APPENDIX W
FINAL NOISE TECHNICAL REPORT
FILE 4: APPENDICES C, D & E

TECHNICAL REPORT APPENDICES

APPENDIX A	Figures
APPENDIX B	Noise Meter Calibration and Weather Data
APPENDIX C	**Ambient Noise Measurement Logs**
APPENDIX D	Traffic Volumes
APPENDIX E	Predicted Sound Levels
APPENDIX F	TNM Input/Output Tables

Site M-1

NOISE SURVEY SHEET

M-1

EQUIPMENT: METER Norsonics 132 CALIBRATOR EXTECH 407744

CALIBRATION: START 93.2 dB END 93.2 dB

RESPONSE: FAST X SLOW ____ A-WEIGHTING X BATTERY CHECK X

WEATHER DATA: Sunny, high 80's, light wind

TRAFFIC DATA	SR37	
ROAD	NB	SB
AUTOS	230	331
MED TRKS	9	5
HVY TRKS	4	15
BUS	2	1
MC	3	3
DURATION	20	20

DATE: 5/22/12

SITE #: M-1 3139 Big Sky Lane

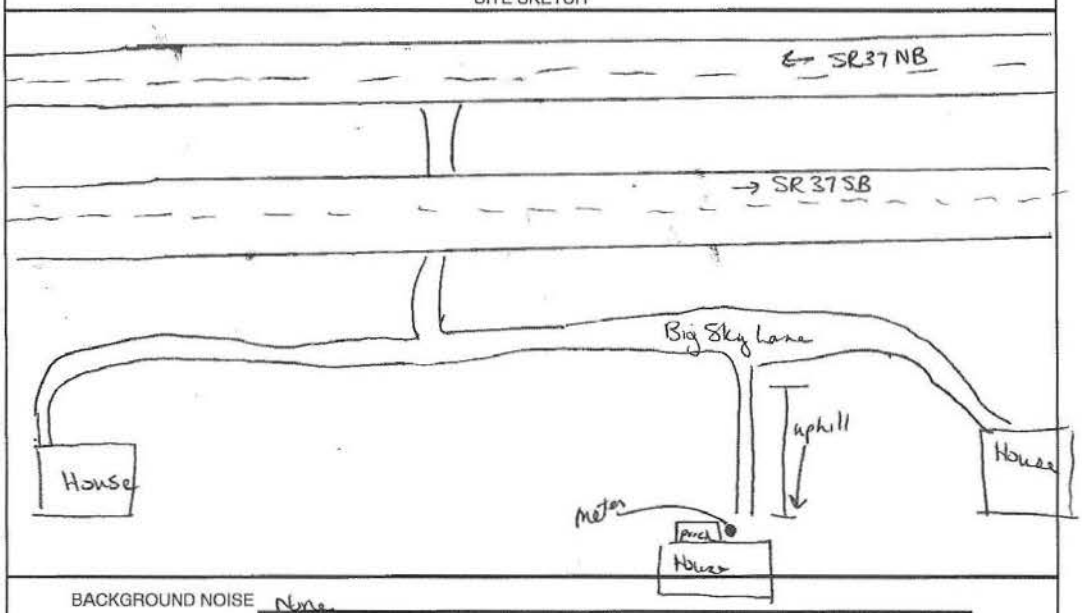
START: 3:55 pm

END: 4:15 pm

LEQ: 59.5

SPEED: ~60 mph

SITE SKETCH



BACKGROUND NOISE None

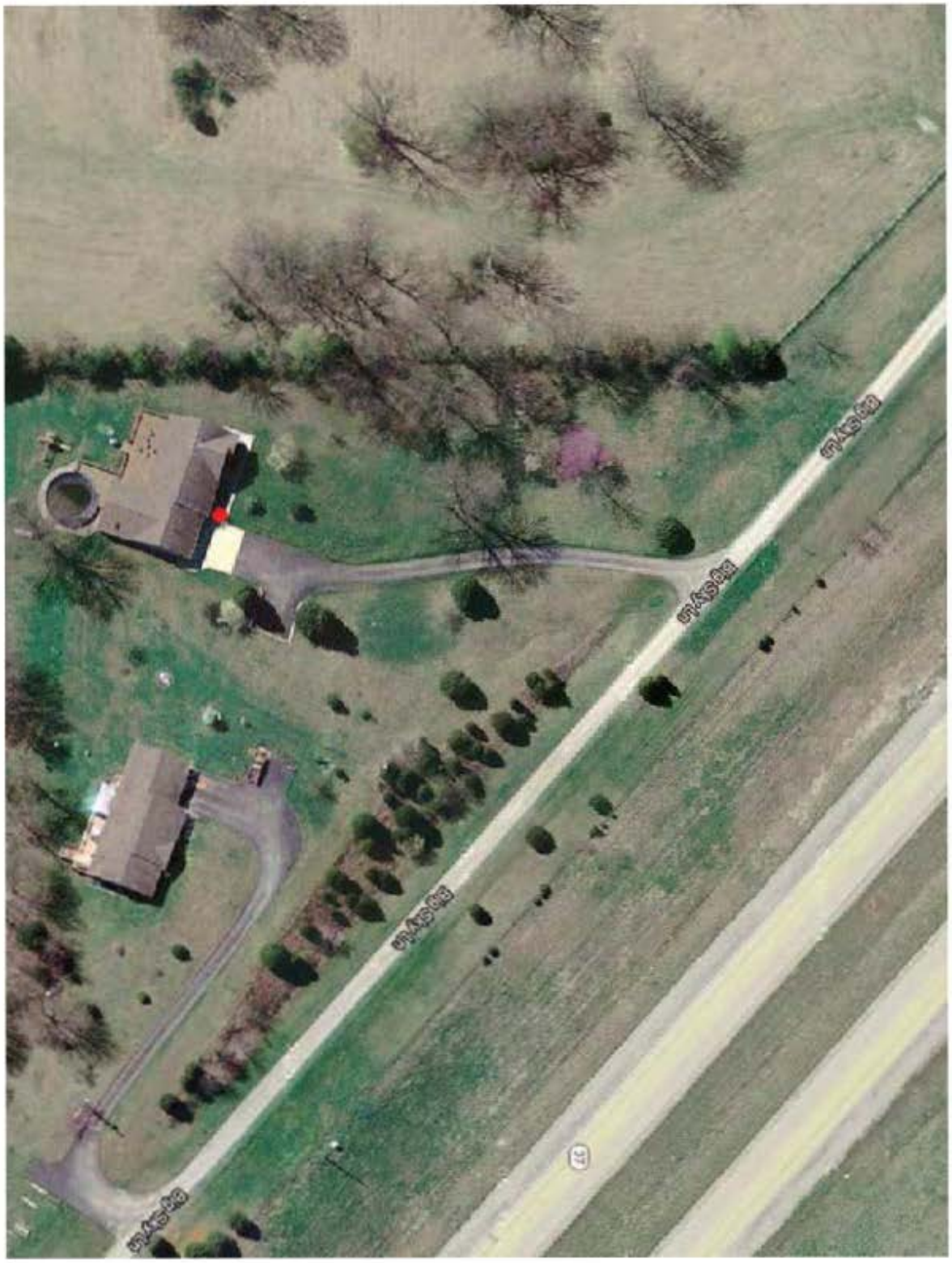
MAJOR SOURCES SR 37

UNUSUAL EVENTS None

OTHER NOTES House is vacant

Michael Baker Jr., Inc. 2005

Site M-1



Site M-2

NOISE SURVEY SHEET

M-2

EQUIPMENT: METER Norsonics 132 CALIBRATOR EXTECH 407744

CALIBRATION: START 93.2 dB END 93.2 dB

RESPONSE: FAST X SLOW ____ A-WEIGHTING X BATTERY CHECK X

WEATHER DATA: Sunny, high 80's, light wind

TRAFFIC DATA		
ROAD	SR37 NB	SR37SB
AUTOS	300	300
MED TRKS	3	3
HVY TRKS	16	16
BUS	3	3
MC	4	4
DURATION	20min	20min

DATE: 5/22/12

SITE #: M-2 3300 Woodcreek Court

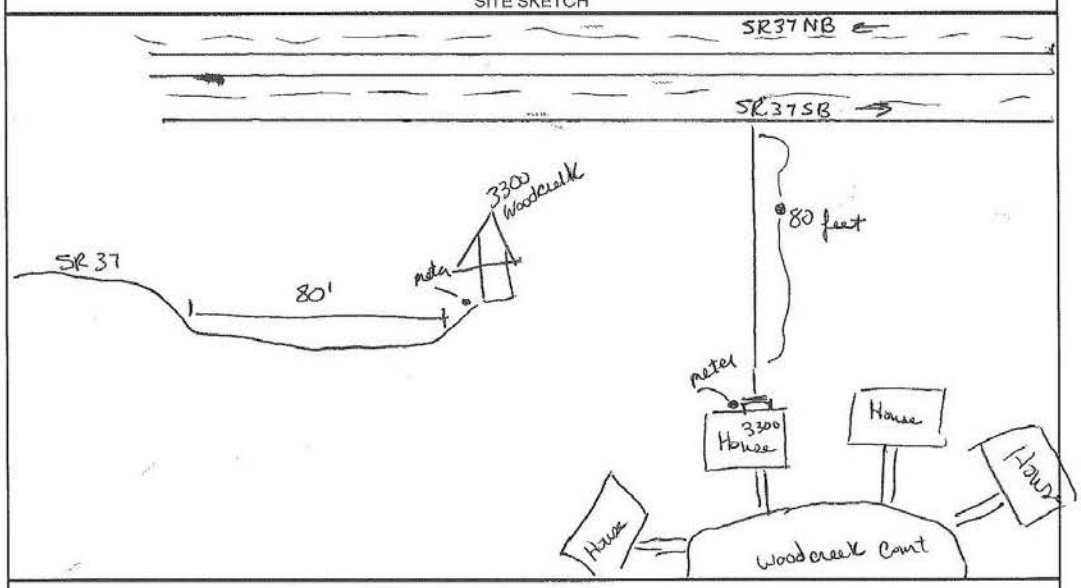
START: 4:31 pm

END: 4:51 pm

LEQ: 59.5

SPEED: ~60mph

SITE SKETCH



BACKGROUND NOISE None

MAJOR SOURCES SR37

UNUSUAL EVENTS None

OTHER NOTES None

Michael Baker Jr., Inc. 2005

Site M-2

W Woodcreek Ct
37 Ruel W Steele Memorial Hwy
37 Ruel W Steele Memorial Hwy

Site M-3

NOISE SURVEY SHEET

M-3

EQUIPMENT: METER Norsonics 132 CALIBRATOR EXTECH 407744

CALIBRATION: START 93.2 dB END 93.2 dB

RESPONSE: FAST X SLOW ____ A-WEIGHTING X BATTERY CHECK X

WEATHER DATA: High 80s, Sunny, light wind

TRAFFIC DATA		
ROAD	SR 37 NB	SR 37 SB
AUTOS	315	618
MED TRKS	3	4
HVY TRKS	5	6
BUS	5	0
MC	3	7
DURATION	20	20

DATE: 5/22/12

SITE #: M-3 3131 S. Yonkers Street

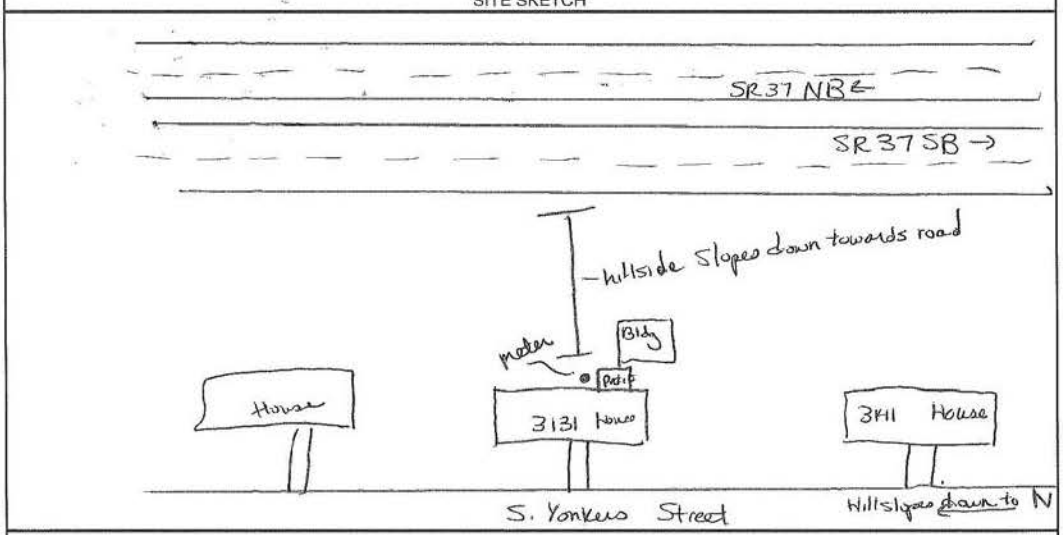
START: 5:08 pm

END: 5:28 pm

LEQ: 64.8

SPEED: ~60 mph

SITE SKETCH



BACKGROUND NOISE ____

MAJOR SOURCES SR 37

UNUSUAL EVENTS ____

OTHER NOTES ____

Michael Baker Jr., Inc. 2005

Site M-3

Site M-4

NOISE SURVEY SHEET

M-4

EQUIPMENT: METER Norsonics 132 CALIBRATOR EXTECH 407744

CALIBRATION: START 93.1 dB END 93.1 dB

RESPONSE: FAST X SLOW ____ A-WEIGHTING X BATTERY CHECK X

WEATHER DATA: Low 50s, light wind, sunny

TRAFFIC DATA		
ROAD	SR 37 NB	SR37 SB
AUTOS	521	246
MED TRKS	6	6
HVY TRKS	5	8
BUS	0	2
MC	5	1
DURATION	20 min	20 min

DATE: 5/22/12

SITE #: M-4: 1602 Oakdale Square Apts

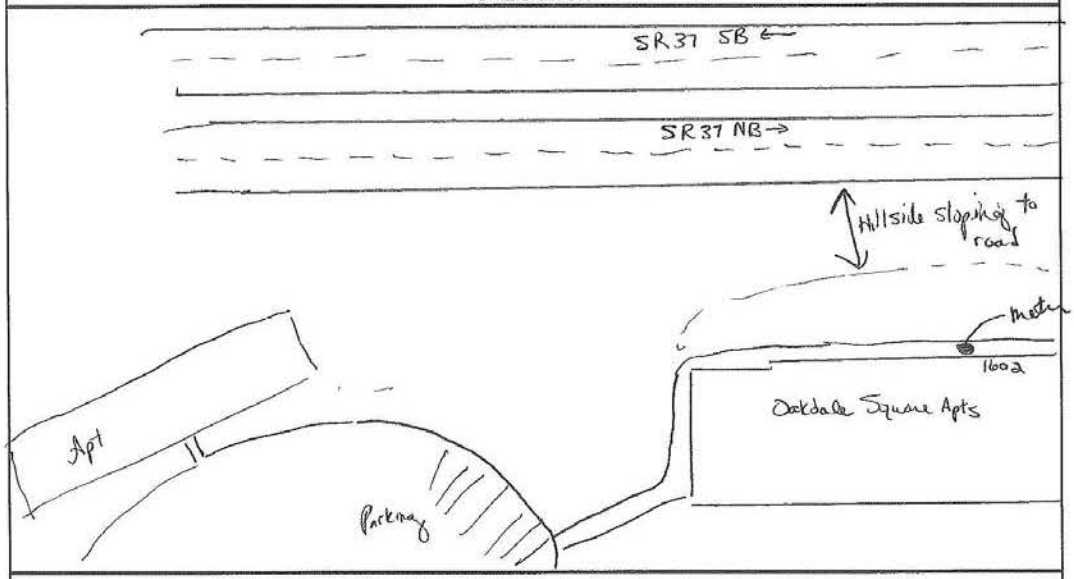
START: 7:33am

END: 7:53am

LEQ: 61.6

SPEED: ~60mph

SITE SKETCH



BACKGROUND NOISE —

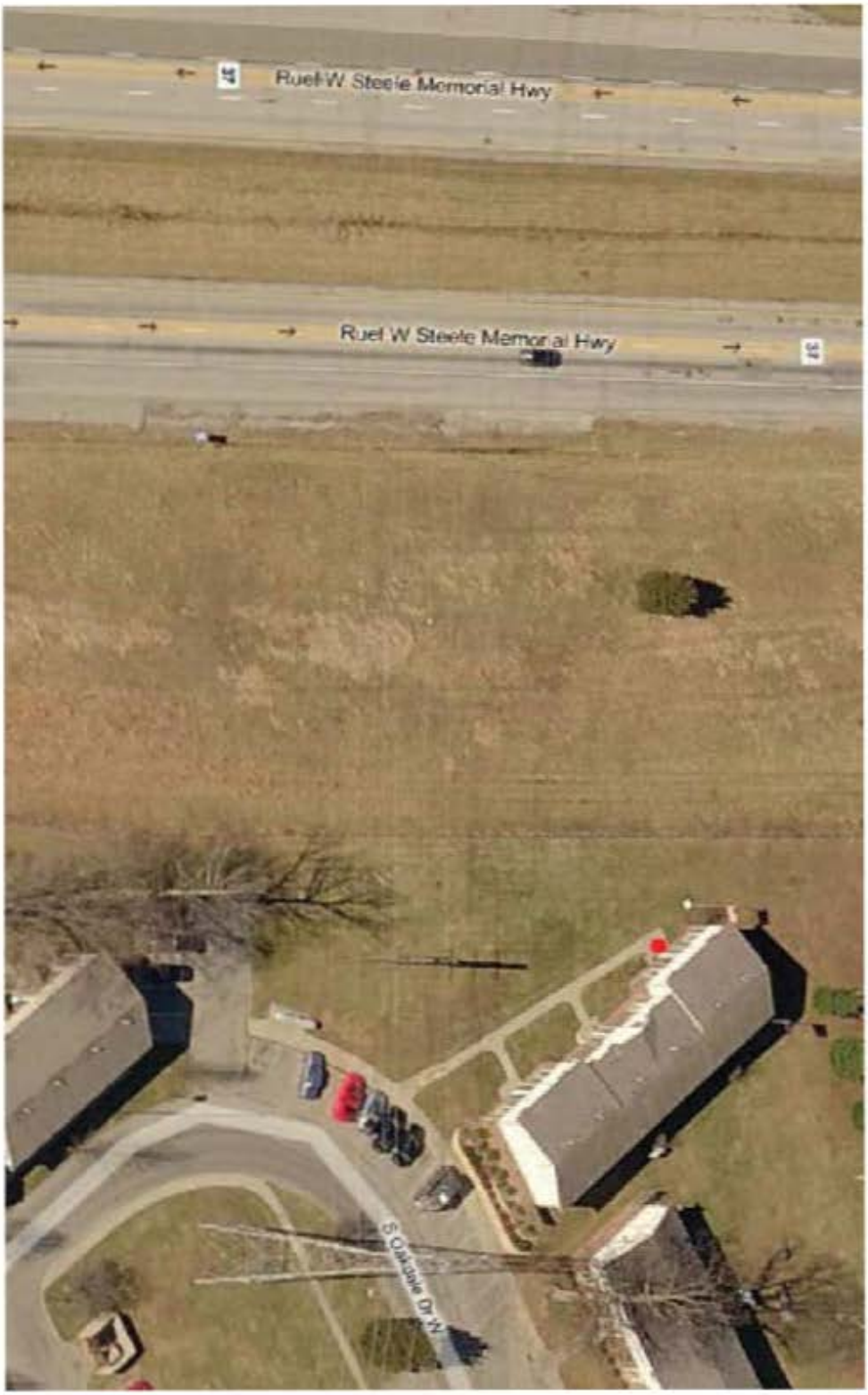
MAJOR SOURCES SR37

UNUSUAL EVENTS —

OTHER NOTES —

Michael Baker Jr., Inc. 2005

Site M-4


Ruel W Steele Memorial Hwy
Ruel W Steele Memorial Hwy
S Oakdale Dr N

Site M-5

NOISE SURVEY SHEET

M-5

EQUIPMENT: METER Norsonics 132 CALIBRATOR EXTECH 407744

CALIBRATION: START 93.1 dB END 93.1 dB

RESPONSE: FAST X SLOW ____ A-WEIGHTING X BATTERY CHECK X

WEATHER DATA: High 50s, sunny, light wind

TRAFFIC DATA SR 37		
ROAD	NB	SB
AUTOS	613	344
MED TRKS	14	6
HVY TRKS	13	24
BUS	1	4
MC	3	2
DURATION	20min	20min

DATE: 5/22/12

SITE #: M-5 Basswood Apts Tennis Court

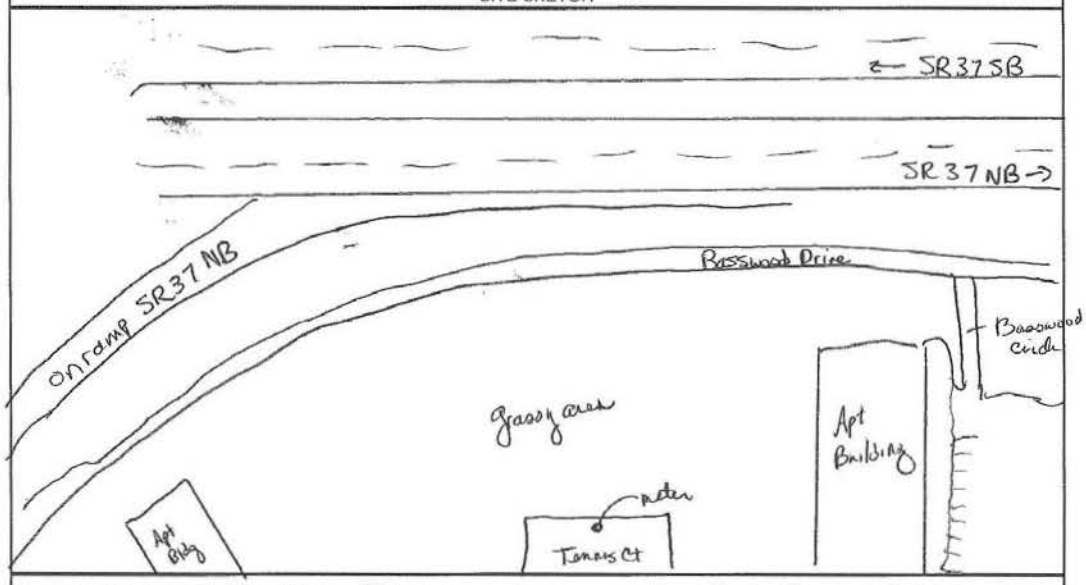
START: 7:48am

END: 8:08am

LEQ: 60.3

SPEED: ~60mph

SITE SKETCH



BACKGROUND NOISE 8 cars, [redacted] 1 bus, 1 motorcycle passed on Basswood Ct in 20 minutes

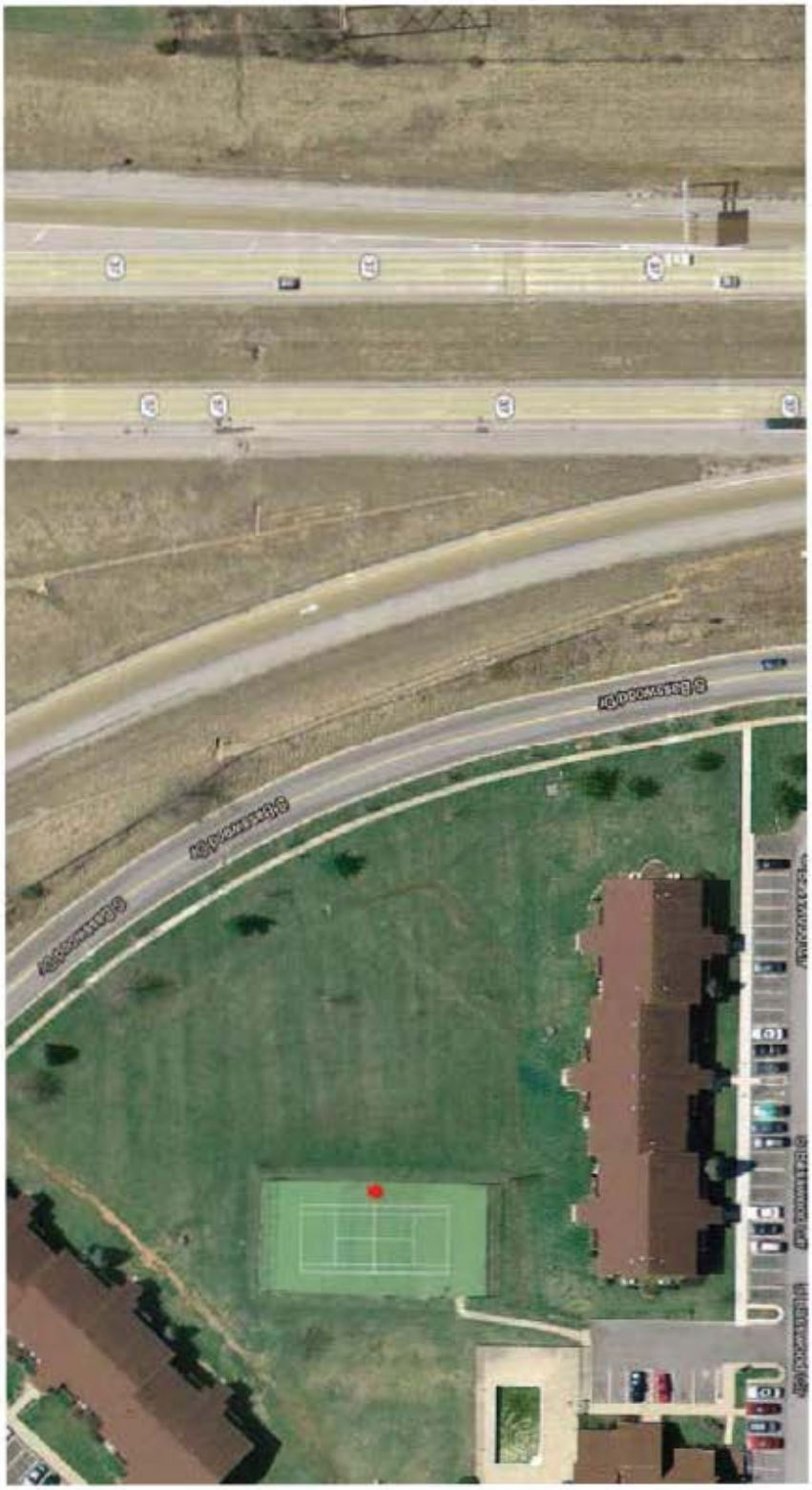
MAJOR SOURCES SR37

UNUSUAL EVENTS Tractor passed by mowing median on SR37

OTHER NOTES —

Michael Baker Jr., Inc. 2005

Site M-5



Site M-6

NOISE SURVEY SHEET

M-6

EQUIPMENT: METER Norsonics 132 CALIBRATOR EXTECH 407744

CALIBRATION: START 93.1 dB END 93.1 dB

RESPONSE: FAST X SLOW ____ A-WEIGHTING X BATTERY CHECK X

WEATHER DATA: Mid 50s, Sunny, light wind

TRAFFIC DATA	SR37	
ROAD		
AUTOS		
MED TRKS		
HVY TRKS		
BUS		
MC		
DURATION	20min	20min

Roadway not visible from location

DATE: 5/22/12

SITE #: M-6 Basketball Ct. Canterbary Townhomes

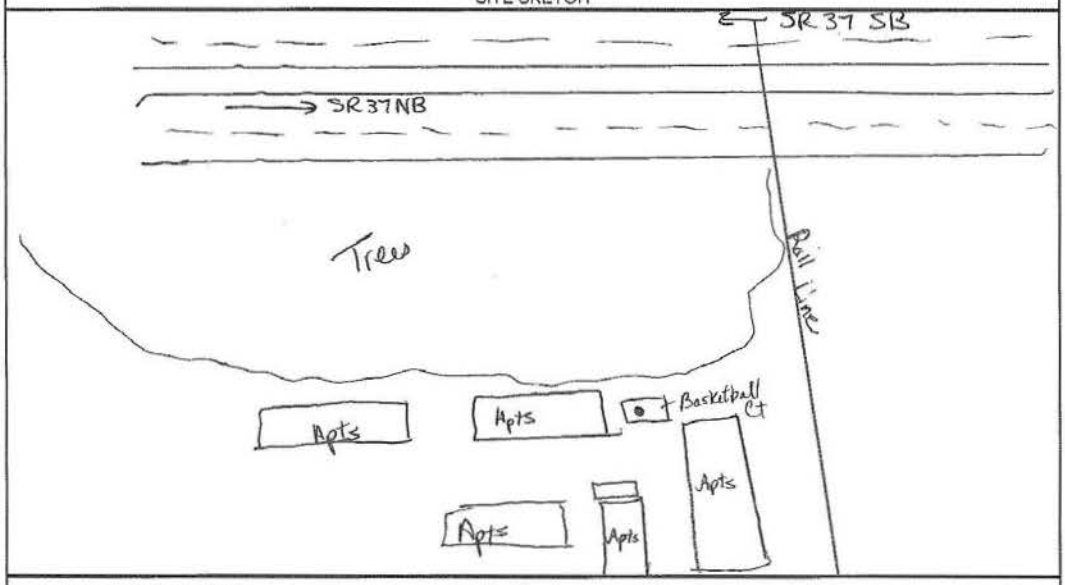
START: 8:17

END: 8:37

LEQ: 51.7

SPEED: unknown

SITE SKETCH



BACKGROUND NOISE ____

MAJOR SOURCES SR 37

UNUSUAL EVENTS ____

OTHER NOTES Road not visible from location.

Michael Baker Jr., Inc. 2005

Site M-6

Site M-7

NOISE SURVEY SHEET

M-7

EQUIPMENT: METER Norsonics 132 CALIBRATOR EXTECH 407744

CALIBRATION: START 93.1 dB END 93.1 dB

RESPONSE: FAST X SLOW ____ A-WEIGHTING X BATTERY CHECK X

WEATHER DATA: high 80s, sunny, light wind

TRAFFIC DATA		
ROAD	SR37NB	
AUTOS	489	
MED TRKS	6	
HVY TRKS	11	
BUS	0	
MC	3	
DURATION	20min	20min

Could only see NB traffic from location

DATE: 5/22/12

SITE #: M-7 Evergreen & Kimble House

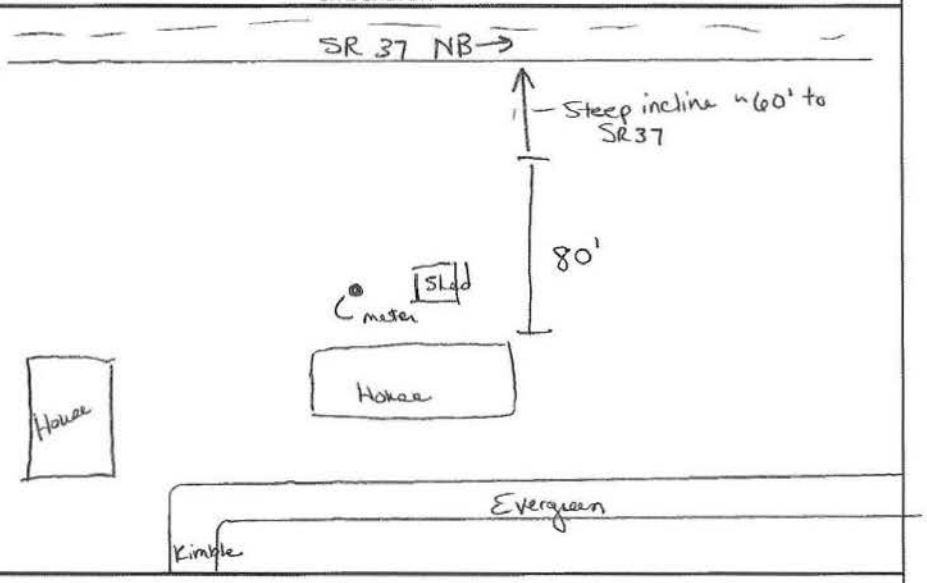
START: 5:40

END: 6:00

LEQ: 58.9

SPEED: ~60mph

SITE SKETCH



BACKGROUND NOISE —

MAJOR SOURCES SR37

UNUSUAL EVENTS Dirt bike passed by on Kimble + Evergreen

OTHER NOTES Could only see NB traffic from meter location

Michael Baker Jr., Inc. 2005

Site M-7

Site M-8

NOISE SURVEY SHEET

M-8

EQUIPMENT: METER Norsonics 132 CALIBRATOR EXTECH 407744

CALIBRATION: START 93.2 dB END 93.2 dB

RESPONSE: FAST X SLOW ____ A-WEIGHTING X BATTERY CHECK X

WEATHER DATA: high 80s, sunny, no wind

TRAFFIC DATA			
ROAD	SR37NB	SR37SB	NB one lane SR37 offramp
AUTOS	249	185	132
MED TRKS	2	2	2
HVY TRKS	7	7	1
BUS	1	0	1
MC	2	1	2
DURATION	20	20	20

DATE: 5/22/12

SITE #: M-8 House at end of Hickory Lane

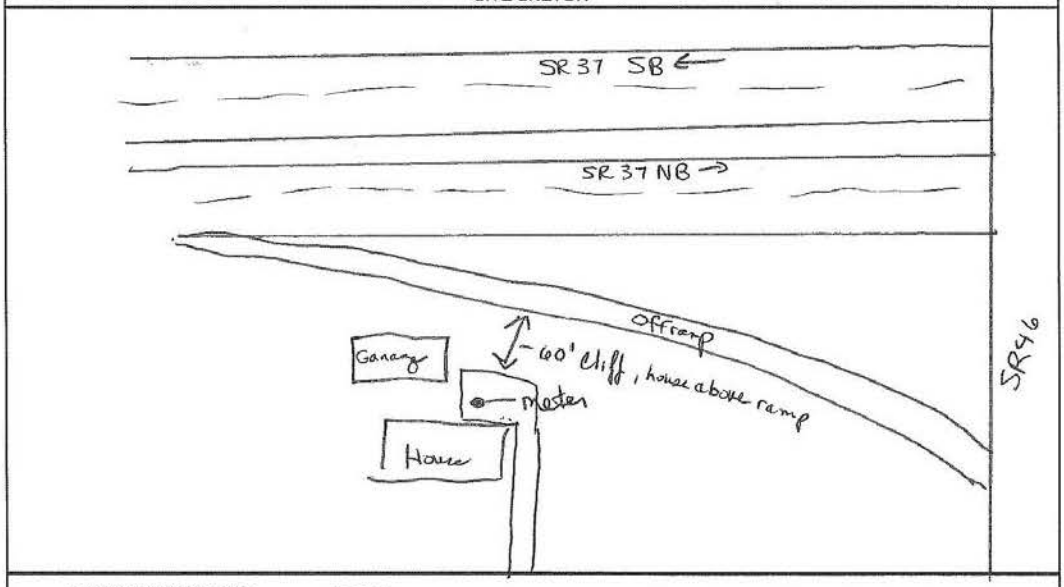
START: 6:18 pm

END: 6:38 pm

LEQ: 66.7

SPEED: ~60mph

SITE SKETCH



BACKGROUND NOISE —

MAJOR SOURCES SR37

UNUSUAL EVENTS dog barked once

OTHER NOTES Counted traffic on NB SR37 offramp, closest to house

Michael Baker Jr., Inc. 2005

Site M-8

Site M-9

NOISE SURVEY SHEET

M-9

EQUIPMENT: METER Norsonics 132 CALIBRATOR EXTECH 407744

CALIBRATION: START 93.1 dB END 93.1 dB

RESPONSE: FAST X SLOW ___ A-WEIGHTING X BATTERY CHECK X

WEATHER DATA: Sunny, high 80s, no wind

TRAFFIC DATA		
ROAD	SR 37 NB	SR 37 SB
AUTOS	138	165
MED TRKS	1	1
HVY TRKS	7	9
BUS	0	0
MC	0	1
DURATION	20min	20min

DATE: 5/22/12

SITE #: M-9 Calvary Baptist Church

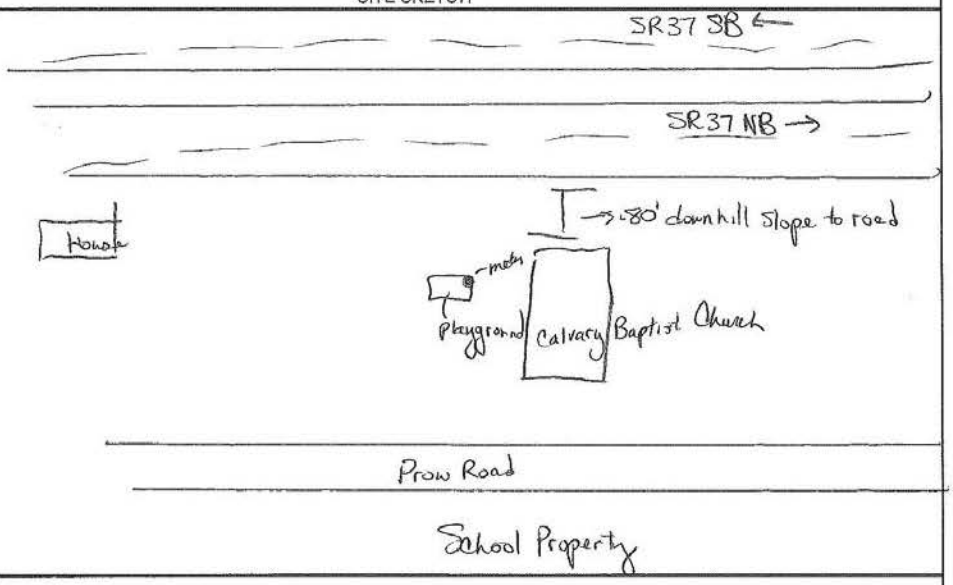
START: 6:48 pm

END: 7:08 pm

LEQ: 57.3

SPEED: ~60 mph

SITE SKETCH



BACKGROUND NOISE —

MAJOR SOURCES SR 37

UNUSUAL EVENTS —

OTHER NOTES —

Michael Baker Jr., Inc. 2005

Site M-9

Site M-10

NOISE SURVEY SHEET

M-10

EQUIPMENT: METER Norsonics 132 CALIBRATOR EXTECH 407744

CALIBRATION: START 93.2 dB END 93.2 dB

RESPONSE: FAST X SLOW ____ A-WEIGHTING X BATTERY CHECK X

WEATHER DATA: Cloudy, high 70s, light wind

TRAFFIC DATA		
ROAD	SR37NB	SR37 SB
AUTOS	320	252
MED TRKS	12	7
HVY TRKS	11	5
BUS	1	0
MC	2	2
DURATION	20min	20min

DATE: 5/21/12

SITE #: M-10 Northside Christian Church

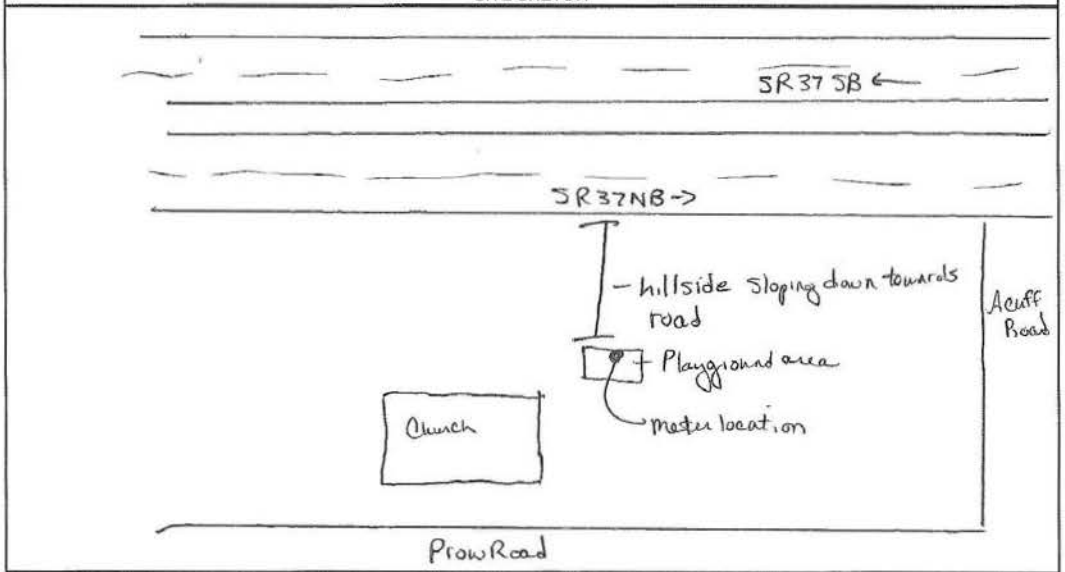
START: 4:27

END: 4:47

LEQ: 62.1

SPEED: ~ 60 mph

SITE SKETCH



BACKGROUND NOISE —

MAJOR SOURCES SR37, Prow Road, Acuff Road

UNUSUAL EVENTS —

OTHER NOTES —

Michael Baker Jr., Inc. 2005

Site M-10

Acuff Rd
N Prow Rd
W Acuff Rd
W Acuff Rd
Rusk W Steele Memorial Hwy
31
Rusk W Steele Memorial Hwy

