274	0	1	2.3	111.4	139.4	6.6	6.3	0.2	0.96	1.25	0.05	1273.3	26.5	47.96	RAMP
(7047, 489)	1273	1273	0	0	1.9	80.4	116.4	5.2	4.3	0.9	0.83	1.45	0.24	1348.3	32.5	41.47	RAMP
(7045, 531)	562	562	119	0	0.8	27.0	45.8	4.5	2.5	2.1	0.54	1.70	0.77	303.5	8.6	35.39	RAMP
(531, 532)	562	562	5	0	0.5	22.1	29.1	3.1	2.2	0.9	0.70	1.31	0.39	379.5	8.3	45.69	RAMP
(532, 299)	562	562	0	0	0.4	22.1	25.3	2.7	2.2	0.5	0.81	1.14	0.22	562.0	10.7	52.46	RAMP
(322, 522)	2044	2043	19	3	1.7	91.7	102.0	3.0	2.9	0.1	0.98	1.11	0.02	1021.5	18.9	53.94	RAMP
(7049, 523)	485	486	0	0	0.5	18.3	29.5	3.3	3.1	0.2	0.93	1.61	0.11	534.8	14.3	37.33	RAMP
(523, 524)	486	490	0	0	0.9	38.4	51.5	6.3	5.7	0.7	0.90	1.34	0.14	487.9	10.9	44.72	RAMP
(524, 323)	490	491	0	0	0.7	37.0	43.3	5.3	4.9	0.4	0.93	1.17	0.08	490.9	9.6	51.22	RAMP
(298, 533)	3894	3893	572	23	20.7	1303.2	1243.6	19.2	18.6	0.6	0.97	0.95	0.03	778.4	12.4	62.87	FRWY
(7050, 529)	1473	1476	645	0	1.8	54.6	109.2	4.0	3.0	1.0	0.75	2.00	0.50	814.9	27.2	30.01	RAMP
(529, 530)	1476	1479	103	0	1.5	45.6	90.9	3.7	2.2	1.5	0.60	1.99	0.79	822.1	27.3	30.10	RAMP
(530, 533)	1479	1484	0	0	3.3	140.1	196.9	8.0	6.2	1.8	0.78	1.41	0.31	1482.0	34.7	42.68	RAMP
(7051, 525)	270	271	0	0	0.3	12.2	16.1	3.3	3.0	0.3	0.91	1.32	0.12	293.8	6.5	45.36	RAMP
(525, 526)	271	273	0	0	0.4	20.5	25.1	5.5	5.4	0.1	0.98	1.22	0.02	272.2	5.5	49.07	RAMP
(526, 324)	273	275	0	0	0.5	27.1	30.8	6.8	6.5	0.3	0.96	1.14	0.05	273.8	5.2	52.67	RAMP
(298, 534)	698	698	0	0	1.0	64.4	62.7	5.4	5.1	0.3	0.95	0.97	0.05	698.0	11.3	61.62	RAMP
(534,7052)	698	697	0	1	0.6	35.3	36.4	3.1	2.8	0.3	0.90	1.03	0.11	697.3	12.0	58.18	RAMP
(313, 347)	2040	2039	0	3	3.0	157.6	182.9	5.4	5.1	0.3	0.94	1.16	0.07	2039.8	39.5	51.70	RAMP
(315, 554)	7054	7052	2133	9	17.2	738.9	1034.8	8.8	5.9	2.9	0.67	1.40	0.47	1194.9	27.9	42.84	FRWY
(554, 555)	7052	7049	645	16	16.2	854.6	974.8	8.3	6.7	1.6	0.81	1.14	0.22	1410.0	26.8	52.60	FRWY
(522,7048)	2043	2041	0	3	1.9	95.9	112.8	3.3	3.3	0.1	0.98	1.18	0.02	1020.7	20.0	51.01	RAMP
(405, 558)	1940	1940	0	3	1.9	92.6	115.8	3.6	3.4	0.2	0.94	1.25	0.07	970.1	20.2	47.97	FRWY
(409, 559)	2888	2881	147	10	4.2	179.7	254.8	5.3	5.0	0.3	0.94	1.42	0.08	1442.2	34.1	42.33	FRWY

(369, 560)	3928	3923	895	9	6.1	343.4	363.4	5.6	4.9	0.7	0.88	1.06	0.13	981.1	17.3	56.70	FRWY
(401, 562)	1062	1062	3	0	0.6	36.2	36.7	2.1	2.1	0.0	0.99	1.01	0.01	354.0	6.0	59.25	FRWY
(97, 563)	5055	5062	1155	19	23.5	1436.4	1409.5	16.7	15.8	0.9	0.94	0.98	0.06	954.0	15.6	61.15	FRWY
(398, 564)	3815	3818	135	8	7.7	469.9	463.9	7.3	6.8	0.5	0.94	0.99	0.06	954.3	15.7	60.78	FRWY
(27, 28)	1397	1394	161	9	4.4	264.6	264.1	11.3	10.5	0.8	0.93	1.00	0.07	465.7	7.7	60.13	FRWY
(28, 29)	2441	2444	293	3	6.0	370.1	362.4	8.9	8.4	0.5	0.94	0.98	0.05	610.7	10.0	61.27	FRWY
(29, 30)	2444	2451	60	0	3.7	231.8	219.8	5.4	5.3	0.1	0.98	0.95	0.02	611.8	9.7	63.25	FRWY
(30, 31)	3558	3555	2491	20	16.2	1010.5	973.1	16.4	15.8	0.7	0.96	0.96	0.04	711.4	11.4	62.31	FRWY
(31, 32)	3555	3554	1105	10	9.3	577.6	556.1	9.4	9.0	0.4	0.96	0.96	0.04	710.8	11.4	62.32	FRWY
(32, 33)	3554	3552	350	7	8.0	504.8	480.1	8.1	7.9	0.2	0.97	0.95	0.03	605.8	9.6	63.09	FRWY
(33, 34)	3552	3543	255	13	8.1	503.8	487.9	8.3	8.1	0.2	0.98	0.97	0.02	591.2	9.5	61.96	FRWY
(34, 35)	2344	2339	115	8	4.5	287.4	270.0	6.9	6.8	0.1	0.98	0.94	0.01	468.4	7.3	63.88	FRWY
(35, 36)	2339	2335	118	5	5.5	349.2	327.5	8.4	8.3	0.1	0.99	0.94	0.01	467.3	7.3	63.97	FRWY
(36, 37)	2335	2325	114	12	6.0	386.1	361.8	9.3	9.2	0.1	0.99	0.94	0.01	466.0	7.3	64.03	FRWY
(37, 54)	2325	2314	118	14	6.8	437.3	409.6	10.6	10.5	0.1	0.99	0.94	0.01	463.6	7.2	64.06	FRWY
(54, 55)	2591	2595	390	3	5.0	319.1	302.0	7.0	6.8	0.2	0.98	0.95	0.02	455.4	7.2	63.41	FRWY
(55, 56)	2595	2597	69	4	3.8	245.9	230.8	5.3	5.3	0.1	0.98	0.94	0.01	519.4	8.1	63.93	FRWY
(56, 57)	3110	3109	767	10	9.4	589.3	563.5	10.9	10.5	0.4	0.97	0.96	0.03	570.9	9.1	62.74	FRWY
(57, 58)	3109	3107	85	4	4.6	294.3	277.8	5.4	5.3	0.1	0.98	0.94	0.02	621.5	9.8	63.55	FRWY
(58, 59)	3107	3105	622	9	5.4	340.9	321.3	6.2	6.1	0.1	0.98	0.94	0.02	620.7	9.8	63.66	FRWY
(59, 60)	3105	3098	915	13	7.9	495.1	472.0	9.1	8.9	0.3	0.97	0.95	0.03	731.8	11.6	62.93	FRWY
(60, 61)	3098	3101	1603	5	14.4	880.7	865.5	16.8	15.8	0.9	0.94	0.98	0.05	775.0	12.7	61.06	FRWY
(61, 62)	2647	2651	106	2	8.2	501.6	493.2	11.2	10.7	0.5	0.96	0.98	0.04	662.0	10.8	61.02	FRWY

(62, 63)	1652	1651	99	5	5.5	346.7	327.3	11.9	11.7	0.2	0.98	0.94	0.02	412.7	6.5	63.56	FRWY
(63, 64)	1651	1651	102	7	5.7	360.0	339.0	12.3	12.1	0.2	0.98	0.94	0.01	413.5	6.5	63.70	FRWY
(64, 65)	2219	2222	793	5	6.7	420.5	404.9	10.9	10.5	0.4	0.96	0.96	0.04	499.0	8.0	62.32	FRWY
(65, 66)	2222	2222	50	3	3.3	210.5	199.2	5.4	5.3	0.1	0.98	0.95	0.02	555.8	8.8	63.42	FRWY
(66, 67)	2222	2225	1584	6	6.2	395.2	374.0	10.1	9.9	0.2	0.98	0.95	0.02	556.1	8.8	63.40	FRWY
(67, 68)	2225	2220	282	10	9.0	547.4	541.7	14.6	13.7	0.9	0.94	0.99	0.06	555.9	9.2	60.64	FRWY
(68, 69)	2220	2223	607	6	10.3	631.5	618.4	16.7	16.2	0.5	0.97	0.98	0.03	456.7	7.5	61.26	FRWY
(69, 70)	772	777	39	2	3.9	248.7	232.6	18.0	17.8	0.2	0.99	0.94	0.01	193.6	3.0	64.15	FRWY
(70, 71)	777	778	21	2	1.8	114.6	106.9	8.2	8.2	0.1	0.99	0.93	0.01	194.5	3.0	64.34	FRWY
(71, 72)	861	859	139	2	3.8	244.6	229.4	16.0	15.8	0.2	0.99	0.94	0.01	200.2	3.1	63.96	FRWY
(72, 73)	859	857	351	4	5.6	360.3	336.2	23.5	23.3	0.2	0.99	0.93	0.01	214.7	3.3	64.30	FRWY
(73, 74)	857	851	115	9	3.8	243.0	228.2	16.0	15.8	0.2	0.99	0.94	0.01	233.3	3.7	63.89	FRWY
(74, 75)	851	852	73	4	5.3	339.1	317.2	22.3	22.1	0.2	0.99	0.94	0.01	284.3	4.4	64.14	FRWY
(75, 76)	852	855	18	1	1.3	84.9	79.4	5.6	5.5	0.1	0.99	0.94	0.01	284.2	4.4	64.16	FRWY
(76, 77)	855	857	10	0	0.8	52.1	48.7	3.4	3.4	0.0	0.99	0.94	0.01	285.5	4.4	64.16	FRWY
(568, 569)	823	821	22	2	0.5	31.1	31.7	2.3	2.1	0.2	0.90	1.02	0.10	274.1	4.7	58.87	FRWY
(569, 570)	821	815	33	6	3.0	192.3	183.0	13.4	12.9	0.5	0.97	0.95	0.03	273.1	4.3	63.05	FRWY
(570, 571)	815	811	27	4	2.0	126.8	119.4	8.8	8.6	0.2	0.98	0.94	0.02	270.7	4.3	63.69	FRWY
(571, 572)	811	804	62	9	3.6	228.9	215.0	16.0	15.7	0.3	0.98	0.94	0.02	219.7	3.4	63.88	FRWY
(572, 573)	804	802	210	8	5.2	334.0	311.8	23.3	22.9	0.4	0.98	0.93	0.01	200.9	3.1	64.27	FRWY
(573, 574)	802	802	48	1	3.6	227.9	213.1	15.9	15.7	0.2	0.99	0.94	0.01	200.5	3.1	64.16	FRWY
(574, 575)	726	728	24	1	2.7	174.1	161.7	13.4	13.2	0.1	0.99	0.93	0.01	181.6	2.8	64.61	FRWY
(575, 576)	728	725	36	4	3.7	239.5	222.3	18.4	18.2	0.2	0.99	0.93	0.01	181.7	2.8	64.63	FRWY
(576, 577)	1836	1839	1484	4	8.5	521.5	507.2	16.6	15.7	0.9	0.95	0.97	0.05	426.9	6.9	61.69	FRWY

(577, 578)	1839	1835	138	5	7.0	443.8	417.1	13.6	13.4	0.3	0.98	0.94	0.02	459.1	7.2	63.83	FRWY
(578, 579)	1835	1830	625	6	5.8	368.8	349.8	11.4	11.1	0.3	0.97	0.95	0.03	458.3	7.2	63.25	FRWY
(579, 580)	1830	1829	47	2	2.7	173.2	163.9	5.4	5.2	0.1	0.97	0.95	0.03	457.2	7.2	63.40	FRWY
(580, 581)	1829	1831	91	6	5.5	346.5	331.6	10.9	10.6	0.3	0.97	0.96	0.03	457.4	7.3	62.70	FRWY
(581, 582)	1411	1412	65	9	4.4	279.5	262.0	11.1	10.9	0.2	0.98	0.94	0.02	353.1	5.5	64.00	FRWY
(582, 583)	1412	1408	84	10	5.2	332.0	310.8	13.2	13.0	0.2	0.98	0.94	0.01	352.5	5.5	64.10	FRWY
(583, 584)	1725	1727	473	8	5.2	326.9	312.6	10.9	10.5	0.4	0.96	0.96	0.03	387.8	6.2	62.74	FRWY
(584, 585)	2566	2567	2056	9	11.8	729.6	709.2	16.6	15.7	0.8	0.95	0.97	0.05	566.5	9.2	61.73	FRWY
(585, 586)	2567	2565	155	4	5.7	349.1	340.6	8.0	7.5	0.4	0.95	0.98	0.05	641.8	10.4	61.50	FRWY
(586, 587)	2565	2568	84	2	5.1	318.4	305.0	7.1	6.9	0.3	0.96	0.96	0.03	641.6	10.2	62.63	FRWY
(587, 588)	2568	2565	52	4	3.9	243.0	232.5	5.4	5.2	0.2	0.97	0.96	0.03	641.6	10.2	62.71	FRWY
(588, 589)	2565	2564	127	6	7.9	486.3	475.0	11.1	10.6	0.5	0.96	0.98	0.04	641.9	10.5	61.43	FRWY
(589, 590)	1686	1680	71	8	4.1	259.5	243.2	8.7	8.5	0.1	0.99	0.94	0.01	420.7	6.6	64.02	FRWY
(590, 591)	1680	1679	42	5	3.0	195.3	182.3	6.5	6.4	0.1	0.99	0.93	0.01	419.8	6.5	64.26	FRWY
(591, 592)	1679	1679	47	4	3.4	217.1	202.9	7.3	7.2	0.1	0.99	0.93	0.01	419.5	6.5	64.18	FRWY
(592, 593)	2081	2081	181	5	6.2	394.1	373.6	10.8	10.5	0.3	0.98	0.95	0.02	416.1	6.6	63.29	FRWY
(593, 594)	2525	2526	560	1	3.8	239.2	229.7	5.5	5.3	0.2	0.96	0.96	0.04	428.1	6.9	62.48	FRWY
(594, 595)	2526	2523	138	5	7.5	478.3	450.5	10.7	10.5	0.2	0.98	0.94	0.02	505.1	7.9	63.70	FRWY
(595, 596)	2523	2524	66	2	3.4	217.0	203.7	4.8	4.8	0.1	0.98	0.94	0.01	504.8	7.9	63.93	FRWY
(596, 597)	2524	2521	2674	5	5.6	358.2	336.8	8.0	7.9	0.1	0.98	0.94	0.02	504.4	7.9	63.82	FRWY
(597, 598)	2521	2525	440	5	5.7	358.5	342.9	8.2	7.9	0.3	0.97	0.96	0.03	504.7	8.0	62.73	FRWY
(598, 599)	2525	2514	243	23	11.5	715.4	690.8	16.5	16.1	0.4	0.98	0.97	0.02	503.6	8.1	62.14	FRWY
(600, 601)	1225	1224	55	4	3.3	211.0	198.7	9.7	9.6	0.2	0.98	0.94	0.02	408.1	6.4	63.70	FRWY

(601, 602)	1224	1225	35	1	1.8	115.9	109.2	5.4	5.3	0.1	0.98	0.94	0.02	313.9	4.9	63.70	FRWY
(602, 603)	1225	1225	54	3	3.6	232.1	218.8	10.7	10.5	0.2	0.98	0.94	0.02	408.6	6.4	63.66	FRWY
(599, 600)	1225	1225	88	8	5.0	318.9	300.3	14.7	14.5	0.2	0.98	0.94	0.02	407.8	6.4	63.70	FRWY
(77,7053)	857	857	0	0	0.5	30.2	28.2	2.0	2.0	0.0	0.99	0.94	0.01	285.7	4.5	64.15	FRWY
(7054, 568)	823	823	52	0	0.7	39.0	43.9	3.0	2.4	0.5	0.82	1.13	0.21	297.0	5.6	53.26	FRWY
(441, 397)	437	438	0	0	0.5	24.7	28.8	4.0	3.7	0.3	0.93	1.17	0.08	437.1	8.5	51.41	RAMP
(626, 627)	1393	1393	32	4	2.0	110.5	122.4	5.3	5.2	0.1	0.99	1.11	0.02	464.0	8.6	54.13	FRWY
(627, 27)	1393	1397	34	0	1.6	84.5	94.5	4.1	4.0	0.1	0.98	1.12	0.03	465.0	8.7	53.68	FRWY
(629, 28)	1042	1047	0	0	1.4	66.9	85.7	4.9	4.2	0.7	0.85	1.28	0.19	1044.6	22.3	46.83	RAMP
(628, 629)	1042	1042	0	0	1.7	68.3	103.6	6.0	5.2	0.7	0.88	1.52	0.18	1042.0	26.3	39.56	RAMP
(631, 30)	1108	1107	0	2	2.1	104.3	124.9	6.8	6.2	0.6	0.91	1.20	0.11	1107.6	22.1	50.06	RAMP
(630, 631)	1112	1108	0	4	1.9	89.9	114.0	6.2	5.8	0.3	0.95	1.27	0.07	1109.6	23.4	47.34	RAMP
(34, 632)	1199	1197	34	3	1.0	53.8	59.8	3.0	2.9	0.1	0.98	1.11	0.02	599.5	11.1	53.98	RAMP
(632, 633)	1197	1197	29	0	1.2	64.4	71.4	3.6	3.5	0.1	0.98	1.11	0.02	598.5	11.1	54.08	RAMP
(635, 54)	277	277	0	0	0.6	33.0	38.8	8.4	7.7	0.7	0.92	1.18	0.09	277.0	5.4	50.96	RAMP
(634, 635)	277	277	0	1	0.6	24.6	35.3	7.6	7.0	0.6	0.92	1.44	0.11	277.4	6.6	41.76	RAMP
(637, 56)	513	513	0	0	1.2	62.9	70.9	8.3	8.1	0.2	0.97	1.13	0.03	513.0	9.6	53.21	RAMP
(636, 637)	513	513	0	0	0.8	43.6	49.4	5.8	5.6	0.2	0.97	1.13	0.03	513.0	9.7	52.97	RAMP
(61, 638)	454	454	0	1	0.7	38.5	42.8	5.7	5.6	0.1	0.98	1.11	0.02	453.3	8.4	53.94	RAMP
(638, 639)	454	454	25	0	0.6	29.1	33.1	4.4	4.2	0.2	0.96	1.14	0.05	266.4	5.1	52.73	RAMP
(62, 640)	999	998	0	1	1.4	76.6	86.9	5.2	5.0	0.2	0.96	1.13	0.04	998.8	18.9	52.91	RAMP
(640, 641)	998	998	46	1	0.8	41.6	49.0	2.9	2.9	0.1	0.98	1.18	0.02	645.7	12.7	50.95	RAMP
(643, 64)	568	568	0	0	1.2	62.8	71.4	7.5	7.3	0.3	0.96	1.14	0.04	568.0	10.8	52.82	RAMP
(642, 643)	568	568	24	0	1.0	51.3	61.4	6.5	5.9	0.6	0.91	1.20	0.10	400.2	8.0	50.15	RAMP

(69, 644)	1451	1451	44	1	1.8	96.4	107.9	4.5	4.4	0.1	0.98	1.12	0.02	725.2	13.5	53.64	RAMP
(644, 645)	1451	1449	17	2	1.3	68.1	79.8	3.3	3.3	0.0	0.99	1.17	0.02	558.2	10.9	51.19	RAMP
(647, 71)	83	83	0	0	0.2	11.1	13.1	9.5	8.8	0.7	0.93	1.18	0.09	83.0	1.6	50.67	RAMP
(646, 647)	84	83	0	3	0.2	7.9	11.5	8.2	7.6	0.6	0.92	1.45	0.11	83.6	2.0	41.44	RAMP
(574, 660)	76	76	0	0	0.1	3.2	3.6	2.8	2.8	0.1	0.97	1.12	0.04	76.0	1.4	53.48	RAMP
(660, 661)	76	76	0	0	0.1	3.0	3.7	2.9	2.8	0.1	0.96	1.20	0.05	76.0	1.5	49.84	RAMP
(663, 576)	1111	1111	19	0	2.2	105.0	134.9	7.3	6.2	1.1	0.85	1.29	0.20	925.5	19.8	46.69	RAMP
(662, 663)	1110	1111	133	0	1.6	70.3	97.1	5.2	4.6	0.7	0.87	1.38	0.18	555.3	12.8	43.40	RAMP
(581, 664)	420	420	0	0	0.9	46.1	51.3	7.3	7.2	0.2	0.98	1.11	0.03	420.0	7.8	53.86	RAMP
(664, 665)	420	421	0	1	0.3	17.9	20.2	2.9	2.8	0.1	0.96	1.13	0.04	420.5	7.9	53.14	RAMP
(667, 583)	316	317	0	1	1.1	51.7	66.1	12.5	10.7	1.8	0.85	1.28	0.19	316.1	6.7	46.92	RAMP
(666, 667)	316	316	0	0	0.4	12.7	22.3	4.2	4.2	0.1	0.98	1.75	0.04	316.0	9.2	34.26	RAMP
(669, 584)	839	839	6	0	1.8	92.8	107.0	7.7	7.3	0.4	0.95	1.15	0.06	716.3	13.8	52.03	RAMP
(668, 669)	839	839	60	0	1.0	50.5	59.6	4.3	4.0	0.3	0.93	1.18	0.08	419.5	8.2	50.89	RAMP
(589, 670)	878	877	0	1	0.7	37.9	43.4	3.0	2.8	0.1	0.95	1.14	0.05	877.7	16.7	52.45	RAMP
(670, 671)	877	877	0	0	0.7	36.0	41.1	2.8	2.7	0.1	0.96	1.14	0.05	877.0	16.7	52.67	RAMP
(673, 592)	402	402	0	0	0.5	24.1	30.3	4.5	3.9	0.6	0.87	1.26	0.16	402.0	8.4	47.70	RAMP
(672, 673)	403	402	0	1	0.6	22.4	33.8	5.0	4.4	0.6	0.89	1.51	0.17	402.9	10.1	39.74	RAMP
(675, 593)	444	444	0	0	0.5	27.9	31.2	4.2	4.1	0.1	0.98	1.12	0.02	444.0	8.3	53.64	RAMP
(674, 675)	444	444	0	0	0.5	26.5	29.8	4.0	3.9	0.1	0.97	1.12	0.03	444.0	8.3	53.37	RAMP
(678, 679)	1287	1286	43	1	2.0	99.9	119.0	5.6	5.5	0.1	0.98	1.19	0.02	643.1	12.8	50.37	RAMP
(684, 685)	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0	0.00	RAMP
(688,7008)	1226	1227	0	1	2.0	76.7	121.8	6.0	5.9	0.1	0.98	1.59	0.03	408.9	10.8	37.78	FRWY

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(7056, 626)	1396	1393	21	7	2.2	116.6	130.1	5.4	5.2	0.1	0.98	1.12	0.03	485.3	9.0	53.79	FRWY
(679,7058)	1286	1286	0	1	1.1	55.3	68.5	3.2	3.1	0.1	0.97	1.24	0.04	642.8	13.3	48.42	RAMP
(7059, 684)	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0	0.00	RAMP
(7060, 628)	1042	1042	0	0	1.4	45.9	81.5	4.3	4.2	0.2	0.96	1.78	0.07	1132.9	33.5	33.78	RAMP
(7061, 630)	1113	1112	0	2	1.6	73.1	97.0	4.9	4.5	0.5	0.90	1.33	0.13	1176.2	26.0	45.20	RAMP
(7062, 674)	444	444	0	0	0.5	27.1	32.4	4.1	3.8	0.4	0.91	1.20	0.10	471.2	9.4	50.18	RAMP
(7063, 672)	402	403	0	0	0.5	17.7	30.8	4.2	4.1	0.1	0.98	1.75	0.04	437.6	12.7	34.38	RAMP
(671,7064)	877	877	0	0	0.6	30.2	34.7	2.4	2.3	0.1	0.95	1.15	0.06	877.0	16.8	52.23	RAMP
(633,7065)	1197	1195	0	2	1.4	75.2	83.5	4.2	4.1	0.1	0.98	1.11	0.02	598.3	11.1	54.04	RAMP
(7066, 634)	277	277	0	0	0.3	11.9	20.4	4.1	4.0	0.1	0.98	1.72	0.03	302.1	8.6	34.98	RAMP
(7067, 636)	513	513	0	0	0.8	38.8	46.9	5.2	4.7	0.5	0.91	1.21	0.11	538.9	10.9	49.63	RAMP
(665,7068)	421	421	0	0	0.3	16.3	19.0	2.7	2.5	0.2	0.93	1.16	0.08	421.0	8.2	51.59	RAMP
(7069, 666)	316	316	0	0	0.3	11.7	19.5	3.3	3.3	0.1	0.98	1.67	0.03	349.7	9.7	35.88	RAMP
(7070, 668)	839	839	436	0	1.0	52.7	61.8	4.2	3.9	0.3	0.93	1.17	0.08	444.4	8.7	51.18	RAMP
(639,7071)	454	454	0	0	0.3	14.2	16.8	2.2	2.0	0.2	0.92	1.19	0.10	227.0	4.5	50.53	RAMP
(7072, 642)	568	568	261	0	0.4	18.7	23.4	2.2	1.9	0.3	0.87	1.25	0.16	318.0	6.6	47.93	RAMP
(641,7073)	998	997	0	1	0.7	32.9	43.2	2.6	2.5	0.1	0.98	1.31	0.03	498.9	10.9	45.66	RAMP
(661,7074)	76	76	0	0	0.1	2.7	3.6	2.9	2.6	0.3	0.90	1.34	0.14	76.0	1.7	44.92	RAMP
(7075, 662)	1110	1110	460	0	1.4	64.3	83.4	4.2	3.9	0.3	0.92	1.30	0.10	591.1	12.8	46.21	RAMP
(645,7076)	1449	1446	0	3	1.3	64.7	80.6	3.3	3.2	0.1	0.97	1.25	0.04	482.4	10.0	48.15	RAMP
(7077, 646)	83	84	0	0	0.1	2.8	4.9	3.1	3.1	0.1	0.98	1.73	0.03	92.7	2.7	34.66	RAMP
(7084, 857)	184	184	0	0	0.1	7.2	8.8	2.6	2.3	0.3	0.89	1.22	0.13	201.9	4.1	49.19	RAMP
(857, 858)	184	184	0	0	0.2	10.9	12.2	4.0	3.8	0.1	0.96	1.12	0.04	184.0	3.4	53.42	RAMP
(859,7085)	337	338	0	0	0.6	30.9	35.0	6.2	6.0	0.2	0.97	1.13	0.04	337.2	6.4	52.91	RAMP

(7086, 860)	26	26	0	0	0.0	2.4	2.6	5.8	5.7	0.1	0.98	1.09	0.02	27.0	0.5	54.80	RAMP
(860, 861)	26	26	0	0	0.0	2.2	2.4	5.6	5.5	0.0	1.00	1.08	0.00	26.0	0.5	55.34	RAMP
(866,7087)	63	63	0	0	0.1	3.6	4.1	3.9	3.8	0.1	0.98	1.12	0.02	63.0	1.2	53.70	RAMP
(873,7088)	69	68	0	1	0.1	7.2	7.8	6.8	6.8	0.0	1.00	1.08	0.00	68.3	1.2	55.42	RAMP
(7089, 874)	57	57	0	0	0.1	3.3	3.8	3.7	3.6	0.2	0.95	1.14	0.05	60.8	1.2	52.69	RAMP
(874, 875)	57	57	0	0	0.1	3.2	3.5	3.7	3.6	0.0	0.99	1.10	0.01	57.0	1.0	54.53	RAMP
(876,7090)	143	141	0	2	0.2	12.7	14.0	5.9	5.8	0.1	0.99	1.10	0.01	142.3	2.6	54.76	RAMP
(7091, 877)	88	88	0	0	0.1	5.2	7.9	5.1	3.7	1.4	0.72	1.52	0.43	93.6	2.4	39.59	RAMP
(877, 878)	88	88	0	0	0.1	5.8	6.7	4.6	4.3	0.3	0.94	1.16	0.07	88.0	1.7	51.82	RAMP
(879, 880)	2002	2000	142	9	7.8	502.8	469.1	13.9	13.7	0.2	0.99	0.93	0.01	1014.9	15.8	64.32	FRWY
(880, 881)	2000	1994	185	15	11.0	704.2	660.7	19.9	19.5	0.4	0.98	0.94	0.02	998.5	15.6	63.95	FRWY
(881, 882)	1994	1995	226	10	9.1	575.0	544.7	16.4	15.9	0.4	0.97	0.95	0.03	998.1	15.8	63.34	FRWY
(882, 883)	1995	1994	173	7	9.0	566.5	539.3	16.2	15.7	0.5	0.97	0.95	0.03	997.1	15.8	63.03	FRWY
(883, 884)	1925	1927	145	5	7.0	438.2	417.5	13.0	12.6	0.4	0.97	0.95	0.03	963.3	15.3	62.98	FRWY
(883, 873)	69	69	0	0	0.1	7.9	8.5	7.4	7.4	0.0	1.00	1.08	0.00	69.0	1.2	55.35	RAMP
(884, 885)	1927	1929	117	5	6.4	404.8	386.1	12.0	11.6	0.4	0.97	0.95	0.03	964.4	15.3	62.90	FRWY
(885, 886)	1929	1928	169	7	8.0	500.4	478.6	14.9	14.4	0.5	0.96	0.96	0.03	964.2	15.4	62.73	FRWY
(886, 887)	1985	1986	258	5	9.0	563.8	541.2	16.4	15.7	0.6	0.96	0.96	0.04	862.9	13.8	62.50	FRWY
(887, 888)	1986	1980	195	14	9.2	579.4	555.0	16.8	16.2	0.6	0.96	0.96	0.04	991.3	15.8	62.64	FRWY
(875, 886)	57	57	0	0	0.1	4.6	5.0	5.3	5.3	0.0	0.99	1.09	0.01	57.0	1.0	54.83	RAMP
(888, 889)	1980	1990	189	6	10.0	628.3	602.9	18.3	17.5	0.7	0.96	0.96	0.04	990.3	15.8	62.53	FRWY
(889, 890)	1990	1988	121	9	6.7	417.1	401.3	12.1	11.6	0.5	0.96	0.96	0.04	995.5	16.0	62.36	FRWY
(890, 891)	1988	1984	227	14	10.5	654.5	631.1	19.1	18.2	0.8	0.96	0.96	0.04	992.5	15.9	62.23	FRWY

(891, 892)	1984	1982	173	7	7.9	491.8	473.8	14.3	13.7	0.6	0.96	0.96	0.04	991.9	15.9	62.28	FRWY
(892, 893)	1982	1975	375	21	18.4	1148.1	1104.6	33.5	32.1	1.4	0.96	0.96	0.04	988.9	15.9	62.36	FRWY
(893, 894)	1975	1983	427	20	21.7	1353.1	1303.9	39.6	37.8	1.7	0.96	0.96	0.04	988.2	15.9	62.26	FRWY
(894, 895)	1983	1974	279	16	13.3	829.9	800.4	24.3	23.2	1.1	0.95	0.96	0.04	989.6	15.9	62.21	FRWY
(895, 896)	1974	1978	427	19	20.8	1292.7	1248.1	37.9	36.1	1.8	0.95	0.97	0.04	988.9	15.9	62.15	FRWY
(896, 897)	1978	1979	471	21	22.2	1382.4	1334.6	40.5	38.7	1.9	0.95	0.97	0.04	987.5	15.9	62.15	FRWY
(897, 898)	1979	1982	271	13	12.3	765.2	738.8	22.4	21.3	1.0	0.95	0.97	0.05	990.2	15.9	62.14	FRWY
(898, 899)	1982	1978	209	12	9.1	562.4	544.0	16.5	15.7	0.8	0.95	0.97	0.05	989.7	16.0	62.03	FRWY
(899, 900)	1915	1911	170	11	9.6	597.0	573.9	18.0	17.2	0.8	0.96	0.96	0.04	956.9	15.3	62.41	FRWY
(899, 866)	63	63	0	0	0.1	7.4	8.2	7.8	7.7	0.1	0.99	1.10	0.01	63.0	1.2	54.34	RAMP
(900, 901)	1911	1900	239	17	11.2	699.2	672.8	21.2	20.2	0.9	0.96	0.96	0.04	953.9	15.3	62.35	FRWY
(901, 902)	2084	2088	422	3	9.7	592.7	580.6	16.7	15.7	1.0	0.94	0.98	0.06	907.1	14.8	61.25	FRWY
(902, 903)	2088	2083	190	7	9.6	596.5	576.1	16.6	15.8	0.8	0.95	0.97	0.05	1042.2	16.8	62.12	FRWY
(858, 901)	184	184	0	0	0.5	27.8	31.2	10.2	9.8	0.3	0.97	1.12	0.04	184.0	3.4	53.45	RAMP
(903, 904)	2083	2074	194	13	11.0	680.7	657.4	19.0	18.1	0.9	0.95	0.97	0.05	1038.1	16.7	62.12	FRWY
(904, 905)	2074	2061	170	16	8.4	523.9	506.2	14.7	14.0	0.7	0.95	0.97	0.05	1032.9	16.6	62.10	FRWY
(906, 907)	2496	2496	152	10	10.1	647.4	607.9	14.4	14.2	0.2	0.98	0.94	0.02	1265.1	19.8	63.90	FRWY
(907, 908)	2496	2490	366	18	15.2	963.4	914.0	22.0	21.4	0.6	0.97	0.95	0.02	1247.3	19.7	63.24	FRWY
(908, 909)	2490	2488	240	12	11.4	707.3	683.7	16.5	15.8	0.7	0.96	0.97	0.04	1244.8	20.1	62.07	FRWY
(909, 910)	2151	2159	204	4	8.6	540.2	517.5	14.4	13.9	0.5	0.96	0.96	0.04	1077.1	17.2	62.63	FRWY
(909, 859)	337	337	0	0	0.9	48.6	54.2	9.7	9.5	0.1	0.98	1.11	0.02	337.0	6.3	53.81	RAMP
(910, 911)	2159	2157	211	12	10.4	651.6	624.3	17.3	16.7	0.6	0.96	0.96	0.04	1079.9	17.2	62.62	FRWY
(911, 912)	2157	2159	189	7	9.6	598.5	573.7	15.9	15.3	0.6	0.96	0.96	0.04	1079.9	17.3	62.59	FRWY
(861, 912)	26	26	0	0	0.0	2.5	2.7	6.2	6.2	0.0	1.00	1.08	0.00	26.0	0.5	55.43	RAMP

(912, 913)	2185	2191	215	8	10.0	622.3	598.9	16.4	15.7	0.7	0.96	0.96	0.04	952.4	15.3	62.35	FRWY
(913, 914)	2191	2197	215	8	10.5	652.5	628.9	17.2	16.5	0.7	0.96	0.96	0.04	1095.9	17.6	62.26	FRWY
(914, 915)	2197	2191	383	24	20.7	1287.4	1244.9	34.0	32.5	1.6	0.95	0.97	0.04	1097.4	17.7	62.05	FRWY
(915, 916)	2191	2180	424	21	20.9	1293.8	1253.7	34.4	32.7	1.6	0.95	0.97	0.05	1094.1	17.7	61.92	FRWY
(916, 917)	2180	2180	371	20	19.0	1174.8	1139.8	31.3	29.7	1.5	0.95	0.97	0.05	1093.2	17.7	61.84	FRWY
(917, 918)	2180	2178	301	18	14.8	915.0	888.3	24.5	23.3	1.2	0.95	0.97	0.05	1088.1	17.6	61.81	FRWY
(918, 919)	2178	2194	369	7	19.2	1186.7	1153.2	31.6	30.0	1.6	0.95	0.97	0.05	1095.8	17.7	61.74	FRWY
(919, 920)	2194	2198	383	19	20.0	1233.8	1199.9	32.8	31.1	1.7	0.95	0.97	0.05	1098.2	17.8	61.69	FRWY
(920, 921)	2198	2199	244	11	12.2	754.9	734.6	20.0	19.0	1.0	0.95	0.97	0.05	1099.2	17.8	61.66	FRWY
(921, 922)	2199	2197	210	15	11.7	718.8	700.1	19.1	18.1	1.0	0.95	0.97	0.05	1098.8	17.8	61.60	FRWY
(922, 923)	2197	2196	224	14	11.7	722.7	704.1	19.3	18.2	1.0	0.95	0.97	0.05	1097.1	17.8	61.58	FRWY
(923, 924)	2196	2198	268	9	13.2	812.6	790.6	21.6	20.5	1.1	0.95	0.97	0.05	1097.9	17.8	61.67	FRWY
(924, 925)	2198	2191	246	20	12.5	767.7	751.5	20.5	19.4	1.1	0.94	0.98	0.05	1099.1	17.9	61.29	FRWY
(925, 926)	2047	2049	231	10	13.4	828.3	805.4	23.6	22.4	1.2	0.95	0.97	0.05	1024.2	16.6	61.70	FRWY
(925, 876)	144	143	0	1	0.4	21.8	23.8	10.0	9.9	0.1	0.99	1.09	0.01	143.2	2.6	55.00	RAMP
(926, 927)	2049	2041	172	11	9.9	607.4	591.0	17.4	16.5	0.9	0.95	0.97	0.05	1021.4	16.6	61.67	FRWY
(878, 927)	88	89	0	0	0.1	5.0	5.5	3.7	3.7	0.0	0.99	1.10	0.01	89.0	1.6	54.39	RAMP
(927, 928)	2130	2131	265	7	9.9	605.3	591.6	16.7	15.7	0.9	0.94	0.98	0.05	926.4	15.1	61.40	FRWY
(928, 929)	2131	2120	159	13	9.1	561.2	546.4	15.4	14.6	0.8	0.95	0.97	0.05	1062.1	17.2	61.62	FRWY
(929, 930)	2120	2111	205	12	11.2	690.9	672.0	19.1	18.1	1.0	0.95	0.97	0.05	1058.0	17.2	61.69	FRWY
(930, 931)	2111	2102	143	10	7.5	459.0	447.2	12.7	12.1	0.7	0.95	0.97	0.05	1053.7	17.1	61.58	FRWY
(407, 369)	2884	2876	364	18	14.6	754.6	875.4	18.2	17.2	1.0	0.94	1.16	0.07	1442.5	27.9	51.72	RAMP
(162, 165)	3485	3487	406	8	9.5	607.1	571.7	9.6	9.5	0.2	0.98	0.94	0.02	889.5	14.0	63.72	FRWY

(165, 166)	3487	3490	75	7	7.8	495.7	465.0	8.0	7.9	0.1	0.99	0.94	0.01	872.5	13.6	63.97	FRWY
(386, 167)	4169	4168	577	9	9.7	591.9	579.2	8.3	7.9	0.4	0.95	0.98	0.05	905.8	14.8	61.32	FRWY
(167, 168)	4168	4167	206	8	9.6	592.0	574.9	8.3	7.9	0.4	0.95	0.97	0.05	1042.0	16.9	61.78	FRWY
(168, 169)	4167	4167	218	7	10.2	634.5	613.4	8.8	8.5	0.4	0.96	0.97	0.04	1041.7	16.8	62.06	FRWY
(404, 170)	205	205	0	0	0.2	11.1	12.3	3.6	3.6	0.0	0.99	1.10	0.01	205.0	3.8	54.40	RAMP
(7018, 171)	392	392	0	0	0.3	15.1	20.9	2.9	2.5	0.4	0.87	1.38	0.17	431.9	9.9	43.49	RAMP
(171, 172)	392	392	0	0	0.3	13.7	17.1	2.6	2.5	0.1	0.97	1.24	0.04	392.0	8.1	48.32	RAMP
(172, 387)	392	392	0	0	0.3	14.7	17.7	2.7	2.5	0.2	0.91	1.20	0.11	392.0	7.9	49.89	RAMP
(7020, 174)	344	345	0	0	0.3	15.5	20.3	3.3	3.0	0.3	0.92	1.31	0.11	373.1	8.2	45.68	RAMP
(174, 175)	345	345	0	1	0.3	15.8	19.2	3.3	3.3	0.0	0.99	1.22	0.01	344.4	7.0	49.29	RAMP
(175, 386)	345	344	0	1	0.4	18.7	21.6	3.8	3.6	0.2	0.95	1.16	0.06	344.6	6.7	51.81	RAMP
(385, 173)	414	414	0	0	0.4	20.2	22.7	3.3	3.2	0.1	0.97	1.12	0.03	414.0	7.8	53.36	RAMP
(173,7019)	414	414	0	0	0.4	18.9	22.4	3.2	3.2	0.1	0.98	1.18	0.03	414.0	8.2	50.64	RAMP
(170,7017)	205	205	0	0	0.2	10.9	12.7	3.7	3.7	0.1	0.98	1.17	0.02	205.0	4.0	51.22	RAMP
(151, 344)	794	797	5	0	1.8	91.6	105.5	8.0	7.5	0.4	0.95	1.15	0.06	785.3	15.1	52.09	RAMP
(344,7026)	797	796	0	1	0.7	31.5	42.2	3.2	2.8	0.4	0.88	1.34	0.17	398.2	8.9	44.77	RAMP
(7007, 208)	135	135	0	0	0.1	4.8	7.5	3.0	2.5	0.4	0.85	1.57	0.23	150.7	4.0	38.14	RAMP
(209, 180)	134	134	0	0	0.1	7.1	8.3	3.7	3.5	0.2	0.94	1.17	0.08	134.0	2.6	51.19	RAMP
(396, 397)	3385	3380	1394	27	18.0	1126.0	1080.4	19.2	18.5	0.7	0.96	0.96	0.03	845.5	13.5	62.54	FRWY
(399, 402)	1330	1334	316	5	6.6	343.3	393.1	17.7	16.9	0.8	0.95	1.15	0.05	815.7	15.6	52.40	RAMP
(559, 407)	2881	2884	93	7	5.5	250.0	327.5	6.8	6.3	0.6	0.92	1.31	0.11	1441.3	31.5	45.81	FRWY
(370, 416)	419	419	0	1	0.5	24.5	27.6	4.0	3.8	0.1	0.97	1.13	0.04	419.0	7.9	53.26	RAMP
(403, 310)	1332	1334	201	2	4.3	187.6	255.6	11.5	9.2	2.3	0.80	1.36	0.27	1050.3	23.9	44.03	RAMP
(383, 314)	1426	1423	0	5	5.8	275.5	348.4	14.7	12.7	2.0	0.86	1.26	0.17	1425.9	30.1	47.44	RAMP

(381, 315)	420	421	0	0	0.4	21.0	24.8	3.5	3.3	0.3	0.92	1.18	0.09	420.0	8.3	50.75	RAMP
(380, 381)	420	420	0	1	0.4	20.9	25.6	3.7	3.6	0.1	0.98	1.23	0.03	420.7	8.6	48.91	RAMP
(7029, 380)	421	420	0	2	0.6	26.0	33.4	4.5	4.2	0.3	0.93	1.28	0.09	447.1	9.6	46.71	RAMP
(316, 309)	1634	1632	0	4	1.7	86.3	104.9	3.9	3.5	0.4	0.90	1.22	0.12	1633.7	33.1	49.37	RAMP
(349, 352)	522	524	0	0	1.4	70.1	86.6	9.9	9.7	0.3	0.97	1.23	0.03	523.1	10.8	48.59	FRWY
(352,7027)	524	525	0	0	0.4	16.8	21.8	2.5	2.3	0.2	0.92	1.30	0.10	524.5	11.4	46.15	FRWY
(346, 347)	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0	0.00	FRWY
(599, 678)	1289	1287	77	2	1.8	96.9	108.4	5.0	4.9	0.1	0.97	1.12	0.03	644.1	12.0	53.62	RAMP
(685, 601)	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0	0.00	RAMP
(603, 688)	1225	1226	38	1	3.5	181.0	209.0	10.2	10.1	0.1	0.99	1.15	0.01	408.8	7.9	51.96	FRWY
(382, 383)	1424	1426	0	0	1.2	52.4	72.0	3.0	2.0	1.0	0.67	1.38	0.45	1424.8	32.7	43.60	RAMP
(368, 369)	1054	1052	518	8	7.6	453.9	454.2	25.9	24.0	1.9	0.93	1.00	0.07	395.8	6.6	59.96	FRWY
(407, 411)	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0	0.00	FRWY
(406, 412)	571	571	13	0	0.9	37.3	53.8	5.7	5.3	0.4	0.93	1.44	0.10	505.1	12.1	41.62	RAMP
(412,7041)	571	571	0	0	0.6	21.5	37.3	3.9	3.0	0.9	0.78	1.73	0.39	285.5	8.2	34.65	RAMP
(7042, 414)	569	568	0	1	0.6	27.1	38.4	3.8	3.5	0.2	0.95	1.42	0.08	614.3	14.5	42.36	RAMP
(414, 415)	568	570	0	0	0.4	19.4	25.7	2.7	2.5	0.2	0.91	1.32	0.11	569.6	12.6	45.32	RAMP
(415, 307)	570	570	0	1	0.6	30.1	35.7	3.8	3.5	0.3	0.93	1.19	0.09	570.1	11.3	50.57	RAMP
(7013, 8)	673	674	0	1	0.8	25.6	45.2	3.7	1.9	1.7	0.52	1.77	0.84	741.6	21.9	33.91	RAMP
(8, 132)	674	672	0	2	0.5	22.6	30.6	2.7	1.9	0.9	0.69	1.36	0.43	672.9	15.2	44.27	RAMP

CENTENNIAL 2018 NO-BUILD PM PEAK

NETWORK STATISTICS

VEHICLE-MILES = 185047.4, VEHICLE-MINUTES = 187762.1, MOVING/TOTAL TRIP TIME = 0.933,

AVERAGE CONTENT = 3129.4, CURRENT CONTENT = 3151.0, SPEED(MPH) = 59.13,

TOTAL DELAY (VEH-MIN) = 12567.19, TRAVEL TIME (MIN)/VEH-MILE = 1.01, DELAY TIME (MIN)/ VEH-MILE = 0.07

LINK STATISTICS BY LANE

(SOME STATISTICS APPLY TO HOV LANES ONLY)