Site M-11

NOISE SURVEY SHEET

M-11

EQUIPMENT: METER Norsonics 132 CALIBRATOR EXTECH 407744

CALIBRATION: START 93.1 dB END 93.1 dB

RESPONSE: FAST X SLOW ____ A-WEIGHTING X BATTERY CHECK X

WEATHER DATA: Sunny, high 80s, light wind

TRAFFIC DATA		
ROAD	SR37 NB	SR37 SB
AUTOS	262	225
MED TRKS	12	8
HVY TRKS	14	4
BUS	1	0
MC	4	4
DURATION	20min	20min

DATE: 5/23/12

SITE #: M-11 House off Kinser Place

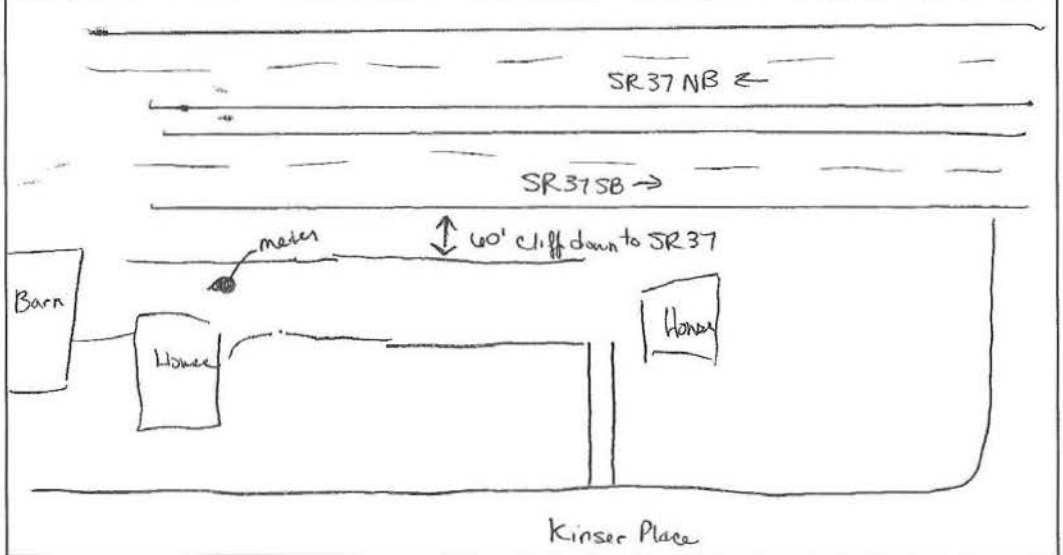
START: 3:51pm

END: 4:11pm

LEQ: 67.0

SPEED: ~60mph

SITE SKETCH



BACKGROUND NOISE ____

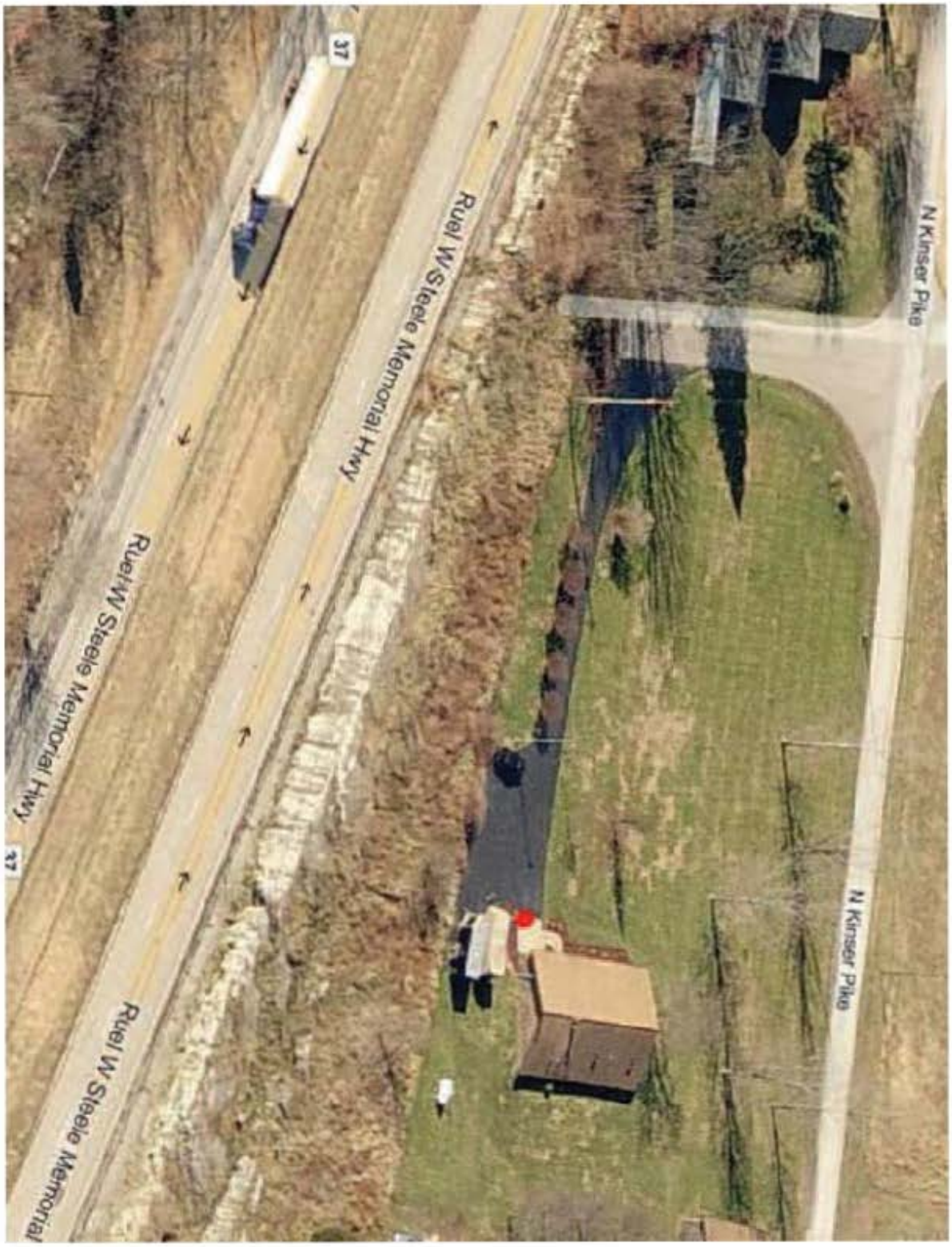
MAJOR SOURCES SR37

UNUSUAL EVENTS ____

OTHER NOTES ____

Michael Baker Jr., Inc. 2005

Site M-11


N Kinser Pike
N Kinser Pike
Ruel W Steele Memorial Hwy
Ruel W Steele Memorial Hwy
Ruel W Steele Memorial Hwy
37
37

Site M-12

NOISE SURVEY SHEET

M-12

EQUIPMENT: METER Norsonics 132 CALIBRATOR EXTECH 407744

CALIBRATION: START 92.9 dB END 92.9 dB

RESPONSE: FAST X SLOW ____ A-WEIGHTING X BATTERY CHECK X

WEATHER DATA: high 80s, Sunny, light wind

TRAFFIC DATA		
ROAD	SR 37 NB	SR 37 SB
AUTOS	263	322
MED TRKS	7	2
HVY TRKS	13	10
BUS	0	0
MC	2	3
DURATION	20	20

DATE: 5/23/12

SITE #: M-12 house at Purcell & Wylie

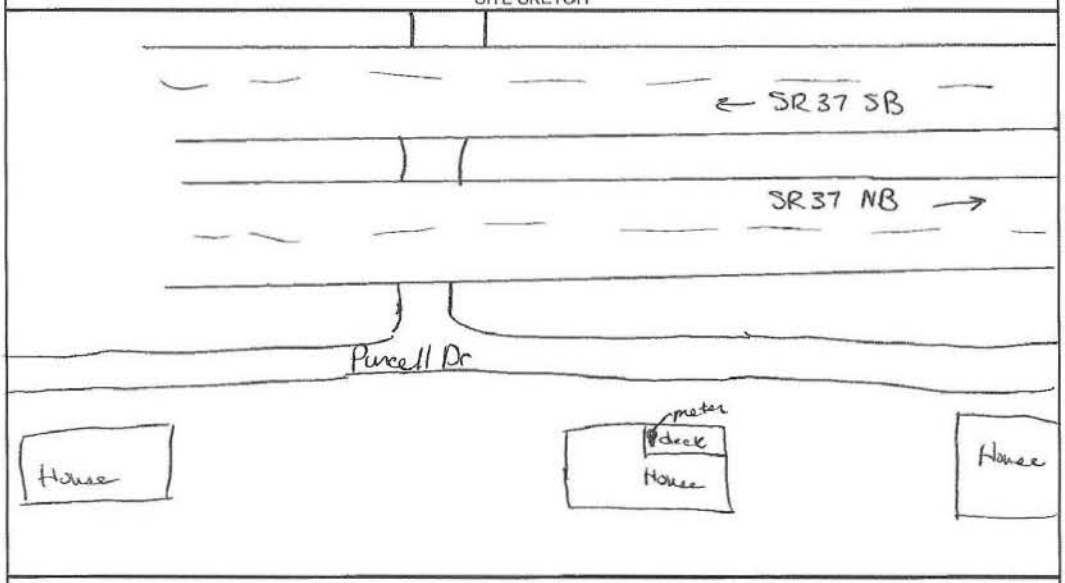
START: 6:14pm

END: 6:34pm

LEQ: 65.5

SPEED: ~60 mph

SITE SKETCH



BACKGROUND NOISE ——

MAJOR SOURCES SR 37

UNUSUAL EVENTS ——

OTHER NOTES ——

Michael Baker Jr., Inc. 2005

Site M-12

N Purcell Dr
N Purcell Dr
37
Russell W Steele Memorial Hwy
Russell W Steele Memorial Hwy
37
Russell W Steele Memorial Hwy
Stone Ball Dr
Stone Ball Dr
N Purcell Dr

Site M-13

NOISE SURVEY SHEET M-13

EQUIPMENT: METER Norsonics 132 CALIBRATOR EXTECH 407744

CALIBRATION: START 93.1 dB END 93.1 dB

RESPONSE: FAST X SLOW ____ A-WEIGHTING X BATTERY CHECK X

WEATHER DATA: low 60s, sunny, light wind

TRAFFIC DATA S.R.37		
ROAD	NB	SB
AUTOS	199	226
MED TRKS	10	15
HVY TRKS	24	17
BUS	0	0
MC	0	1
DURATION	20 min	20 min

DATE: 5/24/12

SITE #: M-13 101 E. Sample Rd

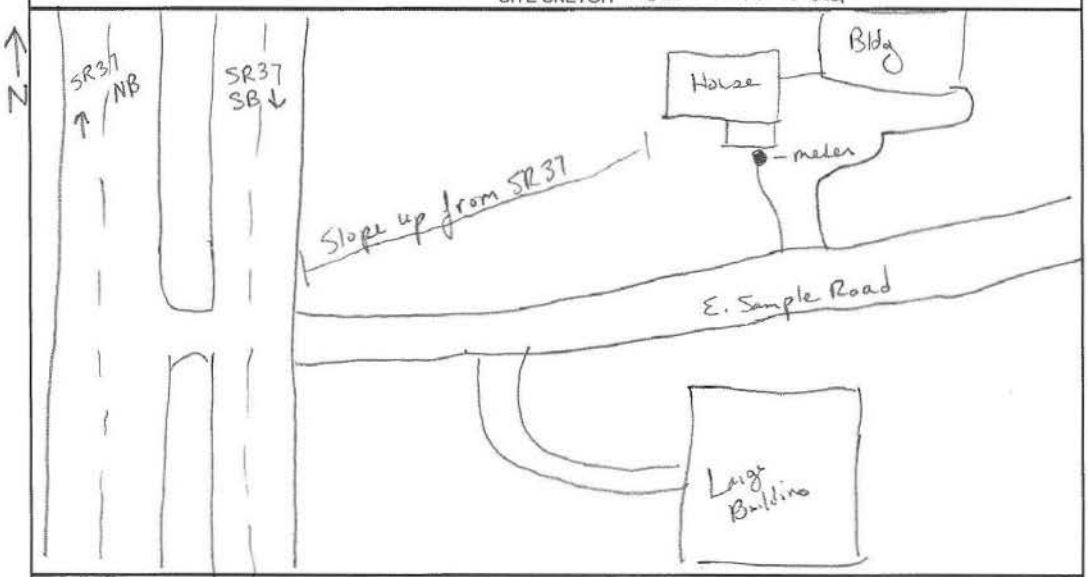
START: 9:50am

END: 10:10am

LEQ: 59.2

SPEED: ~60 mph

SITE SKETCH - See attached aerial



BACKGROUND NOISE —

MAJOR SOURCES S.R. 37 & E. Sample Road

UNUSUAL EVENTS —

OTHER NOTES 12 autos and 1 Heavy Truck passed on E. Sample Road during measurement.

Michael Baker Jr., Inc. 2005

Site M-13

Site M-14

NOISE SURVEY SHEET M-14

EQUIPMENT: METER Norsonics 132 CALIBRATOR EXTECH 407744

CALIBRATION: START 93.1 dB END 93.1 dB

RESPONSE: FAST X SLOW ____ A-WEIGHTING X BATTERY CHECK X

WEATHER DATA: High 80s, Sunny, light wind

TRAFFIC DATA		
ROAD	SR37NB	SR37SB
AUTOS	356	319
MED TRKS	3	6
HVY TRKS	22	11
BUS	Ø	2
MC	1	2
DURATION	20 min	20 min

DATE: 5/23/17.

SITE #: M-14 Across on Wildrose Ct.

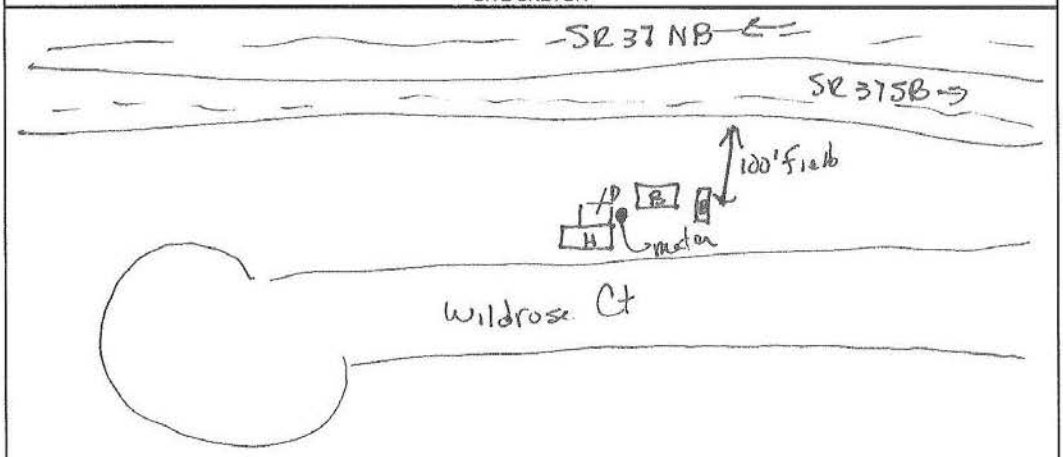
START: 4:34

END: 4:54

LEQ: 54.3

SPEED: w/o

SITE SKETCH — Same as before



BACKGROUND NOISE None

MAJOR SOURCES SR 37

UNUSUAL EVENTS None

OTHER NOTES

Michael Baker Jr., Inc. 2005

Site M-14

Pentecostal Church Rd
N Wichita St
Co Rd 50 E
Simpson Chapel Rd
Simpson Chapel Rd
Co Rd 50 E

Site M-15

NOISE SURVEY SHEET

M-15

EQUIPMENT: METER Norsonics 132 CALIBRATOR EXTECH 407744

CALIBRATION: START 92.8 dB END 92.8 dB

RESPONSE: FAST X SLOW ____ A-WEIGHTING X BATTERY CHECK X

WEATHER DATA: high 50s, sunny, no wind

TRAFFIC DATA		
ROAD	SR 37 NB	SR 37 SB
AUTOS	257	292
MED TRKS	10	8
HVY TRKS	11	21
BUS	0	1
MC	1	1
DURATION	20 min	20 min

DATE: 5/23/12

SITE #: M-15 Simpson Chapel

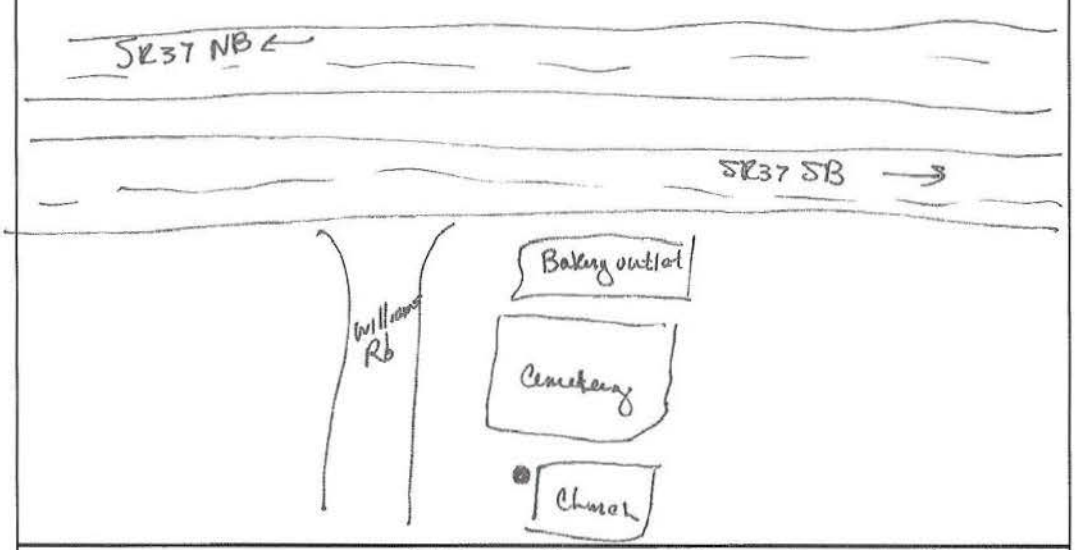
START: 7:06

END: 7:26

LEQ: 58.5

SPEED: ~60

SITE SKETCH → Same site as before



BACKGROUND NOISE: Williams Church Rd → 9 cars, 1 m.c. passed by during reading

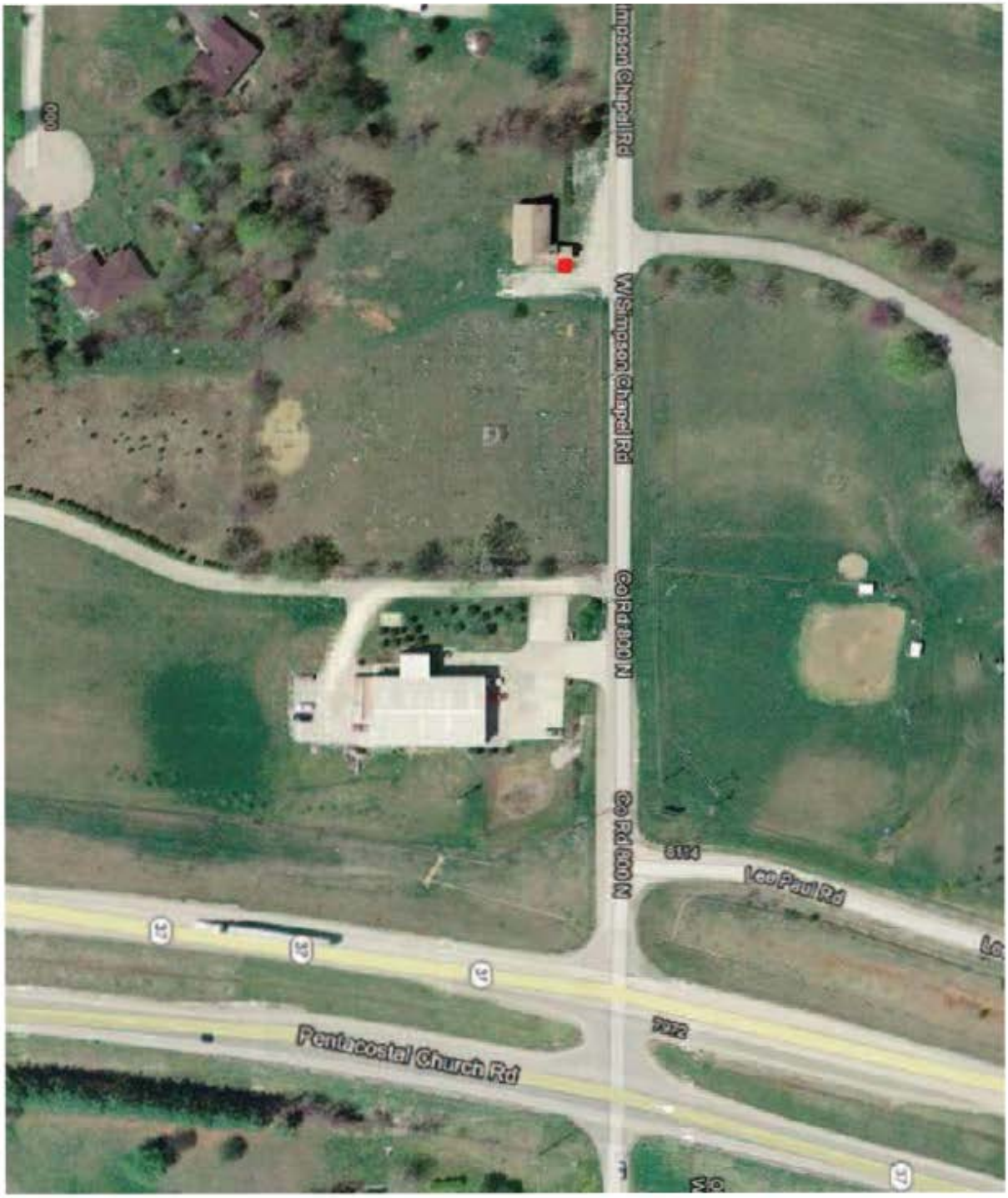
MAJOR SOURCES: SR37

UNUSUAL EVENTS: None

OTHER NOTES: ____

Michael Baker Jr., Inc. 2005

Site M-15


Pentacostal Church Rd
Co Rd 800 N
Co Rd 800 N
W Simpson Chapel Rd
Simpson Chapel Rd
Leo Paul Rd

Site M-16

NOISE SURVEY SHEET

M-16

EQUIPMENT: METER Norsonics 132 CALIBRATOR EXTECH 407744

CALIBRATION: START 93.1 dB END 93.1 dB

RESPONSE: FAST X SLOW ____ A-WEIGHTING X BATTERY CHECK X

WEATHER DATA: high 80s, sunny, light wind

TRAFFIC DATA		
ROAD	SR 37 NB	SR 37 SB
AUTOS	431	325
MED TRKS	11	1
HVY TRKS	10	16
BUS	0	0
MC	4	4
DURATION	20	20

DATE: 5/23/12

SITE #: M-16 House by Family Life Worship

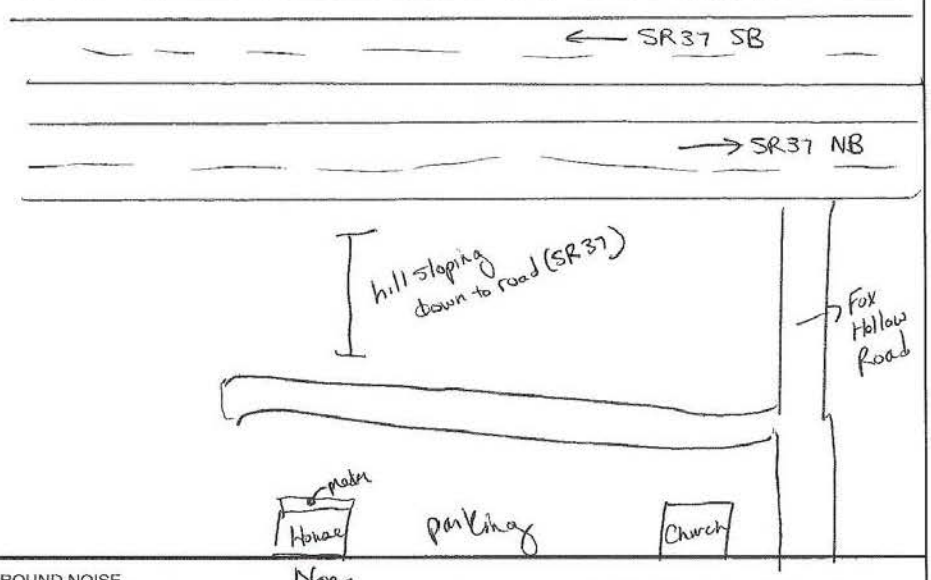
START: 5:09pm

END: 5:29pm

LEQ: 64.6

SPEED: ~60mph

SITE SKETCH



BACKGROUND NOISE None

MAJOR SOURCES SR37

UNUSUAL EVENTS —

OTHER NOTES —

Michael Baker Jr., Inc. 2005

Site M-16

Pentecostal Church Rd
N Pentecostal Rd
Co Rd 150 N
Co Rd 150 N
N Pentecostal Rd

Site M-17

NOISE SURVEY SHEET

M-17

EQUIPMENT: METER Norsonics 132 CALIBRATOR EXTECH 407744

CALIBRATION: START 93.1 dB END 93.1 dB

RESPONSE: FAST X SLOW ____ A-WEIGHTING X BATTERY CHECK X

WEATHER DATA: 90s, Sunny, light wind

TRAFFIC DATA	SR37	
ROAD	NB	SB
AUTOS	228	248
MED TRKS	3	0
HVY TRKS	12	7
BUS	0	0
MC	2	4
DURATION	20min	20min

DATE: 5/24/12

SITE #: M-17 House on Norm Anderson Road

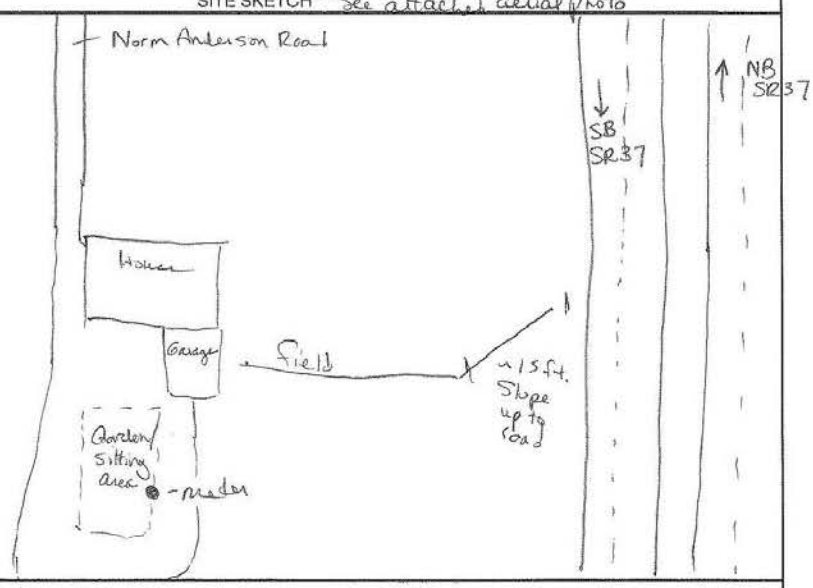
START: 6:45pm

END: 7:05pm

LEQ: 60.2

SPEED: ~60mph

SITE SKETCH - See attached aerial photo



BACKGROUND NOISE —

MAJOR SOURCES SR37

UNUSUAL EVENTS —

OTHER NOTES —

Michael Baker Jr., Inc. 2005

Site M-17

Site M-18

NOISE SURVEY SHEET M-18

EQUIPMENT: METER Norsonics 132 CALIBRATOR EXTECH 407744

CALIBRATION: START 93.1 dB END 93.1 dB

RESPONSE: FAST X SLOW ____ A-WEIGHTING X BATTERY CHECK X

WEATHER DATA: High 60s, Sunny, light wind

TRAFFIC DATA S.R. 37		
ROAD	NB	SB
AUTOS	239	192
MED TRKS	6	20
HVY TRKS	10	19
BUS	0	0
MC	1	0
DURATION	20 min	20 min

DATE: 5/25/12

SITE #: M-18 609 Chambers Pike

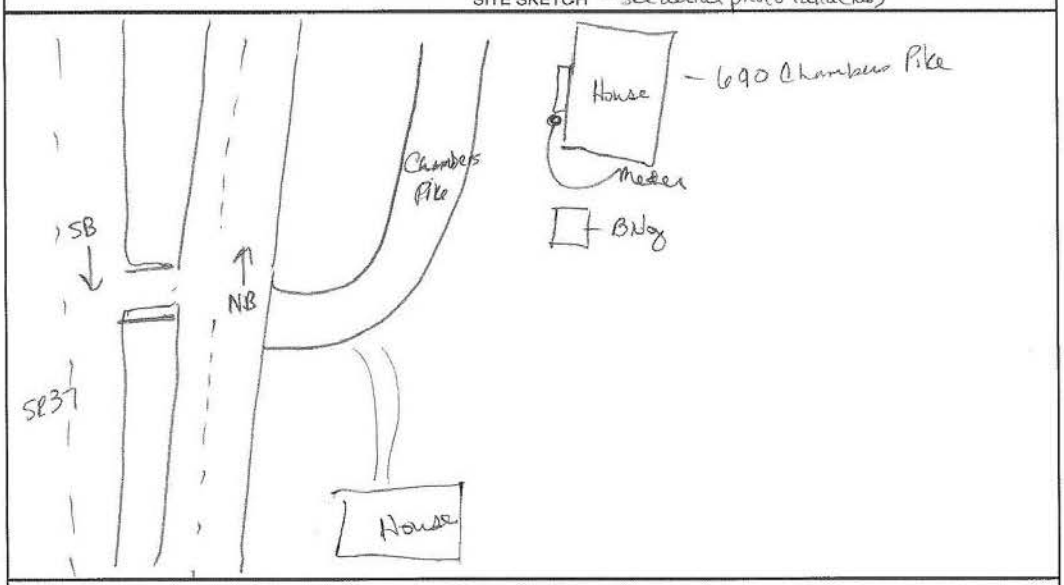
START: 7:03AM

END: 7:23AM

LEQ: 66.9

SPEED: ~60 mph

SITE SKETCH - See aerial photo (attached)