LINK	VEHICLES LANE	VEHICLES TYPE	CURR IN	VOLUME OUT	VOLUME OF CONT	VOLUME OF VEH/HR	TOTAL VIOLATORS	SEC./VEHICLE MOVE TIME	SEC./VEHICLE TOTAL TIME	SEC./PERSON MOVE TIME	SEC./PERSON DELAY TIME	SEC./PERSON TOTAL TIME	SPEED TIME	MILES/HR
(153, 96)	1	SOV	---	---	3	880.3	-----	14.7	13.6	1.2	11.4	10.5	0.9	60.26
(153, 96)	2	SOV	---	---	12	1929.4	-----	15.1	14.1	0.9	11.7	10.9	0.7	58.84
(153, 96)	3	SOV	---	---	8	1421.5	-----	14.1	13.6	0.5	10.9	10.5	0.4	62.95
(153, 96)	4	SOV	---	---	3	960.4	-----	13.7	13.3	0.4	10.5	10.2	0.3	64.85
(153, 96)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(153, 96)	9	SOV	---	---	5	1465.8	-----	15.0	14.3	0.7	11.6	11.0	0.6	58.97
(563, 98)	1	SOV	---	---	5	1989.8	-----	17.9	16.0	1.9	13.8	12.3	1.5	57.19
(563, 98)	2	SOV	---	---	4	1200.1	-----	17.8	16.2	1.6	13.8	12.5	1.3	57.43
(563, 98)	3	SOV	---	---	5	1030.7	-----	16.2	15.7	0.5	12.5	12.1	0.4	63.03
(563, 98)	4	SOV	---	---	0	852.4	-----	15.7	15.2	0.5	12.1	11.7	0.4	64.98
(563, 98)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(154, 101)	1	SOV	---	---	5	531.4	-----	29.7	29.1	0.6	23.1	22.6	0.4	65.26
(154, 101)	2	SOV	---	---	11	1046.4	-----	30.6	29.9	0.6	23.7	23.2	0.5	63.35
(154, 101)	3	SOV	---	---	7	931.7	-----	30.2	29.6	0.6	23.3	22.9	0.4	64.19
(154, 101)	4	SOV	---	---	6	1004.4	-----	30.8	30.1	0.7	23.7	23.2	0.5	62.84
(154, 101)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(103, 104)	1	SOV	---	---	4	1950.8	-----	14.7	8.4	6.3	11.4	6.5	4.9	36.99
(103, 104)	2	SOV	---	---	4	1773.6	-----	9.7	8.4	1.3	7.5	6.5	1.0	56.12
(103, 104)	3	SOV	---	---	2	1257.2	-----	8.6	8.3	0.4	6.7	6.4	0.3	63.14
(103, 104)	4	SOV	---	---	1	870.2	-----	8.7	8.4	0.3	6.7	6.5	0.2	62.55
(103, 104)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(103, 104)	9	SOV	---	---	0	241.0	-----	17.4	13.6	3.7	13.4	10.6	2.9	31.42
(158, 105)	1	SOV	---	---	15	2907.6	-----	19.4	16.0	3.5	15.0	12.4	2.7	52.59
(158, 105)	2	SOV	---	---	13	2063.4	-----	17.4	15.9	1.5	13.5	12.3	1.2	58.71
(158, 105)	3	SOV	---	---	10	1546.7	-----	16.2	15.6	0.6	12.5	12.0	0.5	63.30

(158, 105)	4	SOV	---	---	7	1008.0	-----	16.0	15.5	0.5	12.3	12.0	0.4	63.86
(158, 105)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(128, 97)	1	SOV	---	---	4	814.1	-----	23.2	22.6	0.6	17.9	17.5	0.5	64.39
(128, 97)	2	SOV	---	---	7	1333.0	-----	25.0	24.1	0.9	19.4	18.7	0.7	59.78
(128, 97)	3	SOV	---	---	7	1305.0	-----	23.5	22.9	0.6	18.1	17.7	0.5	63.57
(128, 97)	4	SOV	---	---	6	1002.3	-----	23.0	22.3	0.7	17.7	17.2	0.5	65.09
(128, 97)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(156, 102)	1	SOV	---	---	12	2109.8	-----	15.3	13.8	1.5	11.8	10.7	1.1	57.93
(156, 102)	2	SOV	---	---	9	1363.9	-----	14.4	13.6	0.8	11.1	10.5	0.6	61.66
(156, 102)	3	SOV	---	---	4	1053.7	-----	13.8	13.5	0.3	10.7	10.4	0.3	64.15
(156, 102)	4	SOV	---	---	2	808.4	-----	14.2	13.8	0.4	10.9	10.6	0.3	62.49
(156, 102)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(109,7001)	1	SOV	---	---	2	1254.0	-----	2.2	2.2	0.1	1.7	1.7	0.0	52.17
(109,7001)	2	SOV	---	---	0	527.0	-----	2.1	2.0	0.0	1.6	1.6	0.0	55.87
(102, 103)	1	SOV	---	---	11	1262.0	-----	25.6	24.0	1.6	19.8	18.6	1.2	60.55
(102, 103)	2	SOV	---	---	6	1433.4	-----	24.8	23.8	1.0	19.2	18.4	0.8	62.54
(102, 103)	3	SOV	---	---	8	1143.9	-----	24.1	23.5	0.6	18.6	18.2	0.4	64.30
(102, 103)	4	SOV	---	---	8	816.0	-----	24.7	24.0	0.7	19.0	18.5	0.5	62.64
(102, 103)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(160,7002)	1	SOV	---	---	1	666.5	-----	2.7	2.7	0.1	2.1	2.1	0.0	53.54
(160,7002)	2	SOV	---	---	0	7.0	-----	2.8	2.6	0.2	2.2	2.0	0.2	51.29
(7003, 106)	1	SOV	---	---	0	697.3	-----	8.6	6.5	2.1	6.7	5.0	1.7	34.70
(7003, 106)	2	SOV	---	---	0	810.8	-----	9.0	6.4	2.6	7.0	5.0	2.0	33.26
(106, 103)	1	SOV	---	---	0	1185.0	-----	11.5	7.8	3.7	8.8	6.0	2.8	36.53
(106, 103)	2	SOV	---	---	0	260.9	-----	18.4	8.7	9.8	14.2	6.7	7.6	22.69
(7004, 107)	1	SOV	---	---	1	879.3	-----	4.2	3.0	1.2	3.2	2.3	0.9	41.29
(7004, 107)	2	SOV	---	---	0	670.8	-----	3.9	3.1	0.8	3.0	2.4	0.6	44.63
(107, 104)	1	SOV	---	---	1	885.2	-----	9.5	6.4	3.1	7.3	4.9	2.4	35.47
(107, 104)	2	SOV	---	---	2	552.5	-----	9.4	6.2	3.2	7.3	4.8	2.4	35.91
(110, 109)	1	SOV	---	---	2	1279.1	-----	2.4	2.3	0.1	1.9	1.8	0.1	52.44
(110, 109)	2	SOV	---	---	1	505.2	-----	2.3	2.2	0.1	1.8	1.7	0.0	55.81
(96, 110)	1	SOV	---	---	2	1328.1	-----	1.7	1.7	0.1	1.3	1.3	0.0	52.45
(96, 110)	2	SOV	---	---	0	458.0	-----	1.6	1.6	0.0	1.3	1.2	0.0	55.81
(127, 97)	1	SOV	---	---	7	532.9	-----	11.2	7.7	3.5	8.7	6.0	2.7	36.05
(127, 97)	2	SOV	---	---	2	63.7	-----	21.4	8.0	13.4	16.5	6.2	10.4	18.88

(96, 128)	1	SOV	---	---	5	1024.8	-----	16.5	15.9	0.6	12.7	12.2	0.5	61.98
(96, 128)	2	SOV	---	---	8	1557.2	-----	17.0	16.3	0.7	13.2	12.7	0.5	59.99
(96, 128)	3	SOV	---	---	4	1334.3	-----	16.0	15.6	0.4	12.4	12.0	0.3	63.77
(96, 128)	4	SOV	---	---	4	947.9	-----	15.7	15.3	0.4	12.1	11.7	0.3	65.08
(96, 128)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(128, 129)	1	SOV	---	---	0	129.4	-----	11.6	11.3	0.4	9.0	8.7	0.3	53.05
(128, 129)	2	SOV	---	---	2	278.9	-----	11.8	11.3	0.5	9.1	8.7	0.4	52.13
(132, 130)	1	SOV	---	---	9	1912.1	-----	9.9	8.3	1.6	7.7	6.4	1.2	53.99
(132, 130)	2	SOV	---	---	4	1817.4	-----	8.9	8.3	0.5	6.9	6.5	0.4	60.18
(132, 130)	3	SOV	---	---	3	1481.9	-----	8.5	8.2	0.3	6.5	6.3	0.2	63.23
(132, 130)	4	SOV	---	---	1	1117.1	-----	8.4	8.1	0.3	6.5	6.2	0.2	63.83
(132, 130)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(132, 130)	9	SOV	---	---	0	74.6	-----	13.3	10.0	3.3	10.3	7.7	2.6	40.13
(131, 130)	1	SOV	---	---	0	257.0	-----	3.1	2.9	0.2	2.4	2.2	0.1	50.43
(151, 132)	1	SOV	---	---	2	1466.4	-----	16.9	15.9	1.1	13.1	12.3	0.8	60.03
(151, 132)	2	SOV	---	---	8	1767.7	-----	16.6	15.8	0.8	12.9	12.3	0.6	61.21
(151, 132)	3	SOV	---	---	7	1436.6	-----	16.1	15.5	0.5	12.4	12.0	0.4	63.27
(151, 132)	4	SOV	---	---	7	1064.1	-----	15.9	15.4	0.6	12.3	11.8	0.5	63.79
(151, 132)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(105, 137)	1	SOV	---	---	7	1521.0	-----	14.9	13.0	1.9	11.6	10.1	1.5	56.09
(105, 137)	2	SOV	---	---	10	2120.4	-----	14.1	13.1	1.0	10.9	10.1	0.8	59.36
(105, 137)	3	SOV	---	---	8	1630.1	-----	13.3	12.8	0.5	10.2	9.8	0.4	63.24
(105, 137)	4	SOV	---	---	3	1115.4	-----	13.1	12.7	0.4	10.1	9.8	0.3	63.81
(105, 137)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(98, 138)	1	SOV	---	---	2	1309.8	-----	6.7	6.4	0.3	5.2	4.9	0.3	52.05
(98, 138)	2	SOV	---	---	0	0.2	-----	8.0	-2.9	10.9	6.2	-2.2	8.4	43.89
(138, 139)	1	SOV	---	---	1	1242.3	-----	2.6	2.5	0.1	2.0	1.9	0.1	53.04
(138, 139)	2	SOV	---	---	0	67.5	-----	2.6	2.3	0.3	2.1	1.8	0.3	51.50
(141, 140)	1	SOV	---	---	0	337.5	-----	11.3	6.0	5.4	8.7	4.6	4.1	25.47
(141, 140)	2	SOV	---	---	0	1469.2	-----	8.4	5.2	3.3	6.5	4.0	2.5	34.21
(140, 101)	1	SOV	---	---	3	1761.4	-----	11.6	9.3	2.3	9.0	7.2	1.8	43.85
(140, 101)	2	SOV	---	---	0	68.7	-----	13.1	13.1	0.0	10.1	10.1	0.0	38.79
(105, 143)	1	SOV	---	---	2	1123.7	-----	4.1	3.8	0.2	3.1	3.0	0.2	52.01
(7005, 127)	1	SOV	---	---	1	474.4	-----	2.6	1.3	1.3	2.0	1.0	1.0	26.85
(7005, 127)	2	SOV	---	---	1	244.7	-----	2.1	1.4	0.7	1.6	1.1	0.6	33.09

(129,7006)	1	SOV	---	---	0	35.0	-----	3.9	3.3	0.6	3.0	2.6	0.5	40.95
(129,7006)	2	SOV	---	---	0	373.0	-----	3.9	3.4	0.4	3.0	2.6	0.3	41.79
(147, 148)	1	SOV	---	---	2	876.3	-----	6.1	5.7	0.4	4.7	4.4	0.3	46.67
(148, 137)	1	SOV	---	---	0	875.0	-----	4.2	3.9	0.3	3.2	3.0	0.3	49.68
(163, 149)	1	SOV	---	---	9	954.7	-----	33.5	32.7	0.7	26.0	25.4	0.6	64.13
(163, 149)	2	SOV	---	---	11	1282.7	-----	33.9	33.2	0.7	26.3	25.7	0.5	63.32
(163, 149)	3	SOV	---	---	9	1136.9	-----	33.4	32.9	0.6	25.9	25.4	0.4	64.25
(163, 149)	4	SOV	---	---	11	1241.8	-----	34.0	33.4	0.6	26.1	25.7	0.5	63.21
(163, 149)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(311, 150)	1	SOV	---	---	8	2415.1	-----	9.3	8.3	1.0	7.2	6.4	0.8	57.21
(311, 150)	2	SOV	---	---	6	1764.2	-----	8.7	8.3	0.4	6.8	6.4	0.3	60.97
(311, 150)	3	SOV	---	---	3	1370.6	-----	8.4	8.2	0.3	6.5	6.3	0.2	63.18
(311, 150)	4	SOV	---	---	2	981.4	-----	8.4	8.1	0.3	6.4	6.2	0.2	63.79
(311, 150)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(152, 153)	1	SOV	---	---	1	917.2	-----	2.7	2.3	0.3	2.1	1.8	0.3	51.41
(152, 153)	2	SOV	---	---	1	2150.0	-----	2.5	2.1	0.4	1.9	1.6	0.3	54.89
(152, 153)	3	SOV	---	---	0	1238.3	-----	2.2	2.0	0.2	1.7	1.6	0.1	61.44
(152, 153)	4	HOV	0	902	0	659.2	659.2	2.1	2.0	0.1	1.6	1.6	0.1	64.44
(152, 153)	9	SOV	---	---	0	1691.3	-----	2.3	2.1	0.2	1.8	1.6	0.1	59.26
(130, 152)	1	SOV	---	---	12	1840.8	-----	15.5	13.7	1.8	12.0	10.6	1.4	57.13
(130, 152)	2	SOV	---	---	12	2259.8	-----	15.4	13.8	1.6	11.9	10.7	1.2	57.48
(130, 152)	3	SOV	---	---	5	1484.7	-----	14.1	13.5	0.6	10.9	10.4	0.4	62.79
(130, 152)	4	SOV	---	---	5	1052.8	-----	13.8	13.4	0.5	10.7	10.3	0.4	64.02
(130, 152)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(130, 152)	9	SOV	---	---	0	17.2	-----	20.2	11.9	8.3	15.6	9.2	6.4	43.92
(100, 154)	1	SOV	---	---	2	495.5	-----	17.2	17.1	0.1	13.4	13.3	0.1	65.66
(100, 154)	2	SOV	---	---	4	1123.5	-----	17.7	17.4	0.2	13.7	13.5	0.2	64.08
(100, 154)	3	SOV	---	---	4	851.0	-----	17.5	17.3	0.2	13.5	13.4	0.1	64.69
(100, 154)	4	SOV	---	---	7	1082.9	-----	17.7	17.5	0.2	13.6	13.5	0.1	63.84
(100, 154)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(101, 155)	1	SOV	---	---	13	1861.3	-----	16.9	13.6	3.3	13.1	10.5	2.6	52.30
(101, 155)	2	SOV	---	---	8	1335.7	-----	14.7	13.6	1.1	11.4	10.6	0.9	60.14
(101, 155)	3	SOV	---	---	5	1079.4	-----	13.9	13.5	0.4	10.8	10.4	0.3	63.67
(101, 155)	4	SOV	---	---	2	957.2	-----	14.2	13.8	0.4	11.0	10.6	0.3	62.23
(101, 155)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(101, 155)	9	SOV	---	---	4	96.5	-----	25.2	18.8	6.4	19.5	14.6	5.0	35.11
(155, 156)	1	SOV	---	---	1	1929.9	-----	2.3	2.1	0.2	1.8	1.6	0.1	59.59

(155, 156)	2	SOV	---	---	1	1445.7	-----	2.2	2.1	0.1	1.7	1.6	0.1	61.98
(155, 156)	3	SOV	---	---	1	1112.8	-----	2.1	2.1	0.1	1.7	1.6	0.0	63.78
(155, 156)	4	SOV	---	---	0	847.2	-----	2.2	2.1	0.1	1.7	1.6	0.0	62.30
(155, 156)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(104, 157)	1	SOV	---	---	24	2581.0	-----	24.2	15.9	8.3	18.7	12.3	6.4	42.25
(104, 157)	2	SOV	---	---	12	2228.6	-----	18.8	15.9	2.9	14.5	12.3	2.2	54.43
(104, 157)	3	SOV	---	---	7	1569.8	-----	16.6	15.5	1.0	12.8	12.0	0.8	61.72
(104, 157)	4	SOV	---	---	3	1009.6	-----	16.3	15.7	0.7	12.6	12.1	0.5	62.59
(104, 157)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(104, 157)	9	SOV	---	---	5	151.2	-----	28.5	25.5	3.0	22.0	19.7	2.4	35.84
(157, 158)	1	SOV	---	---	2	3035.7	-----	2.6	2.1	0.5	2.0	1.6	0.4	51.92
(157, 158)	2	SOV	---	---	2	2066.9	-----	2.3	2.1	0.2	1.8	1.6	0.2	58.69
(157, 158)	3	SOV	---	---	1	1483.8	-----	2.2	2.1	0.1	1.7	1.6	0.1	63.03
(157, 158)	4	SOV	---	---	1	943.9	-----	2.1	2.1	0.1	1.7	1.6	0.1	63.54
(157, 158)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(137, 159)	1	SOV	---	---	18	2680.7	-----	21.3	9.8	11.5	16.5	7.6	8.9	29.84
(137, 159)	2	SOV	---	---	12	2096.8	-----	13.4	9.9	3.5	10.4	7.7	2.7	47.32
(137, 159)	3	SOV	---	---	5	1393.6	-----	10.5	9.7	0.8	8.1	7.5	0.6	60.63
(137, 159)	4	SOV	---	---	2	874.3	-----	9.9	9.6	0.3	7.6	7.4	0.3	64.18
(137, 159)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(137, 159)	9	SOV	---	---	2	196.1	-----	20.5	16.1	4.3	15.8	12.5	3.3	31.08
(150, 151)	1	SOV	---	---	2	2335.6	-----	8.6	7.7	0.9	6.7	6.0	0.7	56.83
(150, 151)	2	SOV	---	---	2	1780.5	-----	8.0	7.6	0.4	6.2	5.9	0.3	61.20
(150, 151)	3	SOV	---	---	2	1405.2	-----	7.7	7.5	0.3	6.0	5.8	0.2	63.18
(150, 151)	4	SOV	---	---	0	1004.4	-----	7.7	7.4	0.3	5.9	5.7	0.2	63.73
(150, 151)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(325, 95)	1	SOV	---	---	16	1289.6	-----	36.8	34.9	1.9	28.5	27.0	1.5	60.74
(325, 95)	2	SOV	---	---	16	1302.3	-----	36.3	35.0	1.4	28.1	27.1	1.0	61.54
(325, 95)	3	SOV	---	---	14	1145.6	-----	35.4	34.5	0.9	27.3	26.6	0.7	63.11
(325, 95)	4	SOV	---	---	14	1017.2	-----	34.7	33.6	1.1	26.7	25.9	0.8	64.38
(325, 95)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(102, 160)	1	SOV	---	---	0	672.5	-----	5.4	5.2	0.2	4.2	4.0	0.1	53.17
(102, 160)	2	SOV	---	---	0	0.6	-----	6.2	3.8	2.3	4.8	3.0	1.8	46.31
(98, 99)	1	SOV	---	---	5	857.2	-----	24.7	23.7	1.0	19.1	18.3	0.8	61.91
(98, 99)	2	SOV	---	---	2	1056.0	-----	25.4	24.3	1.0	19.7	18.8	0.8	60.35
(98, 99)	3	SOV	---	---	6	1021.5	-----	24.1	23.5	0.6	18.6	18.1	0.4	63.53
(98, 99)	4	SOV	---	---	1	833.7	-----	23.6	22.9	0.7	18.1	17.6	0.5	64.92
(98, 99)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(99, 164)	1	SOV	---	---	2	886.2	-----	16.1	15.6	0.5	12.5	12.1	0.4	62.68

(99, 164)	2	SOV	---	---	5	1005.3	-----	16.6	16.1	0.5	12.9	12.5	0.4	60.85
(99, 164)	3	SOV	---	---	3	1037.9	-----	15.9	15.5	0.4	12.3	12.0	0.3	63.55
(99, 164)	4	SOV	---	---	3	842.7	-----	15.6	15.1	0.5	12.0	11.6	0.4	64.78
(99, 164)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(295, 200)	1	SOV	---	---	2	606.6	-----	8.4	8.3	0.1	6.5	6.4	0.0	47.66
(295, 200)	2	SOV	---	---	0	700.6	-----	8.4	8.4	0.1	6.5	6.5	0.1	47.31
(295, 200)	9	SOV	---	---	0	37.0	-----	8.9	8.6	0.3	6.9	6.6	0.2	45.02
(203, 201)	1	SOV	---	---	1	709.3	-----	1.8	1.7	0.0	1.4	1.3	0.0	63.34
(203, 201)	2	SOV	---	---	0	784.3	-----	1.8	1.7	0.0	1.4	1.3	0.0	63.28
(200, 199)	1	SOV	---	---	1	556.5	-----	6.7	6.6	0.1	5.2	5.1	0.0	44.63
(200, 199)	2	SOV	---	---	1	723.4	-----	6.7	6.7	0.1	5.2	5.1	0.1	44.12
(179, 178)	1	SOV	---	---	0	406.2	-----	6.3	6.2	0.1	4.9	4.8	0.1	53.92
(179, 178)	2	SOV	---	---	0	430.0	-----	6.2	6.1	0.1	4.8	4.7	0.1	54.73
(180, 179)	1	SOV	---	---	3	409.8	-----	12.6	12.5	0.2	9.8	9.6	0.1	53.91
(180, 179)	2	SOV	---	---	2	422.0	-----	12.4	12.3	0.1	9.6	9.5	0.1	54.78
(180, 179)	9	SOV	---	---	0	6.3	-----	13.0	12.4	0.6	10.1	9.6	0.5	52.33
(181, 180)	1	SOV	---	---	0	285.9	-----	6.3	6.2	0.1	4.8	4.8	0.0	54.08
(181, 180)	2	SOV	---	---	0	418.1	-----	6.2	6.1	0.0	4.8	4.7	0.0	54.88
(199, 198)	1	SOV	---	---	1	554.4	-----	8.4	8.2	0.2	6.5	6.3	0.1	44.60
(199, 198)	2	SOV	---	---	1	729.0	-----	8.5	8.3	0.2	6.6	6.4	0.2	43.91
(198, 197)	1	SOV	---	---	3	740.8	-----	15.8	15.1	0.8	12.2	11.7	0.6	52.20
(198, 197)	2	SOV	---	---	3	732.4	-----	16.0	15.3	0.7	12.4	11.8	0.6	51.59
(198, 197)	9	SOV	---	---	0	6.7	-----	18.6	18.0	0.6	14.3	13.8	0.5	44.54
(197, 196)	1	SOV	---	---	8	1001.2	-----	19.4	18.7	0.7	15.0	14.4	0.5	52.79
(197, 196)	2	SOV	---	---	2	808.4	-----	19.2	18.8	0.4	14.8	14.5	0.3	53.27
(197, 196)	9	SOV	---	---	0	10.5	-----	23.5	21.3	2.3	18.2	16.5	1.8	43.45
(196, 195)	1	SOV	---	---	13	944.2	-----	33.3	32.2	1.1	25.7	24.9	0.8	52.84
(196, 195)	2	SOV	---	---	10	872.8	-----	33.1	32.2	1.0	25.6	24.8	0.8	53.13
(182, 181)	1	SOV	---	---	3	269.0	-----	21.6	21.4	0.2	16.7	16.5	0.1	53.87
(182, 181)	2	SOV	---	---	2	435.6	-----	21.2	21.0	0.2	16.4	16.3	0.1	55.00
(183, 182)	1	SOV	---	---	9	1519.1	-----	19.5	18.6	0.9	15.1	14.4	0.7	52.39
(183, 182)	2	SOV	---	---	1	442.4	-----	18.7	18.4	0.3	14.4	14.2	0.2	54.79
(184, 183)	1	SOV	---	---	6	1157.0	-----	24.3	23.8	0.4	18.8	18.4	0.3	53.92
(184, 183)	2	SOV	---	---	7	822.9	-----	23.9	23.6	0.2	18.4	18.3	0.2	54.78