BACKGROUND NOISE ____

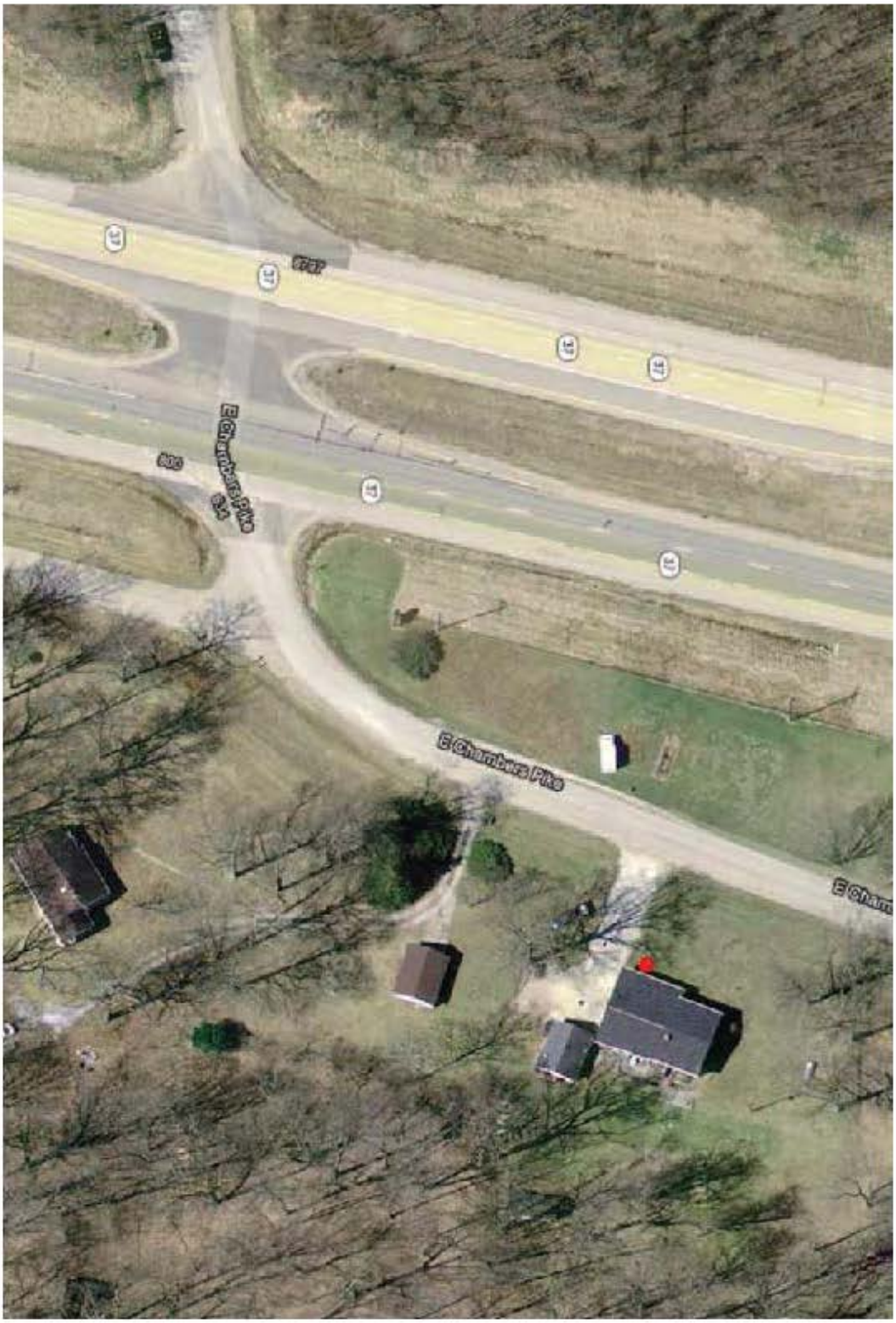
MAJOR SOURCES SR37, Chambers Pike

UNUSUAL EVENTS ____

OTHER NOTES 9 cars passed by on Chambers Pike during measurement

Michael Baker Jr., Inc. 2005

Site M-18



Site M-20

NOISE SURVEY SHEET M-20

EQUIPMENT: METER Norsonics 132 CALIBRATOR EXTECH 407744

CALIBRATION: START 93.1 dB END 93.1 dB

RESPONSE: FAST X SLOW ____ A-WEIGHTING X BATTERY CHECK X

WEATHER DATA: high 60s, sunny, light wind

TRAFFIC DATA SR37		
ROAD	NB	SB
AUTOS	245	290
MED TRKS	13	12
HVY TRKS	15	19
BUS	2	4
MC	3	3
DURATION	20 min	20 min

DATE: 5/25/12

SITE #: M-20 M.H. off Turkey Track Rd

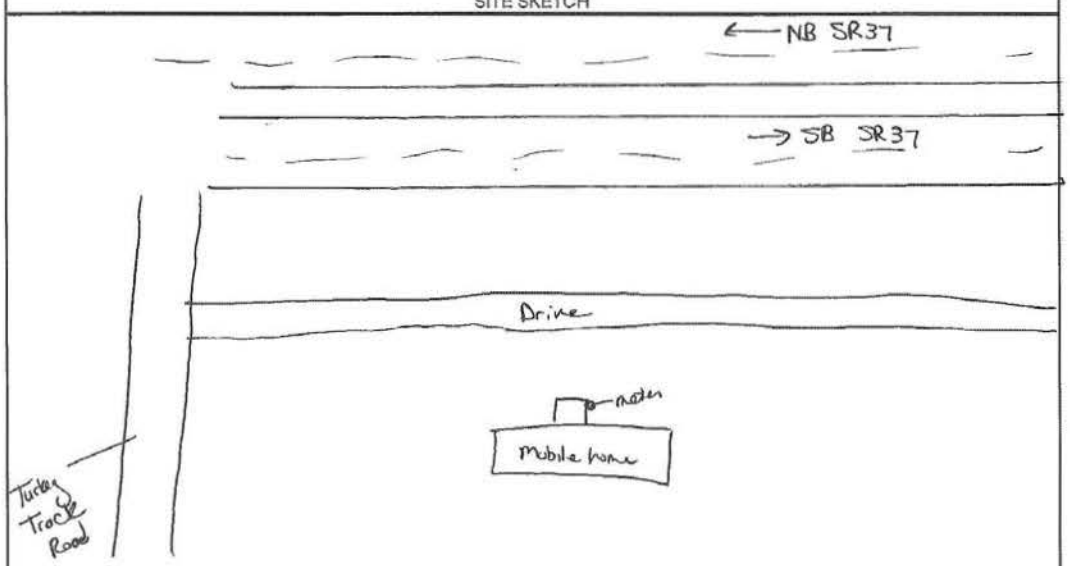
START: 7:38 am

END: 7:58 am

LEQ: 65.1

SPEED: ~60mph

SITE SKETCH



BACKGROUND NOISE —

MAJOR SOURCES SR37

UNUSUAL EVENTS —

OTHER NOTES —

Michael Baker Jr., Inc. 2005

Site M-20

Turkey Track Rd
Turkey Track Rd
Turkey Track Rd
Petro Rd
Petro Rd
130

Site M-21

NOISE SURVEY SHEET M-21

EQUIPMENT: METER Norsonics 132 CALIBRATOR EXTECH 407744

CALIBRATION: START 92.9 dB END 92.9 dB

RESPONSE: FAST X SLOW ____ A-WEIGHTING X BATTERY CHECK X

WEATHER DATA: high 80s, sunny, light wind

TRAFFIC DATA	SR37	
ROAD	NB	SB
AUTOS	448	353
MED TRKS	7	2
HVY TRKS	15	7
BUS	1	1
MC	10	3
DURATION	20	20

DATE: 5/24/12

SITE #: M-21 5185 Turkey Track Rd

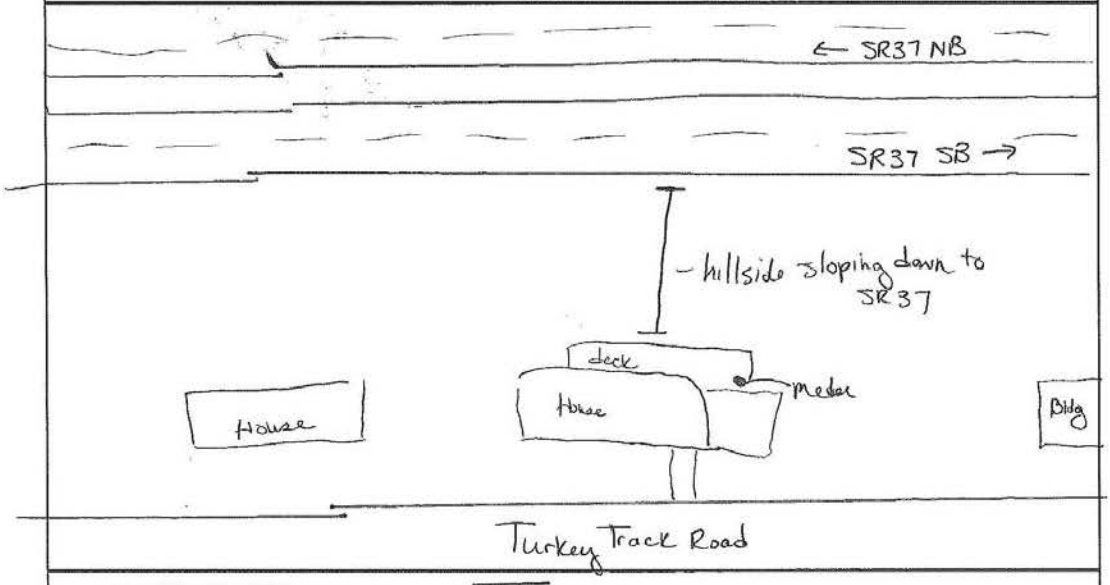
START: 5:27pm

END: 5:47pm

LEQ: 64.6

SPEED: ~60mph

SITE SKETCH



BACKGROUND NOISE ____

MAJOR SOURCES SR37

UNUSUAL EVENTS ____

OTHER NOTES ____

Michael Baker Jr., Inc. 2005

Site M-21

Site M-22

NOISE SURVEY SHEET

M-22

EQUIPMENT: METER Norsonics 132 CALIBRATOR EXTECH 407744

CALIBRATION: START 92.9 dB END 92.9 dB

RESPONSE: FAST X SLOW ____ A-WEIGHTING X BATTERY CHECK X

WEATHER DATA: high 80s, sunny, light wind

TRAFFIC DATA	SR37	
ROAD	NB	SB
AUTOS	367	323
MED TRKS	6	5
HVY TRKS	17	14
BUS	1	0
MC	5	4
DURATION	20min	20min

DATE: 5/24/12

SITE #: M-22 3710 Paragon Rd

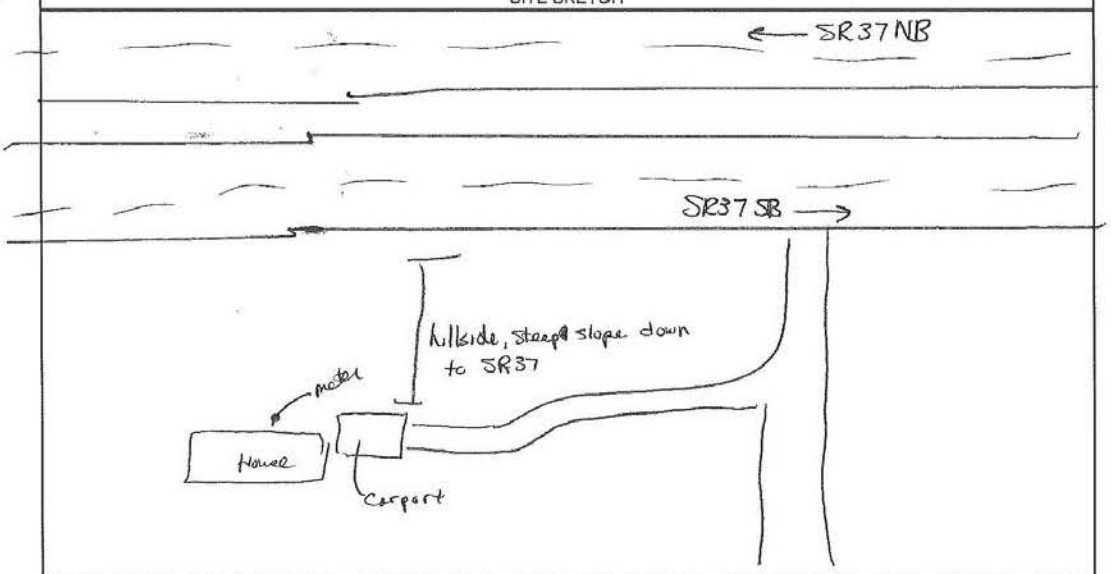
START: 5:02pm

END: 5:22pm

LEQ: 66.9

SPEED: ~60mph

SITE SKETCH



BACKGROUND NOISE ____

MAJOR SOURCES SR 37

UNUSUAL EVENTS ____

OTHER NOTES ____

Michael Baker Jr., Inc. 2005

Site M-22

Site M-23

NOISE SURVEY SHEET M-23

EQUIPMENT: METER Norsonics 132 CALIBRATOR EXTECH 407744

CALIBRATION: START 93.1 dB END 93.1 dB

RESPONSE: FAST X SLOW ____ A-WEIGHTING X BATTERY CHECK X

WEATHER DATA: high 80s, sunny, light wind

TRAFFIC DATA SR37		
ROAD	NB	SB
AUTOS	330	317
MED TRKS	7	5
HVY TRKS	2	12
BUS	0	0
MC	5	3
DURATION	20	20

DATE: 5/24

SITE #: M-23 → off SR37

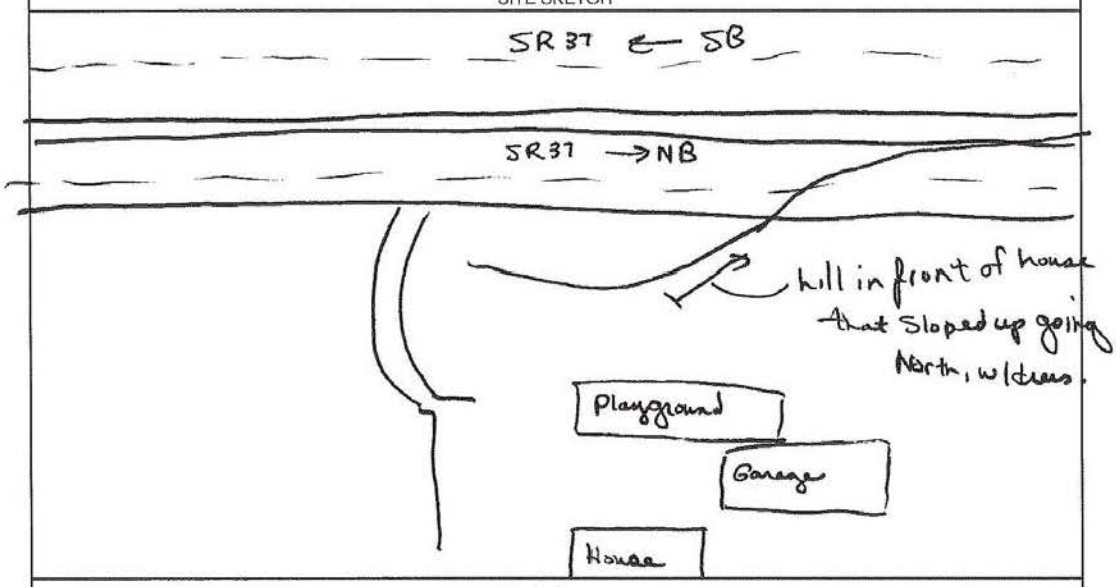
START: 6:07 pm

END: 6:27 pm

LEQ: 62.0

SPEED: ~60 mph

SITE SKETCH



BACKGROUND NOISE —

MAJOR SOURCES SR37

UNUSUAL EVENTS helicopter flew over ~30 seconds

OTHER NOTES —

Michael Baker Jr., Inc. 2005

Site M-23

Site M-24

NOISE SURVEY SHEET

M-24

EQUIPMENT: METER Norsonics 132 CALIBRATOR EXTECH 407744

CALIBRATION: START 93.1 dB END 93.1 dB

RESPONSE: FAST X SLOW ____ A-WEIGHTING X BATTERY CHECK X

WEATHER DATA: high 50s, sunny, no wind

TRAFFIC DATA		
ROAD	SR37 NB	SR37 SB
AUTOS	252	279
MED TRKS	9	5
HVY TRKS	17	17
BUS	0	2
MC	2	0
DURATION	20	20

DATE: 5/23/12

SITE #: M-24 New Testament Bapt. Church

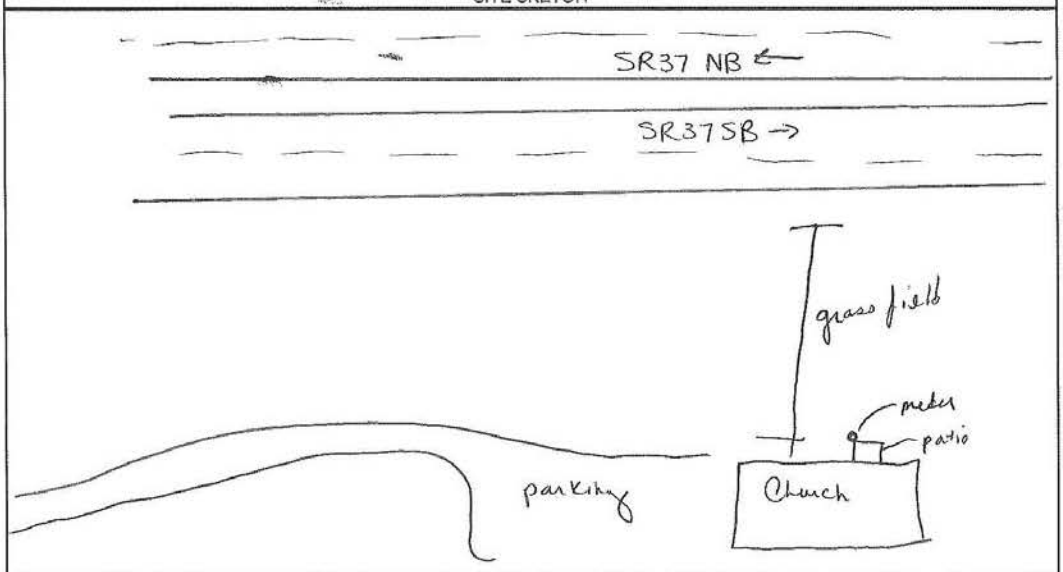
START: 7:44am

END: 8:04am

LEQ: 69.6

SPEED: ~60mph

SITE SKETCH



BACKGROUND NOISE ——

MAJOR SOURCES SR37

UNUSUAL EVENTS ——

OTHER NOTES ——

Michael Baker Jr., Inc. 2005

Site M-24

Site M-25

NOISE SURVEY SHEET M-25

EQUIPMENT: METER Norsonics 132 CALIBRATOR EXTECH 407744

CALIBRATION: START 93.1 dB END 93.1 dB

RESPONSE: FAST X SLOW ____ A-WEIGHTING X BATTERY CHECK X

WEATHER DATA: high 80s, Sunny, light wind

TRAFFIC DATA	SR37	
ROAD	NB	SB
AUTOS	402	378
MED TRKS	5	4
HVY TRKS	15	8
BUS	0	2
MC	4	3
DURATION	20	20

DATE: 5/24/12

SITE #: M-25 3940 Old SR37

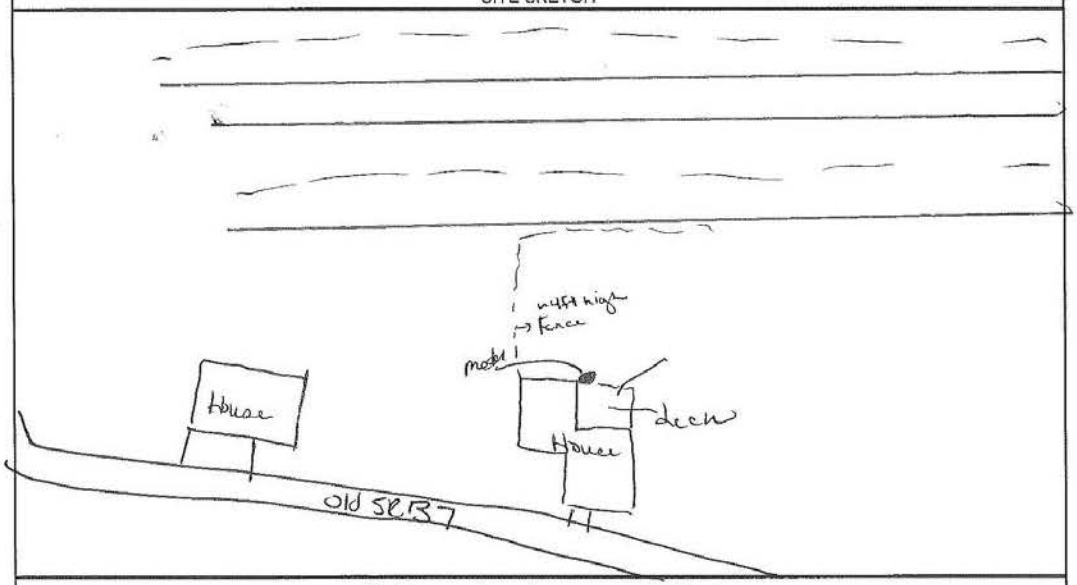
START: 4:24

END: 4:44

LEQ: 62.9

SPEED: ~60mph

SITE SKETCH



BACKGROUND NOISE: Kids & dog barking in distance

MAJOR SOURCES: SR37

UNUSUAL EVENTS: —

OTHER NOTES: —

Michael Baker Jr., Inc. 2005

Site M-25

Site M-26

NOISE SURVEY SHEET

M-26

EQUIPMENT: METER Norsonics 132 CALIBRATOR EXTECH 407744

CALIBRATION: START 93.1 dB END 93.1 dB

RESPONSE: FAST X SLOW ____ A-WEIGHTING X BATTERY CHECK X

WEATHER DATA: high 80s, sunny, light wind

TRAFFIC DATA		
ROAD	SR37 NB	SR37 SB
AUTOS	259	366
MED TRKS	4	2
HVY TRKS	3	10
BUS	0	2
MC	1	0
DURATION	20	20

DATE: 5/21/12

SITE #: M-26 Hillview Motel Room door M-10

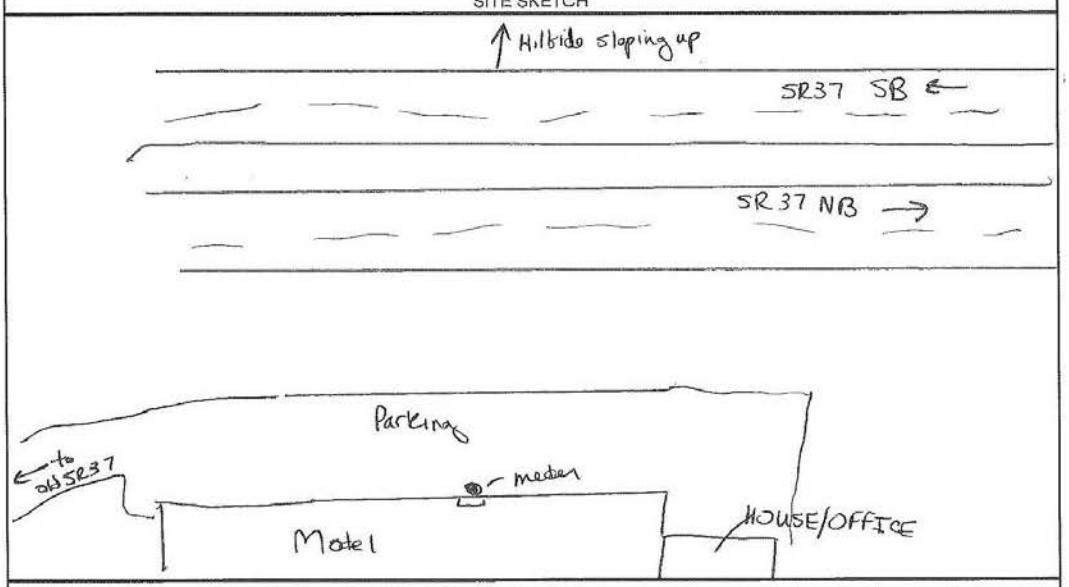
START: 6:00pm

END: 6:20pm

LEQ: 68.1

SPEED: 60mph

SITE SKETCH



BACKGROUND NOISE ____

MAJOR SOURCES SR 37

UNUSUAL EVENTS ____

OTHER NOTES ____

Michael Baker Jr., Inc. 2005

Site M-26

Site M-27

NOISE SURVEY SHEET

M-27

EQUIPMENT: METER Norsonics 132 CALIBRATOR EXTECH 407744

CALIBRATION: START 92.9 dB END 92.9 dB

RESPONSE: FAST X SLOW ____ A-WEIGHTING X BATTERY CHECK X

WEATHER DATA: high 80s, sunny, light wind

TRAFFIC DATA		
ROAD	SR37 NB	SR37 SB
AUTOS	343	314
MED TRKS	9	10
HVY TRKS	12	8
BUS	0	7
MC	1	1
DURATION	20	20

DATE: 5/28/12

SITE #: M-27, 925 S. Plaza Drive, Martinsville

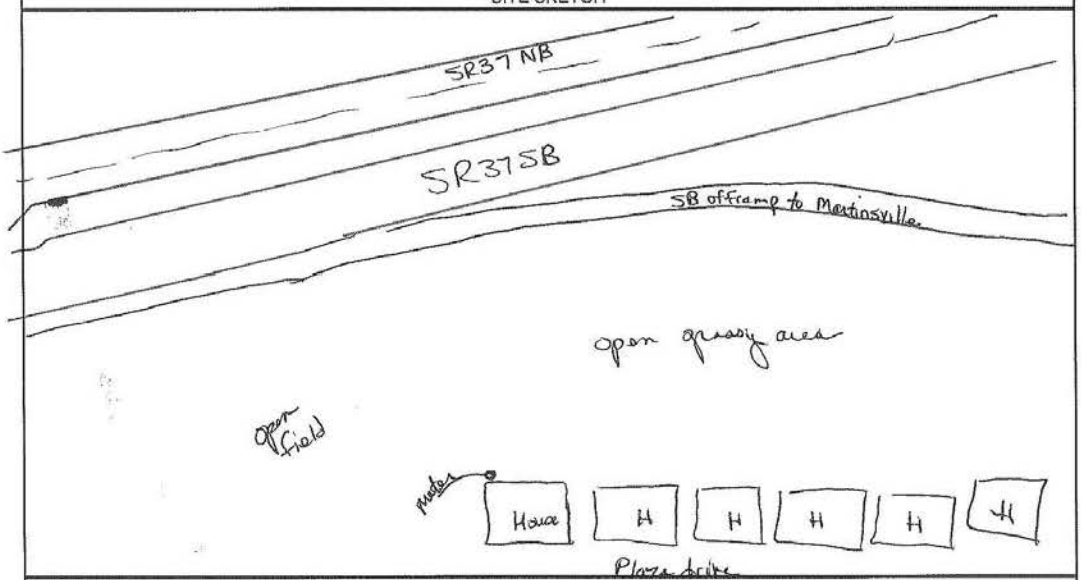
START: 3:45pm

END: 4:12pm

LEQ: 62.3

SPEED: ~60mph

SITE SKETCH



BACKGROUND NOISE —

MAJOR SOURCES SR37

UNUSUAL EVENTS Paused meter for weed eater in distance.

OTHER NOTES —

Michael Baker Jr., Inc. 2005

Site M-27

Site M-28

NOISE SURVEY SHEET M-28

EQUIPMENT: METER Norsonics 132 CALIBRATOR EXTECH 407744

CALIBRATION: START 93.1 dB END 93.1 dB

RESPONSE: FAST X SLOW ___ A-WEIGHTING X BATTERY CHECK X

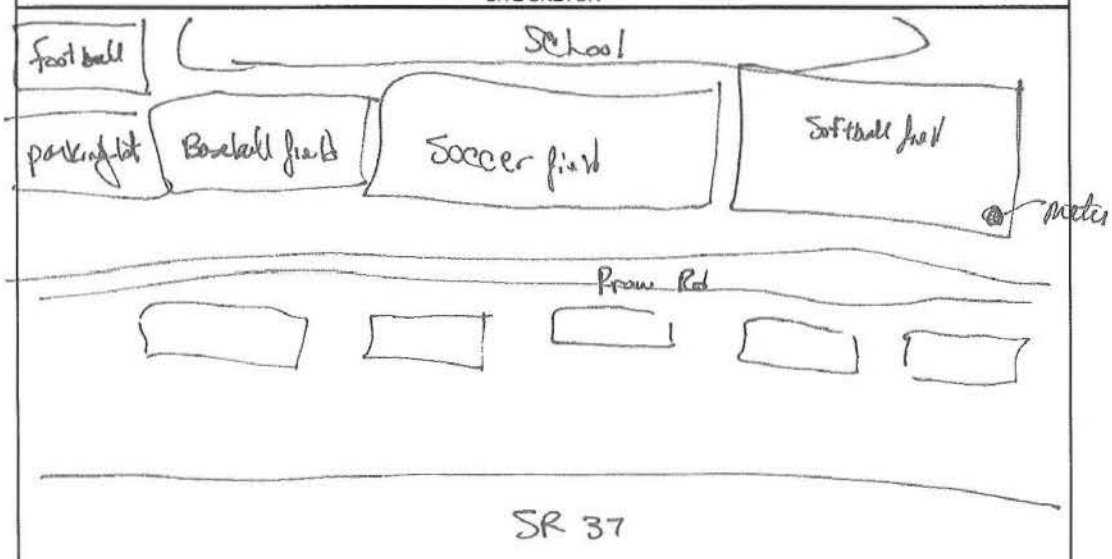
WEATHER DATA: high 50s, sunny, no wind

TRAFFIC DATA SR37		
ROAD	NB	SB
AUTOS	—	—
MED TRKS	—	—
HVY TRKS	—	—
BUS	—	—
MC	—	—
DURATION	20min	20min

could not see road

DATE: 5/23/12
SITE #: M-28
START: 8:38am
END: 8:58am
LEQ: 51.7
SPEED: ?

SITE SKETCH



BACKGROUND NOISE Prow Rd - ~15 cars passed during measurement

MAJOR SOURCES SR37

UNUSUAL EVENTS —

OTHER NOTES —

Michael Baker Jr., Inc. 2005

Site M-28

Site M-29

NOISE SURVEY SHEET M-29

EQUIPMENT: METER Norsonics 132 CALIBRATOR EXTECH 407744

CALIBRATION: START 93.1 dB END 93.1 dB

RESPONSE: FAST X SLOW ____ A-WEIGHTING X BATTERY CHECK X

WEATHER DATA: 60s, sunny, no wind

TRAFFIC DATA → Road not visible		
ROAD		
AUTOS		
MED TRKS		
HVY TRKS		
BUS		
MC		
DURATION	20min	20min

DATE: 5/24/12

SITE #: M-29 3888 N. Maple Grove

START: 8:35

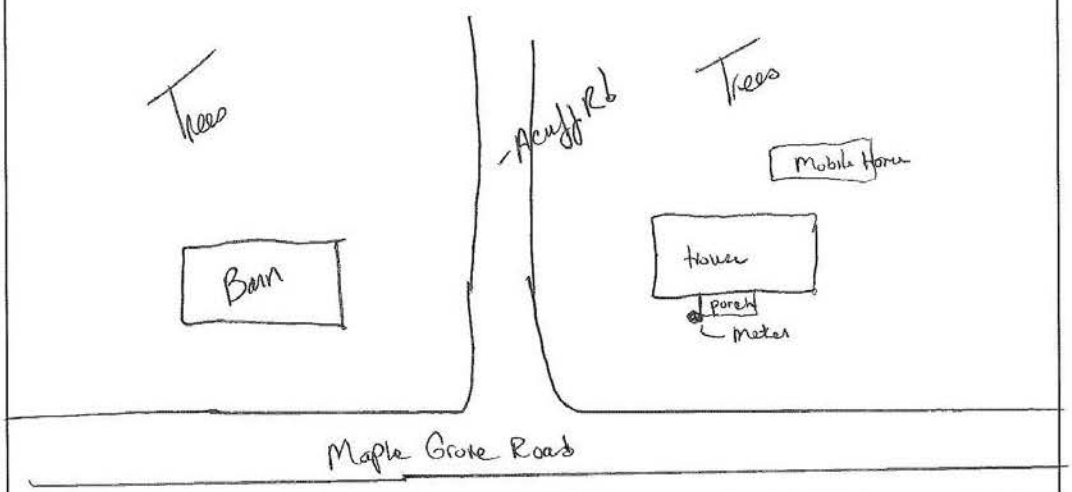
END: 8:55

LEQ: 55.8

SPEED: ?

SR 37 in distance

SITE SKETCH



BACKGROUND NOISE ____

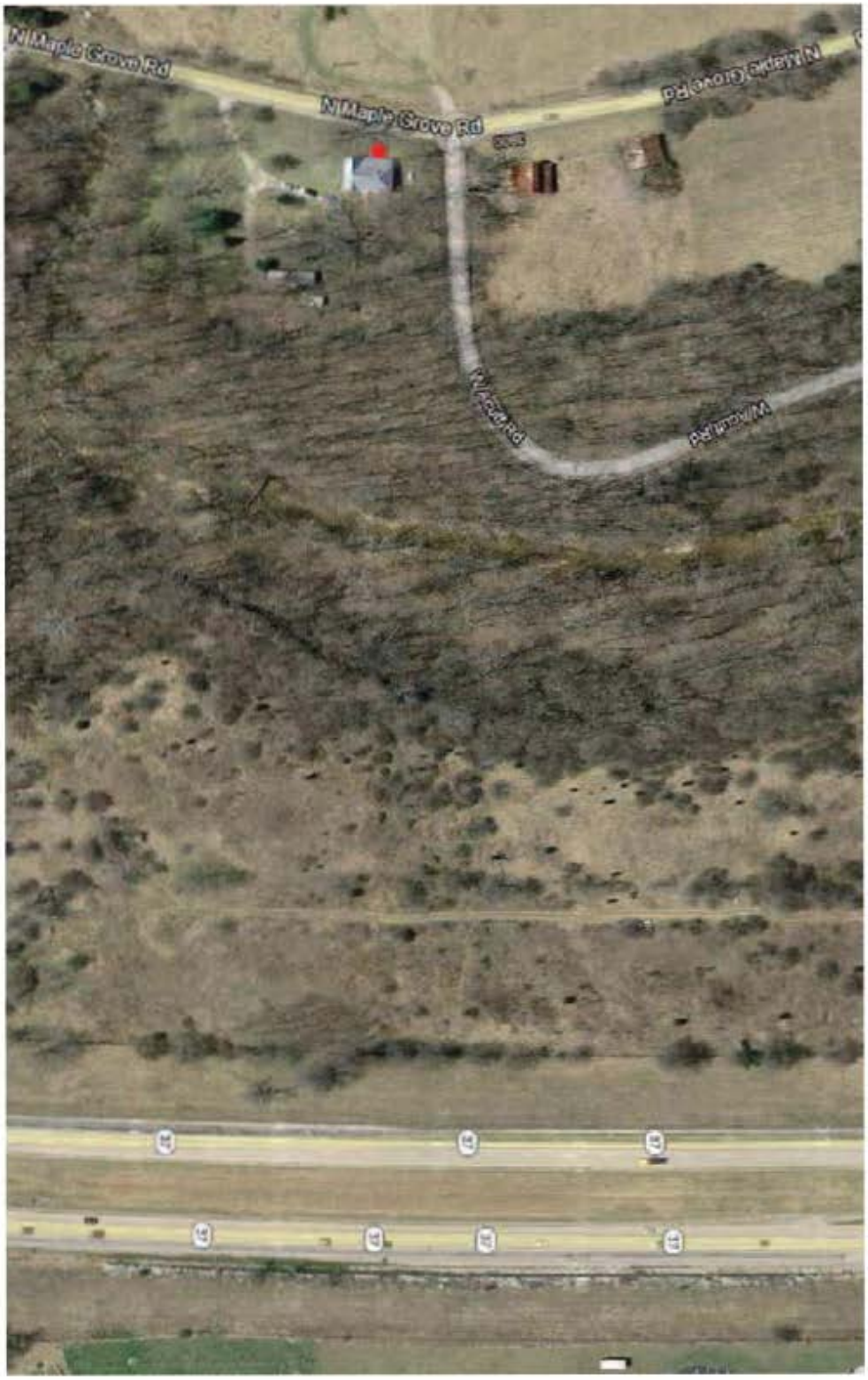
MAJOR SOURCES SR37; 10 cars + 1 MT passed by on Acuff Rd; 33 cars passed by on Maple Grove Rd

~~UNUSUAL EVENTS~~

OTHER NOTES

Michael Baker Jr., Inc. 2005

Site M-29



Site M-31

NOISE SURVEY SHEET M-31

EQUIPMENT: METER Norsonics 132 CALIBRATOR EXTECH 407744

CALIBRATION: START 93.1 dB END 93.1 dB

RESPONSE: FAST X SLOW ___ A-WEIGHTING X BATTERY CHECK X

WEATHER DATA: 60s, Sunny, No wind

TRAFFIC DATA	→ Road not visible	
ROAD		
AUTOS		
MED TRKS		
HVY TRKS		
BUS		
MC		
DURATION	20min	20min

DATE: 5/24/12

SITE #: M-31 Wapemani Park

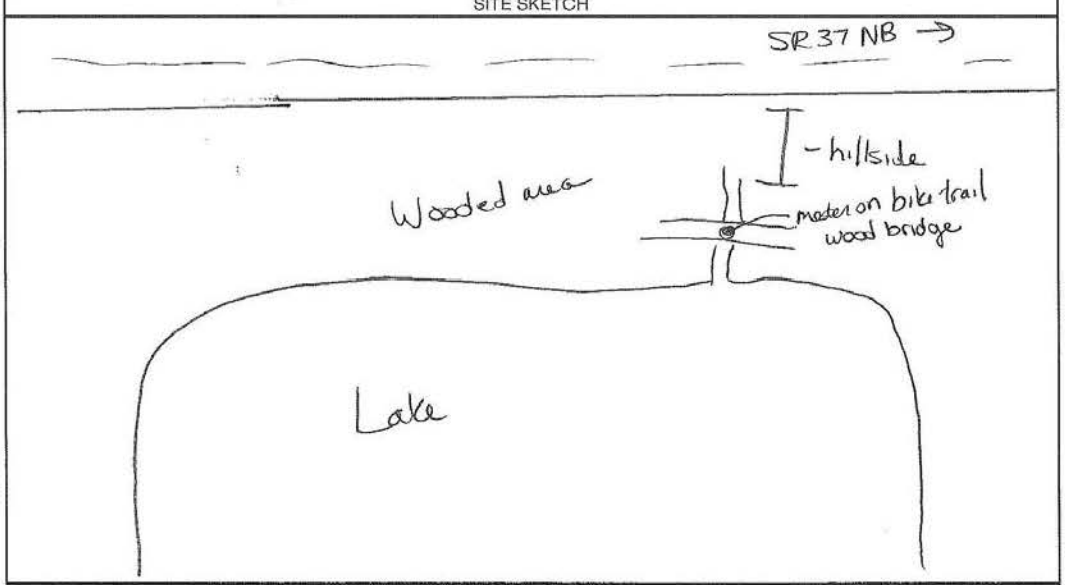
START: 7:22

END: 7:48

LEQ: 57.7

SPEED: ?

SITE SKETCH



BACKGROUND NOISE —

MAJOR SOURCES SR 37

UNUSUAL EVENTS —

OTHER NOTES —

Michael Baker Jr., Inc. 2005

Site M-31

Site M-32

NOISE SURVEY SHEET

M-32

EQUIPMENT: METER Norsonics 132 CALIBRATOR EXTECH 407744

CALIBRATION: START 93.1 dB END 93.1 dB

RESPONSE: FAST X SLOW ____ A-WEIGHTING X BATTERY CHECK X

WEATHER DATA: high 70s, Cloudy, light wind

TRAFFIC DATA		
ROAD	SR37 NB	SR37 SB
AUTOS	369	312
MED TRKS	3	3
HVY TRKS	4	7
BUS	0	1
MC	1	1
DURATION	20	20

DATE: 5/21/12

SITE #: M-32 Olives Winery Garden

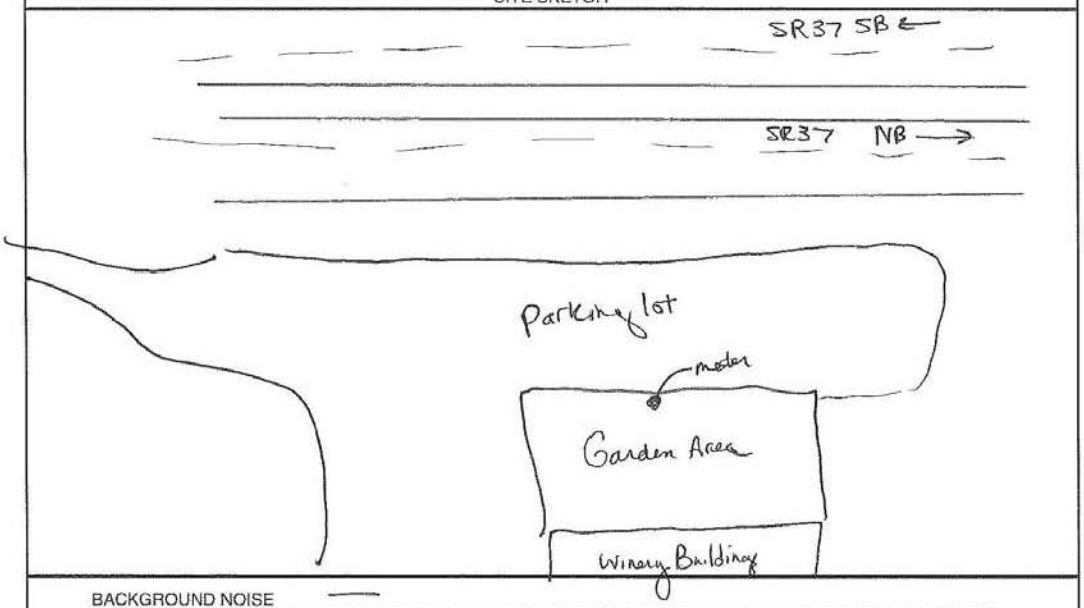
START: 5:15pm

END: 5:41pm

LEQ: 66.3

SPEED: ~60mph

SITE SKETCH



BACKGROUND NOISE —

MAJOR SOURCES SR37

UNUSUAL EVENTS —

OTHER NOTES paused meter for cars pulling in/out of parking lot

Michael Baker Jr., Inc. 2005

Site M-32

Site M-34

NOISE SURVEY SHEET M-34

EQUIPMENT: METER Norsonics 132 CALIBRATOR EXTECH 407744

CALIBRATION: START 93.1 dB END 93.1 dB

RESPONSE: FAST X SLOW ____ A-WEIGHTING X BATTERY CHECK X

WEATHER DATA: low 80s, Sunny, no wind

TRAFFIC DATA SR 37 not visible - no counts taken

ROAD		
AUTOS		
MED TRKS		
HVY TRKS		
BUS		
MC		
DURATION	20 min	20 min

DATE: 5/24/12

SITE #: M-34 Bracaway Community Church (Maple & Grove)

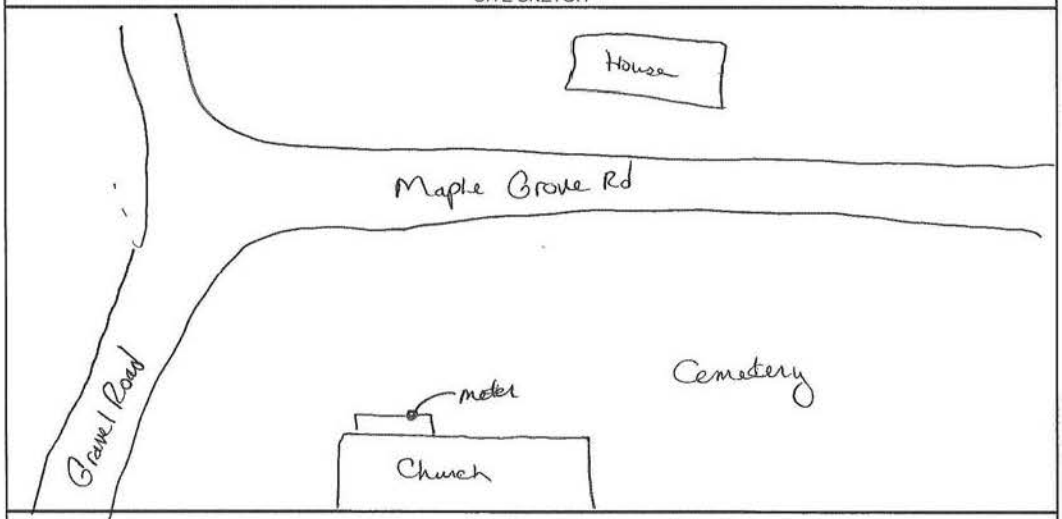
START: 9:06 am

END: 9:26 am

LEQ: 42.5

SPEED: ?

SITE SKETCH



BACKGROUND NOISE ____

MAJOR SOURCES ____

UNUSUAL EVENTS ____

OTHER NOTES ____

Michael Baker Jr., Inc. 2005

Site M-34

APPENDIX W
FINAL NOISE TECHNICAL REPORT

TECHNICAL REPORT APPENDICES

APPENDIX A	Figures
APPENDIX B	Noise Meter Calibration and Weather Data
APPENDIX C	Ambient Noise Measurement Logs
APPENDIX D	**Traffic Volumes**
APPENDIX E	Predicted Sound Levels
APPENDIX F	TNM Input/Output Tables

APPENDIX D: TRAFFIC VOLUMES

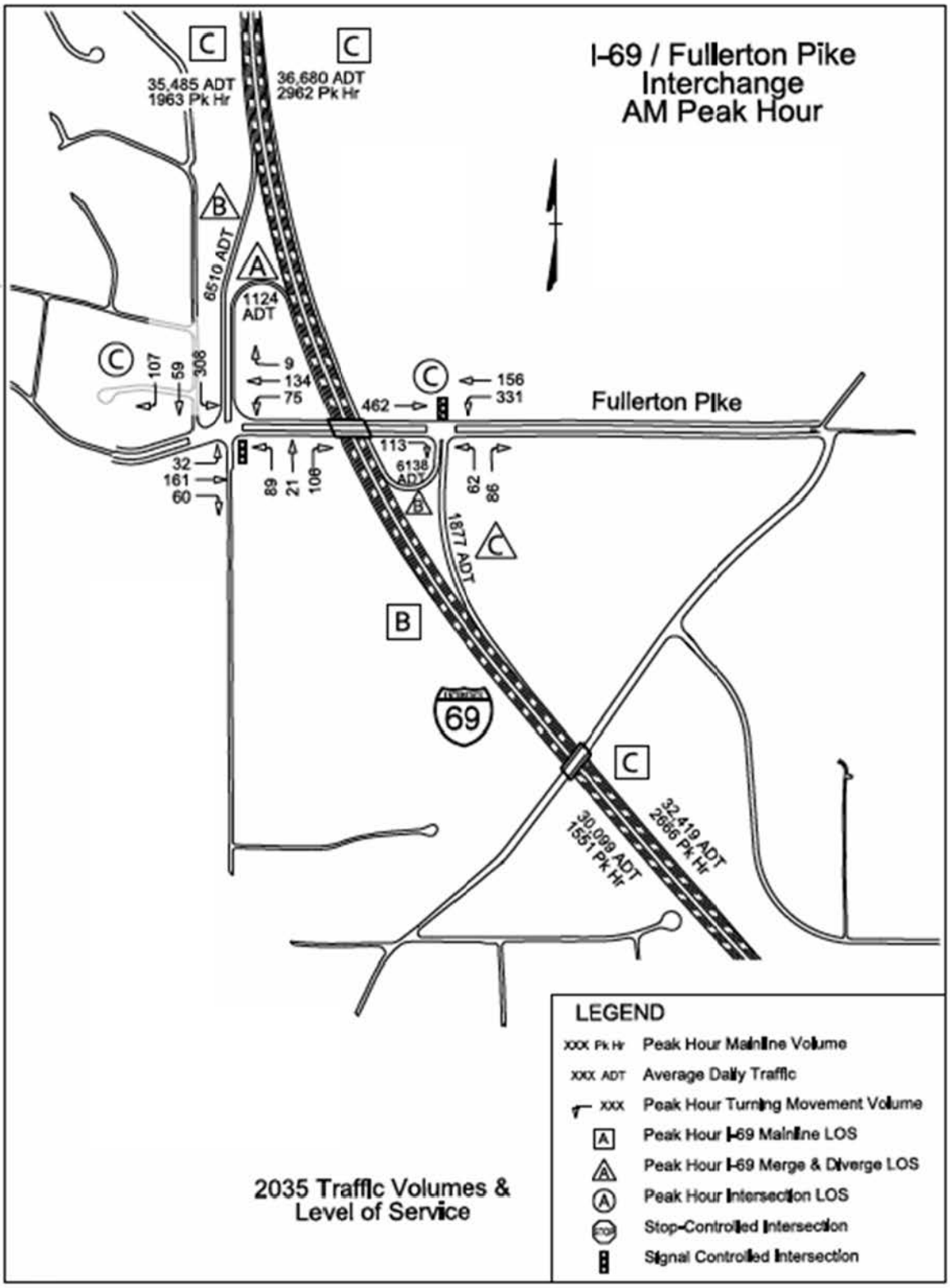
Section 5 Alternatives Carried Forward - 2035 Cross-Street Traffic Volumes +10% (rounded to the nearest hundred)				
Cross Street	**Alternative 4**	**Alternative 5**	**Alternative 6**	**Alternative 7**
SR 37 (Section 4)	Interchange	Interchange	Interchange	Interchange
Rockport Rd	Overpass	Overpass	Overpass	Overpass
Cross Traffic ADT	6300	6400	5400	5500
Fullerton Pike	Interchange	Interchange	Interchange	Interchange
Cross Traffic ADT E/W of I-69	21300 / 12400	21900 / 11700	15100 / 12300	15400 / 11600
Total Ramp ADT	21200	19500	19000	16500
Tapp Road	Overpass	Split Interchange w/SR45	Overpass	Split Interchange w/SR45
Cross Traffic ADT E/W of I-69	15700	16000 / 14000	15300	15700 / 14700
Total Ramp ADT	Not applicable	25300	Not applicable	24400
2nd Street/SR 45	Interchange	Split Interchange w/Tapp	Interchange	Split Interchange w/Tapp
Cross Traffic ADT E/W of I-69	36300 / 31500	32100 / 29600	37400 / 33200	34800 / 31900
Total Ramp ADT	30000	30000	30600	28600
SR 48/3rd. Street	Interchange	Interchange	Interchange	Interchange
Cross Traffic ADT E/W of I-69	39600 / 47100	48400 / 55000	40200 / 47400	41400 / 47700
Total Ramp ADT	33300	48400	39700	41300
SR 46	Interchange	Interchange	Interchange	Interchange
Cross Traffic ADT E/W of I-69	54300 / 51500	51700 / 54500	57100 / 51000	55300 / 52100
Total Ramp ADT	48600	46200	54100	51500
Kinser Pike	Interchange	Overpass	No Overpass	Overpass
Cross Traffic ADT	12100 / 1900	1400	Not applicable	1900
Total Ramp ADT	12100	Not applicable		Not applicable
Walnut Street	Overpass	Interchange	Overpass	Interchange
Cross Traffic ADT	2500	19900 / 6500	6500	8100
Total Ramp	Not applicable	21100	Not applicable	8100
Sample Road	Interchange	Interchange	Interchange	Interchange
Cross Traffic ADT	8600 / 4400	7700 / 3000	8800 / 3700	9500 / 6700
Total Ramp ADT	11300	9200	15200	13400
Chambers Pike	Overpass	Overpass	Overpass	No Overpass
ADT	800	700	600	Not applicable
Paragon Road	Interchange	Overpass	No Overpass	No Overpass
Cross Traffic ADT	1800 / 5300	400	Not applicable	Not applicable
Total Ramp ADT	6600	Not applicable		
Liberty Church Road	Overpass	Interchange	Interchange	Interchange
Cross Traffic ADT	1300	4200 / 3600	3700 / 3400	4400 / 3400
Total Ramp ADT	Not applicable	7300	6600	7000
SR 39 (Section 6)	Interchange	Interchange	Interchange	Interchange
Note: Spacing between Chambers Pike and Liberty Church Interchange is 5.5 miles.				

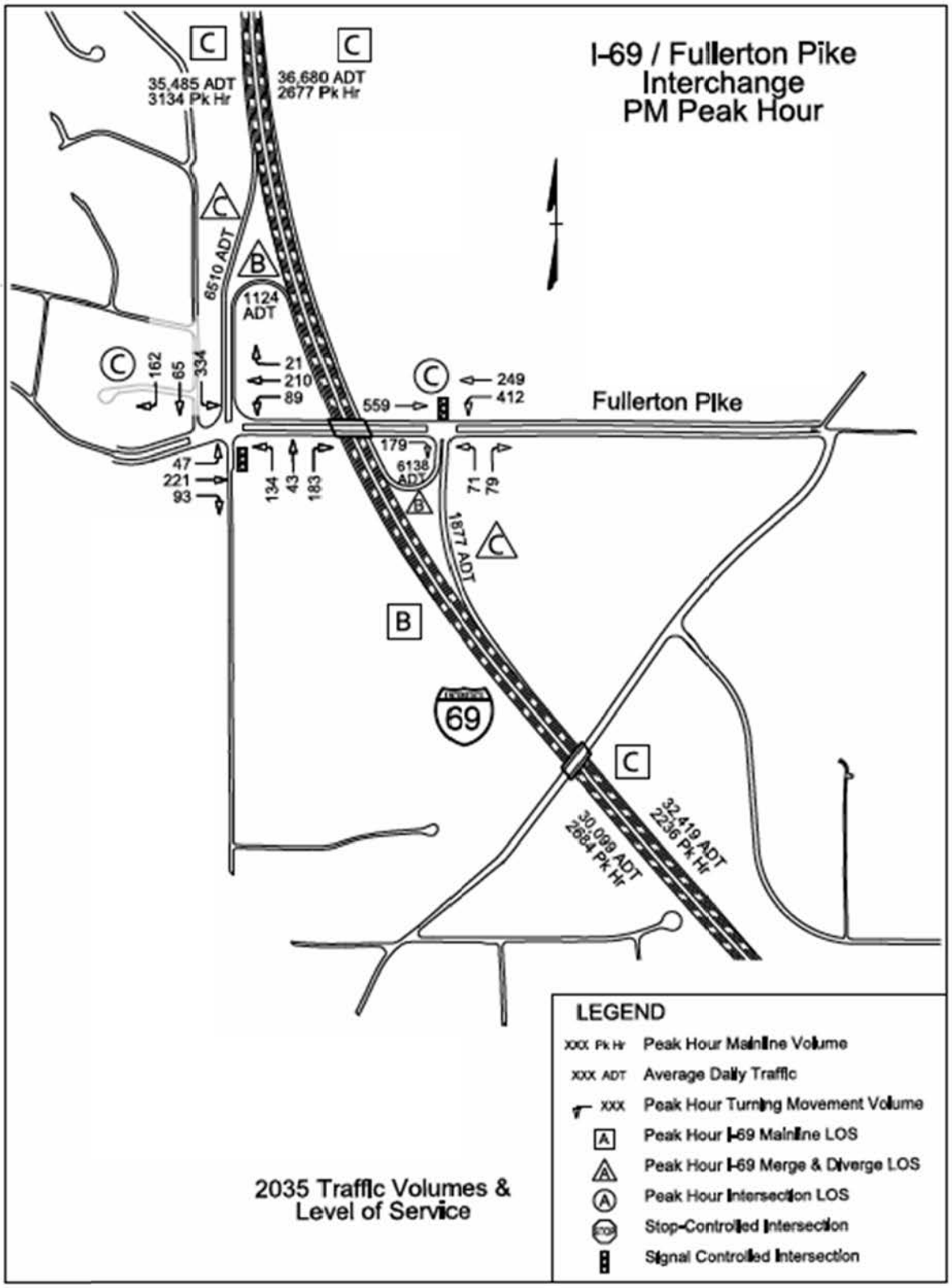
Table 10: Section 5 Alternatives Carried Forward - 2035 Traffic Volumes +10% (rounded to the nearest hundred)

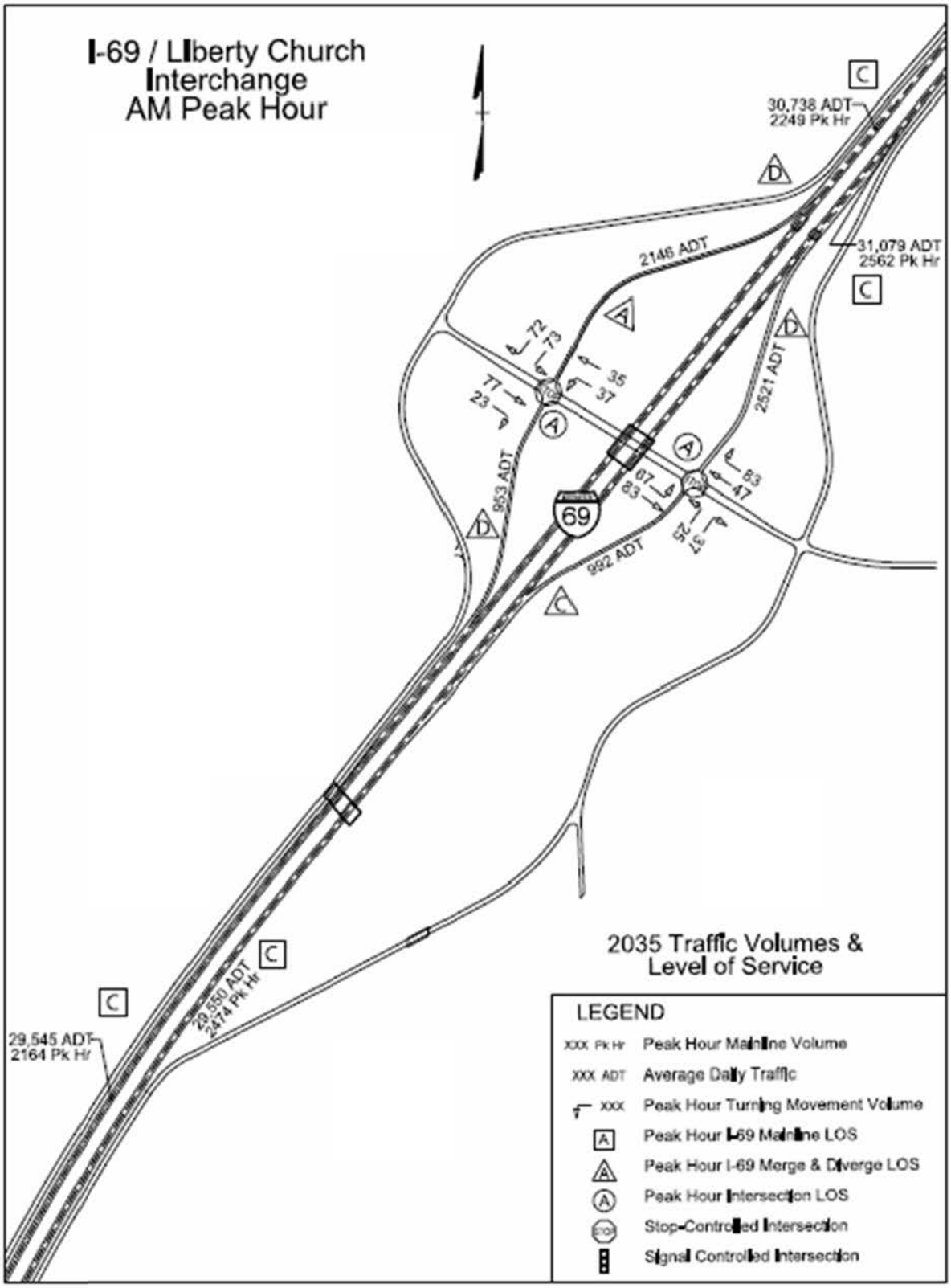
Cross Street	2035 No Build E+C	Alternative 8	
SR 37 (Section 4)	Interchange	Interchange	Refined Preferred Alternative 8 volumes are shown on the subsequent following pages.
Rockport Rd	Intersection E/W	Overpass	
Cross Traffic ADT	8000 / 7700	5500	
Fullerton Pike	Intersection E/W	Interchange	
Cross Traffic ADT E/W of I-69	15100 / 12200	15400 / 11600	
Total Ramp ADT	Not applicable	16500	
Tapp Road	Intersection E/W	Split Interchange w/SR45	
Cross Traffic ADT E/W of I-69	23400 / 21700	15700 / 15500	
Total Ramp ADT	Not applicable	24400	
2nd Street/SR 45	Interchange	Split Interchange w/Tapp	
Cross Traffic ADT E/W of I-69	27600 / 25900	34800 / 31900	
Total Ramp ADT	20800	28600	
SR 48/3rd. Street	Interchange	Interchange	
Cross Traffic ADT E/W of I-69	34100 / 43500	41300 / 47600	
Total Ramp ADT	28100	41300	
SR 46	Interchange	Interchange	
Cross Traffic ADT E/W of I-69	49100 / 46800	55100 / 52100	
Total Ramp ADT	31900	51500	
Kinser Pike	Intersection	Overpass	
Cross Traffic ADT	800 / 1000	2000	
Total Ramp ADT	Not applicable	Not applicable	
Walnut Street	Interchange	Interchange	
Cross Traffic ADT	13800	8000	
Total Ramp	13800	8000	
Sample Road	Intersection E/W	Interchange	
Cross Traffic ADT	2200 / 1700	9600 / 5000	
Total Ramp ADT	Not applicable	15100	
Chambers Pike	Intersection E/W	Overpass	
ADT	400 / 2200	400	
Paragon Road	Intersection at Pine Blvd E/W	No Overpass	
Cross Traffic ADT	600 / 2900	Not applicable	
Total Ramp ADT	Not applicable		
Liberty Church Road	Intersection E/W	Interchange	
Cross Traffic ADT	2000 / 300	4400 / 3100	
Total Ramp ADT	Not applicable	7200	
SR 39 (Section 6)	Interchange	Interchange	

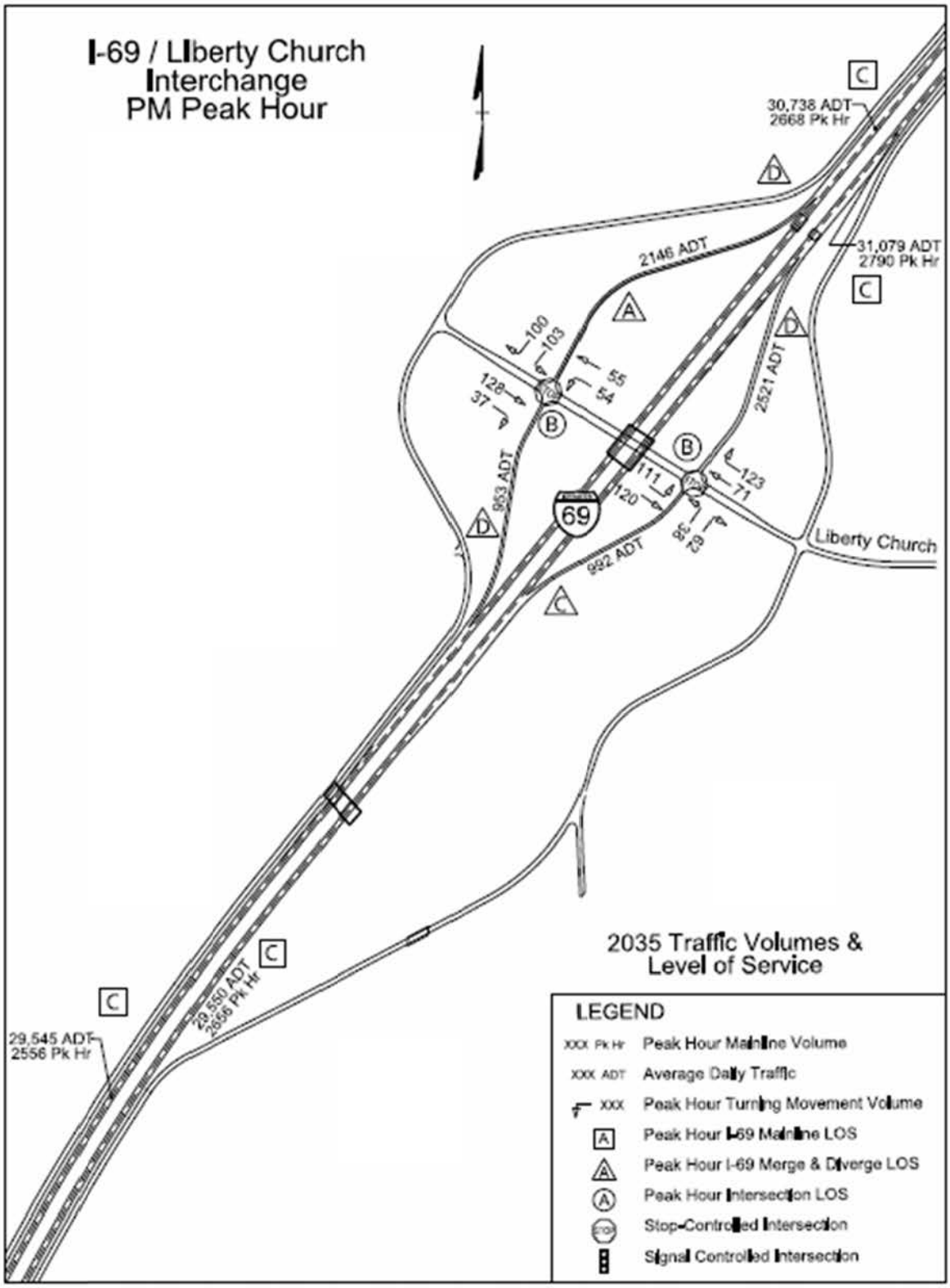
Note: Spacing between Chambers Pike and Liberty Church Interchange is 5.5 miles.

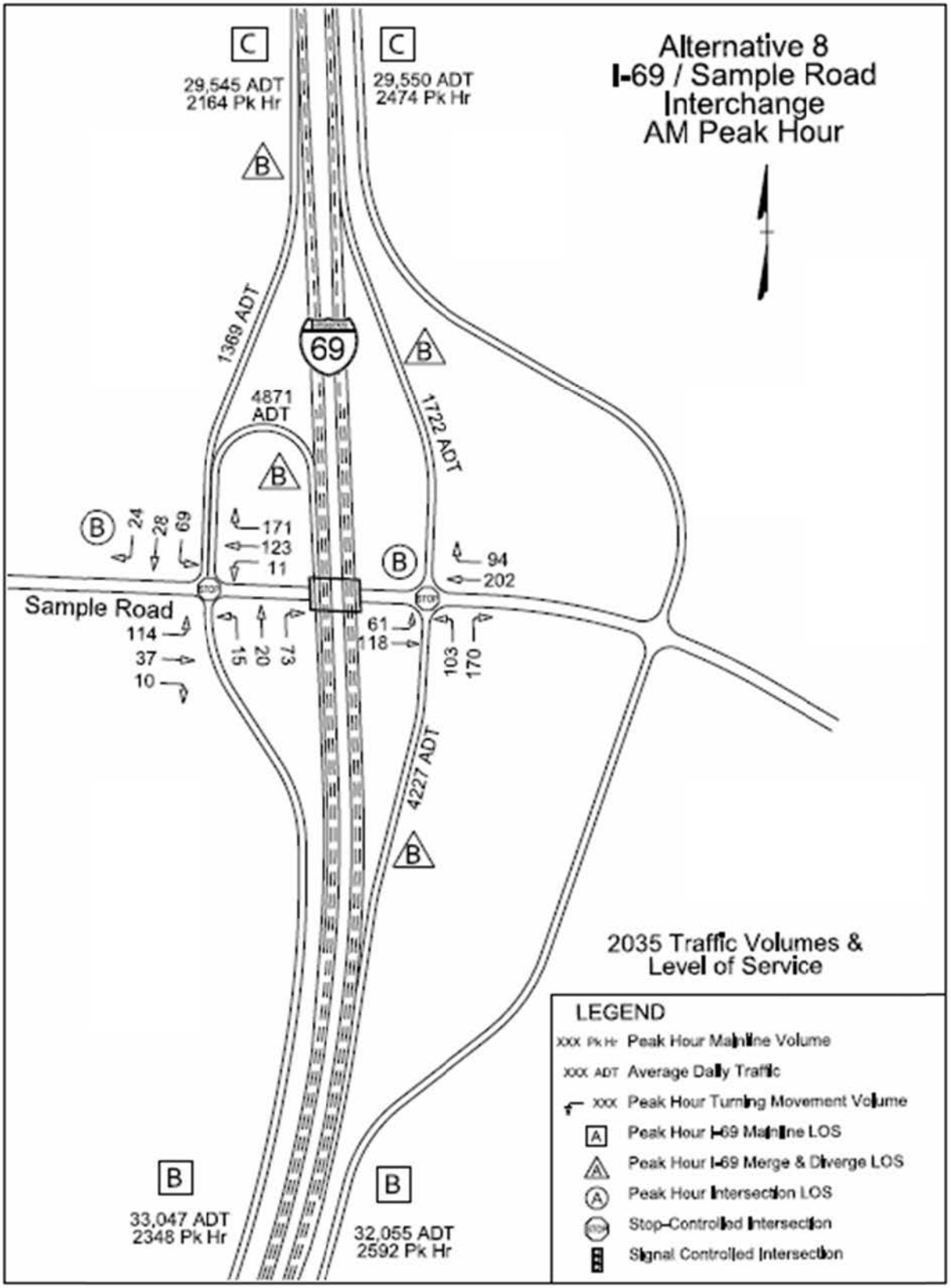
Refined Preferred Alternative 8

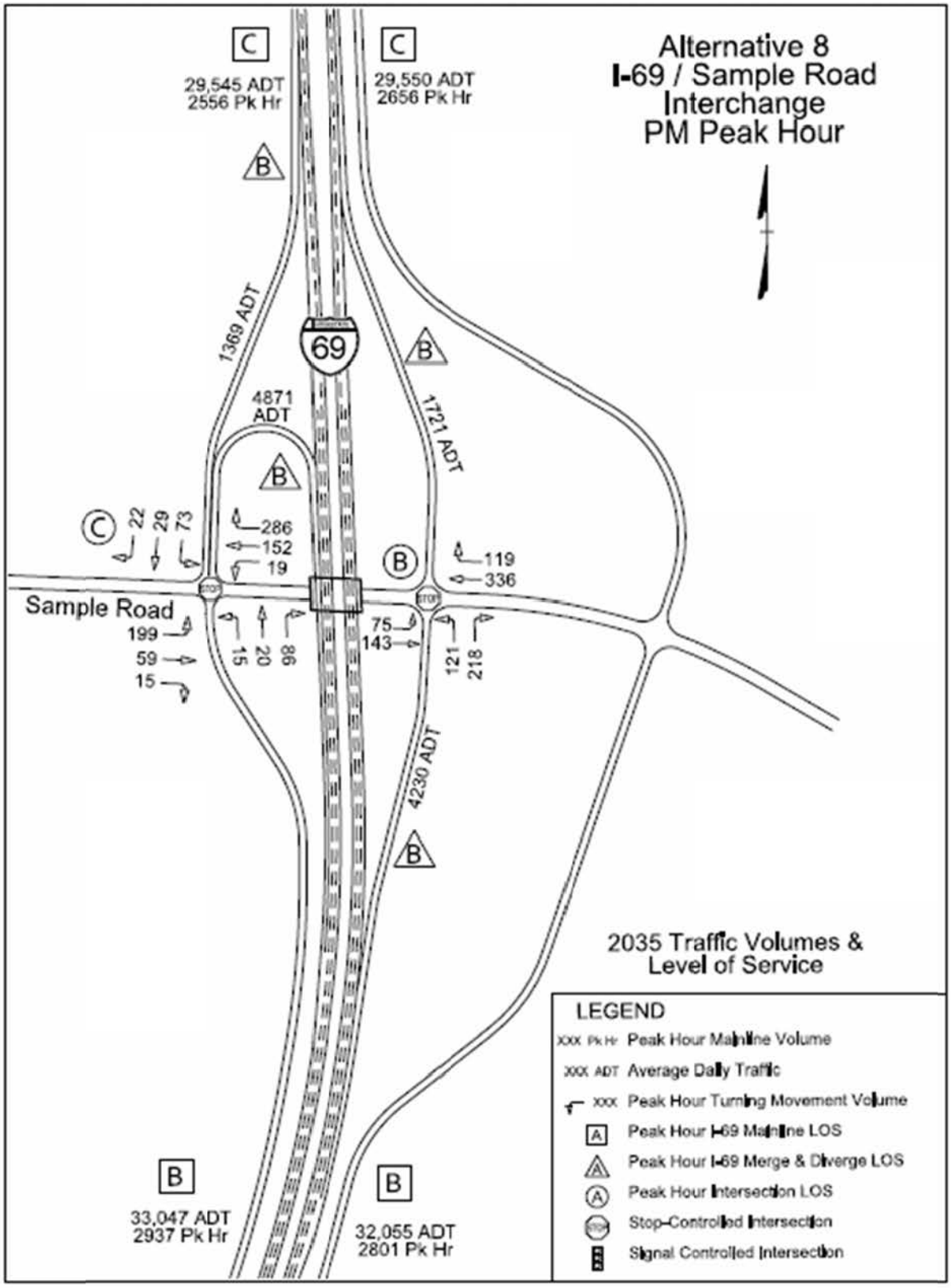


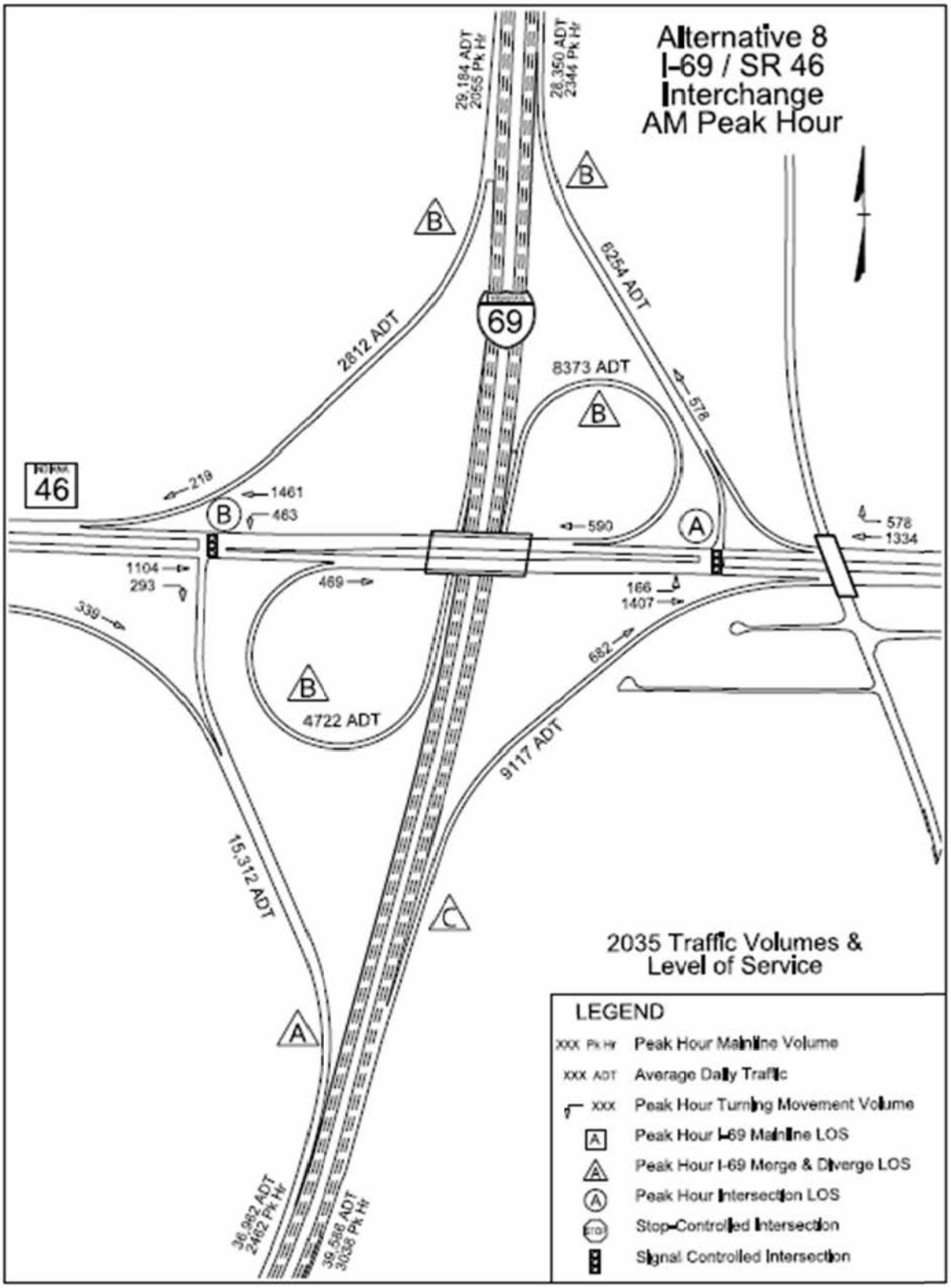

I-69 / Fullerton Pike
Interchange
PM Peak Hour
35,485 ADT
3134 Pk Hr
36,680 ADT
2677 Pk Hr
6510 ADT
1124
ADT
162
65
334
21
210
89
559
249
412
Fullerton Pike
47
221
93
134
43
183
179
6138
ADT
71
79
1877 ADT
69
32,419 ADT
2236 Pk Hr
30,099 ADT
2684 Pk Hr
LEGEND
XXX Pk Hr Peak Hour Mainline Volume
XXX ADT Average Daily Traffic
XXX Peak Hour Turning Movement Volume
Peak Hour I-69 Mainline LOS
Peak Hour I-69 Merge & Diverge LOS
Peak Hour Intersection LOS
Stop-Controlled Intersection
Signal Controlled Intersection
2035 Traffic Volumes &
Level of Service

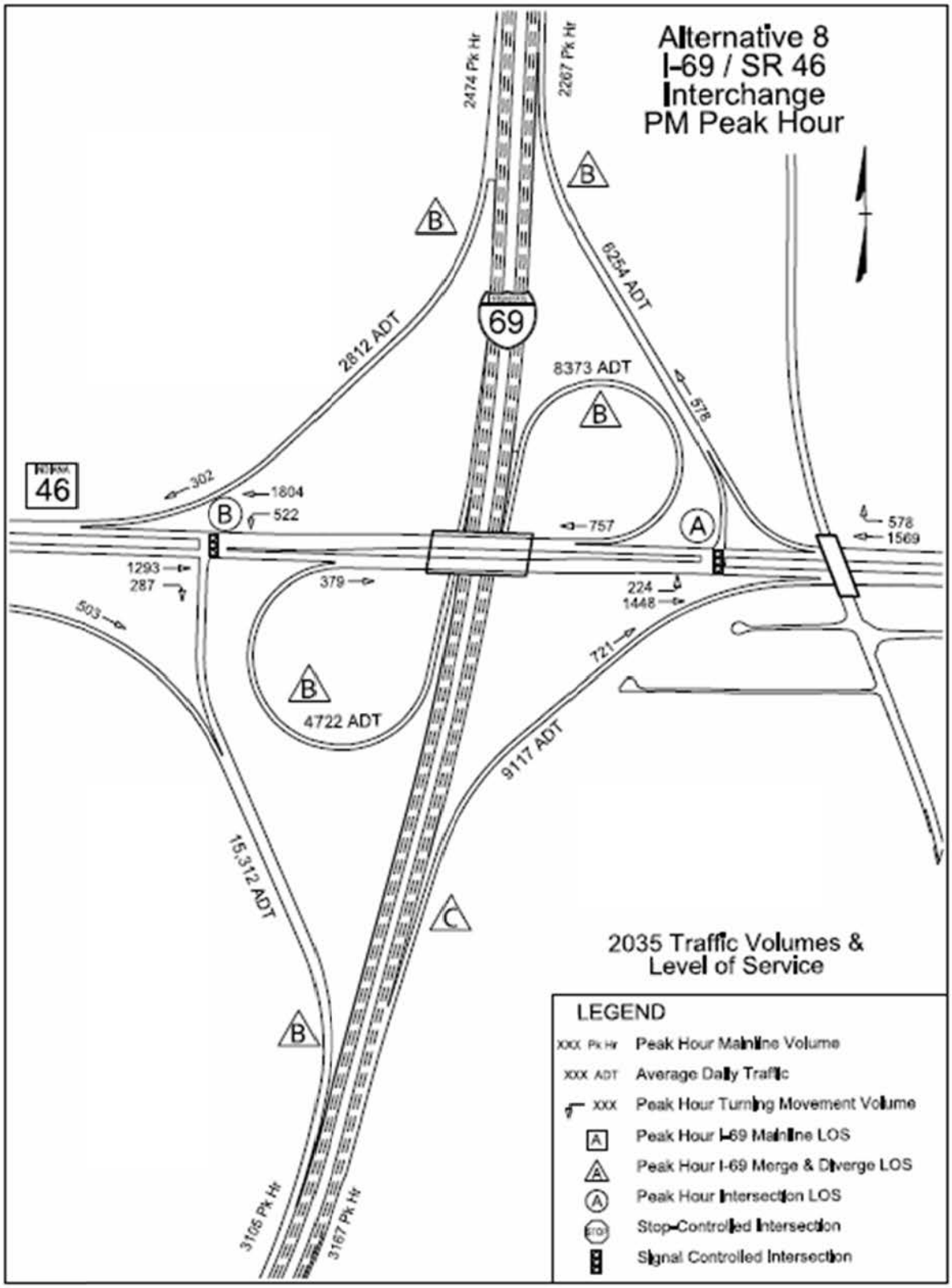

I-69 / Liberty Church
Interchange
AM Peak Hour
30,738 ADT
2249 Pk Hr
31,079 ADT
2562 Pk Hr
2146 ADT
2521 ADT
953 ADT
992 ADT
29,550 ADT
2474 Pk Hr
29,545 ADT
2164 Pk Hr
69
2035 Traffic Volumes &
Level of Service
LEGEND
XXX Pk Hr Peak Hour Mainline Volume
XXX ADT Average Daily Traffic
XXX Peak Hour Turning Movement Volume
Peak Hour I-69 Mainline LOS
Peak Hour I-69 Merge & Diverge LOS
Peak Hour Intersection LOS
Stop-Controlled Intersection
Signal Controlled Intersection

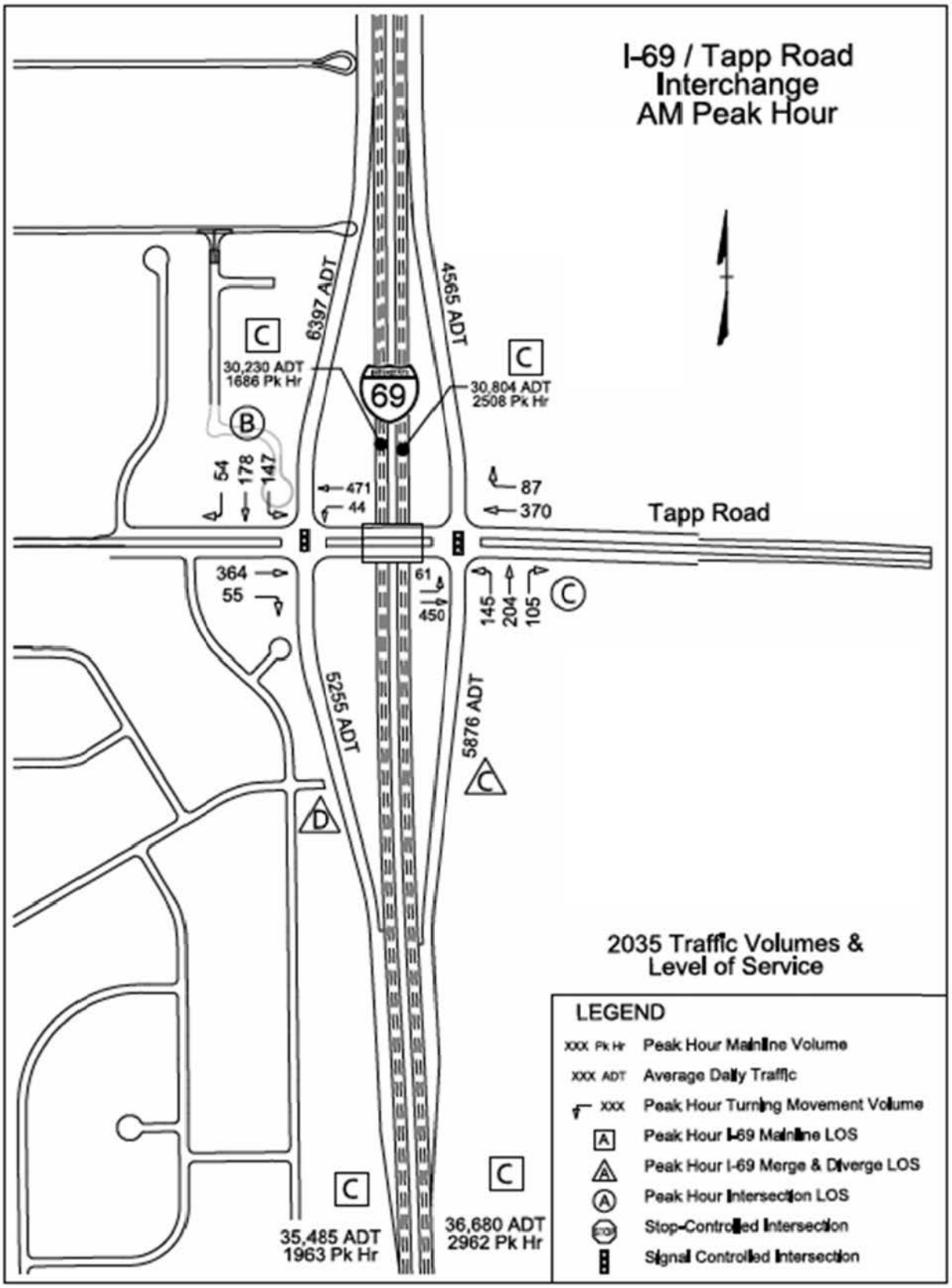

I-69 / Liberty Church
Interchange
PM Peak Hour
30,738 ADT
2668 Pk Hr
31,079 ADT
2790 Pk Hr
2146 ADT
2521 ADT
953 ADT
992 ADT
29,550 ADT
2556 Pk Hr
29,545 ADT
2556 Pk Hr
Liberty Church
69
2035 Traffic Volumes &
Level of Service
LEGEND
XXX Pk Hr Peak Hour Mainline Volume
XXX ADT Average Daily Traffic
XXX Peak Hour Turning Movement Volume
Peak Hour I-69 Mainline LOS
Peak Hour I-69 Merge & Diverge LOS
Peak Hour Intersection LOS
Stop-Controlled Intersection
Signal Controlled Intersection

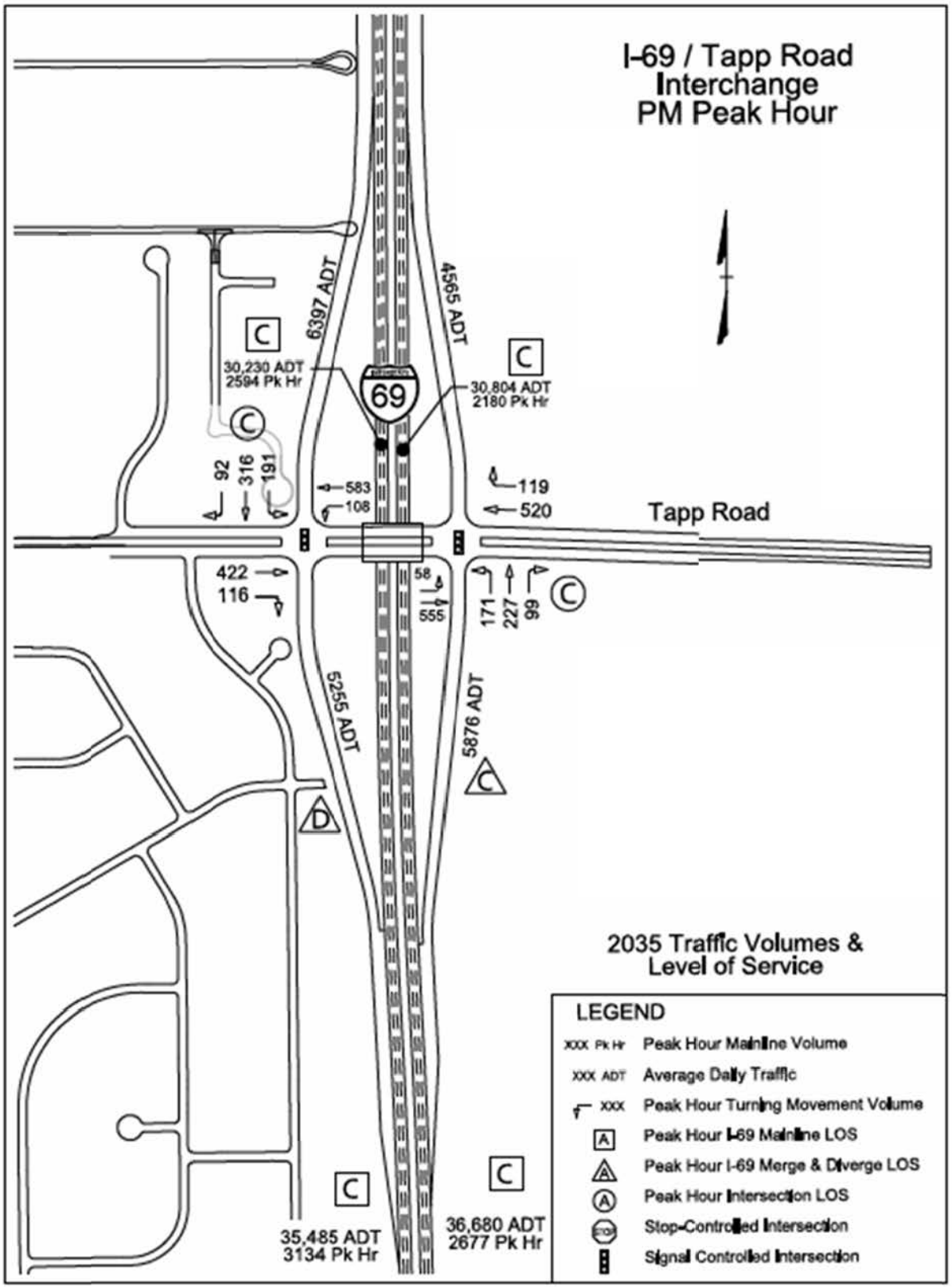

Alternative 8
I-69 / Sample Road
Interchange
AM Peak Hour
C
29,545 ADT
2164 Pk Hr
C
29,550 ADT
2474 Pk Hr
B
1369 ADT
69
B
4871
ADT
1722 ADT
B
B
24
28
69
171
123
11
B
94
202
Sample Road
114
37
10
15
20
73
61
118
103
170
4227 ADT
B
2035 Traffic Volumes &
Level of Service
LEGEND
XXX Pk Hr Peak Hour Mainline Volume
XXX ADT Average Daily Traffic
XXX Peak Hour Turning Movement Volume
A Peak Hour I-69 Mainline LOS
A Peak Hour I-69 Merge & Diverge LOS
A Peak Hour Intersection LOS
STOP Stop-Controlled Intersection
Signal Controlled Intersection
B
33,047 ADT
2348 Pk Hr
B
32,055 ADT
2592 Pk Hr

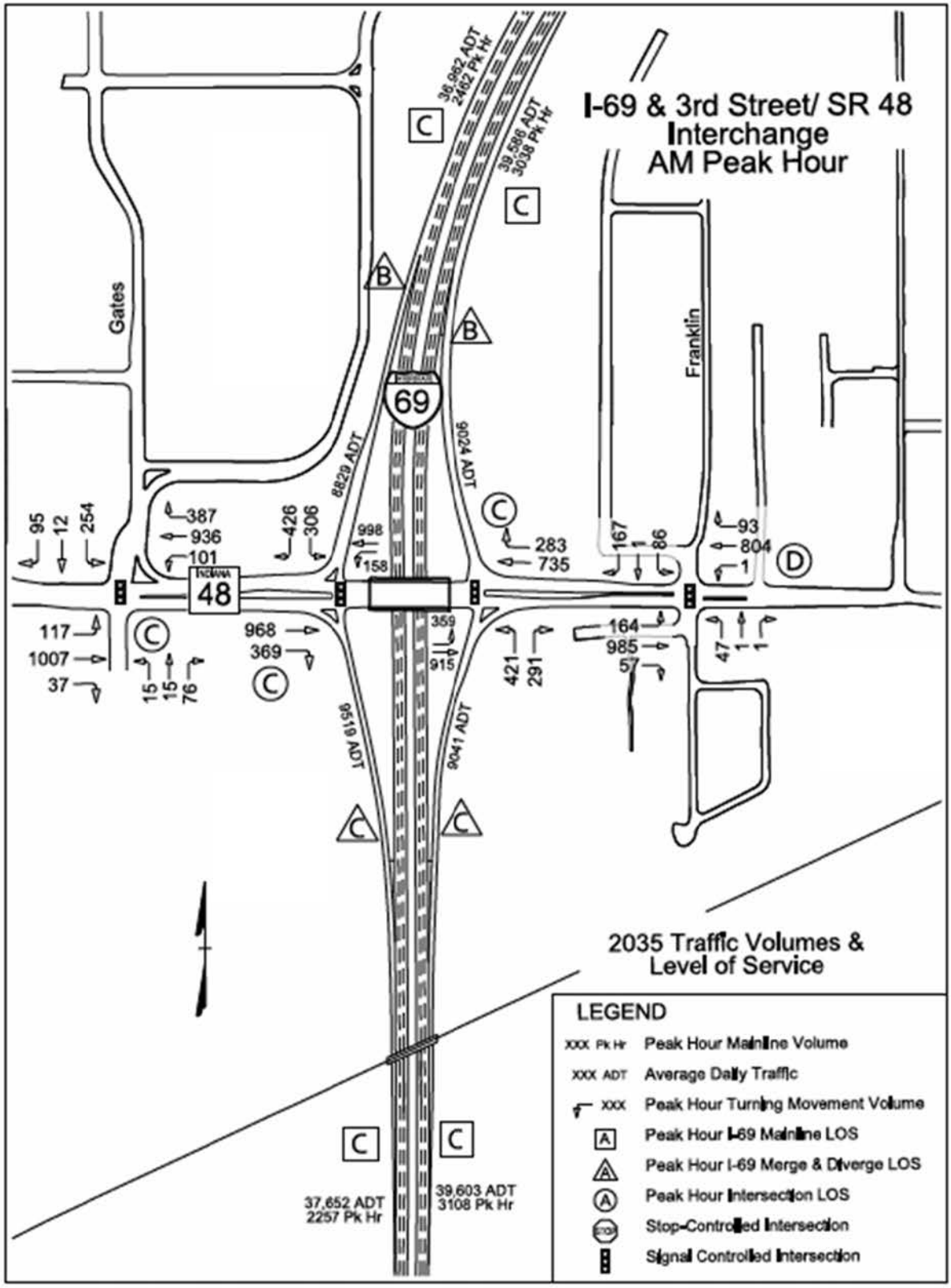

Alternative 8
I-69 / Sample Road
Interchange
PM Peak Hour
C
29,545 ADT
2556 Pk Hr
C
29,550 ADT
2656 Pk Hr
B
1369 ADT
69
B
1721 ADT
4871
ADT
B
C
22
29
73
286
152
19
B
119
336
Sample Road
199
59
15
15
20
86
75
143
121
218
4230 ADT
B
2035 Traffic Volumes &
Level of Service
LEGEND
XXX Pk Hr Peak Hour Mainline Volume
XXX ADT Average Daily Traffic
XXX Peak Hour Turning Movement Volume
A Peak Hour I-69 Mainline LOS
A Peak Hour I-69 Merge & Diverge LOS
A Peak Hour Intersection LOS
STOP Stop-Controlled Intersection
Signal Controlled Intersection
B
33,047 ADT
2937 Pk Hr
B
32,055 ADT
2801 Pk Hr