(205, 204)	1	SOV	---	---	1	339.1	-----	2.9	2.8	0.1	2.2	2.2	0.0	43.85
(204, 197)	1	SOV	---	---	1	338.6	-----	4.8	4.7	0.1	3.7	3.6	0.1	44.11
(182, 193)	1	SOV	---	---	3	631.2	-----	7.4	6.3	1.1	5.7	4.9	0.9	54.00
(182, 193)	2	SOV	---	---	0	626.6	-----	6.8	6.2	0.7	5.3	4.8	0.5	58.75
(193, 194)	1	SOV	---	---	0	295.3	-----	4.4	3.7	0.6	3.4	2.9	0.5	59.20
(193, 194)	2	SOV	---	---	1	960.6	-----	4.3	4.1	0.2	3.3	3.1	0.2	60.66
(193, 194)	3	SOV	---	---	0	0.4	-----	4.7	0.0	4.8	3.6	0.0	3.7	55.13
(208, 209)	1	SOV	---	---	1	135.0	-----	6.5	6.2	0.3	5.1	4.8	0.2	47.33
(207, 198)	1	SOV	---	---	0	195.0	-----	5.3	5.1	0.2	4.1	4.0	0.1	42.60
(206, 207)	1	SOV	---	---	0	195.0	-----	2.8	2.6	0.2	2.2	2.0	0.2	36.55
(200, 210)	1	SOV	---	---	1	65.4	-----	4.2	4.1	0.1	3.2	3.2	0.1	44.39
(210, 211)	1	SOV	---	---	0	65.0	-----	3.5	3.5	0.0	2.7	2.7	0.0	41.60
(178, 202)	1	SOV	---	---	0	406.1	-----	1.9	1.7	0.2	1.5	1.3	0.2	54.94
(178, 202)	2	SOV	---	---	0	431.5	-----	1.9	1.7	0.2	1.5	1.3	0.2	55.55
(139,7009)	1	SOV	---	---	0	1194.2	-----	2.1	2.1	0.0	1.6	1.6	0.0	53.01
(139,7009)	2	SOV	---	---	0	115.0	-----	2.1	2.0	0.1	1.6	1.5	0.1	54.75
(7010, 141)	1	SOV	---	---	0	972.7	-----	6.6	5.3	1.2	5.1	4.1	0.9	45.01
(7010, 141)	2	SOV	---	---	0	936.7	-----	6.4	5.3	1.1	4.9	4.1	0.9	46.19
(211,7011)	1	SOV	---	---	0	65.0	-----	4.6	4.6	0.1	3.6	3.5	0.0	35.11
(7012, 206)	1	SOV	---	---	0	227.9	-----	2.3	2.2	0.2	1.8	1.7	0.1	33.10
(7014, 205)	1	SOV	---	---	0	365.2	-----	4.0	3.7	0.3	3.1	2.9	0.2	42.13
(194,7015)	1	SOV	---	---	0	324.0	-----	2.1	1.8	0.3	1.6	1.4	0.2	56.01
(194,7015)	2	SOV	---	---	0	924.0	-----	2.1	1.9	0.2	1.6	1.4	0.2	56.05
(194,7015)	3	SOV	---	---	0	8.0	-----	2.3	1.9	0.5	1.8	1.4	0.3	49.92
(201, 295)	1	SOV	---	---	2	640.1	-----	8.9	8.9	0.0	6.9	6.8	0.0	57.20
(201, 295)	2	SOV	---	---	2	703.4	-----	8.9	8.8	0.0	6.9	6.8	0.0	57.18
(149, 298)	1	SOV	---	---	7	1392.4	-----	16.3	15.7	0.7	12.7	12.2	0.5	62.60
(149, 298)	2	SOV	---	---	5	1070.0	-----	16.3	15.9	0.5	12.7	12.3	0.4	62.64
(149, 298)	3	SOV	---	---	5	1102.1	-----	16.0	15.6	0.4	12.4	12.1	0.3	63.95

(149, 298)	4	SOV	---	---	5	1026.3	-----	16.4	16.0	0.4	12.6	12.3	0.3	62.36
(149, 298)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(533, 299)	1	SOV	---	---	1	1712.7	-----	8.5	5.8	2.7	6.5	4.5	2.1	44.74
(533, 299)	2	SOV	---	---	1	1256.4	-----	6.4	5.8	0.6	5.0	4.5	0.5	58.93
(533, 299)	3	SOV	---	---	1	1192.9	-----	6.0	5.8	0.2	4.6	4.5	0.2	63.26
(533, 299)	4	SOV	---	---	2	994.8	-----	6.1	5.9	0.2	4.7	4.5	0.2	62.09
(533, 299)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(533, 299)	9	SOV	---	---	0	214.9	-----	11.0	8.6	2.4	8.5	6.6	1.9	34.41
(299, 300)	1	SOV	---	---	4	1923.7	-----	19.3	15.8	3.5	14.9	12.2	2.7	53.00
(299, 300)	2	SOV	---	---	5	1597.5	-----	17.4	15.8	1.6	13.5	12.3	1.2	58.87
(299, 300)	3	SOV	---	---	7	1330.3	-----	16.3	15.6	0.7	12.6	12.1	0.5	62.67
(299, 300)	4	SOV	---	---	3	1040.6	-----	16.5	15.9	0.6	12.7	12.2	0.5	62.04
(299, 300)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(299, 300)	9	SOV	---	---	0	47.4	-----	21.7	19.3	2.5	16.8	14.9	1.9	47.04
(300, 301)	1	SOV	---	---	21	1772.2	-----	29.2	27.3	1.9	22.6	21.1	1.5	60.53
(300, 301)	2	SOV	---	---	18	1620.0	-----	28.7	27.4	1.3	22.2	21.2	1.0	61.64
(300, 301)	3	SOV	---	---	15	1441.9	-----	28.0	27.0	1.0	21.6	20.9	0.7	63.24
(300, 301)	4	SOV	---	---	12	1090.7	-----	28.5	27.4	1.1	21.9	21.1	0.8	62.08
(300, 301)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(301, 302)	1	SOV	---	---	7	2017.1	-----	12.8	11.6	1.2	9.9	9.0	0.9	58.55
(301, 302)	2	SOV	---	---	4	1541.8	-----	12.2	11.6	0.6	9.5	9.0	0.5	61.43
(301, 302)	3	SOV	---	---	3	1353.5	-----	11.9	11.4	0.4	9.2	8.8	0.3	63.26
(301, 302)	4	SOV	---	---	2	1005.6	-----	12.0	11.6	0.4	9.3	8.9	0.3	62.25
(301, 302)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(302, 303)	1	SOV	---	---	11	1996.5	-----	17.4	16.0	1.4	13.5	12.4	1.1	58.65
(302, 303)	2	SOV	---	---	5	1558.2	-----	16.6	15.8	0.8	12.8	12.2	0.6	61.78
(302, 303)	3	SOV	---	---	5	1353.1	-----	16.1	15.6	0.5	12.5	12.0	0.4	63.40
(302, 303)	4	SOV	---	---	3	1015.7	-----	16.4	15.8	0.6	12.6	12.1	0.5	62.31
(302, 303)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(303, 304)	1	SOV	---	---	2	1364.5	-----	9.0	8.4	0.6	7.0	6.5	0.5	59.84
(303, 304)	2	SOV	---	---	1	1540.2	-----	8.7	8.3	0.4	6.7	6.5	0.3	61.84
(303, 304)	3	SOV	---	---	3	1380.6	-----	8.5	8.2	0.3	6.6	6.4	0.2	63.31
(303, 304)	4	SOV	---	---	3	1034.6	-----	8.6	8.3	0.3	6.6	6.4	0.3	62.43
(303, 304)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(304, 305)	1	SOV	---	---	25	1990.3	-----	19.4	15.7	3.6	15.0	12.2	2.8	52.80
(304, 305)	2	SOV	---	---	10	1413.5	-----	16.8	15.9	1.0	13.0	12.3	0.7	60.81
(304, 305)	3	SOV	---	---	10	1098.9	-----	16.1	15.6	0.5	12.4	12.0	0.4	63.69
(304, 305)	4	SOV	---	---	5	808.1	-----	16.2	15.7	0.5	12.4	12.0	0.4	63.25
(304, 305)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00

(305, 306)	1	SOV	---	---	20	2480.2	-----	22.0	9.9	12.1	17.0	7.7	9.4	28.64
(305, 306)	2	SOV	---	---	4	1647.7	-----	11.7	9.8	1.9	9.1	7.6	1.5	53.75
(305, 306)	3	SOV	---	---	1	1225.3	-----	10.1	9.6	0.5	7.8	7.4	0.4	62.55
(305, 306)	4	SOV	---	---	5	843.2	-----	10.0	9.6	0.4	7.7	7.4	0.3	63.13
(305, 306)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(305, 306)	9	SOV	---	---	1	337.6	-----	20.7	16.7	3.9	15.9	12.9	3.0	30.56
(306, 307)	1	SOV	---	---	4	836.1	-----	32.2	30.5	1.7	24.9	23.6	1.3	61.18
(306, 307)	2	SOV	---	---	15	1485.5	-----	32.5	30.8	1.7	25.2	23.9	1.3	60.54
(306, 307)	3	SOV	---	---	13	1359.9	-----	31.1	30.1	1.0	24.0	23.2	0.8	63.37
(306, 307)	4	SOV	---	---	9	927.8	-----	31.1	30.0	1.2	23.9	23.0	0.9	63.30
(306, 307)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(307, 310)	1	SOV	---	---	2	1314.0	-----	9.7	8.9	0.8	7.5	6.8	0.6	59.40
(307, 310)	2	SOV	---	---	4	1467.2	-----	9.4	9.0	0.4	7.3	7.0	0.3	61.06
(307, 310)	3	SOV	---	---	2	1372.4	-----	9.1	8.8	0.3	7.0	6.8	0.2	63.15
(307, 310)	4	SOV	---	---	2	986.5	-----	9.1	8.7	0.3	7.0	6.7	0.3	63.38
(307, 310)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(307, 310)	9	SOV	---	---	0	42.7	-----	12.2	10.1	2.1	9.4	7.8	1.6	47.22
(310, 311)	1	SOV	---	---	16	2416.6	-----	20.3	15.8	4.4	15.7	12.2	3.4	50.46
(310, 311)	2	SOV	---	---	6	1705.1	-----	17.3	15.9	1.4	13.4	12.3	1.1	59.01
(310, 311)	3	SOV	---	---	10	1343.6	-----	16.3	15.6	0.6	12.6	12.1	0.5	62.80
(310, 311)	4	SOV	---	---	5	966.8	-----	16.1	15.5	0.6	12.4	11.9	0.5	63.56
(310, 311)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(310, 311)	9	SOV	---	---	2	90.7	-----	25.3	20.1	5.2	19.6	15.6	4.0	40.43
(159, 312)	1	SOV	---	---	11	2983.6	-----	8.8	6.1	2.7	6.8	4.7	2.1	44.14
(159, 312)	2	SOV	---	---	3	1756.2	-----	7.2	6.1	1.1	5.6	4.7	0.9	53.55
(159, 312)	3	SOV	---	---	2	1515.7	-----	6.3	5.9	0.4	4.9	4.6	0.3	61.38
(159, 312)	4	SOV	---	---	2	1000.5	-----	6.0	5.8	0.2	4.6	4.5	0.2	64.14
(159, 312)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(312, 313)	1	SOV	---	---	8	2838.4	-----	12.0	10.1	2.0	9.3	7.8	1.5	52.88
(312, 313)	2	SOV	---	---	5	1780.4	-----	10.7	10.0	0.7	8.3	7.7	0.6	59.30
(312, 313)	3	SOV	---	---	3	1563.9	-----	10.1	9.8	0.3	7.8	7.5	0.3	63.07
(312, 313)	4	SOV	---	---	5	1075.2	-----	9.8	9.5	0.3	7.6	7.3	0.2	64.75
(312, 313)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(313, 314)	1	SOV	---	---	12	908.5	-----	42.4	39.1	3.2	32.9	30.4	2.5	59.73
(313, 314)	2	SOV	---	---	15	1599.8	-----	41.8	39.9	1.9	32.4	30.9	1.5	60.55
(313, 314)	3	SOV	---	---	22	1507.3	-----	40.2	38.9	1.3	31.0	30.0	1.0	62.96
(313, 314)	4	SOV	---	---	11	1199.3	-----	39.2	38.0	1.3	30.2	29.2	1.0	64.52
(313, 314)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(314, 315)	1	SOV	---	---	0	2049.6	-----	10.5	3.9	6.6	8.2	3.0	5.1	24.67
(314, 315)	2	SOV	---	---	1	1941.7	-----	5.2	4.0	1.2	4.0	3.1	0.9	49.85

(314, 315)	3	SOV	---	---	0	1245.5	-----	4.2	4.0	0.3	3.3	3.1	0.2	61.39
(314, 315)	4	SOV	---	---	1	965.9	-----	4.0	3.9	0.1	3.1	3.0	0.1	64.55
(314, 315)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(314, 315)	9	SOV	---	---	0	355.5	-----	16.7	9.7	7.0	13.0	7.5	5.5	15.53
(555, 316)	1	SOV	---	---	11	2552.6	-----	9.6	8.1	1.5	7.5	6.3	1.2	53.29
(555, 316)	2	SOV	---	---	5	1739.6	-----	8.8	8.1	0.7	6.8	6.3	0.5	58.40
(555, 316)	3	SOV	---	---	3	1579.7	-----	8.2	7.9	0.3	6.3	6.1	0.2	62.68
(555, 316)	4	SOV	---	---	3	1172.1	-----	8.0	7.7	0.3	6.1	5.9	0.2	64.48
(555, 316)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(316, 317)	1	SOV	---	---	5	1008.6	-----	19.3	18.3	1.0	15.0	14.2	0.8	61.69
(316, 317)	2	SOV	---	---	8	1588.4	-----	19.8	18.8	0.9	15.3	14.6	0.7	60.30
(316, 317)	3	SOV	---	---	10	1557.1	-----	19.0	18.4	0.5	14.6	14.2	0.4	62.72
(316, 317)	4	SOV	---	---	7	1240.2	-----	18.5	17.8	0.6	14.2	13.7	0.5	64.55
(316, 317)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(317, 318)	1	SOV	---	---	10	1067.6	-----	16.3	15.6	0.7	12.6	12.1	0.5	62.64
(317, 318)	2	SOV	---	---	6	1498.2	-----	17.0	16.2	0.8	13.2	12.6	0.6	60.26
(317, 318)	3	SOV	---	---	10	1485.0	-----	16.4	15.9	0.5	12.6	12.2	0.4	62.34
(317, 318)	4	SOV	---	---	12	1329.1	-----	15.9	15.3	0.6	12.2	11.8	0.5	64.28
(317, 318)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(318, 319)	1	SOV	---	---	12	1622.2	-----	17.5	15.7	1.8	13.5	12.2	1.4	58.52
(318, 319)	2	SOV	---	---	6	1553.1	-----	17.0	16.2	0.9	13.2	12.5	0.7	60.04
(318, 319)	3	SOV	---	---	5	1473.2	-----	16.5	15.9	0.6	12.7	12.2	0.4	62.17
(318, 319)	4	SOV	---	---	5	1379.3	-----	16.0	15.3	0.6	12.3	11.8	0.5	64.05
(318, 319)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(318, 319)	9	SOV	---	---	0	35.0	-----	22.0	18.1	3.9	17.0	14.0	3.0	46.55
(319, 320)	1	SOV	---	---	7	1611.8	-----	8.1	7.7	0.4	6.3	6.0	0.3	61.51
(319, 320)	2	SOV	---	---	8	1571.0	-----	8.3	7.9	0.4	6.4	6.1	0.3	60.67
(319, 320)	3	SOV	---	---	5	1461.4	-----	8.1	7.8	0.3	6.2	6.0	0.2	62.19
(319, 320)	4	SOV	---	---	5	1411.1	-----	7.9	7.5	0.3	6.0	5.8	0.3	63.82
(319, 320)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(320, 321)	1	SOV	---	---	10	2264.7	-----	21.1	17.5	3.6	16.3	13.5	2.8	53.82
(320, 321)	2	SOV	---	---	5	1431.0	-----	19.0	17.8	1.2	14.7	13.8	0.9	59.80
(320, 321)	3	SOV	---	---	6	1235.8	-----	18.2	17.6	0.6	14.0	13.6	0.5	62.40
(320, 321)	4	SOV	---	---	4	1116.5	-----	17.7	17.1	0.7	13.6	13.1	0.5	64.09
(320, 321)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(321, 322)	1	SOV	---	---	12	2109.8	-----	18.2	16.2	2.0	14.1	12.5	1.6	56.23
(321, 322)	2	SOV	---	---	4	1285.7	-----	16.9	16.0	0.9	13.1	12.4	0.7	60.68
(321, 322)	3	SOV	---	---	6	1068.0	-----	16.2	15.8	0.4	12.4	12.2	0.3	63.28
(321, 322)	4	SOV	---	---	4	900.2	-----	15.8	15.4	0.4	12.2	11.8	0.3	64.72
(321, 322)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00

(321, 322)	9	SOV	---	---	3	685.9	-----	17.6	16.6	1.0	13.6	12.8	0.8	58.05
(322, 323)	1	SOV	---	---	6	751.5	-----	19.6	18.9	0.7	15.2	14.7	0.6	61.47
(322, 323)	2	SOV	---	---	4	1222.7	-----	19.5	18.9	0.6	15.1	14.7	0.5	61.75
(322, 323)	3	SOV	---	---	3	1100.3	-----	19.0	18.6	0.4	14.7	14.3	0.3	63.41
(322, 323)	4	SOV	---	---	4	931.6	-----	18.7	18.2	0.5	14.4	14.0	0.4	64.60
(322, 323)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(323, 324)	1	SOV	---	---	6	1147.4	-----	10.6	9.5	1.1	8.2	7.3	0.9	57.53
(323, 324)	2	SOV	---	---	3	1240.6	-----	10.0	9.6	0.4	7.7	7.4	0.3	61.00
(323, 324)	3	SOV	---	---	4	1110.3	-----	9.6	9.4	0.2	7.4	7.2	0.2	63.32
(323, 324)	4	SOV	---	---	2	960.1	-----	9.4	9.2	0.3	7.3	7.1	0.2	64.54
(323, 324)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(323, 324)	9	SOV	---	---	0	34.5	-----	13.3	10.9	2.4	10.3	8.4	1.8	45.90
(324, 325)	1	SOV	---	---	0	1341.4	-----	17.1	15.9	1.2	13.2	12.3	0.9	59.79
(324, 325)	2	SOV	---	---	3	1294.1	-----	16.7	16.0	0.7	13.0	12.4	0.5	61.12
(324, 325)	3	SOV	---	---	4	1137.7	-----	16.2	15.8	0.4	12.5	12.2	0.3	63.18
(324, 325)	4	SOV	---	---	4	978.5	-----	15.9	15.4	0.5	12.2	11.8	0.4	64.46
(324, 325)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(324, 325)	9	SOV	---	---	0	13.3	-----	20.6	17.5	3.1	15.9	13.5	2.4	49.67
(7023, 147)	1	SOV	---	---	0	965.1	-----	3.4	2.8	0.6	2.6	2.1	0.5	37.08
(143,7025)	1	SOV	---	---	0	1122.9	-----	2.1	2.0	0.1	1.6	1.6	0.1	49.37
(144, 131)	1	SOV	---	---	1	257.2	-----	2.1	2.0	0.1	1.6	1.5	0.1	48.61
(7022, 144)	1	SOV	---	---	0	285.8	-----	2.6	2.3	0.3	2.0	1.8	0.2	44.29
(347, 348)	1	SOV	---	---	0	313.6	-----	3.0	2.9	0.1	2.3	2.2	0.1	50.33
(347, 348)	6	SOV	---	---	2	1724.9	-----	2.9	2.9	0.1	2.3	2.2	0.1	50.49
(348, 349)	1	SOV	---	---	1	645.1	-----	4.6	4.6	0.1	3.6	3.5	0.1	49.72
(348, 349)	6	SOV	---	---	2	1393.3	-----	4.8	4.7	0.1	3.7	3.6	0.1	48.19
(560, 370)	1	SOV	---	---	1	1628.7	-----	4.8	4.4	0.4	3.7	3.4	0.3	58.48
(560, 370)	2	SOV	---	---	0	1208.2	-----	4.5	4.3	0.2	3.5	3.3	0.2	61.29
(560, 370)	3	SOV	---	---	2	1084.9	-----	4.5	4.3	0.2	3.5	3.3	0.1	62.17
(560, 370)	4	HOV	5	5	0	5.0	5.0	4.0	4.0	0.0	3.2	3.2	0.0	68.87
(370, 371)	1	SOV	---	---	3	1189.3	-----	19.8	18.9	0.9	15.3	14.6	0.7	61.75
(370, 371)	2	SOV	---	---	6	1240.1	-----	19.5	18.9	0.6	15.0	14.6	0.4	62.68
(370, 371)	3	SOV	---	---	2	1081.2	-----	19.4	18.8	0.6	15.0	14.5	0.5	62.85
(370, 371)	4	HOV	5	5	0	5.0	5.0	17.8	17.7	0.0	13.9	13.9	0.0	68.78
(371, 372)	1	SOV	---	---	10	1136.1	-----	16.4	15.5	0.8	12.6	12.0	0.6	61.41

(371, 372)	2	SOV	---	---	5	1276.5	-----	16.1	15.6	0.5	12.4	12.0	0.4	62.43
(371, 372)	3	SOV	---	---	8	1087.0	-----	16.0	15.4	0.6	12.3	11.9	0.4	62.80
(371, 372)	4	HOV	5	5	0	5.0	5.0	14.6	14.6	0.0	11.4	11.4	0.0	68.75
(372, 373)	1	SOV	---	---	5	1899.3	-----	11.3	9.7	1.6	8.7	7.5	1.2	55.64
(372, 373)	2	SOV	---	---	2	1245.2	-----	10.2	9.7	0.5	7.9	7.5	0.4	61.52
(372, 373)	3	SOV	---	---	1	953.9	-----	10.0	9.6	0.4	7.7	7.4	0.3	62.90
(372, 373)	4	HOV	5	5	0	5.0	5.0	9.1	9.1	0.0	7.1	7.1	0.0	69.01
(372, 373)	9	SOV	---	---	1	56.4	-----	13.9	11.2	2.7	10.8	8.7	2.1	44.98
(373, 374)	1	SOV	---	---	2	1819.4	-----	6.7	6.2	0.5	5.1	4.8	0.4	59.50
(373, 374)	2	SOV	---	---	0	1325.4	-----	6.4	6.1	0.3	4.9	4.7	0.2	62.24
(373, 374)	3	SOV	---	---	1	1014.9	-----	6.3	6.1	0.2	4.8	4.7	0.2	63.06
(373, 374)	4	HOV	5	4	1	4.8	4.8	5.7	5.7	0.0	4.5	4.5	0.0	68.91
(374, 375)	1	SOV	---	---	6	1757.6	-----	10.5	9.9	0.6	8.1	7.6	0.5	59.56
(374, 375)	2	SOV	---	---	6	1354.3	-----	10.0	9.7	0.3	7.7	7.4	0.2	62.85
(374, 375)	3	SOV	---	---	4	1047.2	-----	9.9	9.6	0.3	7.6	7.4	0.3	63.34
(374, 375)	4	HOV	4	4	0	4.0	4.0	9.0	9.0	0.0	7.1	7.1	0.0	69.36
(375, 376)	1	SOV	---	---	5	1104.6	-----	17.1	16.4	0.7	13.2	12.7	0.5	61.13
(375, 376)	2	SOV	---	---	7	1381.6	-----	16.6	16.1	0.5	12.8	12.4	0.4	62.89
(375, 376)	3	SOV	---	---	2	1098.0	-----	16.5	15.9	0.6	12.8	12.3	0.5	63.26
(375, 376)	4	HOV	4	4	0	4.0	4.0	15.1	15.1	0.0	11.8	11.8	0.0	69.29
(376, 377)	1	SOV	---	---	1	1334.4	-----	8.7	7.9	0.8	6.7	6.1	0.6	58.23
(376, 377)	2	SOV	---	---	3	1402.7	-----	8.1	7.8	0.3	6.2	6.0	0.2	62.37
(376, 377)	3	SOV	---	---	1	1147.2	-----	8.0	7.7	0.3	6.2	5.9	0.2	63.14
(376, 377)	4	HOV	4	4	0	4.0	4.0	7.3	7.3	0.0	5.7	5.7	0.0	69.33
(376, 377)	9	SOV	---	---	0	33.5	-----	10.2	8.7	1.6	7.9	6.7	1.2	49.17
(377, 378)	1	SOV	---	---	4	1692.2	-----	15.1	13.9	1.3	11.7	10.7	1.0	58.56
(377, 378)	2	SOV	---	---	3	1414.4	-----	14.3	13.7	0.6	11.0	10.5	0.5	62.12
(377, 378)	3	SOV	---	---	2	1112.8	-----	14.0	13.5	0.6	10.8	10.4	0.4	63.26
(377, 378)	4	HOV	4	4	0	4.0	4.0	12.8	12.8	0.0	10.0	10.0	0.0	69.32
(377, 378)	9	SOV	---	---	0	17.9	-----	18.1	15.0	3.2	14.0	11.6	2.4	48.93
(7028, 368)	1	SOV	---	---	5	506.8	-----	15.9	15.3	0.6	12.3	11.8	0.4	53.38
(7028, 368)	2	SOV	---	---	9	564.1	-----	16.2	15.5	0.7	12.5	12.0	0.6	52.27
(7028, 368)	3	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(378, 384)	1	SOV	---	---	0	1731.3	-----	2.3	2.1	0.1	1.8	1.6	0.1	59.98
(378, 384)	2	SOV	---	---	1	1373.8	-----	2.2	2.1	0.1	1.7	1.6	0.1	62.78
(378, 384)	3	SOV	---	---	1	1134.5	-----	2.1	2.1	0.1	1.7	1.6	0.1	63.51
(378, 384)	4	HOV	4	4	0	4.0	4.0	2.0	2.0	0.0	1.5	1.5	0.0	69.35
(384, 385)	1	SOV	---	---	5	1692.6	-----	14.8	14.0	0.8	11.4	10.8	0.6	59.82