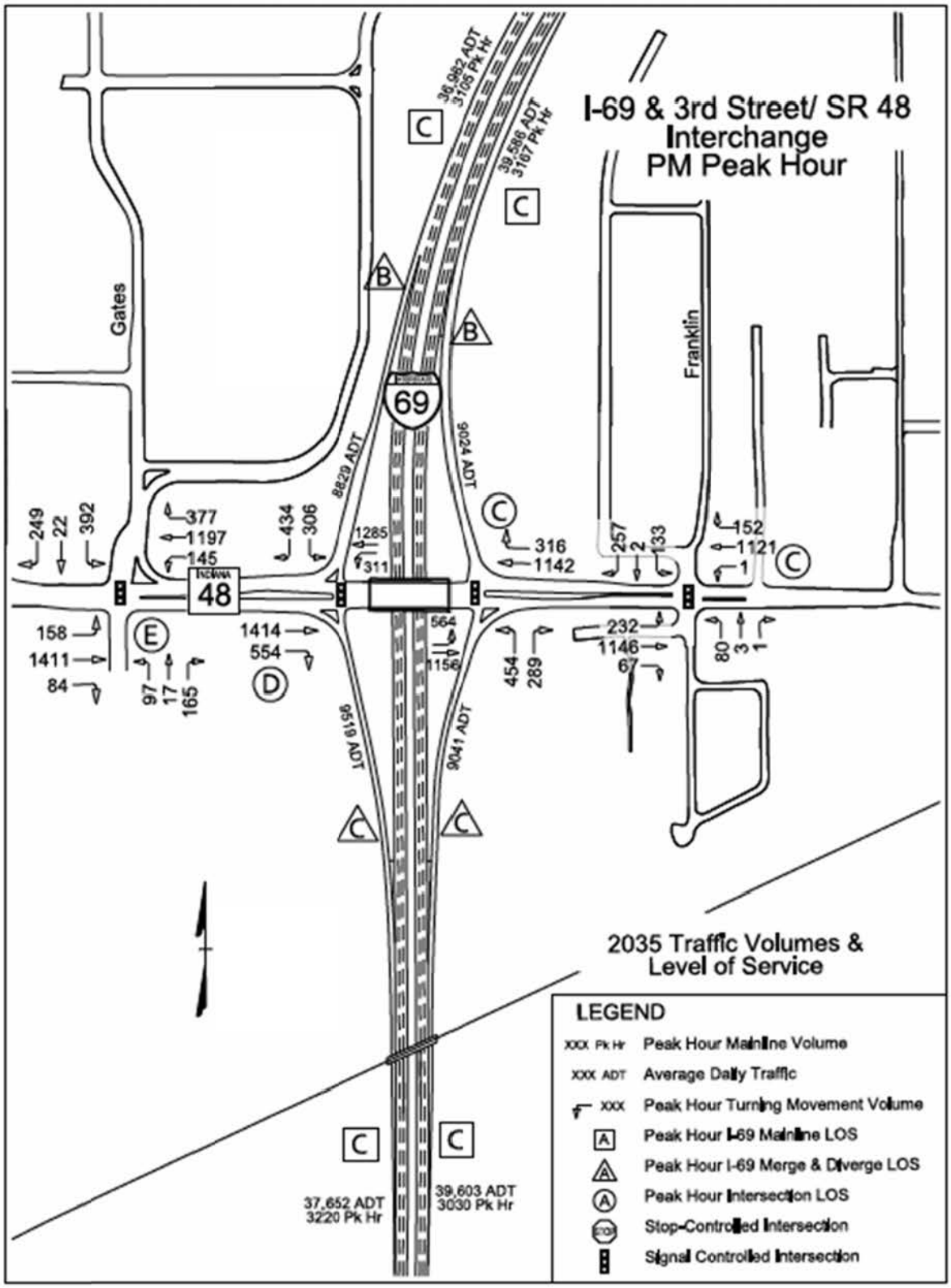

Alternative 8
I-69 / SR 46
Interchange
AM Peak Hour
29,184 ADT
2055 Pk Hr
28,350 ADT
2344 Pk Hr
B
B
6254 ADT
69
2812 ADT
8373 ADT
B
578
46
219
1461
B
463
590
A
578
1334
1104
293
469
166
1407
339
682
B
4722 ADT
9117 ADT
15,312 ADT
C
A
36,982 ADT
2462 Pk Hr
35,586 ADT
3038 Pk Hr
2035 Traffic Volumes &
Level of Service
LEGEND
XXX Pk Hr Peak Hour Mainline Volume
XXX ADT Average Daily Traffic
XXX Peak Hour Turning Movement Volume
A Peak Hour I-69 Mainline LOS
A Peak Hour I-69 Merge & Diverge LOS
A Peak Hour Intersection LOS
STOP Stop-Controlled Intersection
Signal Controlled Intersection

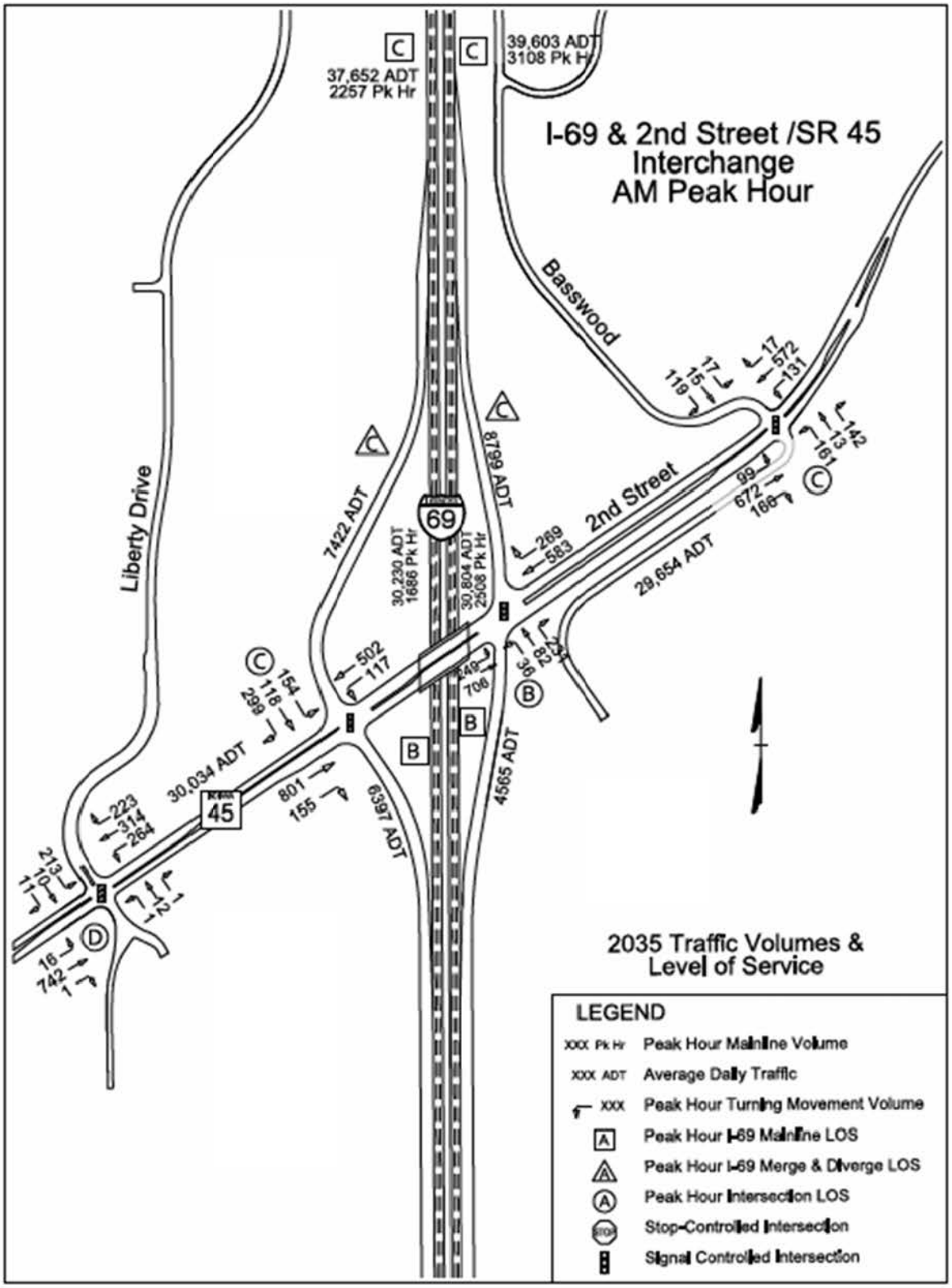

Alternative 8
I-69 / SR 46
Interchange
PM Peak Hour
2474 Pk Hr
2267 Pk Hr
B
B
6254 ADT
69
2812 ADT
8373 ADT
B
578
46
302
1804
B
522
757
A
578
1569
1293
287
379
224
1448
503
721
B
4722 ADT
9117 ADT
15,312 ADT
C
B
3105 Pk Hr
3167 Pk Hr
2035 Traffic Volumes &
Level of Service
LEGEND
XXX Pk Hr Peak Hour Mainline Volume
XXX ADT Average Daily Traffic
XXX Peak Hour Turning Movement Volume
A Peak Hour I-69 Mainline LOS
A Peak Hour I-69 Merge & Diverge LOS
A Peak Hour Intersection LOS
STOP Stop-Controlled Intersection
Signal Controlled Intersection

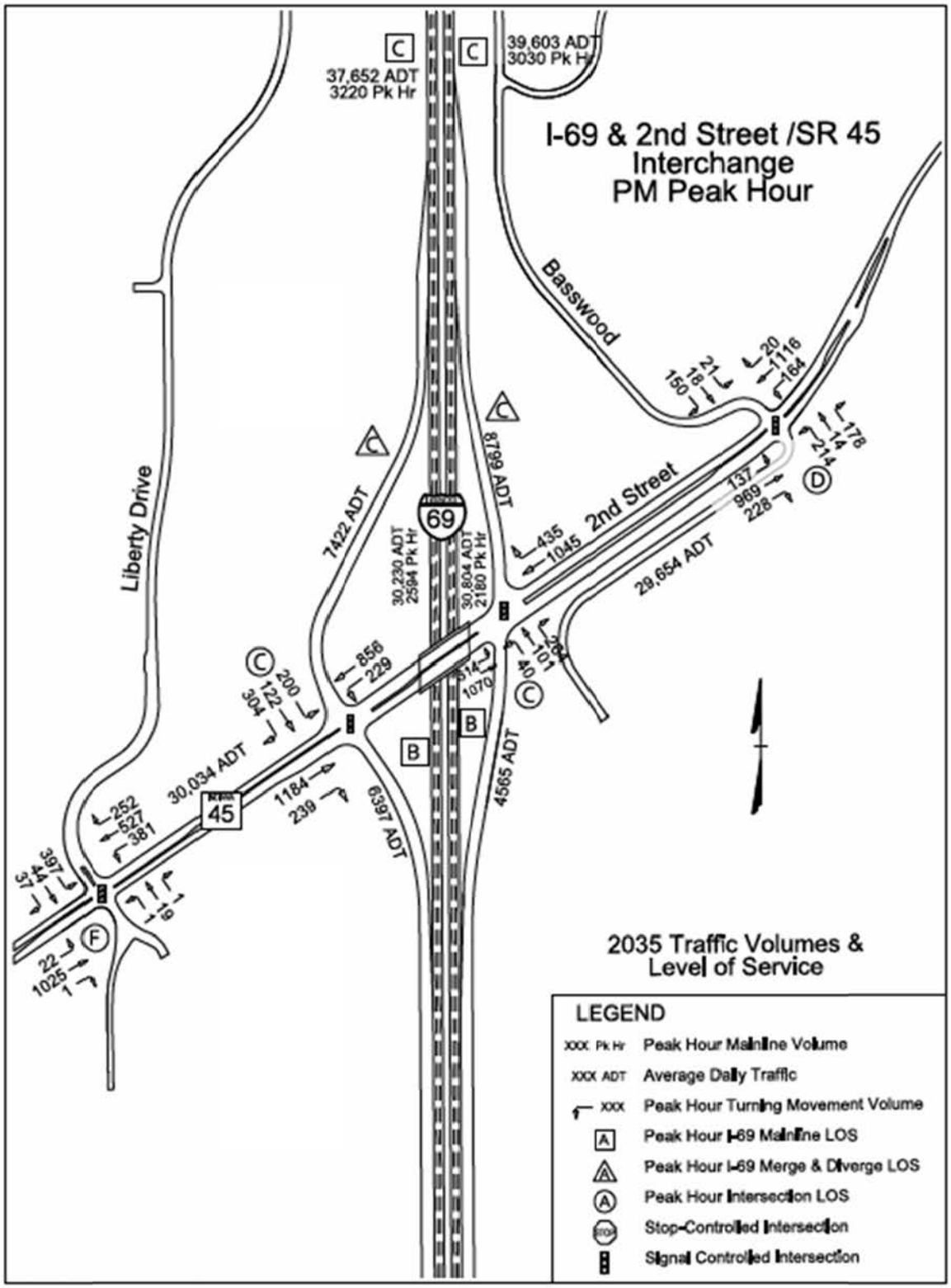

I-69 / Tapp Road
Interchange
AM Peak Hour
6397 ADT
4565 ADT
C
30,230 ADT
1686 Pk Hr
C
30,804 ADT
2508 Pk Hr
69
B
54
178
147
471
44
87
370
Tapp Road
364
55
61
450
145
204
105
C
5255 ADT
5876 ADT
C
D
2035 Traffic Volumes &
Level of Service
LEGEND
XXX Pk Hr Peak Hour Mainline Volume
XXX ADT Average Daily Traffic
XXX Peak Hour Turning Movement Volume
A Peak Hour I-69 Mainline LOS
A Peak Hour I-69 Merge & Diverge LOS
A Peak Hour Intersection LOS
Stop-Controlled Intersection
Signal Controlled Intersection
C
35,485 ADT
1963 Pk Hr
C
36,680 ADT
2962 Pk Hr

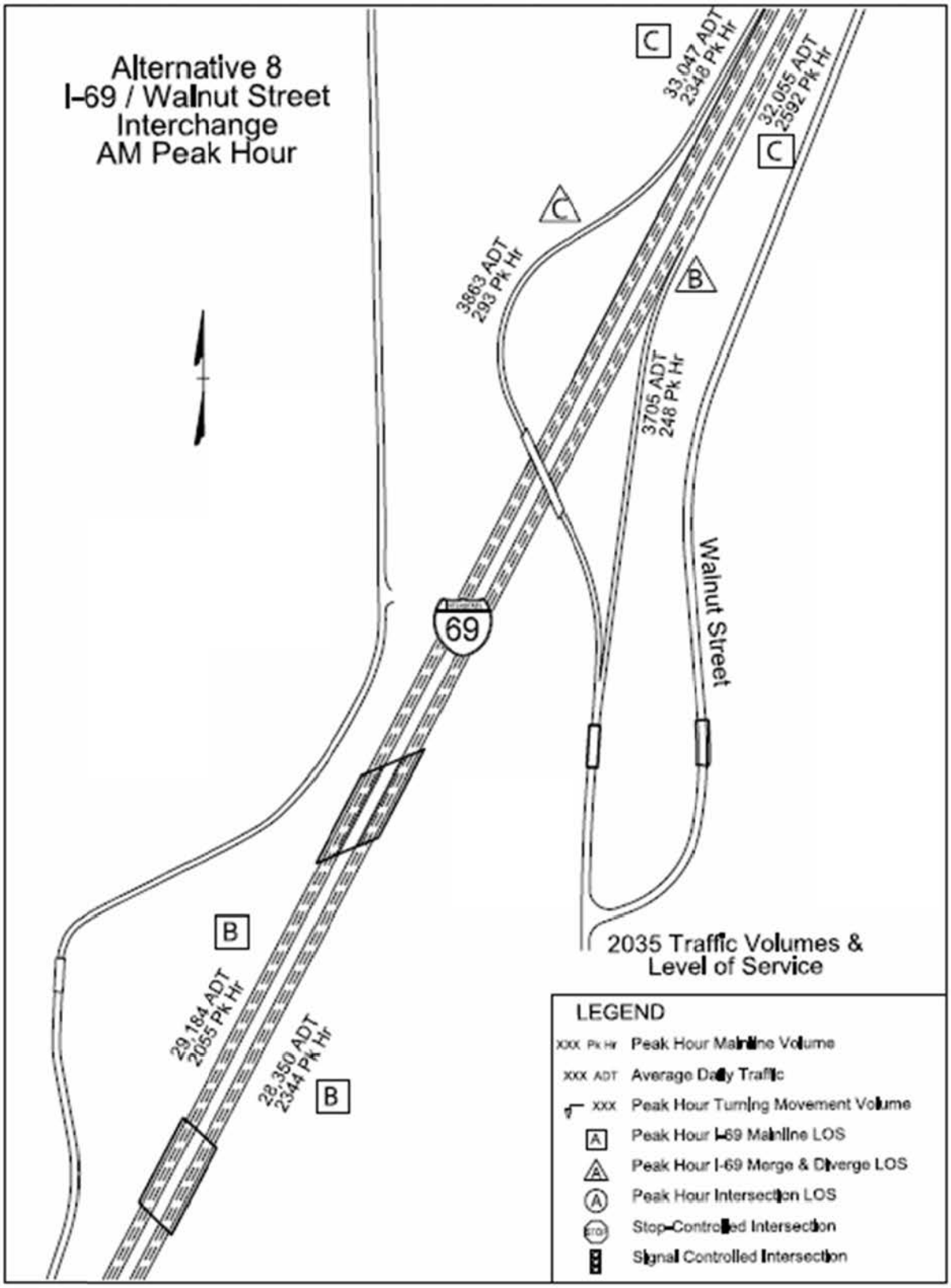

I-69 / Tapp Road
Interchange
PM Peak Hour
6397 ADT
4565 ADT
30,230 ADT
2594 Pk Hr
30,804 ADT
2180 Pk Hr
69
92
316
191
583
108
119
520
Tapp Road
422
116
58
555
171
227
99
5255 ADT
5876 ADT
35,485 ADT
3134 Pk Hr
36,680 ADT
2677 Pk Hr
2035 Traffic Volumes &
Level of Service
LEGEND
XXX Pk Hr Peak Hour Mainline Volume
XXX ADT Average Daily Traffic
XXX Peak Hour Turning Movement Volume
Peak Hour I-69 Mainline LOS
Peak Hour I-69 Merge & Diverge LOS
Peak Hour Intersection LOS
Stop-Controlled Intersection
Signal Controlled Intersection

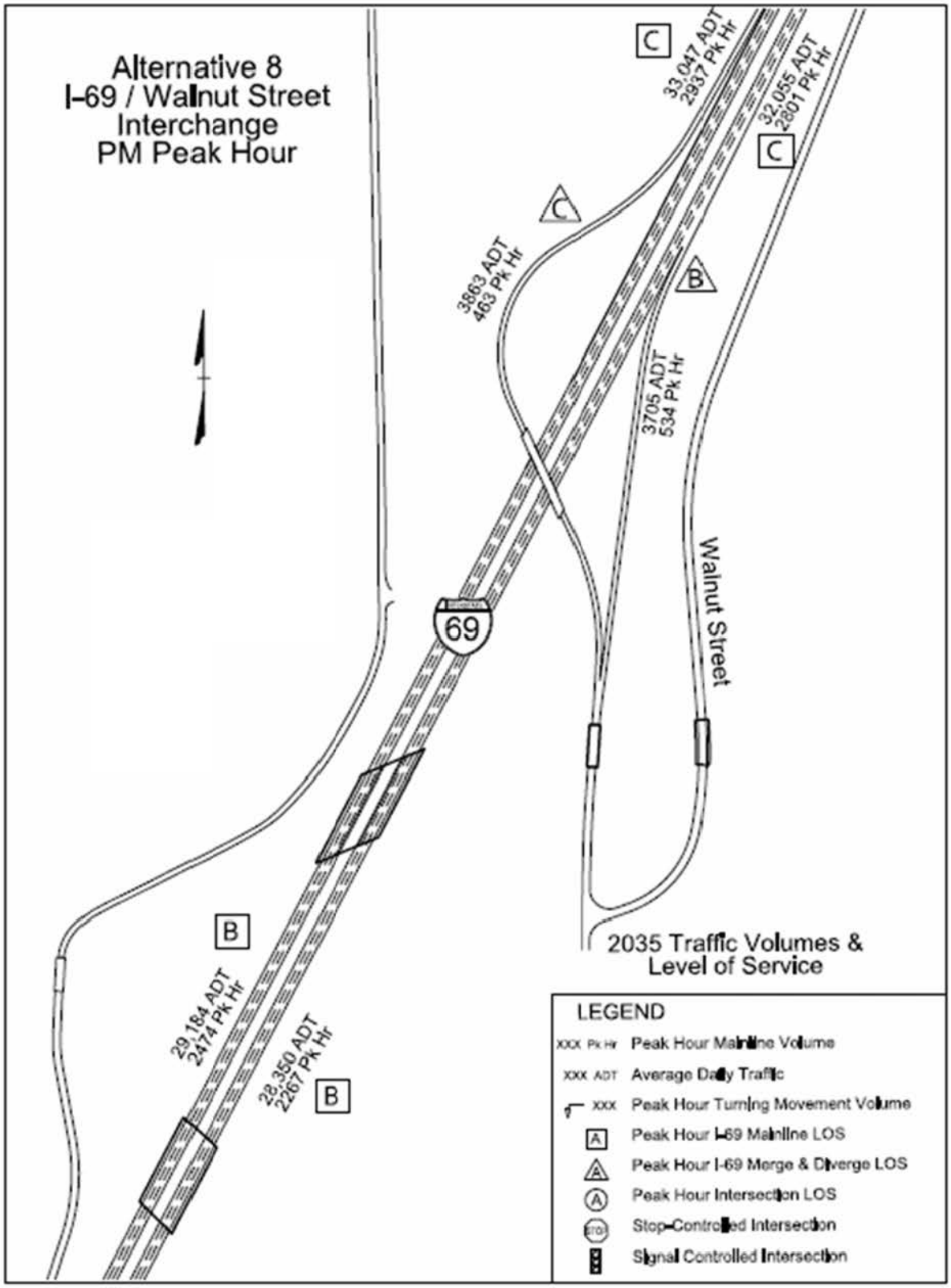

I-69 & 3rd Street/ SR 48
Interchange
AM Peak Hour
36,982 ADT
2462 Pk Hr
39,586 ADT
3038 Pk Hr
Gates
Franklin
69
8829 ADT
9024 ADT
INDIANA
48
95
12
254
387
936
101
426
306
998
158
283
735
167
86
93
804
1
117
1007
37
15
15
76
968
369
359
915
421
291
164
985
57
47
1
1
9519 ADT
9041 ADT
37,652 ADT
2257 Pk Hr
39,603 ADT
3108 Pk Hr
2035 Traffic Volumes &
Level of Service
LEGEND
XXX Pk Hr Peak Hour Mainline Volume
XXX ADT Average Daily Traffic
XXX Peak Hour Turning Movement Volume
Peak Hour I-69 Mainline LOS
Peak Hour I-69 Merge & Diverge LOS
Peak Hour Intersection LOS
Stop-Controlled Intersection
Signal Controlled Intersection


I-69 & 3rd Street/ SR 48
Interchange
PM Peak Hour
2035 Traffic Volumes &
Level of Service
LEGEND
XXX Pk Hr Peak Hour Mainline Volume
XXX ADT Average Daily Traffic
XXX Peak Hour Turning Movement Volume
Peak Hour I-69 Mainline LOS
Peak Hour I-69 Merge & Diverge LOS
Peak Hour Intersection LOS
Stop-Controlled Intersection
Signal Controlled Intersection
Gates
Franklin
INDIANA 69
INDIANA 48
36,992 ADT
3105 Pk Hr
39,586 ADT
3167 Pk Hr
8829 ADT
9024 ADT
9619 ADT
9041 ADT
37,652 ADT
3220 Pk Hr
39,603 ADT
3030 Pk Hr
249
22
392
377
1197
145
434
306
1285
311
316
1142
257
2
133
152
1121
1
158
1411
84
97
17
165
1414
554
564
1156
454
289
232
1146
67
80
3
1


I-69 & 2nd Street /SR 45
Interchange
AM Peak Hour
37,652 ADT
2257 Pk Hr
39,603 ADT
3108 Pk Hr
Basswood
Liberty Drive
2nd Street
7422 ADT
8799 ADT
30,230 ADT
1686 Pk Hr
30,804 ADT
2508 Pk Hr
29,654 ADT
30,034 ADT
6397 ADT
4565 ADT
2035 Traffic Volumes &
Level of Service
LEGEND
XXX Pk Hr Peak Hour Mainline Volume
XXX ADT Average Daily Traffic
XXX Peak Hour Turning Movement Volume
Peak Hour I-69 Mainline LOS
Peak Hour I-69 Merge & Diverge LOS
Peak Hour Intersection LOS
Stop-Controlled Intersection
Signal Controlled Intersection


I-69 & 2nd Street /SR 45
Interchange
PM Peak Hour
37,652 ADT
3220 Pk Hr
39,603 ADT
3030 Pk Hr
Basswood
Liberty Drive
2nd Street
69
45
7422 ADT
8799 ADT
30,230 ADT
2594 Pk Hr
30,804 ADT
2180 Pk Hr
29,654 ADT
30,034 ADT
6397 ADT
4565 ADT
2035 Traffic Volumes &
Level of Service
LEGEND
XXX Pk Hr Peak Hour Mainline Volume
XXX ADT Average Daily Traffic
XXX Peak Hour Turning Movement Volume
Peak Hour I-69 Mainline LOS
Peak Hour I-69 Merge & Diverge LOS
Peak Hour Intersection LOS
Stop-Controlled Intersection
Signal Controlled Intersection


Alternative 8
I-69 / Walnut Street
Interchange
AM Peak Hour
C
33,047 ADT
2348 Pk Hr
32,055 ADT
2592 Pk Hr
C
C
3863 ADT
293 Pk Hr
B
3705 ADT
248 Pk Hr
69
Walnut Street
B
29,184 ADT
2055 Pk Hr
28,350 ADT
2344 Pk Hr
B
2035 Traffic Volumes &
Level of Service
LEGEND
XXX Pk Hr Peak Hour Mainline Volume
XXX ADT Average Daily Traffic
XXX Peak Hour Turning Movement Volume
A Peak Hour I-69 Mainline LOS
A Peak Hour I-69 Merge & Diverge LOS
A Peak Hour Intersection LOS
STOP Stop-Controlled Intersection
Signal Controlled Intersection


Alternative 8
I-69 / Walnut Street
Interchange
PM Peak Hour
C
33,047 ADT
2937 Pk Hr
32,055 ADT
2801 Pk Hr
C
C
3863 ADT
463 Pk Hr
B
3705 ADT
534 Pk Hr
69
Walnut Street
B
29,184 ADT
2474 Pk Hr
28,350 ADT
2267 Pk Hr
B
2035 Traffic Volumes &
Level of Service
LEGEND
XXX Pk Hr Peak Hour Mainline Volume
XXX ADT Average Daily Traffic
XXX Peak Hour Turning Movement Volume
A Peak Hour I-69 Mainline LOS
A Peak Hour I-69 Merge & Diverge LOS
A Peak Hour Intersection LOS
STOP Stop-Controlled Intersection
Signal Controlled Intersection

Existing Condition Traffic Volumes											
		Vehicles					Trucks				
		Daily Vehicles			PM Peak Hour		Daily Trucks			PM Peak Hour	
Segment		SB	NB	Total	SB	NB	SB	NB	Total	SB	NB
SR 39	Liberty/Paragon	12,616	12,616	25,232	964	908	945	945	1,890	40	40
Liberty/Paragon	Sample	12,020	12,020	24,039	1,005	909	1,303	1,303	2,607	32	60
Sample	Kinser/Walnut	12,479	12,479	24,957	1,037	1,245	1,459	1,459	2,918	40	52
Kinser/Walnut	SR 46	9,471	9,471	18,941	722	827	1,043	1,043	2,087	29	43
SR 46	3rd St	19,341	19,341	38,681	1,795	1,565	1,129	1,129	2,258	44	55
3rd St	Bloomfield	19,978	19,978	39,956	1,855	1,548	904	904	1,807	42	42
Bloomfield	Tapp (main)	15,553	15,553	31,106	1,718	1,199	678	678	1,356	31	32
Bloomfield	Tapp (cd)	-	-	-	-	-	-	-	-	32	32
Tapp	Fullerton	13,201	13,201	26,402	1,529	960	827	827	1,653	30	25
Fullerton	SR37	10,214	10,214	20,428	1,121	719	975	975	1,950	27	23

Design Year No Build Alternative Traffic Volumes											
		Vehicles					Trucks				
		Daily Vehicles			PM Peak Hour		Daily Trucks			PM Peak Hour	
Segment		SB	NB	Total	SB	NB	SB	NB	Total	SB	NB
SR 39	Liberty/Paragon	21,554	21,427	42,981	1,913	1,747	5,150	5,150	10,300	192	186
Liberty/Paragon	Sample	22,627	22,200	44,827	2,008	1,810	5,179	5,171	10,350	154	275
Sample	Kinser/Walnut	23,910	23,932	47,842	1,950	2,440	5,176	5,174	10,350	187	240
Kinser/Walnut	SR 46	19,812	18,192	38,005	1,604	1,787	4,738	4,598	9,335	177	255
SR 46	3rd St	32,498	32,867	65,365	2,828	2,663	5,369	5,399	10,768	191	243
3rd St	Bloomfield	34,695	34,194	68,890	3,211	2,711	5,387	5,328	10,715	202	209
Bloomfield	Tapp (main)	33,223	31,149	64,371	3,388	2,384	5,340	5,260	10,600	201	207
Bloomfield	Tapp (cd)	-	-	-	-	-	-	-	-	-	-
Tapp	Fullerton	33,863	31,275	65,138	3,772	2,307	5,292	5,209	10,500	210	175
Fullerton	SR37	33,074	29,074	62,147	3,546	2,001	5,394	5,159	10,553	214	174

Segment		Alternative 4 Traffic Volumes									
		Vehicles					Trucks				
		Daily Vehicles			PM Peak Hour		Daily Trucks			PM Peak Hour	
		SB	NB	Total	SB	NB	SB	NB	Total	SB	NB
SR 39	Liberty/Paragon	33,222	33,019	66,241	2,957	2,697	7,157	7,158	14,314	268	259
Liberty/Paragon	Sample	33,800	33,124	66,924	3,009	2,708	7,174	7,156	14,330	214	382
Sample	Kinser/Walnut	36,112	35,317	71,429	2,927	3,578	7,171	7,128	14,299	261	333
Kinser/Walnut	SR 46	37,903	32,442	70,345	3,063	3,078	7,189	7,114	14,302	270	396
SR 46	3rd St	40,473	43,445	83,918	3,595	3,599	7,109	7,088	14,198	254	321
3rd St	Bloomfield	40,436	42,409	82,845	3,833	3,462	6,780	6,927	13,707	271	235
Bloomfield	Tapp (main)	41,430	40,970	82,400	4,718	3,114	6,807	6,843	13,650	272	232
Bloomfield	Tapp (cd)	-	-	-	-	-	-	-	-	-	-
Tapp	Fullerton	41,430	40,970	82,400	4,718	3,114	6,807	6,843	13,650	272	232
Fullerton	SR37	37,402	37,818	75,220	4,095	2,649	6,725	6,750	13,475	267	227

Segment		Alternative 5 Traffic Volumes									
		Vehicles					Trucks				
		Daily Vehicles			PM Peak Hour		Daily Trucks			PM Peak Hour	
		SB	NB	Total	SB	NB	SB	NB	Total	SB	NB
SR 39	Liberty/Paragon	34,694	34,606	69,300	3,078	2,840	7,205	7,238	14,507	270	262
Liberty/Paragon	Sample	33,337	33,098	66,435	2,990	2,728	7,178	7,208	14,454	214	385
Sample	Kinser/Walnut	35,661	35,343	71,004	2,925	3,632	7,179	7,205	14,461	261	337
Kinser/Walnut	SR 46	32,483	29,439	61,922	2,574	2,873	7,127	6,485	13,706	268	361
SR 46	3rd St	44,902	44,821	89,723	3,957	3,717	7,240	7,117	14,440	259	322
3rd St	Bloomfield	43,122	46,433	89,555	4,091	3,785	6,949	7,025	14,083	263	278
Bloomfield	Tapp (main)	35,748	36,960	72,708	3,737	2,907	6,565	6,607	13,257	248	261
Bloomfield	Tapp (cd)	6,892	6,277	13,168	727	494	241	233	489	9	9
Tapp	Fullerton	42,037	42,856	84,893	4,800	3,244	6,835	6,860	13,794	273	233
Fullerton	SR37	37,382	38,047	75,429	4,087	2,663	6,702	6,722	13,432	266	227

Alternative 6 Traffic Volumes											
		Vehicles					Trucks				
		Daily Vehicles			PM Peak Hour		Daily Trucks			PM Peak Hour	
Segment		SB	NB	Total	SB	NB	SB	NB	Total	SB	NB
SR 39	Liberty/Paragon	34,035	34,052	68,655	3,043	2,802	7,173	7,172	14,345	269	260
Liberty/Paragon	Sample	33,158	32,632	66,523	2,973	2,692	7,157	7,135	14,291	214	381
Sample	Kinser/Walnut	35,275	33,453	68,669	2,847	3,441	7,123	7,073	14,196	259	331
Kinser/Walnut	SR 46	35,275	33,453	68,669	2,827	3,317	7,123	7,073	14,196	267	394
SR 46	3rd St	41,338	43,080	86,481	3,676	3,584	7,160	7,087	14,247	256	321
3rd St	Bloomfield	40,897	43,101	86,938	3,918	3,537	6,839	6,943	13,782	273	236
Bloomfield	Tapp (main)	41,741	41,406	86,185	4,812	3,170	6,799	6,830	13,629	272	232
Bloomfield	Tapp (cd)	-	-	-	-	-	-	-	-	-	-
Tapp	Fullerton	41,741	41,406	86,185	4,812	3,170	6,799	6,830	13,629	272	232
Fullerton	SR37	36,407	37,854	75,575	3,969	2,654	6,637	6,750	13,387	263	227

Alternative 7 Traffic Volumes											
		Vehicles					Trucks				
		Daily Vehicles			PM Peak Hour		Daily Trucks			PM Peak Hour	
Segment		SB	NB	Total	SB	NB	SB	NB	Total	SB	NB
SR 39	Liberty/Paragon	34,531	34,312	69,757	3,105	2,835	7,186	7,180	14,366	269	260
Liberty/Paragon	Sample	33,138	32,691	66,971	2,991	2,712	7,154	7,139	14,293	214	382
Sample	Kinser/Walnut	37,080	35,662	73,048	3,055	3,628	7,192	7,138	14,330	261	334
Kinser/Walnut	SR 46	33,045	31,508	63,805	2,631	3,076	7,128	7,088	14,216	268	395
SR 46	3rd St	42,189	43,860	87,433	3,726	3,614	7,168	7,114	14,281	256	322
3rd St	Bloomfield	42,825	44,646	90,259	4,096	3,648	6,921	7,009	13,930	262	278
Bloomfield	Tapp (main)	35,088	35,220	72,591	3,707	2,773	6,543	6,564	13,107	247	260
Bloomfield	Tapp (cd)	6,661	4,879	11,959	698	391	216	169	385	8	7
Tapp	Fullerton	41,326	41,888	85,966	4,771	3,181	6,800	6,856	13,657	272	233
Fullerton	SR37	36,230	37,584	75,086	3,956	2,629	6,633	6,718	13,351	263	226

Alternative 8 Traffic Volumes											
		Vehicles					Trucks				
		Daily Vehicles			PM Peak Hour		Daily Trucks			PM Peak Hour	
Segment		SB	NB	Total	SB	NB	SB	NB	Total	SB	NB
SR 39	Liberty/Paragon	34,550	34,327	68,877	3,075	2,805	7,186	7,181	14,439	269	260
Liberty/Paragon	Sample	33,209	32,746	65,955	2,959	2,683	7,162	7,140	14,379	214	382
Sample	Kinser/Walnut	37,181	35,584	72,765	3,035	3,572	7,196	7,115	14,397	262	333
Kinser/Walnut	SR 46	33,078	31,626	64,704	2,642	3,052	7,131	7,065	14,300	268	394
SR 46	3rd St	42,243	43,878	86,121	3,683	3,537	7,169	7,113	14,365	256	322
3rd St	Bloomfield	42,831	44,635	87,465	4,024	3,623	6,921	7,008	14,041	262	278
Bloomfield	Tapp (main)	35,093	35,214	70,308	3,647	2,756	6,543	6,564	13,192	247	260
Bloomfield	Tapp (cd)	6,657	4,879	11,536	706	373	216	169	398	8	7
Tapp	Fullerton	41,331	41,888	83,219	4,745	3,165	6,800	6,856	13,753	272	233
Fullerton	SR37	36,234	37,586	73,820	3,946	2,630	6,633	6,718	13,357	263	226

Northbound

		Year 2035											
		AM Peak				PM Peak				Daily			
From	To	Trucks	Total Veh.	PCEs	Truck %	Trucks	Total Veh.	PCEs	Truck %	Trucks	Total Veh.	PCEs	Truck %
SR 37	Fullerton Pike	287	2,679	3,110	11%	108	2,228	2,390	5%	5,943	32,333	41,248	18%
Fullerton Pike	Tapp Rd	295	2,968	3,411	10%	109	2,670	2,834	4%	6,072	36,598	45,706	17%
Tapp Rd	2nd St	279	2,505	2,924	11%	93	2,177	2,317	4%	5,829	30,689	39,433	19%
2nd St	3rd St	306	3,105	3,564	10%	113	3,048	3,218	4%	6,222	39,502	48,835	16%
3rd St	SR 46	321	3,013	3,495	11%	121	3,163	3,345	4%	6,368	39,605	49,157	16%
SR 46	Walnut St	324	2,319	2,805	14%	121	2,253	2,435	5%	6,282	28,428	37,851	22%
Walnut St	Sample Rd	326	2,560	3,212	13%	124	2,792	3,040	4%	6,328	32,036	44,692	20%

Southbound

		Year 2035											
		AM Peak				PM Peak				Daily			
From	To	Trucks	Total Veh.	PCEs	Truck %	Trucks	Total Veh.	PCEs	Truck %	Trucks	Total Veh.	PCEs	Truck %
SR 37	Fullerton Pike	282	1,500	1,923	19%	101	2,618	2,770	4%	5,858	30,103	38,890	19%
Fullerton Pike	Tapp Rd	292	1,946	2,384	15%	107	3,106	3,267	3%	6,039	35,586	44,645	17%
Tapp Rd	2nd St	280	1,670	2,090	17%	94	2,569	2,710	4%	5,841	30,340	39,102	19%
2nd St	3rd St	301	2,239	2,691	13%	110	3,232	3,397	3%	6,173	37,791	47,051	16%
3rd St	SR 46	322	2,435	2,918	13%	121	3,083	3,265	4%	6,360	37,038	46,578	17%
SR 46	Walnut St	328	2,069	2,725	16%	125	2,465	2,715	5%	6,343	29,388	42,074	22%
Walnut St	Sample Rd	331	2,309	2,806	14%	127	2,900	3,091	4%	6,401	32,972	42,574	19%

APPENDIX W
FINAL NOISE TECHNICAL REPORT

TECHNICAL REPORT APPENDICES

APPENDIX A	Figures
APPENDIX B	Noise Meter Calibration and Weather Data
APPENDIX C	Ambient Noise Measurement Logs
APPENDIX D	Traffic Volumes
APPENDIX E	**Predicted Sound Levels**
APPENDIX F	TNM Input/Output Tables

I-69 Section 5 Predicted Sound Levels

Receptor	NSA	Represented by NSA Measurement Site(s)	NAC-Land Use	Number of DU's	NAC	Existing Year	Design Year No Build	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Refined Preferred Alt 8
1	1	M-26	B-Residential	1	66	64.3	68.7	X	X	X	X	X	X
2	1	M-26	B-Residential	1	66	65.8	70.1	X	X	X	X	X	X
3	1	M-26	B-Residential	1	66	61.2	65.8	X	X	X	X	X	X
4	1	M-26	B-Residential	1	66	56.4	61.2	X	X	X	X	X	X
5	1	M-26	B-Residential	1	66	66.9	71.2	**X**	X	X	X	X	X
6	1	M-26	B-Residential	1	66	66.6	70.8	X	X	X	X	X	X
7	1	M-26	B-Residential	1	66	52.9	57.6	60.6	60.4	61.1	61.1	60.8	62.6
8	1	M-26	B-Residential	1	66	53.8	58.6	61.3	61	61.8	61.8	61.5	63.5
9	1	M-26	B-Residential	1	66	53.5	58.5	60.9	60.7	61.5	61.5	61.3	62
10	1	M-26	B-Residential	1	66	67.4	71.6	**75**	**74.9**	**75.9**	**76**	**75.1**	**75**
11	1	M-26	B-Residential	1	66	69.8	73.9	**77**	**77.1**	X	**78.2**	**77.3**	**76.8**
12	1	M-26	B-Residential	1	66	65	69.3	**73.4**	62.3	**73.6**	**73.6**	**72.6**	**73.1**
13	1	M-26	B-Residential	1	66	69.5	73.6	**76.7**	X	X	**77.9**	**77**	**76.5**
14	1	M-26	B-Residential	1	66	63.4	67.8	**67.9**	**67.2**	**72**	**72**	**71.1**	**68**
15	1	M-26	B-Residential	1	66	63.9	68.3	**70.1**	**69.6**	**72.5**	**72.5**	**71.5**	**72.4**
16	1	M-26	B-Residential	1	66	69.1	73.2	**76.4**	**76.4**	**77.4**	**77.4**	**76.4**	**75.9**
17	1	M-26	B-Residential	1	66	55.2	60.1	63.1	62.7	63.5	63.5	63.3	64.1
18	1	M-26	B-Residential	1	66	58	62.9	**66.2**	**66**	**66.4**	**66.4**	**66**	**66.4**
19	1	M-26	B-Residential	1	66	67.2	71.5	X	X	**75.5**	**75.5**	**74.6**	**75.9**
20	1	M-26	B-Residential	1	66	70.1	74.2	X	X	X	X	X	**77**
21	1	M-26	B-Residential	1	66	54.8	60	X	63.6	X	X	X	63.8
22	1	M-26	B-Residential	1	66	60	64.6	X	**69.1**	X	X	X	**67.8**
23	1	M-26	E-Hotel office	1	71	67	71.2	X	**76.2**	X	X	X	**74**
24	1	M-26	E-Hotel	12	71	67.1	71.3	X	**75.4**	X	X	X	**74.1**
25	1	M-26	C-Cemetery	1	66	69.6	73.7	**77.4**	**77.1**	**77.5**	**77.5**	**76.7**	**76.7**
26	1	M-26	B-Residential	1	66	53.2	57.7	62.4	62.3	62.1	62.2	62.1	63.2
27	1	M-26	B-Residential	1	66	51.3	56.1	59	59.5	59.5	59.9	59.7	62.9
28	1	M-26	B-Residential	1	66	61.5	66	X	X	X	X	X	**72.2**
29	1	M-26	B-Residential	1	66	60.8	62.8	59.6	X	X	X	X	62.5
30	1	M-26	B-Residential	1	66	63.1	65.2	X	X	X	X	X	X
31	1	M-26	B-Residential	1	66	61.8	65.2	X	X	X	X	X	X
32	1	M-26	B-Residential	1	66	51.9	56.6	58.7	57.5	X	X	X	60.9
33	2	M-24, 25	B-Residential	1	66	51.5	56.6	60.4	59.5	60.4	60.5	60	61
34	2	M-24, 25	B-Residential	1	66	54.8	60.2	64.4	64	64.3	64.2	63.6	**66.6**
35	2	M-24, 25	B-Residential	1	66	58.6	63.9	**69**	**68.1**	**68.1**	**68.2**	**67.5**	**69.3**
36	2	M-24, 25	B-Residential	1	66	61.9	67	**71.8**	**71.4**	**70.6**	**70.6**	**70**	**71**
37	2	M-24, 25	B-Residential	1	66	67.1	71.9	**76**	X	**75.5**	**75.5**	**74.5**	**74.4**
38	2	M-24, 25	B-Residential	1	66	51	56.3	58.6	58.5	59.7	59.7	59.8	63.9
39	2	M-24, 25	B-Residential	1	66	53.4	58.8	62.4	62.1	61.9	61.9	62.2	**66.2**
40	2	M-24, 25	B-Residential	1	66	63.5	68.2	X	X	**71.5**	**71.5**	**72.1**	**73.5**
41	2	M-24, 25	B-Residential	1	66	64.1	68.7	X	X	**72.1**	**72.1**	**72.7**	**73.2**
42	2	M-24, 25	B-Residential	1	66	58.2	63.3	**67.1**	**66.8**	**66.5**	**66.5**	**66.9**	**66.5**
43	2	M-24, 25	B-Residential	1	66	45.6	51.2	53.9	53.8	53.8	53.7	54	52.5
44	2	M-24, 25	B-Residential	1	66	57.1	61.8	X	X	X	X	X	**X**
45	3	M-23	B-Residential	1	66	65.2	70.3	X	X	X	X	X	**X**
46	3	M-23	B-Residential	1	66	60	65.3	**68.9**	**69**	**68.6**	**68.6**	**68.1**	**68.8**
47	3	M-23	B-Residential	1	66	57.4	63	65.7	**66.4**	**66.2**	**66.2**	**66**	63.2
48	3	M-23	B-Residential	1	66	55.1	60.7	63.3	64	63.7	63.7	63.5	62.2
49	3	M-23	B-Residential	1	66	55.7	61.3	63.7	64.7	64.4	64.5	64.2	60.9
50	3	M-23	B-Residential	1	66	56.1	61.7	64.1	64.6	64.8	64.9	64.7	60.5
51	3	M-23	B-Residential	1	66	63.4	68.4	X	X	**71.9**	X	**71.3**	X
52	3	M-23	B-Residential	1	66	50.1	55.3	56.8	58.2	57.9	58.1	58	62.4
53	3	M-23	B-Residential	1	66	54.4	59.8	X	X	62.3	X	X	61.4
54	3	M-23	B-Residential	1	66	53.5	59	53.2	X	X	62.7	58	60.4
55	4	M-20, 21, 22	B-Residential	1	66	62.6	67.2	X	X	X	X	X	X
56	4	M-20, 21, 22	B-Residential	1	66	64.2	68.8	X	X	**72.4**	**72.1**	**71.8**	X
57	4	M-20, 21, 22	B-Residential	1	66	63.8	68.4	X	**71.7**	**73.2**	**71.7**	**71.1**	**71.1**

I-69 Section 5 Predicted Sound Levels													
Receptor	NSA	Represented by NSA Measurement Site(s)	NAC-Land Use	Number of DU's	NAC	Existing Year	Design Year No Build	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Refined Preferred Alt 8
58	4	M-20, 21, 22	B-Residential	1	66	49.4	54.3	X	58.8	60.9	59.9	59.1	58.2
59	4	M-20, 21, 22	B-Residential	1	66	42.5	42.5	53.3	49.1	50.4	49.6	48.6	47.3
60	4	M-20, 21, 22	B-Residential	1	66	42.5	42.5	49.6	47.9	49.4	48.6	47.8	46.6
61	4	M-20, 21, 22	B-Residential	1	66	42.5	42.5	48.2	46.9	48	47.3	46.8	45.7
62	4	M-20, 21, 22	B-Residential	1	66	58	59.1	**67.2**	**69.7**	**70.2**	**69.8**	**69.1**	X
63	4	M-20, 21, 22	B-Residential	1	66	50.1	54.8	58.7	58.8	58.7	58.5	58.5	58
64	4	M-20, 21, 22	B-Residential	1	66	50.2	54.7	59.2	58.7	58.9	58.8	58.7	57.2
65	4	M-20, 21, 22	B-Residential	1	66	49	53.8	58.3	57.8	57.9	57.8	57.8	57.3
66	4	M-20, 21, 22	B-Residential	1	66	51.6	56.3	61	60.4	60.3	60.2	60.2	59.9
67	4	M-20, 21, 22	B-Residential	1	66	43.6	48.7	52.6	52	52.2	52.1	52	48.2
68	4	M-20, 21, 22	B-Residential	1	66	46.2	51.4	X	X	55.4	55.2	X	53.4
69	4	M-20, 21, 22	B-Residential	1	66	42.3	47.3	53.2	52.7	53.7	52.7	52.9	49.9
70	4	M-20, 21, 22	B-Residential	1	66	43.2	48.1	X	X	53.8	52.9	X	50
71	4	M-20, 21, 22	B-Residential	1	66	46.5	51.5	X	X	56.8	55.8	X	X
72	4	M-20, 21, 22	B-Residential	1	66	51.1	56	61.6	61.6	61.6	60.8	62.6	61.3
73	4	M-20, 21, 22	B-Residential	1	66	61.9	66.5	X	X	X	X	X	X
74	4	M-20, 21, 22	B-Residential	1	66	66.1	70.4	X	X	X	X	X	X
75	4	M-20, 21, 22	B-Residential	1	66	62.8	67.2	X	**69.7**	**70.6**	**69.7**	**70.9**	**68.4**
76	4	M-20, 21, 22	B-Residential	1	66	52.2	57	X	X	61.6	60.7	61.7	58.7
77	4	M-20, 21, 22	C-Place of Worship	1	66	49.1	53.8	57.9	55.1	57.2	56.3	57.1	56.7
78	4	M-20, 21, 22	B-Residential	1	66	62.2	65	X	X	62.9	62.6	63.6	62
79	4	M-20, 21, 22	B-Residential	1	66	50.2	54.9	59.7	56.6	57.8	57.2	58.2	57.5
80	4	M-20, 21, 22	B-Residential	1	66	62.3	65.4	X	65.4	**66.1**	65.8	**66.7**	**68.7**
81	4	M-20, 21, 22	B-Residential	1	66	58.7	63.3	X	65.4	**66.1**	**66**	**66.6**	**69.2**
82	4	M-20, 21, 22	B-Residential	1	66	59.4	64	X	**66.6**	**67**	**67**	**67.6**	**67.8**
83	4	M-20, 21, 22	B-Residential	1	66	60.6	65.2	X	**68**	**68.4**	**68.4**	**68.9**	**70.9**
84	4	M-20, 21, 22	B-Residential	1	66	52.3	57.3	62.8	59.4	60.4	60.5	61	62.5
85	4	M-20, 21, 22	B-Residential	1	66	62.1	66.6	X	**69.6**	**69.9**	**69.8**	**70.4**	**72**
86	4	M-20, 21, 22	B-Residential	1	66	62.3	66.8	X	**70**	**70.2**	**69.9**	**70.7**	**71.4**
87	4	M-20, 21, 22	B-Residential	1	66	47.5	52.7	55	55.4	55.6	55.5	56	52.2
88	4	M-20, 21, 22	B-Residential	1	66	56.8	61.5	65.7	64.4	64.7	64.3	65	**67.5**
89	4	M-20, 21, 22	B-Residential	1	66	52.1	56.9	60.4	60	59.9	59.9	59.9	61
90	4	M-20, 21, 22	B-Residential	1	66	47.7	52.9	55.9	55.8	55.5	55.6	55.5	56.2
91	4	M-20, 21, 22	B-Residential	1	66	42.5	45.4	47.7	48	47.6	47.6	47.6	46.8
92	4	M-20, 21, 22	B-Residential	1	66	50.9	55.9	59.4	59	58.8	58.8	58.6	58.3
93	4	M-20, 21, 22	B-Residential	1	66	51	55.9	59.3	58.9	58.7	58.9	58.8	58.1
94	4	M-20, 21, 22	B-Residential	1	66	63.4	67.9	**71.6**	**71.1**	**71.1**	**71**	**71.6**	**73.2**
95	4	M-20, 21, 22	B-Residential	1	66	50.8	56.1	59.1	59	58.8	58.8	58.6	59.5
96	4	M-20, 21, 22	B-Residential	1	66	49.8	54.7	58.4	57.9	57.9	57.9	58	58.8
97	4	M-20, 21, 22	B-Residential	1	66	58.2	63.1	**67**	**66.3**	**66.3**	X	**66.7**	**69.8**
98	4	M-20, 21, 22	B-Residential	1	66	62	66.7	**71.5**	**70.6**	**70.6**	**70.6**	**71.1**	**72.4**
99	4	M-20, 21, 22	B-Residential	1	66	58.5	63.4	**67.7**	**66.9**	**67.2**	**67.3**	**67.5**	**70.5**
100	4	M-20, 21, 22	B-Residential	1	66	57.9	62.7	**67.1**	**66.4**	**66.8**	**66.8**	**67.1**	**70.5**
101	4	M-20, 21, 22	B-Residential	1	66	51.2	56.5	X	X	X	59.9	X	X
102	4	M-20, 21, 22	B-Residential	1	66	65.1	69.6	X	X	X	X	X	X
103	4	M-20, 21, 22	B-Residential	1	66	57.8	62.9	X	X	X	X	X	X
104	4	M-20, 21, 22	B-Residential	1	66	69.7	74.2	X	X	X	X	X	X
105	4	M-20, 21, 22	B-Residential	1	66	68.5	73.2	X	X	X	X	X	X
106	4	M-20, 21, 22	B-Residential	1	66	66.8	71.9	X	X	X	X	X	X
107	5	M-18	B-Residential	1	66	44.8	49.7	53	52.8	52.8	52.8	52.8	53.5
108	5	M-18	B-Residential	1	66	46.5	51.7	54.3	54.4	54.9	54.8	54.9	54.1
109	5	M-18	B-Residential	1	66	57.7	63.1	X	X	**67.9**	**67.8**	**68.3**	**66.3**
110	5	M-18	B-Residential	1	66	67.3	71.8	X	X	X	X	X	X
111	5	M-18	B-Residential	1	66	56	60.8	64.6	64.3	64.5	64.5	64.6	64.2
112	5	M-18	B-Residential	1	66	56.6	61.3	X	X	64.7	64.7	64.8	63.3
113	5	M-18	B-Residential	1	66	51	56.4	X	X	59.3	59.1	59.2	57.9

I-69 Section 5 Predicted Sound Levels													
Receptor	NSA	Represented by NSA Measurement Site(s)	NAC-Land Use	Number of DU's	NAC	Existing Year	Design Year No Build	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Refined Preferred Alt 8
114	5	M-18	B-Residential	1	66	64.6	69.3	X	X	72	72.1	72.2	72.5
115	6	M-17	B-Residential	1	66	67.4	71.9	X	X	X	75.7	74.9	73.1
116	6	M-17	B-Residential	1	66	62.2	67	72	71.1	70.6	70.6	70.1	68.3
117	6	M-17	B-Residential	1	66	55.1	60.3	64.1	63.5	63.3	63.2	63	61.9
118	6	M-17	B-Residential	1	66	52.7	57.5	61	60.9	61	61	60.9	58.3
119	6	M-17	B-Residential	1	66	50	55	57.8	59	58.5	58.6	58.5	56.2
120	6	M-17	B-Residential	1	66	47.3	52.6	54.6	X	56.5	56.7	56.4	53.8
121	6	M-17	B-Residential	1	66	57.1	62.3	66.2	65.7	65.1	65	65.1	65.3
122	6	M-17	B-Residential	1	66	67	71.5	X	X	74.5	74.5	74.3	73.4
123	6	M-17	B-Residential	1	66	70.4	74.9	X	X	X	X	X	X
124	6	M-17	B-Residential	1	66	49.7	54.9	63.2	62.7	62.1	62.5	61.5	58.4
125	6	M-17	B-Residential	1	66	69.3	73.7	X	X	X	X	X	X
126	6	M-17	B-Residential	1	66	58.3	63.6	X	X	X	68.8	X	X
127	6	M-17	B-Residential	1	66	62.7	67.6	X	X	X	X	X	X
128	6	M-17	B-Residential	1	66	63.4	68.2	X	X	71.2	X	71.2	73.1
129	6	M-17	B-Residential	1	66	56.5	61.4	64.6	63.9	64.7	64.9	64.7	64.4
130	6	M-17	C-Place of Worship	1	66	55.1	60.4	X		62.6	62.7	64.3	65.9
131	6	M-17	B-Residential	1	66	44.7	50	52.4	X	52.2	51.3	51.1	50.5
132	6	M-17	B-Residential	1	66	42	47.2	X	X	49.3	48.9	49	47.3
133	6	M-17	B-North Crossover Apartments	4	66	61.3	66.3	X	X	X	69.2	X	X
134	6	M-17	B-Residential	1	66	57.4	62.6	68.2	X	X	65.1	X	X
135	6	M-17	B-Residential	1	66	48	53	55.6	55.9	56.1	55.8	55.8	54.7
136	6	M-17	B-Residential	1	66	43.2	48.4	50.5	50.7	50.6	50.2	50.2	49.9
137	6	M-17	B-Residential	1	66	42.5	45.9	48.1	48.2	48.3	47.9	47.9	47.9
138	6	M-17	B-Residential	1	66	42.5	45.1	47.2	47.3	47.4	47	47	47.1
139	6	M-17	B-Residential	1	66	42.5	43.6	46.1	46	45.9	45.7	45.5	45
140	6	M-17	B-Residential	1	66	42.5	44	46.3	46.3	46.4	46	45.9	45.7
141	6	M-17	B-Residential	1	66	42.5	45.2	X	X	47.5	47.1	47.2	47.1
142	6	M-17	B-Residential	1	66	42.5	44.8	X	X	47.2	46.7	46.8	46.6
143	6	M-17	B-Residential	1	66	53.1	58.2	61.3	60.9	61.1	60.8	60.9	61
144	6	M-17	B-Residential	1	66	59.3	64.3	69.3	68.5	67.4	67.7	67.3	68.5
145	6	M-17	B-Residential	1	66	61.4	66.2	71.3	70.4	69.1	69.9	69.2	71.3
146	6	M-17	B-Residential	1	66	62.2	67	71.8	70.9	69.8	70.8	69.9	70.4
147	6	M-17	B-Residential	1	66	63.5	68.1	72.6	72	71.4	72.1	71.2	72.4
148	6	M-17	B-Residential	1	66	63.9	68.5	72.7	72.2	71.8	72.5	71.6	72.6
149	6	M-17	B-Residential	1	66	60.3	65.3	X	X	X	70.6	X	65.8
150	7	M-14,15,16, 32	B-Residential	1	66	60.4	65.2	X	X	69	71	70	69.8
151	7	M-14,15,16, 32	B-Residential	1	66	59.1	64.4	63.8	64	67.5	65.5	65.3	66.9
152	7	M-14,15,16, 32	B-Residential	1	66	49.9	55.2	60.7	60.4	59.3	60	60.1	58.4
153	7	M-14,15,16, 32	B-Residential	1	66	62.1	66.8	66.5	65.9	70.2	69	66.5	70.9
154	7	M-14,15,16, 32	B-Residential	1	66	58.4	63.4	63.8	63.4	66.4	66.2	63.9	67.4
155	7	M-14,15,16, 32	B-Residential	1	66	56.6	61.7	62.8	62.5	64.9	65	63.1	65.7
156	7	M-14,15,16, 32	B-Residential	1	66	57	62.1	63.4	62.9	65.4	65.2	63.4	65.8
157	7	M-14,15,16, 32	C-Place of Worship	1	66	59.9	64.8	65.1	64.5	68.1	67.8	65.1	70.6
158	7	M-14,15,16, 32	B-Residential	1	66	56.2	61.8	63.1	63.1	64.8	64.3	63.6	63.5
159	7	M-14,15,16, 32	B-Residential	1	66	65.5	70	69.7	68.9	73.5	72.3	69.9	71.8
160	7	M-14,15,16, 32	B-Residential	1	66	58.7	63.9	64.4	64	67.1	66.2	64.5	67.6
161	7	M-14,15,16, 32	B-Residential	1	66	57.9	62.8	63.9	63.4	66.1	65.2	64	65.7
162	7	M-14,15,16, 32	B-Residential	1	66	58.6	63.6	X	X	67.3	X	X	72.2
163	7	M-14,15,16, 32	B-Residential	1	66	68.1	72.6	X	X	X	X	X	X
164	7	M-14,15,16, 32	E-Oliver Winery	1	71	67	71.6	69.2	68.5	74.9	72.5	69.7	70.7
165	7	M-14,15,16, 32	C-Marching Band Practice Facility	1	66	52.4	57.7	63.6	63.3	61.1	62.8	62	60.8
166	7	M-14,15,16, 32	B-Residential	1	66	46.8	51.9	56.9	56.1	55.5	55.4	55.9	54.6

I-69 Section 5 Predicted Sound Levels													
Receptor	NSA	Represented by NSA Measurement Site(s)	NAC-Land Use	Number of DU's	NAC	Existing Year	Design Year No Build	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Refined Preferred Alt 8
167	7	M-14,15,16, 32	C-Place of Worship	1	66	51.5	56.7	61.2	61.1	60.3	61.2	60.7	58.3
168	7	M-14,15,16, 32	C-Cemetery	1	66	56	61.2	**69.4**	**69**	64.3	**66.7**	**66.6**	65
169	7	M-14,15,16, 32	B-Residential	1	66	47.5	52.7	57.7	57.1	56.4	56.7	57.1	55
170	7	M-14,15,16, 32	B-Residential	1	66	52.1	57.2	62.1	61.9	60.7	61.7	60.8	59.4
171	7	M-14,15,16, 32	B-Residential	1	66	53.9	58.9	63.7	63.4	62.2	63.4	62.9	61.7
172	7	M-14,15,16, 32	B-Residential	1	66	47.5	52.6	57	56.7	55.7	56.4	56.1	55.9
173	7	M-14,15,16, 32	B-Residential	1	66	56.1	61.5	63.3	63.2	65.4	64.8	63.8	58.3
174	7	M-14,15,16, 32	B-Residential	1	66	54.9	60	61.4	60.9	63.3	62.8	62.1	60.3
175	7	M-14,15,16, 32	B-Residential	1	66	65.8	70.3	**69.4**	**68.9**	**73.7**	**72.5**	**70.3**	**71.6**
176	7	M-14,15,16, 32	B-Residential	1	66	56.3	61.6	63.5	63.1	64.8	65.6	63.9	65.5
177	7	M-14,15,16, 32	B-Residential	1	66	52.7	57.9	59.4	59	61.1	61.2	60	59.5
178	7	M-14,15,16, 32	B-Residential	1	66	49.5	54.6	58.6	58.4	57.7	58.6	58.2	57.7
179	7	M-14,15,16, 32	B-Residential	1	66	50	55	59.2	59	58.2	59	59.4	57.3
180	7	M-14,15,16, 32	B-Residential	1	66	50.5	55.5	59.8	59.6	58.7	59.5	60	58.1
181	7	M-14,15,16, 32	B-Residential	1	66	50.9	55.9	59.8	59.5	59.2	59.8	59.7	58.2
182	7	M-14,15,16, 32	B-Residential	1	66	50.7	55.8	60.2	59.9	59.4	60	59.9	58.4
183	7	M-14,15,16, 32	B-Residential	1	66	51.1	56.2	60.8	60.5	59.7	60.8	60.4	58.7
184	7	M-14,15,16, 32	B-Residential	1	66	54.4	59.6	**66.2**	65.7	63.6	65.2	64.5	63.8
185	7	M-14,15,16, 32	B-Residential	1	66	55.4	60.7	61.6	61.3	64.2	63.7	62.8	61.4
186	7	M-14,15,16, 32	B-Residential	1	66	52.1	57.4	63.6	63.5	61.4	63.1	62.8	62.3
187	7	M-14,15,16, 32	B-Residential	1	66	51.6	56.8	62.4	62.3	61.5	62.5	62.8	61.4
188	8	M-12, 13	B-Residential	1	66	47.8	52.9	57.2	57.3	58	57.6	59.8	57
189	8	M-12, 13	B-Residential	1	66	57.8	62.8	X	X	X	**69.2**	X	X
190	8	M-12, 13	B-Residential	1	66	56.7	61.9	X	X	X	**69.7**	X	X
191	8	M-12, 13	B-Residential	1	66	52.2	57.4	65.2	65.1	63.1	63.3	65.2	63.8
192	8	M-12, 13	B-Residential	1	66	52.2	55.8	60.4	60	58.3	58.9	63.8	62.1
193	8	M-12, 13	B-Residential	1	66	52.9	57.5	X	62	62	62.1	64.5	62.8
194	8	M-12, 13	B-Residential	1	66	54.8	59.7	X	X	X	X	X	X
195	8	M-12, 13	B-Residential	1	66	52.8	56.1	X	X	58.5	59	62.2	60.7
196	8	M-12, 13	B-Residential	1	66	54.3	57.7	X	X	X	X	X	63.6
197	8	M-12, 13	B-Residential	1	66	56.1	59.7	X	X	X	X	X	X
198	8	M-12, 13	B-Residential	1	66	54.3	58.8	X	X	X	X	X	X
199	8	M-12, 13	B-Residential	1	66	56.5	61.4	X	X	X	X	X	X
200	8	M-12, 13	B-Residential	1	66	61.7	66.6	X	X	X	X	X	X
201	8	M-12, 13	B-Residential	1	66	62.2	64.4	65.8	65.4	X	X	X	**67.5**
202	8	M-12, 13	B-Residential	1	66	61.7	63.7	65.2	64.8	**66.2**	**66.7**	**67**	**66.5**
203	8	M-12, 13	B-Residential	1	66	49.1	50.9	X	X	56.8	57.3	57.7	57.6
204	8	M-12, 13	B-Residential	1	66	54.7	55.8	62.3	60.3	62.2	63.3	**67.3**	**68**
205	8	M-12, 13	B-Residential	1	66	52.8	54.1	61.7	60	58.6	59.6	**66.1**	**66.9**
206	8	M-12, 13	B-Residential	1	66	58.3	59.5	X	X	X	X	X	X
207	8	M-12, 13	B-Residential	1	66	46.7	50.8	55.6	55.1	54.7	54.8	56	56.5
208	8	M-12, 13	B-Residential	1	66	43.3	47.6	52.6	52.5	51.5	51.5	52.4	51.7
209	8	M-12, 13	B-Residential	1	66	42.5	46.8	52.6	51.4	51.2	51.6	52.6	52.4
210	8	M-12, 13	B-Residential	1	66	44	49.8	X	X	54.1	53.4	55.4	55.1
211	8	M-12, 13	B-Residential	1	66	52.6	58.1	X	X	61.4	60.4	63.9	64.3
212	8	M-12, 13	B-Residential	1	66	55.7	61.3	X	X	X	**68.9**	X	**66.5**
213	8	M-12, 13	B-Residential	1	66	55.3	60.6	X	X	64.3	65.3	X	64.6
214	8	M-12, 13	B-Residential	1	66	68.2	73.1	X	X	X	X	X	**72.6**
215	8	M-12, 13	B-Residential	1	66	51.8	57	57.6	57.7	58.8	59.2	58.8	60.2
216	8	M-12, 13	B-Residential	1	66	63	68	**67.2**	**67.8**	**70.9**	**72**	**71.4**	**70.8**
217	8	M-12, 13	B-Residential	1	66	65.5	70.3	X	X	X	X	X	**73.3**
218	8	M-12, 13	B-Residential	1	66	65.6	70.8	**68.9**	**69.5**	X	**73.7**	X	**72.6**
219	8	M-12, 13	B-Residential	1	66	67	71.3	X	X	X	X	X	X
220	8	M-12, 13	B-Residential	1	66	60.2	65.2	X	X	X	**71.6**	X	X
221	8	M-12, 13	B-Residential	1	66	61.5	66.3	X	X	X	X	X	**69.8**
222	8	M-12, 13	B-Residential	1	66	64.6	68.9	X	X	X	X	X	X

I-69 Section 5 Predicted Sound Levels													
Receptor	NSA	Represented by NSA Measurement Site(s)	NAC-Land Use	Number of DU's	NAC	Existing Year	Design Year No Build	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Refined Preferred Alt 8
223	8	M-12, 13	B-Residential	1	66	60.7	65.3	X	X	**69.5**	**71.2**	**70.7**	**70.4**
224	8	M-12, 13	B-Residential	1	66	60.3	64.7	X	X	X	X	X	**70.4**
225	8	M-12, 13	B-Residential	1	66	62.4	68.2	X	X	X	X	X	X
226	8	M-12, 13	B-Residential	1	66	67.1	72.2	X	X	X	X	X	X
227	8	M-12, 13	B-Residential	1	66	67.4	72.5	X	X	X	X	X	X
228	8	M-12, 13	B-Residential	1	66	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
229	8	M-12, 13	B-Residential	1	66	67.2	72.3	X	X	X	**75.6**	X	X
230	8	M-12, 13	B-Residential	1	66	65.6	70.8	X	X	X	**72.7**	X	X
231	8	M-12, 13	B-Residential	1	66	66.1	71.2	X	X	X	**74.7**	X	X
232	8	M-12, 13	B-Residential	1	66	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
233	8	M-12, 13	B-Residential	1	66	68.4	73.6	X	X	X	X	X	X
234	8	M-12, 13	B-Residential	1	66	57	62.8	X	X	63.2	63.3	X	**67.2**
235	8	M-12, 13	B-Residential	1	66	42.5	43.1	42.5	42.5	42.7	43.4	43.1	43.7
236	8	M-12, 13	B-Residential	1	66	65.5	69.5	X	X	X	X	X	X
237	8	M-12, 13	B-Residential	1	66	63.4	67.5	X	X	X	X	X	X
238	8	M-12, 13	B-Residential	1	66	53.5	58.4	59.4	59.8	60.5	61.1	61.1	61.5
239	8	M-12, 13	B-Residential	1	66	52.7	57.7	55.8	55.9	55.5	55.7	55.7	59.4
240	8	M-12, 13	B-Residential	1	66	49.8	54.7	51.5	51.6	50.9	51.2	51.4	57.1
241	8	M-12, 13	B-Residential	1	66	48.4	53.4	50.7	50.8	49.7	50	50	55.1
242	8	M-12, 13	B-Residential	1	66	52.8	58.1	X	X	54.7	55	X	62.1
243	8	M-12, 13	B-Residential	1	66	53.9	59.3	X	X	54.9	55.1	X	X
244	8	M-12, 13	B-Residential	1	66	48.4	53.6	50.7	50.8	49.5	49.7	49.7	55.4
245	8	M-12, 13	B-Residential	1	66	49.6	54.7	53.8	53.9	52	52.2	52.2	57.5
246	8	M-12, 13	B-Residential	1	66	48.3	53.3	51.9	51.9	49.5	49.6	49.6	57.2
247	8	M-12, 13	B-Residential	1	66	50	54.9	55.4	55.9	54.4	54.8	54.7	58.7
248	8	M-12, 13	B-Residential	1	66	48.5	53.3	52.7	53.2	52	52.4	52.4	57.5
249	8	M-12, 13	B-Residential	1	66	49.2	54.1	54.5	55	53.7	54.1	53.7	58.8
250	8	M-12, 13	B-Residential	1	66	49.6	54.6	55.6	56.1	54.4	54.7	54.4	59.2
251	8	M-12, 13	B-Residential	1	66	52.3	57.7	X	X	59.7	60.5	59.6	61.9
252	8	M-12, 13	B-Residential	1	66	61.2	66.6	X	X	X	X	X	**70**
253	8	M-12, 13	B-Residential	1	66	55.7	61.3	65.2	65.8	64.8	65.6	65	64.7
254	8	M-12, 13	B-Residential	1	66	52.2	57.6	X	X	59.8	60.5	59.8	61.5
255	8	M-12, 13	B-Residential	1	66	50.7	55.9	X	X	56.6	57.1	56.5	59.8
256	8	M-12, 13	B-Residential	1	66	46.5	51.5	52.1	52.5	51.8	52	51.6	55.3
257	8	M-12, 13	B-Residential	1	66	47.3	52.1	52.3	52.3	51.8	52.1	51.5	56
258	8	M-12, 13	B-Residential	1	66	46.3	51.4	52.5	52.5	52	52.4	51.6	54.6
259	8	M-12, 13	B-Residential	1	66	48.1	53.2	55.4	55.6	54.4	55.2	54.6	54.3
260	8	M-12, 13	B-Residential	1	66	54.8	60.3	63.4	63.9	64.3	65.2	64.3	60
261	8	M-12, 13	B-Residential	1	66	59.2	64.4	**67.9**	**68.4**	**68.2**	**68.4**	**68.3**	**68.2**
262	8	M-12, 13	B-Residential	1	66	64.2	68.3	X	X	X	**75**	**75.2**	**75.5**
263	9	M-11	B-Residential	1	66	63.6	68.9	X	X	X	X	X	**74.4**
264	9	M-11	B-Residential	1	66	55.5	60.6	X	X	**66.1**	**66.2**	**66.7**	62.7
265	9	M-11	B-Residential	1	66	57.7	63.1	**66.3**	X	X	X	X	X
266	9	M-11	B-Residential	1	66	54.3	59.3	X	X	64.9	65.3	65.9	62.2
267	9	M-11	B-Residential	1	66	67.5	72.5	X	X	X	X	X	**75.3**
268	9	M-11	B-Residential	1	66	42.5	47.7	51.4	53.4	54.1	53.9	54	50.1
269	9	M-11	B-Residential	1	66	43.2	48.9	53.4	54.7	56.1	55.9	55.9	51.4
270	9	M-11	B-Residential	1	66	43.8	49.5	X	55.6	56.9	56.4	56.7	51.8
271	9	M-11	B-Residential	1	66	45.1	50.8	58.1	58.5	59.9	59	59.4	52.8
272	9	M-11	B-Residential	1	66	42.5	47.7	51.1	54.3	55.6	55.6	55.8	51.1
273	9	M-11	B-Residential	1	66	43.5	49.3	53.2	56.1	57.5	57.3	57.7	52.3
274	9	M-11	B-Residential	1	66	44.1	49.9	54.5	57.3	58.5	58	58.3	52.7
275	9	M-11	B-Residential	1	66	46.5	52.2	57.4	60.3	61.4	60.6	61	54.8
276	9	M-11	B-Residential	1	66	47.6	53.5	60.1	60.8	62.3	61.4	61.8	56.3
277	9	M-11	B-Residential	1	66	48.8	54.6	X	X	63.7	62.5	63.1	57.2
278	9	M-11	B-Residential	1	66	52.5	58.3	X	63.3	65.5	65.3	65.7	59.9
279	9	M-11	B-Residential	1	66	57.4	62.8	X	**66.3**	**68**	**67.6**	**67.9**	63.6

I-69 Section 5 Predicted Sound Levels													
Receptor	NSA	Represented by NSA Measurement Site(s)	NAC-Land Use	Number of DU's	NAC	Existing Year	Design Year No Build	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Refined Preferred Alt 8
280	9	M-11	B-Residential	1	66	59.1	64.4	X	67.8	69.1	68.3	68.9	64.8
281	9	M-11	B-Residential	1	66	63.2	68.1	X	69.8	70.8	69.8	70.9	68.2
282	9	M-11	B-Residential	1	66	69.6	74.5	X	X	X	X	X	X
283	9	M-11	B-Residential	1	66	59.6	65.3	X	X	68.5	67.8	67.7	65.3
284	9	M-11	B-Residential	1	66	58.6	64.4	X	X	67.8	66.2	66.3	64.3
285	9	M-11	B-Residential	1	66	51.8	56.7	X	60	59.9	59.8	59.6	58.1
286	9	M-11	B-Residential	1	66	49.3	53.9	57.9	55.7	55.4	55.4	55.3	53.6
287	9	M-11	B-Residential	1	66	50.2	54.4	53.9	53	52.6	52.7	52.9	51.1
288	9	M-11	B-Residential	1	66	43	48.4	52	52.2	52.2	52.1	52.2	50.4
289	9	M-11	B-Residential	1	66	43.2	48.9	53.4	52.1	52.6	52.3	52.4	50.8
290	10	M-9, 10, 28	B-Residential	1	66	42.5	43	X	47.6	49.4	49.2	49.1	46.9
291	10	M-9, 10, 28	B-Residential	1	66	42.5	43.3	47.6	47.3	49	48.7	48.7	46.8
292	10	M-9, 10, 28	B-Residential	1	66	42.5	42.8	47.1	47	48.6	48.2	48.3	46.4
293	10	M-9, 10, 28	B-Residential	1	66	42.5	42.5	46.6	46.6	48.2	48	48	45.9
294	10	M-9, 10, 28	B-Residential	1	66	42.5	42.5	46.7	46.9	48.5	48.1	48.2	46.1
295	10	M-9, 10, 28	B-Residential	1	66	42.5	42.5	46.7	46.9	48.6	48.3	48.3	46.2
296	10	M-9, 10, 28	B-Residential	1	66	42.5	42.5	46.9	47.1	48.8	48.5	48.6	46.3
297	10	M-9, 10, 28	B-Residential	1	66	42.5	42.5	45.6	45.3	46.8	46.6	46.4	44.3
298	10	M-9, 10, 28	C-Place of Worship	1	66	65.2	70	X	73.9	74.1	74	74.4	70.2
299	10	M-9, 10, 28	E-Offices	1	71	54.2	59.6	62.3	61.9	63.1	62.9	63.3	58
300	10	M-9, 10, 28	B-Residential	1	66	58.9	64.1	69.3	68.1	68.7	68.7	69.3	65.7
301	10	M-9, 10, 28	C-Hospital	1	66	53.2	58.8	63.1	63	63.6	63.6	63.8	59.3
302	10	M-9, 10, 28	C-Place of Worship	1	66	61.2	66.2	71.4	70.3	70.8	70.7	71.1	68.7
303	10	M-9, 10, 28	B-Residential	1	66	53.8	59.4	63.8	64	64.5	64.4	64.6	61.4
304	10	M-9, 10, 28	B-Residential	1	66	57.7	63	68.3	67.6	68	67.9	68.3	65.8
305	10	M-9, 10, 28	B-Residential	1	66	53.4	58.9	63.5	63.7	64	63.9	64.2	62.6
306	10	M-9, 10, 28	B-Residential	1	66	48	53.4	57.4	57.9	57.6	57.8	58.2	58.1
307	10	M-9, 10, 28	B-Residential	1	66	50.7	56.2	60.4	61.1	61.1	61.3	61.5	60.1
308	10	M-9, 10, 28	B-Residential	1	66	56	61.5	66.4	67	66.5	66.8	67.1	66
309	10	M-9, 10, 28	B-Residential	1	66	56.4	61.8	66.7	67.8	67	67.4	67.8	67.3
310	10	M-9, 10, 28	C-Place of worship	1	66	58.7	64	69.3	69.6	68.8	69.5	69.8	69.1
311	10	M-9, 10, 28	NAC C- School tennis court	1	66	52.2	57.6	62.1	62.8	61.5	61.7	61.9	60.5
312	10	M-9, 10, 28	B-Residential	1	66	62.5	67.6	X	X	X	75.1	75.4	73.2
313	10	M-9, 10, 28	B-Residential	1	66	53.3	58.7	63.5	63.5	62.6	62.5	62.4	60.7
314	10	M-9, 10, 28	B-Residential	1	66	53.4	58.8	62.8	63.9	62.6	62.9	62.7	63.3
315	10	M-9, 10, 28	B-Residential	1	66	53.1	58.7	62.7	63.7	62.9	63	63	64
316	10	M-9, 10, 28	C-Place of Worship	1	66	54.1	59.6	63.7	64.7	63.8	64	64.1	64.8
317	10	M-9, 10, 28	B-Residential	1	66	54.7	60.2	64.2	65.2	64.5	64.7	64.8	64
318	10	M-9, 10, 28	B-Residential	1	66	42.5	46.7	49.1	49.9	49.5	49.8	49.7	49.1
319	10	M-9, 10, 28	B-Residential	1	66	44.6	50	51.6	52.7	52.9	53.1	53.1	52.2
320	10	M-9, 10, 28	B-Residential	1	66	47.3	52.8	56	57.2	58.4	58.8	59.1	56.7
321	10	M-9, 10, 28	B-Residential	1	66	47.9	53.3	56.6	57.6	58.8	59	59.4	57.1
322	10	M-9, 10, 28	B-Residential	1	66	51.2	56.8	60.2	61.5	62.6	63	63.3	60.7
323	10	M-9, 10, 28	B-Residential	1	66	49.5	55	58.3	58.9	60.4	60.5	60.9	58.7
324	10	M-9, 10, 28	B-Residential	1	66	42.5	47.8	50.1	52	51	51.2	51	52.8
325	10	M-9, 10, 28	B-Residential	1	66	42.5	47.4	50	51.4	50.6	50.8	50.8	51.7
326	10	M-9, 10, 28	B-Residential	1	66	46.3	51.8	52.7	54.4	54.8	54.9	54.8	55.4
327	10	M-9, 10, 28	B-Residential	1	66	49	54.3	X	X	58.8	58.6	59	58.6
328	10	M-9, 10, 28	E-Restaurant	1	71	56.2	61.7	65.9	67.2	67.5	67.6	67.8	67.3
329	10	M-9, 10, 28	E-Office (Vacant)	1	71	53	58.6	X	X	64.8	65.2	65.4	63.9
330	10	M-9, 10, 28	E-Office (Vacant)	1	71	60.6	65.7	X	X	70.9	70.8	70.8	69.2