(384, 385)	2	SOV	---	---	4	1400.1	-----	14.1	13.6	0.5	10.9	10.5	0.4	62.84
(384, 385)	3	SOV	---	---	4	1143.1	-----	14.0	13.4	0.5	10.8	10.4	0.4	63.46
(384, 385)	4	HOV	4	4	0	4.0	4.0	12.8	12.8	0.0	10.0	10.0	0.0	69.34
(385, 386)	1	SOV	---	---	11	1233.8	-----	28.6	27.4	1.2	22.1	21.1	0.9	60.80
(385, 386)	2	SOV	---	---	8	1390.7	-----	27.7	26.8	0.9	21.4	20.7	0.7	62.85
(385, 386)	3	SOV	---	---	9	1193.1	-----	27.5	26.4	1.1	21.2	20.4	0.9	63.32
(385, 386)	4	HOV	4	4	0	4.0	4.0	25.1	25.1	0.0	19.7	19.7	0.0	69.31
(402, 403)	1	SOV	---	---	1	329.2	-----	10.8	9.1	1.7	8.4	7.0	1.3	45.92
(402, 403)	2	SOV	---	---	4	1002.9	-----	10.5	9.9	0.6	8.1	7.6	0.5	47.27
(562,7030)	1	SOV	---	---	0	622.3	-----	2.4	2.4	0.0	1.9	1.8	0.0	53.54
(562,7030)	2	SOV	---	---	0	440.0	-----	2.5	2.4	0.1	1.9	1.8	0.1	51.33
(562,7030)	3	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(400, 401)	1	SOV	---	---	1	636.7	-----	16.2	15.8	0.4	12.5	12.2	0.3	63.24
(400, 401)	2	SOV	---	---	0	424.3	-----	15.8	15.5	0.3	12.2	12.0	0.2	64.69
(400, 401)	3	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(400, 401)	9	SOV	---	---	9	1420.4	-----	18.8	17.4	1.4	14.5	13.5	1.1	54.42
(401, 382)	1	SOV	---	---	1	1422.5	-----	3.4	3.0	0.4	2.7	2.3	0.3	40.77
(399, 400)	1	SOV	---	---	1	680.2	-----	7.2	7.0	0.2	5.6	5.4	0.1	62.75
(399, 400)	2	SOV	---	---	0	393.5	-----	7.0	6.9	0.2	5.4	5.3	0.1	64.46
(399, 400)	3	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(399, 400)	9	SOV	---	---	3	1408.5	-----	7.6	7.0	0.6	5.9	5.4	0.5	59.50
(564, 399)	1	SOV	---	---	6	2144.8	-----	10.1	9.2	0.9	7.8	7.1	0.7	57.42
(564, 399)	2	SOV	---	---	4	1030.8	-----	9.2	8.9	0.3	7.1	6.9	0.2	62.83
(564, 399)	3	SOV	---	---	2	638.8	-----	9.1	8.9	0.3	7.1	6.8	0.2	63.45
(564, 399)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(397, 398)	1	SOV	---	---	7	2079.7	-----	10.4	8.9	1.5	8.0	6.9	1.1	55.75
(397, 398)	2	SOV	---	---	2	971.3	-----	9.3	8.9	0.4	7.2	6.9	0.3	62.15
(397, 398)	3	SOV	---	---	2	715.7	-----	9.2	8.9	0.3	7.1	6.9	0.2	63.04
(397, 398)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(397, 398)	9	SOV	---	---	0	50.2	-----	13.6	10.3	3.3	10.5	8.0	2.5	42.71
(395, 396)	1	SOV	---	---	5	1101.2	-----	20.0	19.2	0.8	15.5	14.9	0.6	61.94
(395, 396)	2	SOV	---	---	6	1289.9	-----	19.6	19.1	0.5	15.2	14.7	0.4	63.27
(395, 396)	3	SOV	---	---	7	999.9	-----	19.8	19.1	0.7	15.3	14.8	0.5	62.66
(395, 396)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(394, 395)	1	SOV	---	---	3	1668.1	-----	6.5	6.1	0.4	5.0	4.7	0.3	58.97
(394, 395)	2	SOV	---	---	2	1300.7	-----	6.0	5.9	0.2	4.7	4.5	0.1	63.18
(394, 395)	3	SOV	---	---	3	993.3	-----	6.1	5.9	0.2	4.7	4.5	0.2	62.61

(394, 395)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(393, 394)	1	SOV	---	---	6	1723.0	-----	10.8	10.0	0.9	8.4	7.7	0.7	59.23
(393, 394)	2	SOV	---	---	2	1271.5	-----	10.2	9.8	0.4	7.9	7.6	0.3	62.83
(393, 394)	3	SOV	---	---	3	968.1	-----	10.2	9.9	0.4	7.9	7.6	0.3	62.55
(393, 394)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(392, 393)	1	SOV	---	---	2	1779.8	-----	6.8	5.9	0.9	5.3	4.5	0.7	56.08
(392, 393)	2	SOV	---	---	1	1171.9	-----	6.1	5.9	0.2	4.7	4.5	0.2	62.53
(392, 393)	3	SOV	---	---	1	938.1	-----	6.1	5.9	0.2	4.7	4.6	0.1	62.72
(392, 393)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(392, 393)	9	SOV	---	---	0	71.5	-----	8.8	6.9	1.9	6.8	5.3	1.5	43.53
(391, 392)	1	SOV	---	---	8	1242.2	-----	12.2	11.4	0.8	9.4	8.8	0.7	60.48
(391, 392)	2	SOV	---	---	7	1205.7	-----	11.7	11.4	0.4	9.1	8.8	0.3	62.81
(391, 392)	3	SOV	---	---	7	1025.6	-----	11.8	11.4	0.4	9.1	8.8	0.3	62.30
(391, 392)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(391, 392)	9	SOV	---	---	0	20.5	-----	15.7	12.8	2.9	12.1	9.9	2.2	47.05
(390, 391)	1	SOV	---	---	6	880.5	-----	16.9	16.3	0.6	13.1	12.6	0.5	62.81
(390, 391)	2	SOV	---	---	6	1232.1	-----	16.9	16.4	0.4	13.0	12.7	0.3	63.04
(390, 391)	3	SOV	---	---	5	1064.6	-----	17.2	16.5	0.7	13.2	12.7	0.5	61.93
(390, 391)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(389, 390)	1	SOV	---	---	7	1416.8	-----	16.7	15.9	0.8	12.9	12.3	0.7	61.17
(389, 390)	2	SOV	---	---	6	1207.1	-----	16.2	15.8	0.4	12.5	12.2	0.3	63.05
(389, 390)	3	SOV	---	---	5	1064.1	-----	16.5	15.9	0.6	12.7	12.2	0.5	62.11
(389, 390)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(388, 389)	1	SOV	---	---	1	1458.2	-----	5.4	5.1	0.3	4.2	4.0	0.2	61.90
(388, 389)	2	SOV	---	---	1	1158.9	-----	5.3	5.2	0.1	4.1	4.0	0.1	62.85
(388, 389)	3	SOV	---	---	1	1072.6	-----	5.4	5.2	0.2	4.1	4.0	0.1	62.33
(388, 389)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(387, 388)	1	SOV	---	---	2	1203.3	-----	16.6	15.6	1.0	12.9	12.1	0.8	61.43
(387, 388)	2	SOV	---	---	3	1252.3	-----	16.4	15.9	0.5	12.6	12.2	0.4	62.53
(387, 388)	3	SOV	---	---	6	1211.2	-----	16.5	15.9	0.6	12.7	12.2	0.5	62.11
(387, 388)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(387, 388)	9	SOV	---	---	0	17.9	-----	22.9	18.0	5.0	17.8	13.9	3.8	44.64
(166, 404)	1	SOV	---	---	2	883.3	-----	8.1	8.0	0.2	6.3	6.1	0.1	62.81
(166, 404)	2	SOV	---	---	3	1288.0	-----	8.1	7.9	0.2	6.2	6.1	0.1	63.33
(166, 404)	3	SOV	---	---	3	1318.3	-----	8.1	7.9	0.2	6.3	6.1	0.2	62.99
(166, 404)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(404, 387)	1	SOV	---	---	5	735.0	-----	17.2	16.8	0.4	13.3	13.0	0.3	64.28
(404, 387)	2	SOV	---	---	5	1254.8	-----	17.6	17.2	0.4	13.6	13.2	0.3	62.95

(404, 387)	3	SOV	---	---	4	1295.4	-----	17.7	17.1	0.6	13.7	13.2	0.5	62.44
(404, 387)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(306, 405)	1	SOV	---	---	4	1940.0	-----	4.8	4.2	0.6	3.7	3.2	0.5	46.39
(558, 406)	1	SOV	---	---	2	1525.7	-----	4.9	4.6	0.3	3.8	3.6	0.2	42.81
(558, 406)	2	SOV	---	---	0	414.4	-----	4.6	4.5	0.1	3.6	3.5	0.1	45.79
(351, 408)	1	SOV	---	---	1	439.1	-----	5.3	4.5	0.7	4.1	3.5	0.6	41.14
(351, 408)	2	SOV	---	---	0	1075.7	-----	5.1	4.9	0.3	4.0	3.8	0.2	42.08
(408, 409)	1	SOV	---	---	3	903.7	-----	10.7	9.5	1.2	8.3	7.3	0.9	39.71
(408, 409)	2	SOV	---	---	0	616.0	-----	10.7	9.6	1.1	8.3	7.4	0.9	39.72
(410, 405)	1	SOV	---	---	0	0.0	-----	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(413, 409)	1	SOV	---	---	2	1365.8	-----	12.8	11.6	1.2	9.9	9.0	0.9	40.68
(349, 350)	1	SOV	---	---	1	332.7	-----	15.2	15.0	0.2	11.7	11.5	0.2	52.12
(349, 350)	2	SOV	---	---	6	1186.1	-----	16.5	16.1	0.3	12.7	12.5	0.3	48.08
(350, 351)	1	SOV	---	---	4	530.9	-----	12.5	12.4	0.1	9.7	9.6	0.1	47.62
(350, 351)	2	SOV	---	---	5	987.0	-----	13.8	13.5	0.3	10.7	10.4	0.2	43.28
(406, 413)	1	SOV	---	---	10	1365.4	-----	14.4	13.7	0.6	11.1	10.6	0.5	42.82
(416,7031)	1	SOV	---	---	0	419.0	-----	2.5	2.4	0.1	1.9	1.9	0.1	50.24
(7032, 435)	1	SOV	---	---	0	710.4	-----	3.6	3.2	0.4	2.7	2.5	0.3	45.06
(435, 436)	1	SOV	---	---	1	657.2	-----	3.1	3.0	0.1	2.4	2.3	0.1	48.79
(436, 372)	1	SOV	---	---	1	656.6	-----	3.9	3.6	0.2	3.0	2.8	0.2	50.89
(395, 437)	1	SOV	---	---	0	386.4	-----	6.9	6.7	0.2	5.4	5.2	0.2	52.84
(395, 437)	2	SOV	---	---	0	184.6	-----	7.0	6.7	0.3	5.4	5.2	0.2	52.70
(437,7033)	1	SOV	---	---	0	32.0	-----	5.6	5.0	0.6	4.4	3.9	0.5	47.16
(437,7033)	2	SOV	---	---	0	539.7	-----	5.6	5.3	0.3	4.3	4.1	0.3	47.42
(7034, 440)	1	SOV	---	---	0	475.7	-----	3.2	2.9	0.3	2.5	2.2	0.3	45.04
(440, 441)	1	SOV	---	---	1	436.0	-----	4.0	3.9	0.1	3.1	3.0	0.1	49.01
(7035, 443)	1	SOV	---	---	0	367.6	-----	3.8	2.9	0.9	3.0	2.2	0.7	34.22
(443, 444)	1	SOV	---	---	0	336.0	-----	3.1	2.9	0.3	2.4	2.2	0.2	45.18

(444, 376)	1	SOV	---	---	0	336.0	-----	9.1	8.9	0.3	7.0	6.8	0.2	52.84
(375, 442)	1	SOV	---	---	0	574.7	-----	4.6	4.5	0.1	3.6	3.5	0.1	53.47
(442,7036)	1	SOV	---	---	1	576.3	-----	3.4	3.3	0.1	2.6	2.5	0.0	50.75
(7037, 454)	1	SOV	---	---	0	336.1	-----	3.5	3.1	0.3	2.7	2.4	0.3	45.34
(454, 455)	1	SOV	---	---	0	311.0	-----	3.5	3.4	0.1	2.7	2.6	0.1	49.28
(455, 377)	1	SOV	---	---	0	313.3	-----	5.0	4.8	0.2	3.8	3.7	0.2	52.45
(390, 458)	1	SOV	---	---	2	506.0	-----	8.9	8.5	0.4	6.9	6.6	0.3	52.58
(456, 457)	1	SOV	---	---	0	324.0	-----	2.4	2.2	0.2	1.8	1.7	0.2	45.78
(457, 391)	1	SOV	---	---	0	324.0	-----	2.0	1.9	0.1	1.6	1.5	0.1	49.10
(7038, 456)	1	SOV	---	---	0	374.4	-----	2.0	1.6	0.4	1.6	1.2	0.3	39.75
(458,7039)	1	SOV	---	---	1	505.6	-----	3.1	2.8	0.3	2.4	2.2	0.2	45.99
(7040, 466)	1	SOV	---	---	0	508.6	-----	3.4	3.0	0.4	2.6	2.3	0.3	44.25
(466, 467)	1	SOV	---	---	0	468.0	-----	3.1	2.9	0.1	2.4	2.3	0.1	48.73
(467, 392)	1	SOV	---	---	0	468.3	-----	4.0	3.7	0.3	3.1	2.9	0.2	50.97
(309,7043)	1	SOV	---	---	3	1630.9	-----	5.0	3.5	1.5	3.9	2.7	1.2	34.76
(7044, 483)	1	SOV	---	---	3	716.9	-----	5.9	5.3	0.6	4.6	4.1	0.4	45.31
(484, 318)	1	SOV	---	---	1	683.5	-----	4.8	4.5	0.3	3.7	3.5	0.2	50.93
(483, 484)	1	SOV	---	---	1	684.4	-----	3.6	3.5	0.1	2.8	2.7	0.1	48.42
(303, 487)	1	SOV	---	---	1	608.7	-----	5.7	5.6	0.1	4.4	4.3	0.1	53.62
(487, 488)	1	SOV	---	---	2	607.5	-----	6.8	6.6	0.2	5.3	5.1	0.1	49.79
(488,7046)	1	SOV	---	---	0	607.0	-----	4.2	4.0	0.2	3.2	3.1	0.1	47.38
(490, 305)	1	SOV	---	---	7	1273.5	-----	9.3	8.8	0.5	7.2	6.8	0.4	51.35
(489, 490)	1	SOV	---	---	1	1273.3	-----	6.6	6.3	0.3	5.1	4.9	0.2	47.96

(7047, 489)	1	SOV	---	---	0	1348.3	-----	5.2	4.3	0.9	4.0	3.3	0.7	41.47
(7045, 531)	1	SOV	---	---	0	556.3	-----	4.5	2.3	2.1	3.4	1.8	1.6	35.95
(7045, 531)	2	SOV	---	---	0	50.6	-----	5.3	2.3	3.0	4.1	1.8	2.3	30.24
(531, 532)	1	SOV	---	---	0	561.4	-----	3.1	2.2	0.9	2.4	1.7	0.7	45.79
(531, 532)	2	SOV	---	---	0	0.6	-----	9.5	3.7	5.8	7.3	2.8	4.5	14.93
(532, 299)	1	SOV	---	---	0	562.0	-----	2.7	2.3	0.4	2.1	1.8	0.3	52.46
(322, 522)	1	SOV	---	---	1	879.6	-----	3.0	3.0	0.0	2.3	2.3	0.0	54.34
(322, 522)	2	SOV	---	---	2	1163.4	-----	3.0	2.9	0.1	2.3	2.3	0.1	53.64
(7049, 523)	1	SOV	---	---	0	534.8	-----	3.3	3.0	0.3	2.5	2.3	0.2	37.33
(523, 524)	1	SOV	---	---	0	487.9	-----	6.3	5.7	0.6	4.9	4.4	0.5	44.72
(524, 323)	1	SOV	---	---	0	490.9	-----	5.3	5.0	0.3	4.1	3.9	0.2	51.22
(298, 533)	1	SOV	---	---	6	673.4	-----	19.1	18.3	0.8	14.8	14.2	0.6	63.15
(298, 533)	2	SOV	---	---	4	1075.1	-----	19.2	18.7	0.5	14.9	14.5	0.4	62.65
(298, 533)	3	SOV	---	---	7	1144.7	-----	19.0	18.4	0.6	14.7	14.2	0.4	63.60
(298, 533)	4	SOV	---	---	6	998.5	-----	19.4	18.8	0.6	14.9	14.5	0.5	62.11
(298, 533)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(7050, 529)	1	SOV	---	---	0	434.0	-----	4.2	3.0	1.2	3.2	2.3	0.9	28.79
(7050, 529)	2	SOV	---	---	0	1168.6	-----	4.1	2.9	1.1	3.1	2.2	0.9	29.78
(529, 530)	1	SOV	---	---	0	593.5	-----	3.5	1.9	1.6	2.7	1.5	1.2	31.55
(529, 530)	2	SOV	---	---	0	879.5	-----	3.8	2.5	1.3	3.0	1.9	1.0	29.05
(530, 533)	1	SOV	---	---	0	1482.0	-----	8.0	6.3	1.6	6.1	4.9	1.3	42.68
(7051, 525)	1	SOV	---	---	0	293.8	-----	3.3	3.0	0.3	2.5	2.3	0.2	45.36
(525, 526)	1	SOV	---	---	0	272.2	-----	5.5	5.4	0.1	4.3	4.2	0.1	49.07
(526, 324)	1	SOV	---	---	0	273.8	-----	6.8	6.5	0.2	5.2	5.0	0.2	52.67
(298, 534)	1	SOV	---	---	0	698.0	-----	5.4	5.1	0.3	4.2	4.0	0.2	61.62
(534,7052)	1	SOV	---	---	1	697.3	-----	3.1	2.8	0.3	2.4	2.2	0.2	58.18
(313, 347)	1	SOV	---	---	3	2039.8	-----	5.4	5.1	0.3	4.2	3.9	0.2	51.70
(315, 554)	1	SOV	---	---	3	2662.9	-----	11.4	5.9	5.6	8.8	4.5	4.3	32.95
(315, 554)	2	SOV	---	---	1	1828.9	-----	8.4	6.0	2.5	6.5	4.6	1.9	44.73

(315, 554)	3	SOV	---	---	1	1351.8	-----	6.4	5.8	0.6	4.9	4.5	0.4	59.32
(315, 554)	4	SOV	---	---	4	1023.9	-----	5.9	5.6	0.2	4.5	4.3	0.2	64.20
(315, 554)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(315, 554)	9	SOV	---	---	0	187.4	-----	8.5	8.1	0.5	6.6	6.2	0.4	44.21
(554, 555)	1	SOV	---	---	8	2663.5	-----	9.6	6.8	2.8	7.4	5.3	2.2	45.47
(554, 555)	2	SOV	---	---	3	1750.4	-----	8.2	6.9	1.3	6.4	5.4	1.0	52.96
(554, 555)	3	SOV	---	---	4	1521.2	-----	7.2	6.7	0.4	5.5	5.2	0.3	60.84
(554, 555)	4	SOV	---	---	1	1115.0	-----	6.8	6.5	0.3	5.2	5.0	0.2	64.05
(554, 555)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(522,7048)	1	SOV	---	---	1	887.1	-----	3.3	3.3	0.0	2.5	2.5	0.0	51.25
(522,7048)	2	SOV	---	---	2	1154.3	-----	3.3	3.3	0.1	2.6	2.5	0.1	50.82
(405, 558)	1	SOV	---	---	0	0.0	-----	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(405, 558)	6	SOV	---	---	3	1940.1	-----	3.6	3.4	0.2	2.8	2.6	0.1	47.97
(409, 559)	1	SOV	---	---	5	1441.8	-----	5.3	4.9	0.4	4.1	3.8	0.3	42.15
(409, 559)	6	SOV	---	---	5	1442.5	-----	5.3	5.0	0.3	4.1	3.8	0.2	42.50
(369, 560)	1	SOV	---	---	2	1049.6	-----	5.2	4.8	0.4	4.0	3.7	0.3	60.71
(369, 560)	2	HOV	5	5	0	5.0	5.0	4.6	4.6	0.0	3.6	3.6	0.0	68.83
(369, 560)	9	SOV	---	---	2	1252.3	-----	5.6	5.0	0.7	4.4	3.9	0.5	55.76
(369, 560)	10	SOV	---	---	5	1617.5	-----	5.7	5.0	0.8	4.4	3.8	0.6	55.03
(401, 562)	1	SOV	---	---	0	621.5	-----	2.1	2.0	0.0	1.6	1.6	0.0	59.85
(401, 562)	2	SOV	---	---	0	440.5	-----	2.1	2.1	0.0	1.6	1.6	0.0	58.43
(401, 562)	3	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(97, 563)	1	SOV	---	---	5	1308.0	-----	17.3	15.6	1.7	13.4	12.1	1.3	59.07
(97, 563)	2	SOV	---	---	5	1353.7	-----	17.2	16.4	0.8	13.4	12.7	0.6	59.36
(97, 563)	3	SOV	---	---	4	1295.2	-----	16.2	15.7	0.5	12.5	12.1	0.4	63.13
(97, 563)	4	SOV	---	---	4	1071.6	-----	15.8	15.3	0.5	12.1	11.7	0.4	64.80
(97, 563)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(97, 563)	9	SOV	---	---	1	27.1	-----	25.8	19.0	6.8	20.0	14.7	5.3	39.67
(398, 564)	1	SOV	---	---	5	2026.9	-----	7.5	6.9	0.7	5.8	5.3	0.5	58.85
(398, 564)	2	SOV	---	---	2	1028.6	-----	7.0	6.8	0.2	5.4	5.3	0.2	63.03
(398, 564)	3	SOV	---	---	1	761.5	-----	7.0	6.8	0.2	5.4	5.2	0.2	63.24
(398, 564)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(27, 28)	1	SOV	---	---	7	726.0	-----	11.7	11.0	0.8	9.0	8.4	0.6	58.21
(27, 28)	2	SOV	---	---	2	671.2	-----	10.9	10.2	0.8	8.5	7.9	0.6	62.35
(27, 28)	3	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(28, 29)	1	SOV	---	---	1	862.3	-----	8.9	8.6	0.4	6.9	6.6	0.3	61.14
(28, 29)	2	SOV	---	---	2	701.3	-----	8.3	8.1	0.2	6.4	6.3	0.1	66.08