I-69 Section 5 Predicted Sound Levels													
Receptor	NSA	Represented by NSA Measurement Site(s)	NAC-Land Use	Number of DU's	NAC	Existing Year	Design Year No Build	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Refined Preferred Alt 8
331	10	M-9, 10, 28	E-Office (Vacant)	1	71	65.2	70.1	X	X	X	X	X	70.7
332	10	M-9, 10, 28	E-Office (Vacant)	1	71	64.9	69.7	X	X	**73.4**	**73**	**72.9**	68.7
333	10	M-9, 10, 28	B-Residential	1	66	53	58.5	61.5	64.3	63	63.3	63.4	62.4
334	10	M-9, 10, 28	B-Residential	1	66	56.9	62.1	X	X	X	X	X	X
335	10	M-9, 10, 28	B-Residential	1	66	49.2	54.5	X	X	58	58.5	58.3	62.2
336	10	M-9, 10, 28	B-Residential	1	66	47.1	52.1	X	X	55.9	56.2	56.2	61.4
337	10	M-9, 10, 28	B-Residential	1	66	47.2	51.7	53.9	55.2	55.3	55.5	55.6	58.8
338	10	M-9, 10, 28	B-Residential	1	66	49.6	52.9	57.2	X	59.1	59	59	62.3
339	10	M-9, 10, 28	B-Residential	1	66	49.7	53.1	X	X	59.3	59.1	59.1	63.2
340	10	M-9, 10, 28	B-Residential	1	66	49	52.3	57	X	58.8	58.6	58.6	62.8
341	10	M-9, 10, 28	B-Residential	1	66	55.4	58.4	62.2	62.9	62.7	62.5	62.4	60.2
342	10	M-9, 10, 28	E-Office	1	71	58.7	61.4	65.2	65.7	65.7	65.5	65.5	63.4
343	10	M-9, 10, 28	B-Residential	1	66	50.3	53	56.7	56.7	58.7	58.6	58.6	62.2
344	10	M-9, 10, 28	B-Residential	1	66	50.7	53.4	57.1	56.9	59.5	59.5	59.5	61.2
345	10	M-9, 10, 28	B-Residential	1	66	52.9	55.6	58.5	59.2	61.5	61.5	61.5	62.3
346	10	M-9, 10, 28	B-Residential	1	66	57.1	59.5	62.7	63.5	65.5	65.4	65.4	65.1
347	10	M-9, 10, 28	B-Residential	1	66	60.4	63	**67.7**	**67.8**	**68.1**	**67.9**	**67.9**	**66.4**
348	10	M-9, 10, 28	B-Residential	1	66	61.5	64	**68.6**	**68.8**	**69.4**	**69.2**	**69.2**	**68.7**
349	10	M-9, 10, 28	B-Residential	1	66	58.8	61.2	65.2	65.6	**67.4**	**67.4**	**67.4**	65.7
350	10	M-9, 10, 28	B-Residential	1	66	60.3	62.8	**67.5**	**67.5**	**68.9**	**68.8**	**68.8**	**66.9**
351	10	M-9, 10, 28	B-Residential	1	66	64.1	66.5	**71.8**	**71.5**	**71.8**	**71.7**	**71.7**	**70.4**
352	11	M-7, 8	B-Residential	1	66	63.1	65.5	**70.3**	**70.1**	**70.3**	**70.2**	**70.2**	**68.2**
353	11	M-7, 8	B-Residential	1	66	59.6	62.1	X	X	X	X	X	64.8
354	11	M-7, 8	B-Residential	1	66	60.3	62.8	**67.3**	**67.1**	**67.8**	**67.7**	**67.7**	65.8
355	11	M-7, 8	B-Residential	1	66	56	58.5	63.1	62.9	65.7	65.5	65.5	62.8
356	11	M-7, 8	B-Residential	1	66	53.6	56	61.3	61.1	64.4	64.1	64.1	61.2
357	11	M-7, 8	B-Residential	1	66	53	55.3	59.7	59.6	61.3	61.2	61.2	58.7
358	11	M-7, 8	B-Residential	1	66	54.5	56.8	61.2	61.2	62.2	62.1	62.1	59.8
359	11	M-7, 8	B-Residential	1	66	57.6	60	64.7	64.7	65.1	65	65	62.8
360	11	M-7, 8	B-Residential	1	66	61.3	63.6	**68.3**	**68.4**	**68.7**	**68.6**	**68.6**	**66.6**
361	11	M-7, 8	B-Residential	1	66	62	64.2	**68.8**	**69**	**69.3**	**69.2**	**69.3**	**67.3**
362	11	M-7, 8	B-Residential	1	66	62.1	64.1	**68.8**	**68.9**	**69**	**68.9**	**69**	**67.8**
363	11	M-7, 8	B-Residential	1	66	64.1	65.6	**70.5**	**70.8**	**70.8**	**70.8**	**70.8**	**69.6**
364	11	M-7, 8	B-Residential	1	66	49.7	52.7	57	57.1	54.4	54.9	54.4	53.7
365	11	M-7, 8	B-Residential	1	66	50.2	53.3	X	X	55.2	55.5	55.3	54.2
366	11	M-7, 8	B-Residential	1	66	51.3	54.2	X	X	55.6	55.8	55.7	55
367	11	M-7, 8	B-Residential	1	66	61.8	63.4	X	X	56.7	X	X	X
368	11	M-7, 8	B-Residential	1	66	59.2	61	X	X	56.9	X	X	X
369	11	M-7, 8	B-Residential	1	66	64.9	66.4	X	X	56.7	X	X	X
370	11	M-7, 8	B-Residential	1	66	61.3	62.9	X	X	57	X	X	X
371	11	M-7, 8	B-Residential	1	66	62.3	64	X	62.9	X	X	X	60.7
372	11	M-7, 8	B-Residential	1	66	61.6	63.5	X	X	X	X	X	60.2
373	11	M-7, 8	B-Residential	1	66	63.2	64.9	X	X	X	X	X	X
374	11	M-7, 8	B-Residential	1	66	63.1	65	X	X	X	X	X	X
375	11	M-7, 8	B-Residential	1	66	65.7	67.4	X	X	X	X	X	X
376	11	M-7, 8	B-Residential	1	66	62.5	64.8	X	X	X	X	X	X
377	11	M-7, 8	B-Residential	1	66	42.5	42.5	48	48.1	47.4	47.2	47.3	45.4
378	11	M-7, 8	B-Residential	1	66	42.5	42.5	48.5	48.7	47.4	47.3	47.4	45.6
379	11	M-7, 8	B-Residential	1	66	42.5	45.1	51.2	51.5	49.9	49.8	50	48.3
380	11	M-7, 8	B-Residential	1	66	42.5	44.3	52.2	52.3	49.1	49.1	49.2	47.9
381	11	M-7, 8	B-Residential	1	66	42.5	42.5	48.7	49	46.1	46	46	44.6
382	11	M-7, 8	B-Residential	1	66	42.5	42.5	50.2	50.6	46.6	46.7	46.7	45.1
383	11	M-7, 8	B-Residential	1	66	42.5	42.5	55.1	55.2	47.6	47.6	47.6	45.9
384	11	M-7, 8	B-Residential	1	66	42.5	43.7	X	X	48.9	48.7	48.8	47.3
385	11	M-7, 8	B-Residential	1	66	42.5	42.5	53.9	54.4	46.8	46.8	46.8	46

I-69 Section 5 Predicted Sound Levels													
Receptor	NSA	Represented by NSA Measurement Site(s)	NAC-Land Use	Number of DU's	NAC	Existing Year	Design Year No Build	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Refined Preferred Alt 8
386	11	M-7, 8	B-Arlington Park Apartments	16	66	43.7	46.4	53.2	53.5	51.3	51.3	51.2	49.8
387	11	M-7, 8	B-Arlington Park Apartments	16	66	45	47.5	51.8	52.2	51.9	52.1	52.1	50.3
388	11	M-7, 8	B-Arlington Park Apartments	16	66	45.3	47.9	53	53.2	52.6	52.6	52.6	50.8
389	11	M-7, 8	E- Arlington Park apartments office	1	71	44.6	47.3	54.8	55	52.4	52.3	52.1	50.5
390	11	M-7, 8	C-Arlington Park apartment pool	1	66	45.1	47.8	53.6	53.9	52.5	52.5	52.4	50.5
391	11	M-7, 8	B-Arlington Park Apartments	16	66	43.5	46.4	51.5	51.4	51.5	51.4	51.5	50.8
392	11	M-7, 8	B-Arlington Park Apartments	16	66	45.3	48.1	53.4	53.8	52	51.9	51.8	50.8
393	11	M-7, 8	B-Arlington Park Apartments	16	66	45.8	48.4	52.5	52.9	52.4	52.3	52.3	49.9
394	11	M-7, 8	B-Arlington Park Apartments	16	66	47.2	49.6	53.8	54.1	54.1	54.2	54.2	51.6
395	11	M-7, 8	B-Residential	1	66	42.5	45.5	X	X	53.5	52.6	52.7	51
396	11	M-7, 8	B-Residential	1	66	42.5	45.2	X	X	52.3	51.9	51.2	51.2
397	11	M-7, 8	B-Residential	1	66	42.5	45	51.5	50.3	51.5	50.3	50.8	51.2
398	11	M-7, 8	B-Residential	1	66	42.5	43.1	55.9	56.9	48.5	48.4	48.1	49.3
399	11	M-7, 8	B-Residential	2	66	42.5	42.5	54.3	55.5	47.2	47.4	46.8	48.5
400	11	M-7, 8	B-Residential	1	66	43.2	46.7	X	X	X	54	53.6	54.5
401	11	M-7, 8	B-Residential	1	66	44	47.4	X	X	54.4	54.2	54.1	55
402	11	M-7, 8	B-Residential	1	66	44	47.3	54.3	54.2	54.3	54.2	53.9	54.4
403	11	M-7, 8	B-Residential	1	66	44	47.2	53.5	53.6	53.5	53.6	53.1	53.4
404	11	M-7, 8	B-Residential	1	66	43.2	46.3	53.5	53.6	53.5	53.6	53.3	53.4
405	11	M-7, 8	B-Residential	1	66	42.4	45.6	52.3	52.3	52.3	52.3	51.7	52.3
406	11	M-7, 8	B-Residential	2	66	44.9	48.5	X	X	X	56.3	55.7	53.3
407	11	M-7, 8	B-Residential	1	66	47.5	51	X	X	X	61.6	61.3	61.9
408	11	M-7, 8	B-Residential	2	66	46.9	49.8	X	X	X	57.5	57.5	61.6
409	11	M-7, 8	B-Residential	1	66	45.8	48.5	X	X	X	56	55.8	59.5
410	11	M-7, 8	B-Residential	1	66	45.2	48	X	X	55	54.9	54.8	58.9
411	11	M-7, 8	B-Residential	1	66	44.7	47.6	X	X	54.5	54.5	54.3	58.7
412	11	M-7, 8	B-Residential	1	66	44.8	47.7	X	X	54.2	54.1	54	58.4
413	11	M-7, 8	B-Residential	1	66	44.6	47.5	X	X	53.3	53.2	53.2	58.5
414	11	M-7, 8	B-Residential	1	66	44.5	47.6	X	X	53	53	52.8	58.6
415	11	M-7, 8	B-Residential	1	66	42.5	43.7	52.5	52.5	49.9	49.8	49.8	52.1
416	11	M-7, 8	B-Residential	1	66	42.5	44	52.8	52.8	49.9	49.8	49.7	51.2
417	11	M-7, 8	B-Residential	1	66	42.5	44.8	53.6	53.6	50.6	50.5	50.3	50.9
418	11	M-7, 8	B-Residential	1	66	42.5	45.7	54.4	54.4	51.3	51.2	50.9	50.6
419	11	M-7, 8	B-Residential	1	66	43.3	46.7	55.3	55.3	52	52.1	51.7	50.7
420	11	M-7, 8	B-Residential	1	66	42.5	45.2	54.8	54.8	50.8	50.9	50.5	49.4
421	11	M-7, 8	B-Residential	1	66	40.2	43.5	54	54	49.4	49.3	48.7	48.3
422	11	M-7, 8	B-Residential	1	66	42.5	42.5	50.9	53	46.1	46.3	45.9	45.6
423	11	M-7, 8	B-Residential	1	66	42.5	42.5	50.5	53	45.7	46	45.5	45.4
424	11	M-7, 8	B-Residential	2	66	42.5	43	50.6	53.7	46.8	47	46.7	46.4
425	11	M-7, 8	B-Residential	1	66	42.5	43	50.9	54.4	48	47.8	47.7	47
426	11	M-7, 8	B-Residential	1	66	42.5	43.7	51.1	54.8	48.2	48.2	48.1	47.8
427	11	M-7, 8	B-Residential	1	66	42.5	45.5	51.7	55.2	49.6	49.5	49.4	49.3
428	11	M-7, 8	B-Residential	1	66	42.5	43.1	50.6	53.7	48.5	48.4	48.4	50.4
429	11	M-7, 8	B-Residential	2	66	42.5	44.7	50.9	51.5	49.7	49.5	49.4	56.6
430	11	M-7, 8	B-Residential	2	66	42.5	42.7	49.7	50.2	48.5	48.3	48.2	55.3
431	11	M-7, 8	B-Residential	1	66	50.9	54.2	54.7	55	54.7	55.4	54.8	54.6
432	11	M-7, 8	B-Residential	1	66	51.4	54.7	55.4	55.8	55.8	56.5	55.9	55.2
433	11	M-7, 8	B-Residential	1	66	51.2	54.5	55.6	56.1	56.3	56.8	56.2	55.2

I-69 Section 5 Predicted Sound Levels													
Receptor	NSA	Represented by NSA Measurement Site(s)	NAC-Land Use	Number of DU's	NAC	Existing Year	Design Year No Build	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Refined Preferred Alt 8
434	11	M-7, 8	B-Residential	1	66	52.8	56.2	57.8	58.4	58.7	59.2	58.8	56.8
435	11	M-7, 8	B-Residential	1	66	52.6	56	58.6	59.1	59.2	59.7	59.3	57.2
436	11	M-7, 8	B-Residential	1	66	52.7	56.1	59.6	60.1	60	60.4	60	57.8
437	11	M-7, 8	B-Residential	1	66	53.3	56.8	61.4	61.8	61.4	61.7	61.5	58.6
438	11	M-7, 8	B-Residential	1	66	53.1	56.6	X	X	62.1	62.4	62.2	59
439	11	M-7, 8	B-Residential	1	66	54.8	58.4	X	X	64.7	64.9	65.1	60.5
440	11	M-7, 8	B-Residential	1	66	57.3	60.7	X	X	X	X	X	65.6
441	11	M-7, 8	B-Residential	1	66	51.9	55.5	X	X	X	X	X	X
442	11	M-7, 8	B-Residential	1	66	55.4	59.1	X	X	X	X	X	X
443	11	M-7, 8	B-Residential	1	66	53.5	57	X	X	X	64.8	64.8	61.6
444	11	M-7, 8	B-Residential	1	66	62.5	65.9	**70.4**	**70.8**	**69.6**	**69.9**	**69.3**	**67.5**
445	11	M-7, 8	B-Residential	1	66	61	64.3	**68.7**	**69**	**68**	**68.3**	**67.8**	62.6
446	11	M-7, 8	B-Residential	1	66	57.7	61	63	63.5	63.5	64	63.5	59.7
447	11	M-7, 8	B-Residential	1	66	53.5	55.6	53.4	53.8	53.5	54	53.6	52.1
448	11	M-7, 8	B-Residential	1	66	60.6	62.2	56.6	56.9	56.6	57.6	56.8	55.8
449	11	M-7, 8	B-Residential	1	66	63.2	64.7	57.7	58.1	58.3	59.4	58.6	57.4
450	11	M-7, 8	B-Residential	1	66	64.6	66.1	59	59.5	60.2	61.1	60.4	58.7
451	11	M-7, 8	B-Residential	1	66	65.5	67.3	63.3	63.9	64.6	65.4	64.4	63.1
452	11	M-7, 8	B-Residential	1	66	65.7	68.7	**70.2**	**70.7**	**70.2**	**71.4**	**69.7**	**69.6**
453	11	M-7, 8	E-Office	1	71	65.7	68.4	**71.3**	**71.9**	70.8	**72.1**	70.9	68.8
454	11	M-7, 8	E-Office	1	71	64.6	67.6	**71.6**	**71.9**	**72.2**	**72.9**	**71.9**	70.8
455	12	M-7	B-Residential	1	66	53.5	58.3	63.4	63.6	60.3	60.8	60.3	60.9
456	12	M-7	B-Residential	1	66	53.5	57.7	62.7	63	59.7	60.1	59.8	60.3
457	12	M-7	B-Residential	1	66	53.3	57.5	62.4	62.7	59.5	59.9	59.4	60.1
458	12	M-7	B-Residential	1	66	52.6	56.8	61.7	62	58.9	59.3	59	59.7
459	12	M-7	B-Residential	1	66	53.7	57.8	62.5	62.8	59.5	60.1	59.5	60.5
460	12	M-7	B-Residential	1	66	53.1	57.2	61.8	62.1	59.1	59.5	59	60.1
461	12	M-7	B-Residential	1	66	54.1	58.2	62.5	62.8	59.8	60.2	59.6	60.7
462	12	M-7	B-Residential	1	66	55	59.2	63.3	63.5	60.4	61	60.1	61.2
463	12	M-7	B-Residential	1	66	48.4	52.7	54.5	54.8	55.1	55.1	54.9	53.6
464	12	M-7	B-Residential	1	66	48.4	52.9	54.5	54.6	55	55	54.4	54.5
465	12	M-7	B-Residential	1	66	56	60.3	63.9	64.1	61.8	61.5	61	61.9
466	12	M-7	B-Residential	1	66	50.9	55.5	57.1	57.1	57.9	58	57.2	57.2
467	12	M-7	B-Residential	1	66	58.2	62.8	65.9	**66.2**	64.3	64.2	63.8	64.7
468	12	M-7	B-Residential	1	66	55	59.1	61.6	61.5	61.4	61.6	60.8	59.6
469	12	M-7	B-Residential	1	66	60.2	64.7	X	X	**66.2**	**66.2**	65.6	**66**
470	12	M-7	B-Residential	1	66	60.5	65	X	X	**66.4**	**66.4**	65.8	**66.2**
471	12	M-7	B-Residential	1	66	63.9	68.2	X	X	**69.3**	**69.3**	**68.6**	**69.1**
472	12	M-7	B-Residential	1	66	67.4	71.1	**74.9**	**75.2**	**74.1**	**74.3**	**73.1**	**72.8**
473	12	M-7	B-Residential	1	66	62.8	66.8	**69.8**	**70.7**	**68.8**	**68.9**	**68**	**68.1**
474	12	M-7	B-Residential	1	66	58.7	63	65.8	**66.1**	64.9	64.8	64.2	65.2
475	12	M-7	B-Residential	1	66	66.6	70.4	**74**	**74.5**	**73.4**	**73.8**	**72.8**	**71.2**
476	12	M-7	B-Residential	1	66	64.7	68.6	**71.7**	**72.6**	**71.7**	**72.1**	**71.2**	**69.1**
477	12	M-7	B-Residential	1	66	63.6	67.5	**70.1**	**71.2**	**70.3**	**70.9**	**69.8**	**67.3**
478	12	M-7	B-Residential	1	66	62.4	66.4	**68.8**	**69.9**	**68.9**	**69.5**	**68.6**	**66.1**
479	12	M-7	B-Residential	1	66	60.9	64.8	**66.9**	**68.1**	**67.1**	**67.4**	**66.5**	65
480	12	M-7	B-Residential	1	66	59.4	63.5	**66.1**	**67**	65.8	**66**	65.5	64.1
481	12	M-7	B-Residential	1	66	58.2	62.4	65.2	65.6	64.5	64.7	63.9	63.1
482	12	M-7	B-Residential	1	66	54	58.4	60.9	61.1	61	60.6	60.2	59.7
483	12	M-7	B-Residential	1	66	52.4	56.8	59.8	59.8	59.1	59	58.4	58.6
484	12	M-7	B-Residential	1	66	51.9	56.2	58.8	58.9	58.4	58.3	58.1	58.1
485	12	M-7	B-Residential	1	66	51.3	55.6	58.4	58.6	57.8	57.9	57.4	57.8
486	12	M-7	B-Residential	1	66	56.4	60.5	62.8	63.8	63	63.2	62.7	61.1
487	12	M-7	B-Residential	1	66	51.4	55.7	58.1	58.8	58.4	58.3	57.7	58
488	12	M-7	B-Residential	1	66	50	54.4	57.5	57.8	57.7	57.3	56.9	57.2
489	12	M-7	B-Residential	1	66	56.1	60.1	62.5	63.3	62.7	63	62.3	60.4
490	12	M-7	B-Residential	1	66	55.7	59.5	61.7	62.4	61.6	62.2	61.3	59.5

I-69 Section 5 Predicted Sound Levels													
Receptor	NSA	Represented by NSA Measurement Site(s)	NAC-Land Use	Number of DU's	NAC	Existing Year	Design Year No Build	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Refined Preferred Alt 8
491	12	M-7	E-Office	1	71	64.6	68.3	X	X	**71.1**	**71.7**	70.9	70.8
492	12	M-7	E-Restaurant	1	71	63.2	66.9	69.4	70.2	68.5	69.3	68.3	70.3
493	12	M-7	E-Hotel	1	71	59	62.7	65	65.7	64.8	65.5	64.9	63
494	12	M-7	E-Restaurant	1	71	63.4	67.1	69.1	69.6	67.9	68.2	67.8	66.5
495	12	M-7	E-Restaurant	1	71	61.2	64.9	66.7	67.3	66.5	66.6	66.3	66.2
496	12	M-7	E-Hotel	1	71	57.3	60.6	63.3	64	62.8	63	62.7	60.5
497	12	M-7	E-Hotel	1	71	57.1	60.1	62.7	63.2	63	63.1	63.1	60.4
498	12	M-7	E-Hotel	1	71	61.8	65	X	X	68.3	68.3	68.4	66.5
499	12	M-7	E-Restaurant	1	71	58.2	60.6	63.7	64.2	64.1	64.1	64.1	60.9
500	12	M-7	E-Restaurant	1	71	62.4	63.9	X	X	68.1	68.2	68.1	X
501	12	M-7	E-Restaurant	1	71	60.1	61.8	65.6	66	65.7	65.7	65.3	61.8
502	12	M-7	B-Residential	2	66	56.4	59	62.4	62.6	61.9	62.1	61.7	58.2
503	12	M-7	B-Residential	2	66	57.9	60.2	64.3	64.5	63.6	63.8	63.7	59.6
504	12	M-7	B-Residential	2	66	58.5	60.6	65.2	65.5	64.3	64.5	64.8	60
505	12	M-7	B-Residential	2	66	57	59.3	63.3	64.2	61.7	61.8	62.6	58.5
506	12	M-7	B-Residential	2	66	58	60	65	65.5	64	64.2	63.5	59.2
507	12	M-7	B-Residential	1	66	59.2	60.9	64.6	65.9	64.4	64.5	64.5	60.3
508	12	M-7	B-Residential	1	66	56.7	58.7	63.3	63.9	62.2	62.4	61.8	57.8
509	12	M-7	B-Residential	1	66	57.1	59.1	63.7	64.3	62.6	62.8	62	57.9
510	12	M-7	B-Residential	1	66	57.6	59.4	64.4	64.9	63.3	63.4	62.2	58.2
511	12	M-7	B-Residential	1	66	58.2	59.9	65	65.5	64.1	64.2	62.7	58.6
512	12	M-7	B-Residential	1	66	57.3	59.1	64.2	64.7	63	63.2	61.8	57.8
513	12	M-7	B-Residential	1	66	59.4	61	65.9	**66.5**	65.5	65.6	64.3	60
514	12	M-7	B-Residential	1	66	59.3	60.9	**66**	**66.5**	65.2	65.4	64.1	59.8
515	12	M-7	B-Residential	1	66	58.8	60.3	65.5	**66**	64.7	64.8	63.7	59.3
516	12	M-7	E-Restaurant	1	71	65.6	66.9	60.2	60.8	70.7	70.8	70.8	65.9
517	12	M-7	E-Office	1	71	65.2	66.5	64.2	X	64.1	X	X	69
518	12	M-7	E-Restaurant (Vacant)	1	71	61.6	65.5	X	X	X	X	X	**73.2**
519	12	M-7	E-Restaurant	1	71	66.1	69.6	**71.2**	**72.2**	**71.9**	**72.4**	**73**	**73.2**
520	12	M-7	E-Bank	1	71	66.4	69.9	**71.6**	**72.5**	**72.3**	**72.8**	**73.3**	**72.2**
521	12	M-7	E-Restaurant	1	71	66.1	69.5	**71.5**	**72.6**	**72.3**	**72.7**	**73.2**	**73.7**
522	12	M-7	E-Office	1	71	68.1	71.3	**73.9**	X	**74.4**	**74.7**	**75.3**	70.6
523	12	M-7	E-Restaurant	1	71	61.2	64.9	67.7	68.9	68.8	69.5	69.8	69
524	12	M-7	E-Restaurant	1	71	61.5	63.2	67.7	68.2	69.8	69.8	69.9	66.6
525	12	M-7	E-Restaurant	1	71	61.3	63	68.5	68.9	68.3	68.3	68.4	64.5
526	12	M-7	E-Restaurant	1	71	61.1	62.6	X	X	67.2	67.3	67.3	63.2
527	12	M-7	E-Bank	1	71	49.6	52	55.7	56.2	56.3	56.3	56.4	53
528	12	M-7	E-Office	1	71	51.6	53.8	57.8	58.3	58	58	58.1	54.5
529	12	M-7	E-Office	1	71	54	56	X	X	59.7	59.8	59.8	56.2
530	12	M-7	E-Restaurant	1	71	57.8	59.5	X	64.3	62.9	63	63	59.2
531	12	M-7	E-Restaurant	1	71	63.7	65	X	X	68.5	68.6	68.6	64.6
532	12	M-7	E-Restaurant	1	71	63.7	65.1	X	X	68.7	68.9	68.9	65
533	12	M-7	E-Restaurant	1	71	62.5	64	X	68.8	68	68.5	68.5	64.9
534	13	M-5, 6	E-Hotel	1	71	59	63	67.8	68.5	68.4	69.1	69.1	65.2
535	13	M-5, 6	E-Office	1	71	54	57.2	60	60.4	62.3	61.6	61.6	61.2
536	13	M-5, 6	E-Office	1	71	58	59.7	X	X	64.3	63.8	63.8	63.5
537	13	M-5, 6	E-Restaurant	1	71	62.2	63.6	X	X	68.3	67.8	68	65.9
538	13	M-5, 6	E-Bank	1	71	63.7	64.9	X	X	70.3	70	70.5	66.9
539	13	M-5, 6	E-Movie theater	1	71	59.7	63.3	66.5	67.3	64.7	66	65.9	63
540	13	M-5, 6	B-Residential	1	66	62.3	63.6	**67.4**	**70**	**67**	**69.4**	**69.4**	64.7
541	13	M-5, 6	B-Residential	1	66	59.9	61.4	65.7	**67.1**	64.9	64.1	64.1	59.8
542	13	M-5, 6	B-Residential	1	66	60.8	62.2	**66.1**	**67.2**	65.7	**66.1**	**66.2**	62.4
543	13	M-5, 6	B-Residential	1	66	58.3	60	64	65.4	63.3	63.7	63.7	60.9
544	13	M-5, 6	B-Residential	1	66	57.1	59	63	63.6	62	62.6	62.5	60.3
545	13	M-5, 6	B-Residential	1	66	56.4	58.6	62.6	63.1	61.4	62.3	62.1	60.1
546	13	M-5, 6	B-Residential	1	66	55.7	58.1	62.1	62.7	61.2	62.2	62	59.7

I-69 Section 5 Predicted Sound Levels													
Receptor	NSA	Represented by NSA Measurement Site(s)	NAC-Land Use	Number of DU's	NAC	Existing Year	Design Year No Build	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Refined Preferred Alt 8
547	13	M-5, 6	B-Residential	1	66	55.6	58.2	61.9	62.5	61	62.1	61.9	59.8
548	13	M-5, 6	B-Residential	1	66	55.8	58.7	62.3	62.8	61.7	62.9	62.6	60.4
549	13	M-5, 6	B-Residential	1	66	54.7	57.6	61.2	61.7	60.1	61.3	61.2	59.4
550	13	M-5, 6	B-Residential	1	66	53.7	56.5	60.2	60.9	59.1	60	60.1	58.3
551	13	M-5, 6	B-Residential	1	66	52.2	54.5	57.9	58.8	57.4	58.1	58.2	54.9
552	13	M-5, 6	B-Residential	1	66	52.8	55	58.6	59.6	58.2	58.8	58.8	55.6
553	13	M-5, 6	B-Residential	1	66	52.6	54.8	58.2	59.2	57.8	58.7	58.6	55.1
554	13	M-5, 6	B-Residential	1	66	53.6	55.8	59.7	60.9	58.9	59.4	59.3	56.2
555	13	M-5, 6	B-Residential	1	66	54.9	56.9	61.6	63.7	60.4	60.7	60.6	57.4
556	13	M-5, 6	B-Residential	1	66	56.8	58.5	63.4	65.7	62.2	62.5	62.4	58.7
557	13	M-5, 6	B-Residential	1	66	58	59.6	64.5	**66.3**	63.1	63	62.9	59.1
558	13	M-5, 6	B-Residential	1	66	57	58.6	62.8	62.4	62.3	62.1	62	58.3
559	13	M-5, 6	B-Residential	1	66	55.3	57.2	61.2	62.2	60.6	60.9	60.9	57.5
560	13	M-5, 6	B-Residential	1	66	53.6	55.7	59.4	60.2	58.9	59.4	59.4	56
561	13	M-5, 6	E-Office, Village at Muller Park	1	71	49.4	51.8	56.6	57	55.2	55.4	55.4	52.5
562	13	M-5, 6	B-Village at Muller Park Apartments	32	66	48.8	50.9	54.6	55.5	54	54.2	54.3	52.2
563	13	M-5, 6	B-Village at Muller Park Apartments	48	66	50	52.4	56.5	57.1	55.2	55.7	55.7	53.9
564	13	M-5, 6	B-Village at Muller Park Apartments	36	66	44.5	47	50.5	51.3	49.8	49.9	49.8	46.8
565	13	M-5, 6	B-Village at Muller Park Apartments	6	66	46.7	49	52.7	53.5	52.2	52.5	52.4	49.6
566	13	M-5, 6	B-Village at Muller Park Apartments	24	66	48.9	51.5	54.8	55.4	54.1	54.2	54.2	51.5
567	13	M-5, 6	B-Village at Muller Park Apartments	24	66	47.5	50.1	53.8	54.4	53.3	53.5	53.3	50.9
568	13	M-5, 6	B-Village at Muller Park Apartments	24	66	45.6	48.3	51.7	52.4	51.5	51.5	51.6	49.1
569	13	M-5, 6	B-Village at Muller Park Apartments	24	66	44.7	47.3	50.5	51	50.3	50.3	50.2	47.5
570	13	M-5, 6	B-Village at Muller Park Apartments	24	66	44.2	47.1	50.2	50.8	50.5	50.5	50.5	48
571	13	M-5, 6	B-Village at Muller Park Apartments	24	66	44.7	47.6	50.8	51.2	51.2	51.2	51.2	48.6
572	13	M-5, 6	B-Cantebury Townhomes	12	66	42.5	45.4	48	48.5	49.3	49.2	49.1	46.6
573	13	M-5, 6	B-Cantebury Townhomes	12	66	43.1	46.3	49.2	49.7	49.9	49.9	49.9	47.2
574	13	M-5, 6	B-Cantebury Townhomes	8	66	42.5	43.6	47.1	47.9	47.2	47	47	44
575	13	M-5, 6	B-Cantebury Townhomes	12	66	46	50	52.1	52.9	53.3	53.8	53.8	51.1
576	13	M-5, 6	B-Cantebury Townhomes	8	66	44.5	48.2	50	50.7	51.3	51.8	51.8	48.4
577	13	M-5, 6	B-Cantebury Townhomes	16	66	44	47.3	49.2	49.9	50.3	50.5	50.6	47.4
578	13	M-5, 6	B-Cantebury Townhomes	8	66	45.4	48.4	51.4	52	52	52.3	52.3	48.8
579	13	M-5, 6	B-Cantebury Townhomes	12	66	46.8	49.8	52.2	52.9	52.8	53.1	53.1	49.9

I-69 Section 5 Predicted Sound Levels													
Receptor	NSA	Represented by NSA Measurement Site(s)	NAC-Land Use	Number of DU's	NAC	Existing Year	Design Year No Build	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Refined Preferred Alt 8
580	13	M-5, 6	B-Cantebury Townhomes	12	66	47	50.2	52.2	52.9	52.8	53	53	50.3
581	13	M-5, 6	B-Cantebury Townhomes	12	66	49	52	X	X	55.9	56.3	56.1	52.5
582	13	M-5, 6	B-Cantebury Townhomes	12	66	47.4	50.2	53.4	44.5	54	54.5	54.5	50.6
583	13	M-5, 6	B-Cantebury Townhomes	12	66	42.5	42.5	43.3	44	43.7	43.8	43.8	43.5
584	13	M-5, 6	B-Cantebury Townhomes	12	66	42.5	45	49.9	50.5	47.8	48.1	48.1	46.1
585	13	M-5, 6	B-Cantebury Townhomes	16	66	42.5	44.1	47.8	48.2	47.1	47.2	47.1	44.3
586	13	M-5, 6	B-Cantebury Townhomes	8	66	42.5	42.5	44.8	45.3	45.2	45.2	45.2	43.2
587	13	M-5, 6	B-Cantebury Townhomes	8	66	42.5	42.5	43.8	44.4	44.2	44.4	44.4	42.5
588	13	M-5, 6	B-Cantebury Townhomes	8	66	43.4	46	49.2	49.7	48.4	48.4	48.3	45.3
589	13	M-5, 6	E-Cantebury Townhome Office	1	71	45	47.4	50.6	51.4	50.3	50.2	50.1	46.2
590	13	M-5, 6	C-Cantebury Townhomes Pool	1	66	43.3	45.9	48.8	49.3	48.7	48.8	48.6	45.4
591	13	M-5, 6	B-Forest Ridge	10	66	48.4	52.8	55.4	56.1	56.4	56.9	56.9	57.3
592	13	M-5, 6	B-Forest Ridge	20	66	61.5	65.3	**69.8**	**70.3**	**70.4**	**71.1**	**71.1**	**71**
593	13	M-5, 6	B-Forest Ridge	20	66	59.7	63.8	**68.5**	**69**	**69.9**	**70.5**	**70.5**	**72.2**
594	13	M-5, 6	B-Forest Ridge	20	66	51	55.2	59	59.8	60.7	61.8	61.8	60.2
595	13	M-5, 6	B-Forest Ridge	32	66	63.4	67.3	**70.4**	**70.5**	**70.7**	**70.7**	**70.7**	**72.2**
596	13	M-5, 6	B-Forest Ridge	8	66	67.4	70.8	**73.9**	**74.4**	**74.3**	**74**	**74**	**72.4**
597	13	M-5, 6	B-Copper Beech	24	66	51.2	55.2	57.7	58.3	60.2	59.9	59.9	58.2
598	13	M-5, 6	B-Copper Beech	16	66	52.3	56.3	58.8	59.3	61.3	61	61	59.2
599	13	M-5, 6	B-Copper Beech	16	66	55.1	59	61.5	61.9	63.4	63.1	63	61
600	13	M-5, 6	B-Copper Beech	16	66	57.4	61.2	63.8	64.2	65.5	64.9	64.9	63.4
601	13	M-5, 6	B-Copper Beech-	25	66	63.3	66.8	**68.9**	**69**	**69.5**	**68.6**	**68.6**	**68.3**
602	13	M-5, 6	B-Copper Beech	8	66	45.3	49.4	52.8	53.1	55.4	54.8	54.8	53.7
603	13	M-5, 6	B-Copper Beech	8	66	48.8	52.9	56	56.4	58.8	58.7	58.7	56.6
604	13	M-5, 6	B-Bradford Ridge Apartments	30	66	61.3	65.2	**66.1**	**66.8**	**67.7**	**67.1**	**67.1**	**66.5**
605	13	M-5, 6	B-Bradford Ridge Apartments	30	66	60	63.9	64.7	65	**67.3**	**67**	**67**	**67.4**
606	13	M-5, 6	B-Bradford Ridge Apartments	30	66	44.3	47.9	46.9	47.5	50.9	49.7	49.7	48.3
607	13	M-5, 6	B-Basswood Apartments	30	66	60	63.9	63.3	63.6	**68**	**67.3**	**67.3**	**66**
608	13	M-5, 6	B-Basswood Apartments	30	66	48.8	52.2	51.5	51.7	55.5	54.2	54.3	52.9
609	13	M-5, 6	B-Basswood Apartments	30	66	60.9	64.4	62.8	62.9	**70.4**	**69.7**	**69.7**	**66.9**
610	13	M-5, 6	C-Basswood Apartments-Pool/ Clubhouse	1	66	56.3	59.7	59.4	59.2	64.6	64.5	64.4	61.1
611	13	M-5, 6	B-Basswood Apartments-	30	66	55.2	58.3	58.2	58.1	61.9	61.1	61.1	58.9
612	13	M-5, 6	C-Basswood	1	66	58.9	62.4	60.5	60.6	**67.4**	**67.3**	**67.3**	62.7

I-69 Section 5 Predicted Sound Levels													
Receptor	NSA	Represented by NSA Measurement Site(s)	NAC-Land Use	Number of DU's	NAC	Existing Year	Design Year No Build	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Refined Preferred Alt 8
			Apartments-Tennis Court										
613	13	M-5, 6	B-Basswood Apartments	30	66	58.4	61.3	59.3	59.2	65.2	64.8	64.7	62.1
614	13	M-5, 6	B-Basswood Apartments-	20	66	55.5	57.8	58.4	58	60.3	60.4	60.4	57.8
614A	13	M-5, 6	E-Hotel	84	71	60.4	61.7	61.5	60.9	61.7	61.9	61.9	58.9
615	13	M-5, 6	B-Basswood Apartments	24	66	52.7	54.9	56.5	56.1	57.7	57.5	57.5	55.3
616	13	M-5, 6	B-Basswood Apartments	20	66	53.2	55.9	56.7	56.5	58.3	58	58	55.8
617	14	M-4, 31	B-Residential	1	66	55.3	56.5	48.8	48.6	51.5	50.2	50.2	48.9
618	14	M-4, 31	B-Residential	1	66	53.7	54.9	49.2	48.9	52.6	52.4	52.3	49.2
619	14	M-4, 31	B-Residential	1	66	52.8	54.1	51.5	51.1	53.7	53.3	53.3	49.6
620	14	M-4, 31	B-Residential	1	66	50.6	52.1	52.1	51.6	53.4	52.9	52.9	49.1
621	14	M-4, 31	B-Residential	1	66	50.9	52.6	53.7	53.2	54.7	54	54.1	50.1
622	14	M-4, 31	B-Residential	1	66	53.8	55.1	54.2	53.6	55.5	55	55	50.8
623	14	M-4, 31	B-Residential	1	66	58.5	59.7	55.4	54.9	56.6	56.2	56.2	52.6
624	14	M-4, 31	B-Residential	1	66	55.1	56.5	59.1	58.4	60.8	60.4	60.4	54.9
625	14	M-4, 31	B-Residential	6	66	58.3	59.5	X	X	63.7	63.6	63.6	58
626	14	M-4, 31	B-Oakdale Square	6	66	56	57.9	60.8	60.1	63.2	61.9	61.9	57.6
627	14	M-4, 31	B-Oakdale Square	6	66	54.3	56.3	59.7	59.1	61.8	60.4	60.3	55.8
628	14	M-4, 31	B-Oakdale Square	8	66	47.5	49.7	53.6	53.3	54.7	54.5	54.5	57
629	14	M-4, 31	B-Oakdale Square	8	66	57.3	59.3	62.9	62.4	65.3	63.5	63.5	60.1
630	14	M-4, 31	B-Oakdale Square	6	66	57.6	59.7	63.2	62.7	**66**	64.1	64.1	60.2
631	14	M-4, 31	B-Oakdale Square	6	66	60	62.1	64.5	X	**68.2**	**66.3**	**66.2**	62.5
632	14	M-4, 31	B-Oakdale Square	6	66	59.3	61.7	64.8	X	**67.7**	**66**	**66**	62.4
633	14	M-4, 31	B-Oakdale Square	8	66	59.9	62.4	65.2	65.4	**67.5**	**66.3**	**66.2**	62.8
634	14	M-4, 31	B-Oakdale Square	6	66	67.3	71.1	**71.5**	**73.5**	**74.8**	**72.3**	**72.2**	**69.7**
635	14	M-4, 31	B-Oakdale Square	8	66	52.7	54.9	58.7	58.5	59.8	59.1	59.1	57.6
636	14	M-4, 31	B-Oakdale Square	8	66	52.7	54.9	58.7	58.5	59.8	59.1	59.1	57.6
637	14	M-4, 31	B-Oakdale Square	8	66	53	55.4	59.3	59	60.7	60.1	60.1	56
638	14	M-4, 31	B-Oakdale Square	8	66	66	70.1	**68.8**	**70.3**	**73.7**	**66.7**	**66.7**	**66**
639	14	M-4, 31	B-Oakdale Square	8	66	50.2	54	57.1	57.5	57.6	56.6	56.6	59
640	14	M-4, 31	B-Oakdale Square	8	66	52.1	55.3	44.5	44.8	58.9	58.4	58.4	58.5
641	14	M-4, 31	B-Oakdale Square	6	66	52.6	55.7	44.5	44.7	58.7	59.3	59.3	57.9
642	14	M-4, 31	B-Oakdale Square	6	66	52.2	55.8	57.3	57.5	58.8	58.8	58.9	57.4
643	14	M-4, 31	B-Oakdale Square	8	66	58.9	63.3	63.2	63.6	**67.4**	61.3	61.3	59.7
644	14	M-4, 31	B-Oakdale Square	6	66	61.2	65.7	65.9	**66.5**	**70.3**	63	63	63.4