(28,	29)	3	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(28,	29)	9	SOV	---	---	0	879.2	-----	9.4	8.6	0.8	7.3	6.6	0.6	58.03
(29,	30)	1	SOV	---	---	0	828.4	-----	5.5	5.3	0.2	4.2	4.1	0.1	62.10
(29,	30)	2	SOV	---	---	0	881.7	-----	5.5	5.4	0.1	4.2	4.1	0.1	62.15
(29,	30)	3	SOV	---	---	0	737.3	-----	5.2	5.1	0.1	4.0	3.9	0.1	66.03
(29,	30)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(30,	31)	1	SOV	---	---	5	972.9	-----	16.5	15.9	0.6	12.7	12.3	0.5	61.94
(30,	31)	2	SOV	---	---	4	901.1	-----	16.3	16.0	0.4	12.6	12.3	0.3	62.58
(30,	31)	3	SOV	---	---	4	745.8	-----	15.5	15.2	0.3	12.0	11.8	0.2	65.95
(30,	31)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(30,	31)	9	SOV	---	---	7	937.1	-----	17.1	15.9	1.2	13.2	12.3	0.9	59.80
(31,	32)	1	SOV	---	---	3	1135.8	-----	9.4	9.0	0.4	7.3	6.9	0.3	62.06
(31,	32)	2	SOV	---	---	3	1298.9	-----	9.6	9.1	0.5	7.4	7.0	0.4	60.95
(31,	32)	3	SOV	---	---	2	665.6	-----	9.3	9.0	0.3	7.2	7.0	0.2	62.92
(31,	32)	4	SOV	---	---	2	454.0	-----	8.8	8.7	0.1	6.8	6.7	0.1	66.32
(31,	32)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(32,	33)	1	SOV	---	---	1	255.4	-----	8.3	7.7	0.6	6.4	6.0	0.4	61.79
(32,	33)	2	SOV	---	---	3	1047.6	-----	8.3	8.0	0.2	6.4	6.2	0.2	61.81
(32,	33)	3	SOV	---	---	2	706.0	-----	8.0	7.9	0.1	6.1	6.1	0.1	64.16
(32,	33)	4	HOV	0	471	0	435.7	435.7	7.7	7.6	0.1	5.9	5.9	0.1	66.58
(32,	33)	9	SOV	---	---	1	1109.1	-----	8.2	7.9	0.2	6.3	6.1	0.2	62.65
(33,	34)	1	SOV	---	---	1	389.7	-----	8.1	7.8	0.3	6.2	6.0	0.2	63.34
(33,	34)	2	SOV	---	---	3	971.8	-----	8.3	8.1	0.2	6.4	6.2	0.1	61.95
(33,	34)	3	SOV	---	---	3	719.6	-----	8.0	7.9	0.1	6.1	6.1	0.1	64.18
(33,	34)	4	SOV	---	---	1	479.9	-----	7.7	7.6	0.1	5.9	5.9	0.1	66.56
(33,	34)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(33,	34)	9	SOV	---	---	5	986.0	-----	8.8	8.6	0.2	6.8	6.6	0.2	58.05
(34,	35)	1	SOV	---	---	1	248.3	-----	6.7	6.5	0.2	5.2	5.0	0.1	65.97
(34,	35)	2	SOV	---	---	4	884.4	-----	7.2	7.0	0.1	5.5	5.4	0.1	61.77
(34,	35)	3	SOV	---	---	2	712.1	-----	6.9	6.8	0.1	5.3	5.3	0.1	64.06
(34,	35)	4	SOV	---	---	1	497.3	-----	6.6	6.6	0.1	5.1	5.1	0.1	66.58
(34,	35)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(35,	36)	1	SOV	---	---	0	298.6	-----	8.1	7.9	0.1	6.2	6.1	0.1	66.74
(35,	36)	2	SOV	---	---	1	818.3	-----	8.7	8.6	0.1	6.7	6.6	0.1	61.56
(35,	36)	3	SOV	---	---	2	704.2	-----	8.4	8.3	0.1	6.5	6.4	0.1	63.94
(35,	36)	4	SOV	---	---	2	515.6	-----	8.1	8.0	0.1	6.2	6.2	0.1	66.56
(35,	36)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(36,	37)	1	SOV	---	---	1	340.0	-----	8.9	8.8	0.1	6.9	6.8	0.1	66.92
(36,	37)	2	SOV	---	---	4	758.6	-----	9.7	9.6	0.1	7.5	7.4	0.1	61.42

(36,	37)	3	SOV	---	---	4	694.9	-----	9.3	9.2	0.1	7.2	7.1	0.1	63.88
(36,	37)	4	SOV	---	---	3	536.5	-----	9.0	8.9	0.1	6.9	6.9	0.1	66.40
(36,	37)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(37,	54)	1	SOV	---	---	2	346.3	-----	10.1	10.0	0.1	7.8	7.8	0.1	67.09
(37,	54)	2	SOV	---	---	4	721.8	-----	11.1	10.9	0.1	8.5	8.4	0.1	61.28
(37,	54)	3	SOV	---	---	5	697.1	-----	10.6	10.5	0.1	8.2	8.1	0.1	63.85
(37,	54)	4	SOV	---	---	3	552.9	-----	10.2	10.1	0.1	7.9	7.8	0.1	66.39
(37,	54)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(54,	55)	1	SOV	---	---	1	587.7	-----	7.0	6.7	0.4	5.4	5.1	0.3	63.28
(54,	55)	2	SOV	---	---	0	705.4	-----	7.2	7.1	0.1	5.6	5.5	0.1	61.25
(54,	55)	3	SOV	---	---	1	701.2	-----	6.9	6.9	0.1	5.4	5.3	0.1	63.85
(54,	55)	4	SOV	---	---	1	576.6	-----	6.7	6.6	0.1	5.2	5.1	0.1	66.28
(54,	55)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(54,	55)	9	SOV	---	---	0	21.4	-----	8.2	8.0	0.3	6.3	6.1	0.2	53.91
(55,	56)	1	SOV	---	---	1	593.8	-----	5.2	5.1	0.1	4.0	4.0	0.1	64.95
(55,	56)	2	SOV	---	---	1	709.3	-----	5.6	5.5	0.1	4.3	4.2	0.1	61.38
(55,	56)	3	SOV	---	---	2	703.8	-----	5.3	5.3	0.1	4.1	4.1	0.0	63.79
(55,	56)	4	SOV	---	---	0	590.0	-----	5.1	5.1	0.1	4.0	3.9	0.0	66.36
(55,	56)	5	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(56,	57)	1	SOV	---	---	2	767.5	-----	11.1	10.8	0.3	8.5	8.4	0.2	61.49
(56,	57)	2	SOV	---	---	0	709.1	-----	10.7	10.6	0.1	8.3	8.1	0.1	63.68
(56,	57)	3	SOV	---	---	1	600.0	-----	10.3	10.2	0.1	7.9	7.8	0.1	66.25
(56,	57)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(56,	57)	9	SOV	---	---	7	1006.9	-----	11.1	10.4	0.6	8.5	8.1	0.5	61.56
(56,	57)	10	SOV	---	---	0	27.7	-----	13.8	12.1	1.7	10.6	9.3	1.3	49.56
(57,	58)	1	SOV	---	---	0	796.5	-----	5.5	5.4	0.1	4.2	4.2	0.1	62.05
(57,	58)	2	SOV	---	---	2	709.2	-----	5.4	5.3	0.1	4.1	4.1	0.0	63.70
(57,	58)	3	SOV	---	---	1	608.9	-----	5.1	5.1	0.1	4.0	3.9	0.1	66.21
(57,	58)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(57,	58)	9	SOV	---	---	1	993.0	-----	5.4	5.2	0.2	4.2	4.0	0.1	63.12
(58,	59)	1	SOV	---	---	2	802.2	-----	6.3	6.2	0.1	4.9	4.8	0.1	62.29
(58,	59)	2	SOV	---	---	3	708.7	-----	6.2	6.1	0.1	4.8	4.7	0.1	63.91
(58,	59)	3	SOV	---	---	1	593.8	-----	6.0	5.9	0.1	4.6	4.6	0.1	66.15
(58,	59)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(58,	59)	9	SOV	---	---	3	998.9	-----	6.3	6.1	0.2	4.8	4.7	0.1	63.18
(59,	60)	1	SOV	---	---	3	746.0	-----	9.2	9.0	0.2	7.1	6.9	0.2	62.64
(59,	60)	2	SOV	---	---	6	1030.4	-----	9.0	8.8	0.2	6.9	6.8	0.2	64.07
(59,	60)	3	SOV	---	---	0	39.7	-----	8.7	8.3	0.4	6.7	6.4	0.3	66.23
(59,	60)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(59,	60)	9	SOV	---	---	4	1284.7	-----	9.3	8.9	0.4	7.1	6.9	0.3	62.12

(60,	61)	1	SOV	---	---	1	1931.9	-----	17.2	15.9	1.3	13.3	12.3	1.0	59.47
(60,	61)	2	SOV	---	---	1	629.7	-----	16.1	15.7	0.4	12.4	12.1	0.3	63.54
(60,	61)	3	SOV	---	---	3	534.5	-----	15.8	15.6	0.2	12.2	12.1	0.2	64.54
(60,	61)	4	HOV	4	4	0	4.0	4.0	24.7	14.9	9.8	20.6	12.4	8.2	41.44
(61,	62)	1	SOV	---	---	2	1458.7	-----	11.6	10.9	0.7	8.9	8.4	0.5	58.85
(61,	62)	2	SOV	---	---	0	659.5	-----	10.6	10.5	0.2	8.2	8.1	0.1	64.08
(61,	62)	3	SOV	---	---	0	526.0	-----	10.5	10.4	0.2	8.1	8.0	0.1	64.63
(61,	62)	4	HOV	4	4	0	4.0	4.0	30.7	10.0	20.7	25.6	8.3	17.3	22.20
(62,	63)	1	SOV	---	---	2	453.8	-----	12.3	12.0	0.3	9.5	9.2	0.2	61.55
(62,	63)	2	SOV	---	---	2	653.8	-----	11.8	11.6	0.1	9.1	9.0	0.1	64.24
(62,	63)	3	SOV	---	---	1	539.2	-----	11.7	11.5	0.2	9.0	8.9	0.1	64.67
(62,	63)	4	HOV	4	4	0	4.0	4.0	15.7	11.2	4.5	13.1	9.3	3.8	48.24
(63,	64)	1	SOV	---	---	3	455.6	-----	12.6	12.3	0.2	9.7	9.5	0.2	62.26
(63,	64)	2	SOV	---	---	2	639.9	-----	12.2	12.1	0.1	9.4	9.3	0.1	64.01
(63,	64)	3	SOV	---	---	1	555.0	-----	12.1	11.9	0.2	9.4	9.2	0.2	64.59
(63,	64)	4	HOV	4	3	1	3.6	3.6	12.8	11.5	1.3	10.6	9.6	1.0	61.40
(64,	65)	1	SOV	---	---	0	913.5	-----	11.3	10.7	0.6	8.7	8.2	0.5	60.35
(64,	65)	2	SOV	---	---	3	697.4	-----	10.7	10.5	0.2	8.3	8.1	0.2	63.65
(64,	65)	3	SOV	---	---	2	577.9	-----	10.5	10.4	0.2	8.1	8.0	0.1	64.63
(64,	65)	4	HOV	3	3	0	3.0	3.0	10.5	10.1	0.4	8.7	8.4	0.3	65.04
(64,	65)	9	SOV	---	---	0	28.7	-----	13.1	12.2	0.9	10.1	9.4	0.7	52.07
(65,	66)	1	SOV	---	---	1	895.0	-----	5.5	5.3	0.1	4.2	4.1	0.1	62.06
(65,	66)	2	SOV	---	---	0	735.9	-----	5.3	5.2	0.1	4.1	4.0	0.1	64.03
(65,	66)	3	SOV	---	---	2	589.4	-----	5.3	5.2	0.1	4.1	4.0	0.1	64.78
(65,	66)	4	HOV	3	3	0	3.0	3.0	5.1	5.0	0.1	4.3	4.2	0.1	66.42
(66,	67)	1	SOV	---	---	2	982.4	-----	10.3	10.0	0.3	8.0	7.7	0.2	62.02
(66,	67)	2	SOV	---	---	3	724.8	-----	10.0	9.8	0.2	7.7	7.6	0.1	64.27
(66,	67)	3	SOV	---	---	1	514.2	-----	9.9	9.7	0.1	7.6	7.5	0.1	64.88
(66,	67)	4	HOV	3	3	0	3.0	3.0	9.5	9.4	0.1	8.0	7.8	0.1	67.00
(67,	68)	1	SOV	---	---	8	1805.1	-----	14.8	13.8	1.1	11.4	10.6	0.8	59.78
(67,	68)	2	SOV	---	---	1	306.5	-----	13.8	13.4	0.4	10.6	10.3	0.3	64.34
(67,	68)	3	SOV	---	---	1	109.0	-----	13.5	13.4	0.2	10.5	10.3	0.1	65.46
(67,	68)	4	HOV	3	3	0	3.0	3.0	13.1	13.1	0.0	10.9	10.9	0.0	67.61
(68,	69)	1	SOV	---	---	3	1264.2	-----	17.1	16.5	0.6	13.1	12.7	0.5	59.97
(68,	69)	2	SOV	---	---	1	354.3	-----	15.6	15.4	0.2	12.0	11.9	0.1	65.73
(68,	69)	3	SOV	---	---	0	121.5	-----	15.5	15.4	0.1	11.9	11.9	0.1	66.16
(68,	69)	4	HOV	3	3	0	3.0	3.0	41.5	14.8	26.7	34.6	12.3	22.2	24.67
(68,	69)	9	SOV	---	---	2	479.7	-----	16.7	16.4	0.4	12.9	12.6	0.3	61.09

(69, 70)	1	SOV	---	---	1	275.0	-----	18.8	18.6	0.2	14.5	14.3	0.2	61.37
(69, 70)	2	SOV	---	---	1	366.9	-----	17.6	17.5	0.1	13.5	13.5	0.1	65.84
(69, 70)	3	SOV	---	---	0	129.7	-----	17.4	17.3	0.0	13.4	13.4	0.0	66.45
(69, 70)	4	HOV	3	3	0	3.0	3.0	27.0	17.2	9.8	22.5	14.3	8.2	42.83
(70, 71)	1	SOV	---	---	0	267.4	-----	8.6	8.5	0.1	6.6	6.6	0.1	61.59
(70, 71)	2	SOV	---	---	1	365.8	-----	8.1	8.0	0.0	6.2	6.2	0.0	65.68
(70, 71)	3	SOV	---	---	1	141.8	-----	8.0	7.9	0.0	6.2	6.1	0.0	66.55
(70, 71)	4	HOV	3	3	0	3.0	3.0	8.7	7.9	0.8	7.2	6.6	0.6	61.15
(71, 72)	1	SOV	---	---	1	329.0	-----	16.7	16.4	0.3	12.9	12.6	0.3	61.25
(71, 72)	2	SOV	---	---	1	370.6	-----	15.6	15.5	0.1	12.1	12.0	0.1	65.44
(71, 72)	3	SOV	---	---	0	155.6	-----	15.3	15.2	0.1	11.8	11.8	0.0	66.83
(71, 72)	4	HOV	3	3	0	3.0	3.0	15.5	15.1	0.5	12.9	12.6	0.4	65.87
(71, 72)	9	SOV	---	---	0	2.7	-----	19.7	18.1	1.6	15.1	13.9	1.2	52.01
(72, 73)	1	SOV	---	---	0	261.9	-----	24.4	24.2	0.3	18.8	18.6	0.2	61.85
(72, 73)	2	SOV	---	---	3	426.5	-----	23.3	23.1	0.2	18.0	17.8	0.1	64.87
(72, 73)	3	SOV	---	---	1	167.4	-----	22.6	22.5	0.1	17.4	17.3	0.1	66.88
(72, 73)	4	HOV	3	3	0	3.0	3.0	22.4	22.2	0.1	18.6	18.5	0.1	67.54
(73, 74)	1	SOV	---	---	2	228.7	-----	16.2	16.0	0.2	12.5	12.3	0.2	63.11
(73, 74)	2	SOV	---	---	4	494.4	-----	16.1	15.8	0.2	12.4	12.2	0.2	63.61
(73, 74)	3	SOV	---	---	3	130.2	-----	15.4	15.2	0.2	11.9	11.8	0.1	66.36
(73, 74)	4	HOV	3	0	0	2.0	2.0	15.1	15.1	0.0	12.6	12.6	0.0	67.66
(74, 75)	1	SOV	---	---	2	566.8	-----	22.8	22.6	0.2	17.5	17.4	0.2	62.86
(74, 75)	2	SOV	---	---	1	283.9	-----	21.4	21.2	0.2	16.6	16.4	0.1	66.87
(74, 75)	3	HOV	3	2	1	2.4	2.4	22.7	22.7	0.0	17.4	17.4	0.0	63.10
(75, 76)	1	SOV	---	---	1	529.0	-----	5.7	5.7	0.1	4.4	4.4	0.0	62.59
(75, 76)	2	SOV	---	---	0	321.6	-----	5.4	5.3	0.0	4.1	4.1	0.0	66.93
(75, 76)	3	HOV	2	2	0	2.0	2.0	5.6	5.6	0.0	4.3	4.3	0.0	64.46
(76, 77)	1	SOV	---	---	0	521.3	-----	3.5	3.5	0.0	2.7	2.7	0.0	62.57
(76, 77)	2	SOV	---	---	0	333.2	-----	3.3	3.2	0.0	2.5	2.5	0.0	66.82
(76, 77)	3	HOV	2	2	0	2.0	2.0	3.4	3.4	0.0	2.6	2.6	0.0	64.33
(568, 569)	1	SOV	---	---	1	427.6	-----	2.3	2.1	0.2	1.8	1.6	0.2	58.60
(568, 569)	2	SOV	---	---	1	394.6	-----	2.3	2.1	0.2	1.8	1.6	0.1	59.18
(568, 569)	3	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(569, 570)	1	SOV	---	---	3	427.3	-----	13.4	13.0	0.5	10.4	10.0	0.4	62.85
(569, 570)	2	SOV	---	---	3	392.1	-----	13.4	12.9	0.4	10.3	10.0	0.3	63.27
(569, 570)	3	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00

(570, 571)	1	SOV	---	---	2	426.3	-----	8.8	8.6	0.2	6.8	6.7	0.2	63.55
(570, 571)	2	SOV	---	---	2	385.9	-----	8.8	8.6	0.2	6.8	6.6	0.2	63.85
(570, 571)	3	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(571, 572)	1	SOV	---	---	2	144.1	-----	16.0	15.6	0.4	12.4	12.1	0.3	63.88
(571, 572)	2	SOV	---	---	3	394.1	-----	16.0	15.7	0.3	12.3	12.1	0.2	63.96
(571, 572)	3	HOV	0	383	4	267.5	267.5	16.0	15.6	0.4	12.4	12.1	0.3	63.77
(572, 573)	1	SOV	---	---	1	95.0	-----	22.5	22.2	0.3	17.3	17.1	0.2	66.50
(572, 573)	2	SOV	---	---	3	367.1	-----	23.3	23.1	0.3	18.0	17.8	0.2	64.19
(572, 573)	3	SOV	---	---	4	341.3	-----	23.5	23.0	0.5	18.1	17.7	0.4	63.77
(572, 573)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(573, 574)	1	SOV	---	---	0	150.5	-----	15.8	15.7	0.2	12.2	12.1	0.1	64.67
(573, 574)	2	SOV	---	---	0	349.9	-----	15.9	15.7	0.2	12.3	12.1	0.1	64.40
(573, 574)	3	SOV	---	---	1	301.6	-----	16.1	15.8	0.3	12.4	12.2	0.2	63.63
(573, 574)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(574, 575)	1	SOV	---	---	0	86.8	-----	12.7	12.6	0.1	9.8	9.7	0.1	67.80
(574, 575)	2	SOV	---	---	1	344.2	-----	13.4	13.3	0.1	10.3	10.3	0.1	64.54
(574, 575)	3	SOV	---	---	0	295.3	-----	13.5	13.3	0.2	10.4	10.3	0.2	63.80
(574, 575)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(575, 576)	1	SOV	---	---	0	92.6	-----	17.4	17.4	0.1	13.5	13.4	0.1	68.02
(575, 576)	2	SOV	---	---	2	336.9	-----	18.4	18.3	0.1	14.2	14.1	0.1	64.44
(575, 576)	3	SOV	---	---	2	297.3	-----	18.6	18.3	0.3	14.3	14.1	0.2	63.86
(575, 576)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(576, 577)	1	SOV	---	---	2	967.9	-----	17.0	15.8	1.2	13.1	12.2	0.9	60.14
(576, 577)	2	SOV	---	---	2	511.5	-----	15.9	15.5	0.4	12.3	12.0	0.3	64.18
(576, 577)	3	SOV	---	---	0	324.3	-----	15.9	15.7	0.3	12.3	12.1	0.2	64.17
(576, 577)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(576, 577)	9	SOV	---	---	0	31.8	-----	20.5	19.4	1.0	15.8	15.0	0.8	49.98
(577, 578)	1	SOV	---	---	2	867.5	-----	14.0	13.5	0.4	10.8	10.4	0.3	62.32
(577, 578)	2	SOV	---	---	1	618.1	-----	13.3	13.1	0.1	10.2	10.1	0.1	65.54
(577, 578)	3	SOV	---	---	2	350.8	-----	13.4	13.3	0.2	10.4	10.2	0.1	64.76
(577, 578)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(578, 579)	1	SOV	---	---	4	1064.6	-----	11.7	11.3	0.5	9.1	8.7	0.4	61.67
(578, 579)	2	SOV	---	---	0	535.9	-----	11.1	10.9	0.2	8.5	8.4	0.1	65.42
(578, 579)	3	SOV	---	---	2	232.9	-----	11.0	10.8	0.1	8.5	8.4	0.1	65.99
(578, 579)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(579, 580)	1	SOV	---	---	0	1060.6	-----	5.5	5.3	0.2	4.3	4.1	0.2	61.77
(579, 580)	2	SOV	---	---	1	534.6	-----	5.2	5.1	0.1	4.0	4.0	0.0	65.59
(579, 580)	3	SOV	---	---	1	233.8	-----	5.1	5.1	0.1	4.0	3.9	0.0	66.30

(579, 580)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(580, 581)	1	SOV	---	---	3	1018.6	-----	11.3	10.9	0.4	8.7	8.4	0.3	60.37
(580, 581)	2	SOV	---	---	2	559.2	-----	10.4	10.3	0.1	8.0	7.9	0.1	65.67
(580, 581)	3	SOV	---	---	1	251.9	-----	10.3	10.1	0.1	7.9	7.8	0.1	66.43
(580, 581)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(581, 582)	1	SOV	---	---	4	563.4	-----	11.6	11.3	0.3	9.0	8.7	0.2	61.33
(581, 582)	2	SOV	---	---	2	570.3	-----	10.9	10.8	0.1	8.4	8.3	0.1	65.60
(581, 582)	3	SOV	---	---	3	278.7	-----	10.7	10.6	0.1	8.3	8.2	0.1	66.56
(581, 582)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(582, 583)	1	SOV	---	---	4	536.0	-----	13.8	13.5	0.3	10.6	10.4	0.2	61.44
(582, 583)	2	SOV	---	---	5	569.4	-----	13.0	12.8	0.1	10.0	9.9	0.1	65.43
(582, 583)	3	SOV	---	---	1	304.8	-----	12.7	12.5	0.2	9.8	9.7	0.1	66.62
(582, 583)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(583, 584)	1	SOV	---	---	4	756.7	-----	11.4	10.8	0.6	8.8	8.3	0.5	59.95
(583, 584)	2	SOV	---	---	3	618.2	-----	10.5	10.3	0.2	8.1	8.0	0.2	64.87
(583, 584)	3	SOV	---	---	1	333.8	-----	10.2	10.1	0.1	7.9	7.8	0.1	66.66
(583, 584)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(583, 584)	9	SOV	---	---	0	17.2	-----	13.8	12.0	1.8	10.6	9.3	1.4	49.53
(584, 585)	1	SOV	---	---	4	1539.6	-----	17.1	16.0	1.1	13.2	12.3	0.8	59.76
(584, 585)	2	SOV	---	---	2	694.7	-----	15.8	15.4	0.4	12.2	11.9	0.3	64.72
(584, 585)	3	SOV	---	---	3	298.8	-----	15.3	15.1	0.3	11.8	11.6	0.2	66.79
(584, 585)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(584, 585)	9	SOV	---	---	0	35.0	-----	18.5	18.0	0.6	14.3	13.9	0.4	55.22
(585, 586)	1	SOV	---	---	2	1726.6	-----	8.2	7.7	0.5	6.3	5.9	0.4	59.67
(585, 586)	2	SOV	---	---	2	627.2	-----	7.5	7.3	0.2	5.8	5.7	0.1	65.09
(585, 586)	3	SOV	---	---	0	213.3	-----	7.3	7.2	0.1	5.6	5.5	0.1	67.33
(585, 586)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(586, 587)	1	SOV	---	---	2	1649.2	-----	7.4	7.0	0.4	5.7	5.4	0.3	60.76
(586, 587)	2	SOV	---	---	0	679.8	-----	6.8	6.7	0.1	5.2	5.2	0.1	65.80
(586, 587)	3	SOV	---	---	0	237.3	-----	6.6	6.5	0.1	5.1	5.0	0.0	67.84
(586, 587)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(587, 588)	1	SOV	---	---	2	1603.4	-----	5.6	5.3	0.3	4.3	4.1	0.2	60.68
(587, 588)	2	SOV	---	---	1	711.1	-----	5.2	5.1	0.0	4.0	4.0	0.0	65.83
(587, 588)	3	SOV	---	---	1	252.0	-----	5.0	5.0	0.0	3.9	3.8	0.0	68.10
(587, 588)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(588, 589)	1	SOV	---	---	4	1554.2	-----	11.6	10.9	0.7	9.0	8.4	0.6	58.56
(588, 589)	2	SOV	---	---	1	736.7	-----	10.4	10.3	0.1	8.0	7.9	0.1	65.80
(588, 589)	3	SOV	---	---	1	276.9	-----	10.0	9.9	0.1	7.7	7.7	0.1	68.11

(588, 589)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(589, 590)	1	SOV	---	---	4	625.4	-----	9.2	9.0	0.2	7.1	6.9	0.2	60.38
(589, 590)	2	SOV	---	---	3	753.3	-----	8.4	8.4	0.1	6.5	6.5	0.1	65.74
(589, 590)	3	SOV	---	---	1	304.2	-----	8.2	8.1	0.1	6.3	6.2	0.1	68.04
(589, 590)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(590, 591)	1	SOV	---	---	2	611.4	-----	6.9	6.8	0.1	5.3	5.2	0.1	60.87
(590, 591)	2	SOV	---	---	1	745.5	-----	6.4	6.3	0.1	4.9	4.9	0.0	65.67
(590, 591)	3	SOV	---	---	2	322.4	-----	6.2	6.1	0.0	4.7	4.7	0.0	68.07
(590, 591)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(591, 592)	1	SOV	---	---	1	598.9	-----	7.7	7.5	0.1	5.9	5.8	0.1	60.73
(591, 592)	2	SOV	---	---	1	740.7	-----	7.1	7.0	0.1	5.5	5.4	0.1	65.52
(591, 592)	3	SOV	---	---	2	338.4	-----	6.8	6.8	0.1	5.3	5.2	0.1	67.99
(591, 592)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(592, 593)	1	SOV	---	---	2	606.2	-----	11.2	11.0	0.2	8.7	8.5	0.2	60.72
(592, 593)	2	SOV	---	---	1	734.9	-----	10.4	10.3	0.1	8.1	8.0	0.1	65.27
(592, 593)	3	SOV	---	---	0	369.2	-----	10.0	9.9	0.1	7.7	7.7	0.1	67.95
(592, 593)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(592, 593)	9	SOV	---	---	2	370.4	-----	11.4	10.7	0.7	8.8	8.2	0.6	59.76
(593, 594)	1	SOV	---	---	0	614.8	-----	5.6	5.5	0.1	4.3	4.2	0.1	61.02
(593, 594)	2	SOV	---	---	0	735.6	-----	5.2	5.2	0.1	4.0	4.0	0.0	65.07
(593, 594)	3	SOV	---	---	0	401.3	-----	5.0	5.0	0.1	3.9	3.8	0.0	67.96
(593, 594)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(593, 594)	9	SOV	---	---	1	729.8	-----	5.7	5.3	0.5	4.4	4.1	0.4	59.48
(593, 594)	10	SOV	---	---	0	44.1	-----	6.7	6.1	0.7	5.2	4.7	0.5	50.76
(594, 595)	1	SOV	---	---	2	661.2	-----	11.1	10.9	0.2	8.5	8.4	0.1	61.55
(594, 595)	2	SOV	---	---	1	717.6	-----	10.5	10.4	0.1	8.1	8.0	0.1	65.17
(594, 595)	3	SOV	---	---	1	420.1	-----	10.0	9.9	0.1	7.7	7.7	0.1	68.03
(594, 595)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(594, 595)	9	SOV	---	---	1	726.4	-----	11.0	10.6	0.4	8.5	8.2	0.3	62.01
(595, 596)	1	SOV	---	---	1	679.5	-----	5.0	4.9	0.1	3.9	3.8	0.1	61.86
(595, 596)	2	SOV	---	---	1	702.9	-----	4.7	4.7	0.0	3.7	3.6	0.0	65.18
(595, 596)	3	SOV	---	---	0	433.0	-----	4.6	4.5	0.0	3.5	3.5	0.0	68.00
(595, 596)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(595, 596)	9	SOV	---	---	0	708.5	-----	5.0	4.8	0.1	3.8	3.7	0.1	62.45
(596, 597)	1	SOV	---	---	2	850.1	-----	8.2	8.1	0.2	6.3	6.2	0.1	62.32
(596, 597)	2	SOV	---	---	1	774.2	-----	7.9	7.8	0.1	6.1	6.0	0.1	64.65
(596, 597)	3	SOV	---	---	0	362.3	-----	7.5	7.5	0.1	5.8	5.8	0.1	67.91
(596, 597)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(596, 597)	9	SOV	---	---	2	535.2	-----	8.2	8.0	0.2	6.3	6.2	0.1	62.49

(597, 598)	1	SOV	---	---	2	1123.1	-----	8.1	7.9	0.2	6.3	6.1	0.2	63.07
(597, 598)	2	SOV	---	---	2	1017.0	-----	8.3	8.0	0.3	6.4	6.1	0.2	61.86
(597, 598)	3	SOV	---	---	0	215.3	-----	7.9	7.5	0.4	6.1	5.8	0.3	64.82
(597, 598)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(597, 598)	9	SOV	---	---	1	168.2	-----	8.1	7.6	0.5	6.2	5.9	0.4	63.14
(598, 599)	1	SOV	---	---	9	870.6	-----	16.4	16.1	0.3	12.7	12.4	0.3	62.24
(598, 599)	2	SOV	---	---	4	354.6	-----	15.3	15.0	0.4	11.8	11.6	0.3	66.69
(598, 599)	3	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(598, 599)	9	SOV	---	---	7	995.3	-----	16.9	16.5	0.5	13.1	12.7	0.4	60.38
(598, 599)	10	SOV	---	---	3	297.7	-----	16.3	16.0	0.3	12.6	12.4	0.2	62.82
(600, 601)	1	SOV	---	---	3	715.9	-----	10.1	9.9	0.2	7.8	7.6	0.1	61.63
(600, 601)	2	SOV	---	---	1	508.4	-----	9.3	9.2	0.1	7.2	7.1	0.1	66.87
(600, 601)	3	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(601, 602)	1	SOV	---	---	0	687.0	-----	5.5	5.4	0.1	4.3	4.2	0.1	61.54
(601, 602)	2	SOV	---	---	1	537.3	-----	5.1	5.0	0.1	3.9	3.9	0.1	66.68
(601, 602)	3	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(602, 603)	1	SOV	---	---	2	669.5	-----	11.1	10.9	0.2	8.5	8.4	0.2	61.44
(602, 603)	2	SOV	---	---	1	556.2	-----	10.2	10.1	0.1	7.9	7.8	0.1	66.55
(602, 603)	3	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(599, 600)	1	SOV	---	---	5	770.5	-----	15.2	14.9	0.3	11.7	11.5	0.2	61.81
(599, 600)	2	SOV	---	---	3	453.0	-----	14.0	13.8	0.2	10.8	10.7	0.1	67.19
(599, 600)	3	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(77,7053)	1	SOV	---	---	0	519.0	-----	2.0	2.0	0.0	1.6	1.5	0.0	62.51
(77,7053)	2	SOV	---	---	0	336.0	-----	1.9	1.9	0.0	1.5	1.5	0.0	66.85
(77,7053)	3	HOV	2	2	0	2.0	2.0	2.0	2.0	0.0	1.5	1.5	0.0	64.77
(7054, 568)	1	SOV	---	---	0	471.4	-----	3.0	2.4	0.6	2.3	1.8	0.5	52.78
(7054, 568)	2	SOV	---	---	0	419.5	-----	2.9	2.4	0.6	2.3	1.8	0.4	53.81
(7054, 568)	3	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(441, 397)	1	SOV	---	---	0	437.1	-----	4.0	3.7	0.2	3.1	2.9	0.2	51.41
(626, 627)	1	SOV	---	---	2	779.4	-----	5.5	5.4	0.1	4.2	4.2	0.1	52.08
(626, 627)	2	SOV	---	---	2	612.5	-----	5.0	5.0	0.1	3.9	3.8	0.0	56.98
(626, 627)	3	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(627, 27)	1	SOV	---	---	0	767.7	-----	4.2	4.0	0.2	3.3	3.1	0.1	51.47
(627, 27)	2	SOV	---	---	0	627.4	-----	3.9	3.7	0.1	3.0	2.9	0.1	56.65
(627, 27)	3	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00

(629, 28)	1	SOV	---	---	0	1044.6	-----	4.9	4.3	0.6	3.8	3.3	0.5	46.83
(628, 629)	1	SOV	---	---	0	1042.0	-----	6.0	5.3	0.7	4.6	4.1	0.5	39.56
(631, 30)	1	SOV	---	---	2	1107.6	-----	6.8	6.2	0.5	5.2	4.8	0.4	50.06
(630, 631)	1	SOV	---	---	4	1109.6	-----	6.2	5.8	0.4	4.8	4.5	0.3	47.34
(34, 632)	1	SOV	---	---	3	921.0	-----	3.0	3.0	0.1	2.3	2.3	0.0	53.08
(34, 632)	2	SOV	---	---	0	278.0	-----	2.8	2.8	0.0	2.2	2.2	0.0	57.20
(632, 633)	1	SOV	---	---	0	883.1	-----	3.6	3.6	0.1	2.8	2.8	0.0	53.08
(632, 633)	2	SOV	---	---	0	313.9	-----	3.4	3.4	0.0	2.6	2.6	0.0	57.08
(635, 54)	1	SOV	---	---	0	277.0	-----	8.4	7.8	0.6	6.5	6.1	0.4	50.96
(634, 635)	1	SOV	---	---	1	277.4	-----	7.6	7.0	0.6	5.9	5.4	0.5	41.76
(637, 56)	1	SOV	---	---	0	513.0	-----	8.3	8.1	0.2	6.4	6.3	0.2	53.21
(636, 637)	1	SOV	---	---	0	513.0	-----	5.8	5.6	0.2	4.5	4.3	0.1	52.97
(61, 638)	1	SOV	---	---	1	453.3	-----	5.7	5.6	0.1	4.4	4.3	0.1	53.94
(638, 639)	1	SOV	---	---	0	90.5	-----	4.4	4.2	0.1	3.4	3.3	0.1	52.63
(638, 639)	2	SOV	---	---	0	363.5	-----	4.4	4.2	0.2	3.4	3.2	0.2	52.75
(62, 640)	1	SOV	---	---	1	998.8	-----	5.2	5.0	0.2	4.0	3.9	0.1	52.91
(640, 641)	1	SOV	---	---	1	284.2	-----	2.9	2.8	0.0	2.2	2.2	0.0	52.32
(640, 641)	2	SOV	---	---	0	713.7	-----	3.0	2.9	0.1	2.3	2.2	0.1	50.43
(643, 64)	1	SOV	---	---	0	568.0	-----	7.5	7.3	0.3	5.8	5.6	0.2	52.82
(642, 643)	1	SOV	---	---	0	379.2	-----	6.4	5.9	0.5	5.0	4.6	0.4	50.47
(642, 643)	2	SOV	---	---	0	188.8	-----	6.6	6.0	0.5	5.1	4.7	0.4	49.53
(69, 644)	1	SOV	---	---	0	564.6	-----	4.3	4.3	0.0	3.3	3.3	0.0	55.34
(69, 644)	2	SOV	---	---	1	885.9	-----	4.5	4.4	0.1	3.5	3.4	0.1	52.61
(644, 645)	1	SOV	---	---	0	148.6	-----	3.1	3.1	0.0	2.4	2.4	0.0	54.85
(644, 645)	2	SOV	---	---	1	659.7	-----	3.2	3.2	0.0	2.5	2.5	0.0	52.29
(644, 645)	3	SOV	---	---	1	641.3	-----	3.4	3.3	0.1	2.6	2.6	0.1	49.37
(647, 71)	1	SOV	---	---	0	83.0	-----	9.5	8.9	0.6	7.3	6.8	0.5	50.67
(646, 647)	1	SOV	---	---	3	83.6	-----	8.2	7.6	0.6	6.4	5.9	0.5	41.44

(574, 660)	1	SOV	---	---	0	76.0	-----	2.8	2.7	0.1	2.2	2.1	0.1	53.48
(660, 661)	1	SOV	---	---	0	76.0	-----	2.9	2.7	0.2	2.2	2.1	0.1	49.84
(663, 576)	1	SOV	---	---	0	966.6	-----	7.2	6.2	1.0	5.5	4.8	0.8	47.51
(663, 576)	2	SOV	---	---	0	143.8	-----	8.2	6.9	1.2	6.3	5.4	0.9	41.72
(662, 663)	1	SOV	---	---	0	74.5	-----	7.2	4.6	2.6	5.5	3.6	2.0	31.77
(662, 663)	2	SOV	---	---	0	1036.1	-----	5.1	4.5	0.6	3.9	3.5	0.5	44.57
(581, 664)	1	SOV	---	---	0	420.0	-----	7.3	7.2	0.2	5.7	5.5	0.1	53.86
(664, 665)	1	SOV	---	---	1	420.5	-----	2.9	2.8	0.1	2.2	2.1	0.1	53.14
(667, 583)	1	SOV	---	---	1	316.1	-----	12.5	10.9	1.6	9.7	8.4	1.3	46.92
(666, 667)	1	SOV	---	---	0	316.0	-----	4.2	4.0	0.3	3.3	3.1	0.2	34.26
(669, 584)	1	SOV	---	---	0	750.8	-----	7.6	7.3	0.4	5.9	5.6	0.3	52.22
(669, 584)	2	SOV	---	---	0	88.2	-----	7.9	7.5	0.3	6.1	5.8	0.3	50.52
(668, 669)	1	SOV	---	---	0	28.6	-----	6.6	4.1	2.5	5.1	3.2	1.9	32.69
(668, 669)	2	SOV	---	---	0	810.4	-----	4.2	3.9	0.2	3.2	3.0	0.2	51.91
(589, 670)	1	SOV	---	---	1	877.7	-----	3.0	2.8	0.1	2.3	2.2	0.1	52.45
(670, 671)	1	SOV	---	---	0	877.0	-----	2.8	2.7	0.1	2.2	2.1	0.1	52.67
(673, 592)	1	SOV	---	---	0	402.0	-----	4.5	4.0	0.5	3.5	3.1	0.4	47.70
(672, 673)	1	SOV	---	---	1	402.9	-----	5.0	4.5	0.6	3.9	3.4	0.4	39.74
(675, 593)	1	SOV	---	---	0	444.0	-----	4.2	4.1	0.1	3.3	3.2	0.1	53.64
(674, 675)	1	SOV	---	---	0	444.0	-----	4.0	3.9	0.1	3.1	3.0	0.1	53.37
(678, 679)	1	SOV	---	---	0	403.5	-----	5.3	5.2	0.1	4.1	4.0	0.0	52.92
(678, 679)	2	SOV	---	---	1	882.7	-----	5.7	5.5	0.1	4.4	4.3	0.1	49.28
(684, 685)	1	SOV	---	---	0	0.0	-----	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(688,7008)	1	SOV	---	---	1	638.5	-----	6.2	6.1	0.1	4.8	4.7	0.1	36.05
(688,7008)	2	SOV	---	---	0	588.2	-----	5.6	5.6	0.1	4.4	4.3	0.1	39.84
(688,7008)	3	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(7056, 626)	1	SOV	---	---	4	823.3	-----	5.6	5.4	0.2	4.3	4.2	0.1	51.57

(7056, 626)	2	SOV	---	---	3	632.7	-----	5.1	5.0	0.1	3.9	3.8	0.1	57.00
(7056, 626)	3	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(679,7058)	1	SOV	---	---	0	429.0	-----	3.0	3.0	0.0	2.3	2.3	0.0	51.31
(679,7058)	2	SOV	---	---	1	856.6	-----	3.3	3.2	0.1	2.5	2.4	0.1	47.09
(7059, 684)	1	SOV	---	---	0	0.0	-----	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(7060, 628)	1	SOV	---	---	0	1132.9	-----	4.3	4.0	0.3	3.3	3.1	0.2	33.78
(7061, 630)	1	SOV	---	---	2	1176.2	-----	4.9	4.4	0.5	3.8	3.4	0.4	45.20
(7062, 674)	1	SOV	---	---	0	471.2	-----	4.1	3.8	0.4	3.2	2.9	0.3	50.18
(7063, 672)	1	SOV	---	---	0	437.6	-----	4.2	4.0	0.2	3.3	3.1	0.1	34.38
(671,7064)	1	SOV	---	---	0	877.0	-----	2.4	2.3	0.1	1.8	1.8	0.1	52.23
(633,7065)	1	SOV	---	---	1	872.8	-----	4.3	4.2	0.1	3.3	3.2	0.1	52.92
(633,7065)	2	SOV	---	---	1	323.8	-----	3.9	3.9	0.0	3.0	3.0	0.0	57.32
(7066, 634)	1	SOV	---	---	0	302.1	-----	4.1	3.9	0.2	3.1	3.0	0.1	34.98
(7067, 636)	1	SOV	---	---	0	538.9	-----	5.2	4.7	0.5	4.0	3.6	0.4	49.63
(665,7068)	1	SOV	---	---	0	421.0	-----	2.7	2.6	0.2	2.1	2.0	0.1	51.59
(7069, 666)	1	SOV	---	---	0	349.7	-----	3.3	3.3	0.1	2.6	2.5	0.0	35.88
(7070, 668)	1	SOV	---	---	0	188.4	-----	4.5	3.9	0.6	3.4	3.0	0.5	47.87
(7070, 668)	2	SOV	---	---	0	700.5	-----	4.1	3.9	0.2	3.2	3.0	0.2	52.15
(639,7071)	1	SOV	---	---	0	25.0	-----	2.3	2.0	0.3	1.7	1.5	0.2	49.70
(639,7071)	2	SOV	---	---	0	429.0	-----	2.2	2.1	0.1	1.7	1.6	0.1	50.58
(7072, 642)	1	SOV	---	---	0	122.0	-----	2.3	1.9	0.4	1.8	1.4	0.3	46.07
(7072, 642)	2	SOV	---	---	0	514.0	-----	2.2	1.9	0.3	1.7	1.5	0.2	48.40
(641,7073)	1	SOV	---	---	0	46.0	-----	2.4	2.4	0.0	1.9	1.8	0.0	49.34
(641,7073)	2	SOV	---	---	1	951.7	-----	2.6	2.5	0.1	2.0	2.0	0.0	45.50
(661,7074)	1	SOV	---	---	0	76.0	-----	2.9	2.6	0.3	2.2	2.0	0.2	44.92
(7075, 662)	1	SOV	---	---	0	300.3	-----	4.4	3.8	0.6	3.4	2.9	0.5	44.04
(7075, 662)	2	SOV	---	---	0	881.9	-----	4.2	3.9	0.3	3.2	3.0	0.2	46.99
(645,7076)	1	SOV	---	---	0	4.0	-----	3.0	3.0	0.0	2.3	2.3	0.0	53.34

(645,7076)	2	SOV	---	---	1	590.3	-----	3.2	3.2	0.0	2.5	2.5	0.0	50.07
(645,7076)	3	SOV	---	---	2	853.0	-----	3.4	3.3	0.1	2.6	2.5	0.1	46.89
(7077, 646)	1	SOV	---	---	0	92.7	-----	3.1	3.0	0.2	2.4	2.3	0.1	34.66
(7084, 857)	1	SOV	---	---	0	201.9	-----	2.6	2.3	0.3	2.0	1.8	0.2	49.19
(857, 858)	1	SOV	---	---	0	184.0	-----	4.0	3.9	0.1	3.1	3.0	0.1	53.42
(859,7085)	1	SOV	---	---	0	337.2	-----	6.2	6.0	0.2	4.8	4.7	0.1	52.92
(7086, 860)	1	SOV	---	---	0	27.0	-----	5.8	5.7	0.1	4.5	4.4	0.1	54.80
(860, 861)	1	SOV	---	---	0	26.0	-----	5.6	5.6	0.0	4.3	4.3	0.0	55.34
(866,7087)	1	SOV	---	---	0	63.0	-----	3.9	3.8	0.1	3.0	3.0	0.1	53.70
(873,7088)	1	SOV	---	---	1	68.3	-----	6.8	6.8	0.0	5.3	5.3	0.0	55.42
(7089, 874)	1	SOV	---	---	0	60.8	-----	3.7	3.6	0.2	2.9	2.8	0.1	52.69
(874, 875)	1	SOV	---	---	0	57.0	-----	3.7	3.6	0.0	2.8	2.8	0.0	54.53
(876,7090)	1	SOV	---	---	2	142.3	-----	5.9	5.8	0.1	4.6	4.5	0.0	54.76
(7091, 877)	1	SOV	---	---	0	93.6	-----	5.1	3.6	1.5	3.9	2.8	1.2	39.59
(877, 878)	1	SOV	---	---	0	88.0	-----	4.6	4.3	0.2	3.5	3.3	0.2	51.82
(879, 880)	1	SOV	---	---	4	999.5	-----	13.8	13.7	0.2	10.7	10.6	0.1	64.49
(879, 880)	2	SOV	---	---	5	1030.3	-----	13.9	13.7	0.2	10.8	10.6	0.1	64.16
(880, 881)	1	SOV	---	---	8	997.5	-----	19.8	19.4	0.3	15.3	15.0	0.3	64.20
(880, 881)	2	SOV	---	---	7	999.4	-----	19.9	19.5	0.4	15.4	15.1	0.3	63.70
(881, 882)	1	SOV	---	---	5	1020.9	-----	16.3	15.9	0.4	12.6	12.3	0.3	63.57
(881, 882)	2	SOV	---	---	5	975.3	-----	16.4	16.0	0.5	12.7	12.4	0.4	63.10
(882, 883)	1	SOV	---	---	4	1031.0	-----	16.2	15.7	0.5	12.6	12.2	0.4	63.07
(882, 883)	2	SOV	---	---	3	963.1	-----	16.2	15.7	0.5	12.6	12.2	0.4	62.98
(883, 884)	1	SOV	---	---	2	974.7	-----	13.0	12.6	0.4	10.0	9.7	0.3	63.12
(883, 884)	2	SOV	---	---	3	951.9	-----	13.0	12.6	0.4	10.1	9.8	0.3	62.84
(883, 873)	1	SOV	---	---	0	69.0	-----	7.4	7.4	0.0	5.7	5.7	0.0	55.35
(884, 885)	1	SOV	---	---	3	975.2	-----	12.0	11.6	0.4	9.3	9.0	0.3	63.05

(884, 885)	2	SOV	---	---	2	953.6	-----	12.0	11.6	0.4	9.3	9.0	0.3	62.74
(885, 886)	1	SOV	---	---	3	969.1	-----	14.9	14.3	0.5	11.5	11.1	0.4	62.86
(885, 886)	2	SOV	---	---	4	959.3	-----	14.9	14.4	0.5	11.6	11.1	0.4	62.60
(886, 887)	1	SOV	---	---	2	1012.9	-----	16.4	15.7	0.7	12.7	12.1	0.5	62.55
(886, 887)	2	SOV	---	---	3	969.0	-----	16.4	15.7	0.6	12.7	12.2	0.5	62.51
(886, 887)	9	SOV	---	---	0	2.8	-----	21.1	16.7	4.4	16.2	12.9	3.4	48.51
(887, 888)	1	SOV	---	---	5	1005.0	-----	16.8	16.1	0.6	13.0	12.5	0.5	62.76
(887, 888)	2	SOV	---	---	9	977.5	-----	16.8	16.2	0.6	13.0	12.5	0.5	62.52
(875, 886)	1	SOV	---	---	0	57.0	-----	5.3	5.3	0.0	4.1	4.1	0.0	54.83
(888, 889)	1	SOV	---	---	4	1010.7	-----	18.2	17.5	0.7	14.1	13.6	0.6	62.62
(888, 889)	2	SOV	---	---	2	969.8	-----	18.3	17.6	0.7	14.2	13.6	0.6	62.45
(889, 890)	1	SOV	---	---	4	1021.8	-----	12.1	11.6	0.5	9.3	9.0	0.4	62.53
(889, 890)	2	SOV	---	---	5	969.3	-----	12.1	11.6	0.5	9.4	9.0	0.4	62.18
(890, 891)	1	SOV	---	---	10	1010.9	-----	19.0	18.2	0.8	14.7	14.1	0.6	62.38
(890, 891)	2	SOV	---	---	4	974.1	-----	19.1	18.3	0.9	14.8	14.1	0.7	62.07
(891, 892)	1	SOV	---	---	4	1004.5	-----	14.3	13.7	0.6	11.1	10.6	0.5	62.49
(891, 892)	2	SOV	---	---	3	979.3	-----	14.4	13.7	0.7	11.1	10.6	0.5	62.05
(892, 893)	1	SOV	---	---	9	1000.8	-----	33.4	32.0	1.4	25.8	24.8	1.0	62.59
(892, 893)	2	SOV	---	---	12	977.0	-----	33.6	32.1	1.5	26.1	24.9	1.2	62.14
(893, 894)	1	SOV	---	---	8	1001.0	-----	39.5	37.8	1.7	30.6	29.2	1.3	62.40
(893, 894)	2	SOV	---	---	12	975.4	-----	39.7	37.9	1.8	30.7	29.4	1.4	62.14
(894, 895)	1	SOV	---	---	9	996.1	-----	24.2	23.1	1.0	18.7	17.9	0.8	62.39
(894, 895)	2	SOV	---	---	7	983.1	-----	24.3	23.2	1.1	18.9	18.0	0.9	62.03
(895, 896)	1	SOV	---	---	11	998.3	-----	37.8	36.1	1.7	29.3	27.9	1.3	62.26
(895, 896)	2	SOV	---	---	8	979.6	-----	37.9	36.1	1.8	29.4	28.0	1.4	62.04
(896, 897)	1	SOV	---	---	9	994.3	-----	40.5	38.6	1.9	31.4	29.9	1.5	62.19
(896, 897)	2	SOV	---	---	12	980.7	-----	40.6	38.7	1.9	31.4	30.0	1.4	62.12
(897, 898)	1	SOV	---	---	9	992.6	-----	22.4	21.3	1.1	17.3	16.5	0.8	62.13
(897, 898)	2	SOV	---	---	4	987.8	-----	22.4	21.4	1.0	17.3	16.5	0.8	62.15
(898, 899)	1	SOV	---	---	5	1006.2	-----	16.5	15.7	0.8	12.8	12.2	0.6	61.96
(898, 899)	2	SOV	---	---	7	973.3	-----	16.5	15.7	0.8	12.7	12.2	0.6	62.10

(899, 900)	1	SOV	---	---	5	962.7	-----	17.9	17.2	0.7	13.9	13.3	0.6	62.67
(899, 900)	2	SOV	---	---	6	951.0	-----	18.1	17.3	0.8	14.0	13.4	0.6	62.16
(899, 866)	1	SOV	---	---	0	63.0	-----	7.8	7.7	0.1	6.1	6.0	0.1	54.34
(900, 901)	1	SOV	---	---	10	973.7	-----	21.1	20.1	0.9	16.3	15.6	0.7	62.63
(900, 901)	2	SOV	---	---	7	934.1	-----	21.3	20.3	0.9	16.4	15.7	0.7	62.07
(901, 902)	1	SOV	---	---	2	1109.6	-----	16.8	15.6	1.1	13.0	12.1	0.9	61.03
(901, 902)	2	SOV	---	---	1	967.4	-----	16.6	15.7	0.8	12.8	12.2	0.7	61.73
(901, 902)	9	SOV	---	---	0	9.4	-----	22.8	18.2	4.6	17.6	14.1	3.6	44.79
(902, 903)	1	SOV	---	---	4	1082.5	-----	16.6	15.8	0.8	12.8	12.2	0.6	62.11
(902, 903)	2	SOV	---	---	3	1001.8	-----	16.6	15.8	0.8	12.8	12.2	0.6	62.14
(858, 901)	1	SOV	---	---	0	184.0	-----	10.2	9.8	0.3	7.8	7.6	0.2	53.45
(903, 904)	1	SOV	---	---	9	1064.3	-----	19.0	18.1	0.9	14.7	14.0	0.7	62.08
(903, 904)	2	SOV	---	---	4	1012.0	-----	19.0	18.1	0.9	14.7	14.0	0.7	62.16
(904, 905)	1	SOV	---	---	6	1051.0	-----	14.7	14.0	0.7	11.4	10.9	0.5	62.05
(904, 905)	2	SOV	---	---	10	1014.9	-----	14.7	14.0	0.7	11.4	10.8	0.5	62.16
(906, 907)	1	SOV	---	---	5	1224.1	-----	14.4	14.2	0.2	11.2	11.0	0.2	63.88
(906, 907)	2	SOV	---	---	5	1306.0	-----	14.4	14.2	0.2	11.2	11.0	0.2	63.92
(907, 908)	1	SOV	---	---	11	1258.5	-----	22.0	21.4	0.6	17.1	16.6	0.5	63.10
(907, 908)	2	SOV	---	---	7	1236.1	-----	21.9	21.4	0.6	17.0	16.5	0.4	63.38
(908, 909)	1	SOV	---	---	7	1350.7	-----	16.6	15.9	0.7	12.9	12.3	0.6	61.50
(908, 909)	2	SOV	---	---	5	1138.9	-----	16.3	15.7	0.6	12.6	12.1	0.5	62.75
(909, 910)	1	SOV	---	---	3	1020.1	-----	14.4	13.9	0.5	11.2	10.8	0.4	62.51
(909, 910)	2	SOV	---	---	1	1134.2	-----	14.4	13.9	0.5	11.1	10.7	0.4	62.73
(909, 859)	1	SOV	---	---	0	337.0	-----	9.7	9.5	0.2	7.5	7.4	0.1	53.81
(910, 911)	1	SOV	---	---	5	1061.4	-----	17.3	16.7	0.6	13.4	12.9	0.5	62.71
(910, 911)	2	SOV	---	---	7	1098.3	-----	17.4	16.7	0.7	13.4	12.9	0.5	62.54
(911, 912)	1	SOV	---	---	5	1077.4	-----	15.9	15.3	0.6	12.3	11.8	0.5	62.73
(911, 912)	2	SOV	---	---	2	1082.4	-----	16.0	15.4	0.6	12.4	11.9	0.5	62.45
(861, 912)	1	SOV	---	---	0	26.0	-----	6.2	6.2	0.0	4.8	4.8	0.0	55.43
(912, 913)	1	SOV	---	---	4	1093.2	-----	16.4	15.7	0.7	12.7	12.1	0.5	62.43
(912, 913)	2	SOV	---	---	4	1095.7	-----	16.4	15.7	0.7	12.7	12.2	0.5	62.29

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(912, 913)	9	SOV	---	---	0	1.6	-----	21.5	16.2	5.2	16.6	12.5	4.0	47.66
(913, 914)	1	SOV	---	---	1	1096.6	-----	17.2	16.5	0.7	13.3	12.7	0.6	62.36
(913, 914)	2	SOV	---	---	7	1095.2	-----	17.2	16.5	0.7	13.3	12.8	0.6	62.16
(914, 915)	1	SOV	---	---	11	1106.4	-----	34.0	32.4	1.5	26.3	25.1	1.2	62.15
(914, 915)	2	SOV	---	---	13	1088.5	-----	34.1	32.5	1.6	26.4	25.1	1.2	61.95
(915, 916)	1	SOV	---	---	9	1085.1	-----	34.3	32.7	1.6	26.6	25.3	1.2	62.01
(915, 916)	2	SOV	---	---	12	1103.0	-----	34.4	32.7	1.7	26.6	25.3	1.3	61.83
(916, 917)	1	SOV	---	---	8	1084.7	-----	31.3	29.7	1.5	24.2	23.0	1.2	61.86
(916, 917)	2	SOV	---	---	12	1101.7	-----	31.3	29.7	1.5	24.2	23.0	1.2	61.82
(917, 918)	1	SOV	---	---	9	1072.9	-----	24.5	23.3	1.2	19.0	18.0	0.9	61.84
(917, 918)	2	SOV	---	---	9	1103.5	-----	24.5	23.3	1.2	18.9	18.0	1.0	61.78
(918, 919)	1	SOV	---	---	2	1053.8	-----	31.6	30.0	1.6	24.4	23.2	1.2	61.75
(918, 919)	2	SOV	---	---	5	1137.9	-----	31.6	29.9	1.6	24.4	23.2	1.3	61.74
(919, 920)	1	SOV	---	---	9	1077.0	-----	32.7	31.1	1.7	25.4	24.1	1.3	61.77
(919, 920)	2	SOV	---	---	10	1119.4	-----	32.8	31.1	1.7	25.4	24.0	1.3	61.63
(920, 921)	1	SOV	---	---	8	1101.4	-----	20.0	19.0	1.1	15.5	14.7	0.8	61.75
(920, 921)	2	SOV	---	---	3	1097.1	-----	20.1	19.0	1.0	15.5	14.7	0.8	61.56
(921, 922)	1	SOV	---	---	9	1082.5	-----	19.1	18.1	1.0	14.8	14.0	0.8	61.64
(921, 922)	2	SOV	---	---	6	1115.1	-----	19.1	18.1	1.0	14.8	14.0	0.8	61.56
(922, 923)	1	SOV	---	---	6	1095.2	-----	19.2	18.2	1.0	14.9	14.1	0.8	61.64
(922, 923)	2	SOV	---	---	8	1099.0	-----	19.3	18.3	1.0	14.9	14.1	0.8	61.52
(923, 924)	1	SOV	---	---	3	1093.4	-----	21.6	20.5	1.1	16.7	15.9	0.9	61.67
(923, 924)	2	SOV	---	---	6	1102.4	-----	21.6	20.5	1.1	16.7	15.9	0.9	61.67
(924, 925)	1	SOV	---	---	10	1123.4	-----	20.6	19.4	1.2	16.0	15.0	1.0	60.90
(924, 925)	2	SOV	---	---	10	1074.7	-----	20.4	19.3	1.0	15.8	15.0	0.8	61.71
(925, 926)	1	SOV	---	---	7	993.6	-----	23.6	22.4	1.2	18.2	17.3	0.9	61.77
(925, 926)	2	SOV	---	---	3	1054.8	-----	23.6	22.4	1.2	18.3	17.4	0.9	61.64
(925, 876)	1	SOV	---	---	1	143.2	-----	10.0	9.9	0.1	7.7	7.7	0.0	55.00
(926, 927)	1	SOV	---	---	7	1013.6	-----	17.3	16.4	0.9	13.4	12.7	0.7	61.82
(926, 927)	2	SOV	---	---	4	1029.2	-----	17.4	16.5	0.9	13.5	12.8	0.7	61.52
(878, 927)	1	SOV	---	---	0	89.0	-----	3.7	3.7	0.0	2.9	2.8	0.0	54.39

(927, 928)	1	SOV	---	---	4	1097.4	-----	16.7	15.7	1.0	12.9	12.1	0.7	61.42
(927, 928)	2	SOV	---	---	3	1030.0	-----	16.7	15.8	0.9	12.9	12.2	0.7	61.41
(927, 928)	9	SOV	---	---	0	3.4	-----	19.1	17.9	1.2	14.8	13.8	0.9	53.41
(928, 929)	1	SOV	---	---	7	1086.7	-----	15.4	14.6	0.8	11.9	11.3	0.6	61.74
(928, 929)	2	SOV	---	---	6	1037.4	-----	15.5	14.7	0.8	12.0	11.3	0.6	61.50
(929, 930)	1	SOV	---	---	8	1061.7	-----	19.1	18.1	1.0	14.7	14.0	0.8	61.68
(929, 930)	2	SOV	---	---	4	1054.4	-----	19.1	18.1	1.0	14.7	14.0	0.7	61.70
(930, 931)	1	SOV	---	---	7	1061.2	-----	12.8	12.1	0.7	9.9	9.4	0.5	61.47
(930, 931)	2	SOV	---	---	3	1046.1	-----	12.7	12.1	0.6	9.8	9.4	0.5	61.70
(407, 369)	1	SOV	---	---	10	1490.2	-----	18.2	17.2	1.0	14.0	13.3	0.7	51.81
(407, 369)	2	SOV	---	---	8	1394.7	-----	18.2	17.2	1.0	14.1	13.3	0.8	51.63
(162, 165)	1	SOV	---	---	1	816.4	-----	9.6	9.4	0.1	7.4	7.3	0.1	64.25
(162, 165)	2	SOV	---	---	4	1344.9	-----	9.7	9.5	0.2	7.5	7.3	0.1	63.58
(162, 165)	3	SOV	---	---	3	1396.6	-----	9.7	9.5	0.2	7.5	7.3	0.2	63.56
(162, 165)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(165, 166)	1	SOV	---	---	1	851.3	-----	7.9	7.8	0.1	6.1	6.1	0.1	64.46
(165, 166)	2	SOV	---	---	2	1290.2	-----	8.0	7.9	0.1	6.2	6.1	0.1	63.84
(165, 166)	3	SOV	---	---	4	1348.6	-----	8.0	7.9	0.1	6.2	6.1	0.1	63.78
(165, 166)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(386, 167)	1	SOV	---	---	3	1448.5	-----	8.7	8.0	0.6	6.7	6.2	0.5	59.07
(386, 167)	2	SOV	---	---	3	1434.3	-----	8.2	7.9	0.3	6.3	6.1	0.2	62.49
(386, 167)	3	SOV	---	---	3	1247.8	-----	8.1	7.7	0.4	6.3	6.0	0.3	63.10
(386, 167)	4	HOV	4	4	0	4.0	4.0	7.4	7.4	0.0	5.8	5.8	0.0	69.41
(386, 167)	9	SOV	---	---	0	32.1	-----	10.3	8.7	1.6	7.9	6.7	1.2	49.75
(167, 168)	1	SOV	---	---	5	1419.1	-----	8.5	8.1	0.5	6.6	6.2	0.4	60.05
(167, 168)	2	SOV	---	---	1	1473.6	-----	8.2	7.9	0.3	6.3	6.1	0.2	62.52
(167, 168)	3	SOV	---	---	2	1271.2	-----	8.1	7.7	0.4	6.3	6.0	0.3	62.93
(167, 168)	4	HOV	4	4	0	4.0	4.0	7.4	7.4	0.0	5.8	5.8	0.0	69.26
(168, 169)	1	SOV	---	---	2	1398.6	-----	9.0	8.7	0.4	7.0	6.7	0.3	60.58
(168, 169)	2	SOV	---	---	3	1475.5	-----	8.7	8.4	0.3	6.7	6.5	0.2	62.73
(168, 169)	3	SOV	---	---	2	1288.7	-----	8.7	8.3	0.4	6.7	6.4	0.3	62.95
(168, 169)	4	HOV	4	4	0	4.0	4.0	7.9	7.9	0.0	6.2	6.2	0.0	69.31
(404, 170)	1	SOV	---	---	0	205.0	-----	3.6	3.6	0.0	2.8	2.7	0.0	54.40
(7018, 171)	1	SOV	---	---	0	431.9	-----	2.9	2.5	0.4	2.2	1.9	0.3	43.49

(171, 172)	1	SOV	---	---	0	392.0	-----	2.6	2.5	0.1	2.0	1.9	0.1	48.32
(172, 387)	1	SOV	---	---	0	392.0	-----	2.7	2.5	0.2	2.1	1.9	0.1	49.89
(7020, 174)	1	SOV	---	---	0	373.1	-----	3.3	3.0	0.3	2.5	2.3	0.2	45.68
(174, 175)	1	SOV	---	---	1	344.4	-----	3.3	3.3	0.1	2.6	2.5	0.1	49.29
(175, 386)	1	SOV	---	---	1	344.6	-----	3.8	3.6	0.2	2.9	2.8	0.1	51.81
(385, 173)	1	SOV	---	---	0	414.0	-----	3.3	3.2	0.1	2.5	2.5	0.1	53.36
(173,7019)	1	SOV	---	---	0	414.0	-----	3.2	3.2	0.1	2.5	2.5	0.1	50.64
(170,7017)	1	SOV	---	---	0	205.0	-----	3.7	3.7	0.1	2.9	2.8	0.0	51.22
(151, 344)	1	SOV	---	---	0	736.2	-----	7.9	7.6	0.4	6.1	5.8	0.3	52.25
(151, 344)	2	SOV	---	---	0	59.5	-----	8.2	7.1	1.1	6.4	5.5	0.9	50.27
(344,7026)	1	SOV	---	---	0	5.0	-----	3.7	2.9	0.8	2.9	2.2	0.6	38.05
(344,7026)	2	SOV	---	---	1	791.5	-----	3.2	2.8	0.4	2.5	2.2	0.3	44.82
(7007, 208)	1	SOV	---	---	0	150.7	-----	3.0	2.5	0.5	2.3	1.9	0.4	38.14
(209, 180)	1	SOV	---	---	0	134.0	-----	3.7	3.5	0.2	2.9	2.7	0.1	51.19
(396, 397)	1	SOV	---	---	11	1106.3	-----	19.3	18.5	0.8	14.9	14.3	0.6	62.02
(396, 397)	2	SOV	---	---	9	1268.0	-----	19.0	18.5	0.6	14.7	14.3	0.4	63.02
(396, 397)	3	SOV	---	---	7	1007.7	-----	19.2	18.4	0.7	14.8	14.2	0.6	62.51
(396, 397)	4	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(399, 402)	1	SOV	---	---	3	582.7	-----	17.9	16.8	1.1	13.8	12.9	0.9	51.96
(399, 402)	2	SOV	---	---	2	749.1	-----	17.6	17.1	0.5	13.6	13.2	0.4	52.74
(559, 407)	1	SOV	---	---	4	1565.7	-----	6.8	6.2	0.6	5.3	4.8	0.5	45.66
(559, 407)	6	SOV	---	---	3	1316.9	-----	6.8	6.4	0.4	5.2	4.9	0.3	45.98
(370, 416)	1	SOV	---	---	1	419.0	-----	4.0	3.8	0.1	3.1	3.0	0.1	53.26
(403, 310)	1	SOV	---	---	1	1056.3	-----	11.2	9.3	1.9	8.6	7.2	1.5	45.25
(403, 310)	2	SOV	---	---	1	274.4	-----	12.8	9.7	3.1	9.9	7.5	2.4	39.56
(383, 314)	1	SOV	---	---	5	1425.9	-----	14.7	12.7	1.9	11.3	9.9	1.5	47.44
(381, 315)	1	SOV	---	---	0	420.0	-----	3.5	3.3	0.2	2.7	2.6	0.2	50.75
(380, 381)	1	SOV	---	---	1	420.7	-----	3.7	3.5	0.1	2.8	2.7	0.1	48.91

(7029, 380)	1	SOV	---	---	2	447.1	-----	4.5	4.2	0.3	3.5	3.2	0.3	46.71
(316, 309)	1	SOV	---	---	4	1633.7	-----	3.9	3.5	0.4	3.0	2.7	0.3	49.37
(349, 352)	1	SOV	---	---	0	523.1	-----	9.9	9.7	0.3	7.7	7.5	0.2	48.59
(352,7027)	1	SOV	---	---	0	524.5	-----	2.5	2.3	0.2	1.9	1.8	0.1	46.15
(346, 347)	1	SOV	---	---	0	0.0	-----	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(599, 678)	1	SOV	---	---	1	357.6	-----	4.8	4.7	0.1	3.7	3.7	0.1	56.07
(599, 678)	2	SOV	---	---	1	930.6	-----	5.1	5.0	0.1	4.0	3.9	0.1	52.73
(685, 601)	1	SOV	---	---	0	0.0	-----	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(603, 688)	1	SOV	---	---	1	657.5	-----	10.7	10.6	0.1	8.3	8.1	0.1	49.55
(603, 688)	2	SOV	---	---	0	569.0	-----	9.6	9.6	0.1	7.5	7.4	0.1	55.05
(603, 688)	3	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(382, 383)	1	SOV	---	---	0	1424.8	-----	3.0	2.1	0.9	2.3	1.7	0.7	43.60
(368, 369)	1	SOV	---	---	0	431.7	-----	25.7	24.0	1.8	19.9	18.5	1.4	60.34
(368, 369)	2	SOV	---	---	8	620.4	-----	26.0	24.2	1.9	20.1	18.6	1.4	59.69
(368, 369)	3	HOV	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(407, 411)	1	SOV	---	---	0	0.0	-----	0.0	0.0	0.0	0.0	0.0	0.0	0.00
(406, 412)	1	SOV	---	---	0	449.3	-----	5.6	5.3	0.3	4.3	4.1	0.2	41.89
(406, 412)	2	SOV	---	---	0	121.7	-----	5.8	5.0	0.8	4.5	3.9	0.6	40.65
(412,7041)	1	SOV	---	---	0	13.0	-----	4.2	3.0	1.3	3.3	2.3	1.0	31.97
(412,7041)	2	SOV	---	---	0	558.0	-----	3.9	3.1	0.8	3.0	2.4	0.6	34.72
(7042, 414)	1	SOV	---	---	1	614.3	-----	3.8	3.5	0.3	2.9	2.7	0.2	42.36
(414, 415)	1	SOV	---	---	0	569.6	-----	2.7	2.5	0.2	2.1	1.9	0.2	45.32
(415, 307)	1	SOV	---	---	1	570.1	-----	3.8	3.5	0.2	2.9	2.7	0.2	50.57
(7013, 8)	1	SOV	---	---	1	741.6	-----	3.7	1.8	1.9	2.8	1.4	1.5	33.91
(8, 132)	1	SOV	---	---	2	672.9	-----	2.7	2.1	0.7	2.1	1.6	0.5	44.27