I-69 Section 5 Predicted Sound Levels													
Receptor	NSA	Represented by NSA Measurement Site(s)	NAC-Land Use	Number of DU's	NAC	Existing Year	Design Year No Build	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Refined Preferred Alt 8
645	14	M-4, 31	B-Oakdale Square	6	66	62.9	67.3	67.9	68.6	71.4	64.1	64	63.5
646	14	M-4, 31	B-Oakdale Square	12	66	68	72.3	72.9	74.2	75.6	67	67	69
647	14	M-4, 31	B-Oakdale Square	8	66	61.3	65.7	66.7	67.2	70.3	62.7	62.7	64.4
648	14	M-4, 31	B-Oakdale Square	8	66	60.9	65.4	66.3	66.6	70.1	62.1	62.1	65.4
649	14	M-4, 31	C-Wapehani Mtn. Bike Park	1	66	33.2	38.1	40.2	40.9	41	41.2	41.2	40.8
650	14	M-4, 31	E-Office	1	71	56.3	58.8	59.5	X	60.2	61.5	X	58.5
651	14	M-4, 31	E-Office	1	71	52.5	56.5	59.1	56.7	60	60.1	59.8	59.2
652	14	M-4, 31	E-Office	1	71	48.1	51.7	53.7	52	53.7	54.7	54.3	53.4
653	14	M-4, 31	E-Office	1	71	49.3	51.7	50.1	50.4	50	51.4	51.5	48.9
654	15	M-1, 2	B-Residential	1	66	50.4	59.5	65	64	65	X	65	62.7
655	15	M-1, 2	B-Residential	1	66	50.5	60.3	X	X	X	X	X	X
656	15	M-1, 2	B-Residential	1	66	42.5	49.1	X	X	X	X	X	63.6
657	15	M-1, 2	B-Residential	1	66	42.5	48.9	X	X	X	X	X	X
658	15	M-1, 2	B-Residential	1	66	42.5	47.5	X	X	X	X	X	X
659	15	M-1, 2	B-Residential	1	66	42.5	48.7	X	X	X	X	X	X
660	15	M-1, 2	B-Residential	1	66	42.5	50.9	58	57.6	60.7	X	59.4	57.7
661	15	M-1, 2	B-Residential	1	66	46.8	56	58	57.6	57.7	61.3	57.1	56.3
662	15	M-1, 2	B-Residential	1	66	51.5	61	57	56	55.5	58.1	55	56.7
663	15	M-1, 2	B-Residential	1	66	50	59.3	57	55.3	53.4	55.2	53.1	56.4
664	15	M-1, 2	B-Residential	1	66	48	57.4	53.9	53.5	X	X	X	58.4
665	15	M-1, 2	B-Residential	1	66	42.5	45.4	X	X	X	X	X	X
666	15	M-1, 2	B-Residential	1	66	42.5	45	X	X	X	X	X	58.1
667	15	M-1, 2	B-Residential	1	66	42.5	47.9	X	X	X	X	X	X
668	15	M-1, 2	B-Residential	1	66	42.5	45.6	X	X	X	X	X	X
669	15	M-1, 2	B-Residential	1	66	42.5	47.9	X	X	X	X	X	X
670	15	M-1, 2	B-Residential	1	66	42.5	49.3	X	X	X	X	X	X
671	15	M-1, 2	B-Residential	1	66	42.5	48	X	X	X	X	X	X
672	15	M-1, 2	B-Residential	1	66	42.5	43	59	58.1	54	X	54.4	52
673	15	M-1, 2	B-Residential	1	66	42.5	42.5	55	53.4	51.9	X	52.1	49.8
674	15	M-1, 2	B-Residential	1	66	42.5	42.5	51	49.2	50.1	X	50.3	48.1
675	15	M-1, 2	B-Residential	1	66	42.5	48.8	56	54.5	54.6	55.1	55.7	54.2
676	15	M-1, 2	B-Residential	1	66	46.6	53.1	63	61.7	60.2	61	61.2	57
677	15	M-1, 2	B-Residential	1	66	54	60.3	67.2	67.6	67.2	67.6	68.8	62.6
678	15	M-1, 2	B-Residential	1	66	48.6	55	63	62.8	62.8	63.4	64	60.4
679	15	M-1, 2	B-Residential	1	66	48.5	54.8	63	63.3	62.7	63.3	64.2	60.7
680	15	M-1, 2	B-Residential	1	66	54.4	61	67.7	68.2	67.7	68.2	68.8	64.2
681	15	M-1, 2	B-Residential	1	66	53.6	60.2	65.9	63.2	65.9	66.5	66.5	63.8
682	15	M-1, 2	B-Residential	1	66	50.5	57	61.7	56.1	62.3	63.4	63.3	60.6
683	15	M-1, 2	B-Residential	1	66	45.3	52	53.6	49.5	53.1	53.4	53.3	52.6
684	15	M-1, 2	B-Residential	1	66	65.3	71.3	69.7	70.9	71	71.6	72.3	69.5
685	15	M-1, 2	B-Residential	1	66	51.1	57.7	56	56.5	57.2	57.7	57.7	55.6
686	15	M-1, 2	B-Residential	1	66	52.1	58.8	57	57.4	58.7	59.2	59.5	57.1
687	15	M-1, 2	B-Residential	1	66	55.7	62.4	60	60.2	64	64.6	65	62.5
688	15	M-1, 2	B-Residential	1	66	51.4	57.7	56	55.2	58	58.6	60.4	58.3
689	15	M-1, 2	B-Residential	1	66	50.8	57.1	59	56.9	58.2	59	59.4	58.5
690	15	M-1, 2	B-Residential	1	66	49.6	55.7	56	55.4	57.8	58.3	59.5	57.5
691	15	M-1, 2	B-Residential	1	66	53	58.8	56	58.7	60.6	61.2	62.1	59.8
692	15	M-1, 2	B-Residential	1	66	48.8	54.7	57	55	56.6	57.1	57.7	56.1
693	15	M-1, 2	B-Residential	1	66	49.9	55.6	56	55.3	57.4	57.9	58.8	57
694	15	M-1, 2	B-Residential	1	66	52.3	57.6	57	56.9	58.5	59	60	58.1
695	15	M-1, 2	B-Residential	1	66	51.8	56.4	55	55	55.8	56.3	57.8	56.7
696	15	M-1, 2	B-Residential	1	66	51.2	55.5	54	53.8	54.3	55	55.6	55.3
697	15	M-1, 2	B-Residential	1	66	47.5	52.5	53	52.6	53.2	53.8	54.2	53.3

I-69 Section 5 Predicted Sound Levels													
Receptor	NSA	Represented by NSA Measurement Site(s)	NAC-Land Use	Number of DU's	NAC	Existing Year	Design Year No Build	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Refined Preferred Alt 8
698	15	M-1, 2	B-Residential	1	66	49.3	53.7	52	51.6	53.2	53.8	53.8	53.2
699	15	M-1, 2	B-Residential	1	66	50.4	54.5	53	52.6	53.1	53.7	54	54.1
700	15	M-1, 2	B-Residential	1	66	53.1	56.8	54	53.5	53.7	54.3	54.7	55.4
701	15	M-1, 2	B-Residential	1	66	55.4	62	60	60	64.1	64.7	64.5	63
702	15	M-1, 2	B-Residential	1	66	54.8	60.8	58	58.5	62	62.7	61.1	59.9
703	15	M-1, 2	B-Residential	1	66	53.6	59.4	59	58.5	61.6	62.1	63.2	60.6
704	15	M-1, 2	B-Residential	1	66	54	59	60	59	59.4	59.9	62.4	60.8
705	15	M-1, 2	B-Residential	1	66	56.7	60.8	59	59.2	58.6	59	61.4	61.1
706	15	M-1, 2	B-Residential	1	66	62.2	65.5	X	X	57.9	58.3	59.7	63.2
707	15	M-1, 2	B-Residential	1	66	61.1	64.6	X	X	60.3	60.6	62.7	63.3
708	15	M-1, 2	B-Residential	1	66	60.1	64.4	62	61.4	63.5	63.8	**66.8**	64.2
709	15	M-1, 2	B-Residential	1	66	62.1	66.6	X	X	X	X	X	X
710	15	M-1, 2	B-Residential	1	66	63.9	68.9	X	X	X	X	X	X
711	15	M-1, 2	B-Residential	1	66	61.2	66.8	X	X	X	X	X	65.7
712	15	M-1, 2	B-Residential	1	66	61	64.7	X	X	X	X	X	63.5
713	15	M-1, 2	B-Residential	1	66	61	64.7	X	X	60.1	59.5	59.2	63.5
714	15	M-1, 2	B-Residential	1	66	61.7	65.1	X	X	59.3	59	59	65.1
715	15	M-1, 2	B-Residential	1	66	60.9	64.3	X	X	58.6	58.4	58.5	64.3
716	15	M-1, 2	B-Residential	1	66	62.3	65.5	X	60.5	57.2	57.4	57.2	65.1
717	15	M-1, 2	B-Residential	1	66	59.7	63	57	56.9	55.4	56.1	55.7	62.7
718	15	M-1, 2	B-Residential	1	66	61	64.2	55	54.8	54.8	55.4	55.8	64.4
719	15	M-1, 2	B-Residential	1	66	49	53.5	52	52.5	51.5	52.3	52.2	51.3
720	15	M-1, 2	B-Residential	1	66	45.6	50.8	50	49.2	51.3	51.3	51	49
721	15	M-1, 2	B-Residential	1	66	47.1	50.9	48.1	49.2	46.3	48.5	47.9	48.3
722	15	M-1, 2	B-Residential	1	66	48.3	52.1	49.1	50.4	56.2	50	49.5	49.7
723	15	M-1, 2	B-Residential	1	66	53.1	58.5	57	56.9	59.1	59.5	59.6	53.1
724	15	M-1, 2	B-Residential	1	66	53.1	58.8	57	57	59.4	59.9	59.4	53.9
725	15	M-1, 2	B-Residential	1	66	51.3	57	56	55.9	57.6	58.1	58.3	52.6
726	15	M-1, 2	B-Residential	1	66	48.8	54.7	55	54.3	56.1	56.6	56.9	50.9
727	15	M-1, 2	B-Residential	1	66	47.8	53.8	54	53.3	55	55.4	55.9	50.5
728	16	M-2, 3, 31	B-Residential	1	66	46.7	52.5	54	52.8	53.9	54.3	54.1	48.3
729	16	M-2, 3, 31	B-Residential	1	66	46.6	52.5	55	54.6	55.1	55.3	54.8	51.9
730	16	M-2, 3, 31	B-Residential	1	66	49.2	55.1	59	58	58.3	58.5	58.1	56.1
731	16	M-2, 3, 31	B-Residential	1	66	49.7	55.3	61	59.4	59.2	59.5	58.9	56.1
732	16	M-2, 3, 31	C-Hospital	1	66	63.3	69.3	**67.2**	**66.6**	**73.2**	**73.6**	**73.2**	**70.2**
733	16	M-2, 3, 31	E-Office	1	71	54.4	59.3	X	X	X	X	X	58.5
734	16	M-2, 3, 31	E-Office	1	71	55	59.4	X	X	X	X	X	57.5
735	16	M-2, 3, 31	E-Office	1	71	56.3	61	X	X	X	X	X	60.4
736	16	M-2, 3, 31	C-Place of Worship	1	66	59.8	64	X	X	X	X	X	X
737	16	M-2, 3, 31	B-Residential	1	66	55.3	60	**66.4**	65	**66.4**	**66.4**	**67.1**	63
738	16	M-2, 3, 31	B-Residential	1	66	53.2	57.5	**66.4**	65.3	64.3	64.4	65	62.2
739	16	M-2, 3, 31	B-Residential	1	66	52.3	56.7	**66.1**	64.6	63.6	63.6	64	61.1
740	16	M-2, 3, 31	B-Residential	1	66	51.3	55.8	64.1	64.9	62.9	63	63.4	60.7
741	16	M-2, 3, 31	B-Residential	1	66	47.5	51.8	60.6	60.7	60.6	60.7	61.3	60.6
742	16	M-2, 3, 31	B-Residential	1	66	48.8	53.5	61.2	61.3	61.2	61.3	61.8	61.2
743	16	M-2, 3, 31	B-Residential	1	66	46.5	51.6	59.1	59.2	59.1	59.2	59.4	59.9
744	16	M-2, 3, 31	B-Residential	1	66	43.7	48.5	55.9	56	55.9	56	56.3	58.1
745	16	M-2, 3, 31	B-Residential	1	66	42.5	45.4	54.4	54.4	54.4	54.4	55	57.4
746	16	M-2, 3, 31	B-Residential	1	66	42.5	42.9	52.6	52.7	52.6	52.7	53.6	56.9
747	16	M-2, 3, 31	B-Residential	1	66	46.9	51.7	60.2	59.6	58	58.1	58	58.2
748	16	M-2, 3, 31	B-Residential	1	66	44.7	49.4	57.2	55.3	55.8	55.8	55.9	58.8
749	16	M-2, 3, 31	B-Residential	1	66	45	49.6	57.9	56.4	55.9	55.9	56	59.9
750	16	M-2, 3, 31	B-Residential	1	66	52.8	58.2	63.9	62.7	64.2	64.1	64.2	60.9
751	16	M-2, 3, 31	B-Residential	1	66	52	57.6	61.9	61.2	63	63	63.1	60.6
752	16	M-2, 3, 31	B-Residential	1	66	44	49.7	53.9	52.8	53.6	53.6	54.1	**60.1**
753	16	M-2, 3, 31	B-Residential	1	66	42.8	48.3	53.2	52.2	52.9	52.9	53.4	**58.4**

I-69 Section 5 Predicted Sound Levels													
Receptor	NSA	Represented by NSA Measurement Site(s)	NAC-Land Use	Number of DU's	NAC	Existing Year	Design Year No Build	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Refined Preferred Alt 8
754	16	M-2, 3, 31	B-Residential	1	66	42.5	47.4	54.2	53.4	52.2	52.2	52.7	57.1
755	16	M-2, 3, 31	B-Residential	1	66	45.5	51.2	57.6	57.7	57.6	57.7	58	59.4
756	16	M-2, 3, 31	B-Residential	1	66	44.6	50.4	56.3	56.4	56.3	56.4	56.8	57.9
757	16	M-2, 3, 31	B-Residential	1	66	42.2	47.7	53.1	53.3	53.1	53.3	53.9	56.8
758	16	M-2, 3, 31	B-Residential	1	66	43.3	49.1	54.2	54.3	54.2	54.3	54.8	56.6
759	16	M-2, 3, 31	B-Residential	1	66	42.5	45.9	52.2	52.2	52.2	52.2	52.4	55.6
760	16	M-2, 3, 31	B-Residential	1	66	42.5	44.2	50.3	50.4	50.3	50.4	50.7	55
761	16	M-2, 3, 31	B-Residential	1	66	45.5	51.4	50	49.1	55.1	55.2	55.4	56.6
762	16	M-2, 3, 31	B-Residential	1	66	46.7	52.5	57	50	55.7	55.8	55.8	57.2
763	16	M-2, 3, 31	B-Residential	1	66	45.1	50.9	51.8	50.9	54.5	54.6	54.6	57.3
764	16	M-2, 3, 31	B-Residential	1	66	47.4	53.1	56	55.5	55.5	55.6	55.7	58
765	16	M-2, 3, 31	B-Residential	1	66	47.3	53.2	56	55.3	56.2	56.3	56.4	59.4
766	16	M-2, 3, 31	B-Residential	1	66	56.4	62.1	65.2	64.9	X	X	X	X
767	16	M-2, 3, 31	B-Residential	1	66	55.5	61.3	63.9	63.7	X	X	X	X
768	16	M-2, 3, 31	B-Residential	1	66	57.4	63.2	65.3	65.4	X	X	X	X
769	16	M-2, 3, 31	B-Residential	1	66	58.2	63.8	65.4	65.5	X	X	X	X
770	16	M-2, 3, 31	B-Residential	1	66	48.7	55.1	57.6	57.5	58.1	58	58.2	62.4
771	16	M-2, 3, 31	B-Residential	1	66	44.5	50.2	53.2	52.6	54.6	54.5	54.7	59.3
772	16	M-2, 3, 31	B-Residential	1	66	49.4	55.7	57.5	57.7	58	57.9	57.9	60.9
773	16	M-2, 3, 31	B-Residential	1	66	58.3	64	65.3	65.5	**69.1**	**69.4**	**69.9**	**67.4**
774	16	M-2, 3, 31	B-Residential	1	66	57.7	63.6	65.4	65.5	**68.6**	**69**	**69.7**	**67**
775	16	M-2, 3, 31	B-Residential	1	66	57.1	63.2	65	65.3	**67.9**	**68.2**	**69.3**	**66**
776	16	M-2, 3, 31	B-Residential	1	66	46.8	53.8	55.1	54.8	55.8	55.7	55.7	59
777	16	M-2, 3, 31	B-Residential	1	66	47.1	54.2	56.1	48.1	56.4	56.3	56.4	59.2
778	16	M-2, 3, 31	B-Residential	1	66	57	63.2	65.2	65.5	**67.7**	**68**	**69.7**	64.8
779	16	M-2, 3, 31	B-Residential	1	66	56.1	62.4	64.8	65.2	**66.4**	**66.6**	**67.3**	64
780	16	M-2, 3, 31	B-Residential	1	66	47.5	53.6	54.5	54.1	56	56.1	56.2	59.1
781	16	M-2, 3, 31	B-Residential	1	66	57	63.2	65.2	65.5	**67.1**	**67.6**	**69.2**	**66**
782	16	M-2, 3, 31	B-Residential	1	66	56.5	62.8	64.9	65.3	**66.3**	**66.3**	**67.5**	64.2
783	16	M-2, 3, 31	B-Residential	1	66	51.4	57.3	58.4	58.2	61	61	60.9	60.2
784	16	M-2, 3, 31	B-Residential	1	66	49.9	56.3	57	57.3	57.6	57.6	57.8	60.6
785	16	M-2, 3, 31	B-Residential	1	66	56.3	62.7	64.8	65.3	65.8	65.8	**66.3**	64.3
786	16	M-2, 3, 31	B-Residential	1	66	56.2	62.6	64.8	65	65.5	65.5	65.5	63.9
787	16	M-2, 3, 31	B-Residential	1	66	46.4	52.6	55.1	55.3	54.9	54.9	55.1	60.2
788	16	M-2, 3, 31	B-Residential	1	66	45	51	53.8	53.7	53.9	53.8	53.9	59.1
789	16	M-2, 3, 31	B-Residential	1	66	56.5	62.9	63.4	63.6	65.7	65.7	65.5	64.1
790	16	M-2, 3, 31	B-Residential	1	66	58.6	64.7	65.1	65.5	**67.7**	**67.9**	**67.9**	**66**
791	16	M-2, 3, 31	B-Residential	1	66	44.6	50.6	53.3	53.4	53.4	53.4	53.5	**59.9**
792	16	M-2, 3, 31	B-Residential	1	66	60	65.8	64.7	65.2	**69**	**69.6**	**69.2**	**66.9**
793	16	M-2, 3, 31	B-Residential	1	66	59.1	64.8	64.1	64.6	**68.1**	**68.8**	**68.5**	**66**
794	16	M-2, 3, 31	B-Residential	1	66	58.2	63.9	63.6	64.2	**67.6**	**68.1**	**67.8**	**66.1**
795	16	M-2, 3, 31	B-Residential	1	66	57.4	63.1	63.3	64	**67.2**	**67.8**	**67.4**	63.4
796	16	M-2, 3, 31	B-Residential	1	66	56	61.9	62.3	63	**66.1**	**66.6**	**66.3**	62.8
797	16	M-2, 3, 31	B-Residential	1	66	44.1	49.9	52.1	52.1	52.2	52.2	52.4	59
798	16	M-2, 3, 31	B-Residential	1	66	44.1	49.8	51.6	51.9	51.8	51.8	51.9	58.8
799	16	M-2, 3, 31	B-Residential	1	66	42.1	47.4	47.8	47.8	49	49.7	49.8	**61.1**
800	16	M-2, 3, 31	B-Residential	1	66	49.6	55.7	56.7	56.7	57.4	57.5	57.6	61.6
801	16	M-2, 3, 31	B-Residential	1	66	47.7	53.2	54.8	54.8	55.5	55.5	55.5	**64.3**
802	16	M-2, 3, 31	B-Residential	1	66	59.5	65.1	65.4	**66**	**69.1**	**69.7**	**69.5**	**66.8**
803	16	M-2, 3, 31	B-Residential	1	66	64.1	69.3	**68.3**	**68.5**	**72.8**	**72.9**	**72.8**	**68.3**
804	16	M-2, 3, 31	B-Residential	1	66	63.2	68.5	**67.9**	**68.1**	**72**	**72.2**	**72.1**	**66.3**
805	16	M-2, 3, 31	B-Residential	1	66	58.1	63.7	64.5	64.9	**67.9**	**68.2**	**68.1**	62.9
806	16	M-2, 3, 31	B-Residential	1	66	45.3	50.7	51.9	51.9	52.8	53	53.1	**63**
807	16	M-2, 3, 31	B-Residential	1	66	42.7	47.9	49.2	49.2	49.6	50.2	50.4	**61.3**
808	16	M-2, 3, 31	B-Residential	1	66	45.5	50.8	51.6	51.5	53	53.4	53.4	59.8
809	16	M-2, 3, 31	B-Residential	1	66	46.4	51.8	52.7	52.8	53.9	54.3	54.3	60.1
810	16	M-2, 3, 31	B-Residential	1	66	46.7	52.1	42.3	53.2	54.2	54.6	54.7	58.7

I-69 Section 5 Predicted Sound Levels													
Receptor	NSA	Represented by NSA Measurement Site(s)	NAC-Land Use	Number of DU's	NAC	Existing Year	Design Year No Build	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Refined Preferred Alt 8
811	16	M-2, 3, 31	B-Residential	1	66	46.2	51.4	52.1	51.8	53.7	54.1	54.1	58.1
812	16	M-2, 3, 31	B-Residential	1	66	48.9	54.2	55	55.4	55.9	56.2	56.3	59.2
813	16	M-2, 3, 31	B-Residential	1	66	48.9	54.2	54.8	54.7	56.5	56.9	56.8	60.3
814	16	M-2, 3, 31	B-Residential	1	66	46.9	52.2	53.6	53.9	55.3	55.9	55.9	61.7
815	16	M-2, 3, 31	B-Residential	1	66	59.1	64.6	65.4	66.2	68.5	68.8	68.7	64.4
816	16	M-2, 3, 31	B-Residential	1	66	61.8	67.2	67.8	68.4	70.7	70.9	70.9	66.3
817	16	M-2, 3, 31	B-Residential	1	66	63.5	68.8	69.3	69.9	72.1	72.3	72.2	68.5
818	16	M-2, 3, 31	B-Residential	1	66	63.4	68.6	69.3	70	71.9	72.3	72.2	69.4
819	16	M-2, 3, 31	B-Residential	1	66	62.7	68	68.6	69.4	71.4	72	72	68
820	16	M-2, 3, 31	B-Residential	1	66	62.3	67.6	68.4	68.9	71.3	72	72	69.4
821	16	M-2, 3, 31	B-Residential	1	66	61.8	67.2	68.1	67.8	71	71.8	71.7	69.8
822	16	M-2, 3, 31	B-Residential	1	66	61.5	66.9	67.9	66.6	70.7	71.6	71.5	69.6
823	16	M-2, 3, 31	B-Residential	1	66	42.5	42.5	44.8	45.3	44.2	45.2	45.1	56.1
824	16	M-2, 3, 31	B-Residential	1	66	46.8	52.1	53	52.6	54.3	54.8	54.8	58.1
825	16	M-2, 3, 31	B-Residential	1	66	48.5	53.7	54	53.6	55.7	56.2	56.2	61.1
826	16	M-2, 3, 31	B-Residential	1	66	47.6	53	53.9	53.6	55.9	56.3	56.3	62.5
827	16	M-2, 3, 31	B-Residential	1	66	49.8	55.4	56.3	56.2	58	58.6	58.6	63.3
828	16	M-2, 3, 31	B-Residential	1	66	50.1	55.6	57	56.8	58.3	58.9	58.9	64.2
829	16	M-2, 3, 31	B-Residential	1	66	50.6	56.2	57.5	57.4	59	59.8	59.7	65
830	16	M-2, 3, 31	B-Residential	1	66	50.5	56	57.4	56.7	58.6	59.4	59.3	64.6
831	16	M-2, 3, 31	B-Residential	1	66	50.4	55.9	56.8	56	58.3	59.1	59	65.3
832	16	M-2, 3, 31	B-Residential	1	66	49.9	55.3	56.2	55.4	57.6	58.6	58.6	64
833	16	M-2, 3, 31	B-Residential	1	66	42.5	42.5	44.9	44.7	43.8	44.6	44.6	56.7
834	16	M-2, 3, 31	B-Residential	1	66	47.4	52.9	53.6	53.2	55.2	55.8	55.7	57.9
835	16	M-2, 3, 31	B-Residential	1	66	48.1	53.5	54.3	53.9	55.9	56.3	56.2	60.4
836	16	M-2, 3, 31	B-Residential	1	66	47.6	53.1	54.1	53.5	55.7	56.3	56.2	58.6
837	16	M-2, 3, 31	B-Residential	1	66	48.1	53.4	54.6	53.9	56.1	56.9	56.8	59
838	16	M-2, 3, 31	B-Residential	1	66	48.8	54	55.4	54.1	56.8	57.9	57.7	58.5
839	16	M-2, 3, 31	B-Residential	1	66	47.2	52.5	53.7	53	55.3	56.4	56.5	61
840	16	M-2, 3, 31	B-Residential	1	66	51.2	57	57.7	57.4	59.1	61	60.7	64.3
841	16	M-2, 3, 31	B-Residential	1	66	52.4	58.4	60	59.3	61.6	63.7	62.8	63.2
842	16	M-2, 3, 31	B-Residential	1	66	54.2	59.9	61.1	59.4	64	65.2	64.6	63.2
843	16	M-2, 3, 31	B-Residential	1	66	55.8	61.4	63.3	60	65.3	66.5	66.3	64.3
844	16	M-2, 3, 31	B-Residential	1	66	56.2	61.8	63.8	59.7	65.7	67	66.6	64.9
845	16	M-2, 3, 31	B-Residential	1	66	57.7	63.1	65.5	60	67	68.3	67.7	64.6
846	16	M-2, 3, 31	B-Residential	1	66	55.1	60.5	63.7	57.3	65.5	66.1	65.7	65.7
847	16	M-2, 3, 31	B-Residential	1	66	51.8	56.8	59.7	55	60.9	61.8	61.5	64
848	16	M-2, 3, 31	B-Residential	1	66	47.6	52.4	54.7	53.3	55.6	56.1	55.3	59.3
849	16	M-2, 3, 31	B-Residential	1	66	43.6	48.7	47	50.7	51.4	52.4	50.7	55.7
850	16	M-2, 3, 31	B-Residential	1	66	42.8	47.4	52.2	52.4	50.1	53.1	51.8	55.3
851	16	M-2, 3, 31	B-Residential	1	66	45.6	50.7	53.4	52.7	53	54.4	54	54.4
852	16	M-2, 3, 31	B-Residential	1	66	42.5	42.5	44.6	44.2	40.5	41.9	41.7	53.6
853	16	M-2, 3, 31	B-Residential	1	66	48.8	54	55.9	53.4	56.9	57.9	57.7	60.7
854	16	M-2, 3, 31	B-Residential	1	66	62.8	68	69.4	65.6	71.4	72.6	X	70.2
855	16	M-2, 3, 31	B-Residential	1	66	62.4	67.7	69.2	64.4	71	72.7	X	69.8
856	16	M-2, 3, 31	B-Residential	1	66	62.8	68.1	69.7	63.8	71.4	73.3	X	70.1
857	16	M-2, 3, 31	B-Residential	1	66	62.7	67.9	69.7	X	71.2	73.3	X	69.8
858	16	M-2, 3, 31	B-Residential	1	66	63.1	68.3	70.2	X	71.6	73.6	X	69.9
859	16	M-2, 3, 31	B-Residential	1	66	63.2	68.4	70.4	X	71.8	73.3	X	69.9
860	16	M-2, 3, 31	B-Residential	1	66	62.6	67.8	70	X	71.4	72.2	X	68.2
861	16	M-2, 3, 31	B-Residential	1	66	62.2	67.4	69.6	X	71.1	70	X	66.2
862	16	M-2, 3, 31	B-Residential	1	66	61.2	66.5	68.6	X	70.4	63.7	X	66.2
863	16	M-2, 3, 31	B-Residential	1	66	60.1	65.6	68.1	X	68.1	X	X	66.8
864	16	M-2, 3, 31	B-Residential	1	66	58.9	64.6	67.3	X	66.8	X	X	X
865	16	M-2, 3, 31	B-Residential	1	66	60	65.4	68.5	X	68.4	X	X	X
866	16	M-2, 3, 31	B-Residential	1	66	47.1	51.6	54	X	53.6	X	X	X
867	16	M-2, 3, 31	B-Residential	1	66	61.1	66.3	69.6	X	70.4	X	X	X

I-69 Section 5 Predicted Sound Levels													
Receptor	NSA	Represented by NSA Measurement Site(s)	NAC-Land Use	Number of DU's	NAC	Existing Year	Design Year No Build	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Refined Preferred Alt 8
868	16	M-2, 3, 31	B-Residential	1	66	62.9	67.9	71.5	X	71.6	X	X	X
869	16	M-2, 3, 31	B-Residential	1	66	61.1	66.3	66.8	X	54.6	X	X	X
870	16	M-2, 3, 31	B-Residential	1	66	46.2	50.9	50.5	X	51.2	60.3	X	59.3
871	16	M-2, 3, 31	B-Residential	1	66	45.4	50.1	52.2	51.5	X	50.8	49.6	58.7
872	16	M-2, 3, 31	B-Residential	1	66	45.5	50.1	59.3	55.9	X	61.3	61.1	X
873	16	M-2, 3, 31	B-Residential	1	66	66.8	70.3	69.7	X	X	X	X	X
874	16	M-2, 3, 31	B-Residential	1	66	64	67.4	X	X	X	X	X	X
875	16	M-2, 3, 31	B-Residential	1	66	63.4	66.6	X	X	X	X	X	X
876	16	M-2, 3, 31	B-Residential	1	66	62.7	65.8	X	X	X	X	X	X
877	16	M-2, 3, 31	B-Residential	1	66	64.1	67.2	X	X	X	X	X	X
878	16	M-2, 3, 31	B-Residential	1	66	66.7	69.8	X	X	X	X	X	X
879	16	M-2, 3, 31	B-Residential	1	66	66.5	69.6	X	X	X	X	X	X
880	16	M-2, 3, 31	B-Residential	1	66	66.9	70	X	X	70.1	72.2	70.6	68.2
881	16	M-2, 3, 31	B-Residential	1	66	66.2	69.3	X	51.8	65	68.1	67.4	64.8
882	16	M-2, 3, 31	B-Residential	1	66	66.7	69.8	X	50.7	58.6	61.2	61.3	58.6
883	16	M-2, 3, 31	B-Residential	1	66	62.5	65.6	X	49.7	55.3	57.8	57.8	55.4
884	16	M-2, 3, 31	B-Residential	1	66	56.2	59.3	51.6	50.5	54.9	57.1	57.1	54.4
885	16	M-2, 3, 31	B-Residential	1	66	53.9	57.1	47.1	51.1	48	49.4	49.2	53.9
886	16	M-2, 3, 31	B-Residential	1	66	52.1	55.3	43.6	51.3	45.3	46.9	47	51.3
887	16	M-2, 3, 31	B-Residential	1	66	48.3	51.7	44.4	43.9	46.3	48.4	48.2	54.1
888	16	M-2, 3, 31	B-Residential	1	66	42.3	47.6	50.6	45.8	48.8	50.8	50.9	55.8
889	16	M-2, 3, 31	B-Residential	1	66	46.7	51	53.2	52.3	51.8	54.1	53.7	55.9
890	16	M-2, 3, 31	B-Residential	1	66	47.1	51.5	53.8	53.8	52.6	55.1	54.7	56.2
891	16	M-2, 3, 31	B-Residential	1	66	46.8	51.4	53.9	53.7	52.9	55.1	54.9	55.8
892	16	M-2, 3, 31	B-Residential	1	66	46.4	51.1	53.7	53.8	53	55.2	54.8	55.4
893	16	M-2, 3, 31	B-Residential	1	66	46.1	51	53.9	53.7	53.1	54.9	54.3	55.1
894	16	M-2, 3, 31	B-Residential	1	66	45.9	50.9	53.5	53.1	53	54.2	53.8	54.6
895	16	M-2, 3, 31	B-Residential	1	66	44.9	49.7	53.4	53.2	52.1	54.2	53.4	55.9
896	16	M-2, 3, 31	B-Residential	1	66	44.6	49	51.7	53.6	50	50.9	49.6	56.7
897	16	M-2, 3, 31	B-Residential	1	66	45.5	49.9	52.6	54.4	50.8	53.5	51.5	56.6
898	16	M-2, 3, 31	B-Residential	1	66	46.3	50.5	53.1	54.6	51.1	54.7	53.8	57.4
899	16	M-2, 3, 31	B-Residential	1	66	46	50.3	53.2	54.9	X	54.2	54.4	57.5
900	16	M-2, 3, 31	B-Residential	1	66	46.8	51.2	53.5	54.5	X	54.8	55.3	57.8
901	16	M-2, 3, 31	B-Residential	1	66	44.9	49.8	52.7	50.2	X	53.8	53.8	57.9
902	16	M-2, 3, 31	B-Residential	1	66	61.7	65.7	68.5	66.4	X	70.4	70.4	67.1
903	16	M-2, 3, 31	B-Residential	1	66	48.7	53.4	57.4	56.3	X	63.2	62.6	61.3
904	16	M-2, 3, 31	B-Residential	1	66	42.6	46.7	49.5	51.2	47.8	50.8	50.7	54.6
905	16	M-2, 3, 31	B-Residential	1	66	45.7	50.2	52.2	52.4	51.1	52.5	52.4	54.6
906	16	M-2, 3, 31	B-Residential	1	66	46.7	51	52.8	53	51.8	53	52.5	54.4
907	16	M-2, 3, 31	B-Residential	1	66	46.7	51	52.6	52.8	52	53.4	53.1	55
908	16	M-2, 3, 31	B-Residential	1	66	47.5	51.7	53.4	53	53.4	54.9	54.9	55.2
909	16	M-2, 3, 31	B-Residential	1	66	48.1	52.3	53.5	52.9	54.5	55.8	55.5	55.2
910	16	M-2, 3, 31	B-Residential	1	66	48.8	53	53.9	52.9	55.3	57.1	57.1	55.1
911	16	M-2, 3, 31	B-Residential	1	66	48.9	53.1	53.8	52.8	55.6	57.1	57.2	54.9
912	16	M-2, 3, 31	B-Residential	1	66	48.8	52.9	53.5	52.5	55.3	56.8	56.6	54.4
913	16	M-2, 3, 31	B-Residential	1	66	48.5	52.5	52.9	52.1	54.5	56	55.8	54
914	16	M-2, 3, 31	B-Residential	1	66	48.1	52.1	52.5	51.6	54	55.1	54.9	53.4
915	16	M-2, 3, 31	B-Residential	1	66	47.6	51.5	52	50.9	53.1	54.2	54.1	52.9
916	16	M-2, 3, 31	B-Residential	1	66	47.2	51.2	51.5	50.5	52.6	53.4	53.3	52.3
917	16	M-2, 3, 31	B-Residential	1	66	46.7	50.6	51.1	50.1	51.8	52.9	52.8	51.8
918	16	M-2, 3, 31	B-Residential	1	66	46.2	50.1	50.6	49.5	51.1	52.2	52.2	51.3
919	16	M-2, 3, 31	B-Residential	1	66	45.5	49.4	49.9	48.9	50.4	51.5	51.6	50.8
920	16	M-2, 3, 31	B-Residential	1	66	44.9	48.8	49.3	48.3	49.8	51.1	51.1	50.3
921	16	M-2, 3, 31	B-Residential	1	66	44.4	48.3	48.9	48.1	49.3	50.7	50.6	49.9
922	16	M-2, 3, 31	B-Residential	1	66	44	47.9	48.7	47.9	49	50.2	50.3	49.5
923	16	M-2, 3, 31	B-Residential	1	66	45.2	49	49	48.6	49.7	50.6	50.5	49.9
924	16	M-2, 3, 31	B-Residential	1	66	45.8	49.6	49.2	48.6	49.8	50.9	50.8	50.2

I-69 Section 5 Predicted Sound Levels													
Receptor	NSA	Represented by NSA Measurement Site(s)	NAC-Land Use	Number of DU's	NAC	Existing Year	Design Year No Build	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Refined Preferred Alt 8
925	16	M-2, 3, 31	B-Residential	1	66	46.6	50.4	49.6	49	50.3	51.4	51.3	50.6
926	16	M-2, 3, 31	B-Residential	1	66	47.2	50.9	50	49.3	50.7	51.8	51.8	51
927	16	M-2, 3, 31	B-Residential	1	66	48	51.7	50.6	49.7	51.4	52.5	52.4	51.6
928	16	M-2, 3, 31	B-Residential	1	66	48.5	52.2	50.9	50	51.8	52.9	52.8	52
929	16	M-2, 3, 31	B-Residential	1	66	48.9	52.5	51	50.1	51.8	53.3	53.1	52.6
930	16	M-2, 3, 31	B-Residential	1	66	49.2	52.8	51.2	50.1	52.1	53.7	53.7	53.1
931	16	M-2, 3, 31	B-Residential	1	66	49.8	53.4	51.5	50.6	52.5	54.2	54.2	53.9
932	16	M-2, 3, 31	B-Residential	1	66	49.8	53.3	51.2	50.3	51.2	53.4	53.4	53.6
933	16	M-2, 3, 31	B-Residential	1	66	50	53.5	51.5	50.8	51.1	53.5	53.4	53.8
934	16	M-2, 3, 31	B-Residential	1	66	50	53.5	51.9	51.2	51.2	53.6	53.5	54.2
935	16	M-2, 3, 31	B-Residential	1	66	49.8	53.3	50.5	51.5	51.1	52.4	53.4	53.9
936	16	M-2, 3, 31	B-Residential	1	66	49.1	52.6	48.9	50.2	50.1	50.7	51.9	53.5
937	16	M-2, 3, 31	B-Residential	1	66	48.5	52	47.9	50.7	47.6	49.1	51.7	53.3
938	16	M-2, 3, 31	B-Residential	1	66	46.6	50.3	46.5	51.3	46.8	48.9	52.4	54.1
939	16	M-2, 3, 31	B-Residential	1	66	53.3	56.5	50.3	50.4	51.3	54.1	53.9	53.6
940	16	M-2, 3, 31	B-Residential	1	66	53.5	56.8	51	50.8	52.8	54.9	54.8	53.7
941	16	M-2, 3, 31	B-Residential	1	66	52.8	56.1	50.9	50.5	52.7	54.4	54.2	53.2
942	16	M-2, 3, 31	B-Residential	1	66	52.2	55.5	51	50.6	52.5	54	53.7	52.4
943	16	M-2, 3, 31	B-Residential	1	66	51.8	55.2	50.8	50.4	52.3	53.7	53.4	52
944	16	M-2, 3, 31	B-Residential	1	66	51.2	54.6	50.9	50.3	52.2	53.4	53.3	51.7
945	16	M-2, 3, 31	B-Residential	1	66	49.9	53.3	50.5	49.9	51.6	52.8	52.6	51.1
946	16	M-2, 3, 31	B-Residential	1	66	48.7	52.3	50.2	49.6	51.1	52.3	52.2	50.7
947	16	M-2, 3, 31	B-Residential	1	66	47.8	51.4	49.9	49.3	50.8	51.9	51.7	50.3
948	16	M-2, 3, 31	B-Residential	1	66	46.9	50.6	49.4	49.1	50.3	51.5	51.3	50
949	16	M-2, 3, 31	B-Residential	1	66	46.3	50.1	49.5	49.1	50.1	51.2	51	49.7
950	16	M-2, 3, 31	B-Residential	1	66	50	53.3	50.3	50.3	51.2	52.5	52.5	50.6
951	16	M-2, 3, 31	B-Residential	1	66	51	54.3	50.5	50.5	51.3	52.7	52.8	51
952	16	M-2, 3, 31	B-Residential	1	66	52.1	55.3	50.2	49.9	51.6	53	53	51.3
953	16	M-2, 3, 31	B-Residential	1	66	53.6	56.8	X	50.3	52	53.5	53.5	51.7
954	16	M-2, 3, 31	B-Residential	1	66	55.3	58.5	X	50.5	52.3	53.9	53.9	52.1
955	16	M-2, 3, 31	B-Residential	1	66	58.3	61.4	X	50.6	52.7	54.4	54.5	52.6
956	16	M-2, 3, 31	B-Residential	1	66	63.2	66.3	X	50.8	53.2	55	55.1	53
957	16	M-2, 3, 31	B-Residential	1	66	63.1	66.2	X	50.6	53.1	55.2	55.2	53.1
958	16	M-2, 3, 31	B-Residential	1	66	65.2	68.2	X	49.9	53.4	55.9	55.9	53.7
959	16	M-2, 3, 31	B-Residential	1	66	65.8	68.9	X	49.8	53.9	56.1	56.1	53.8
960	16	M-2, 3, 31	B-Residential	1	66	65.7	68.8	X	49.5	54.1	55.9	56	53.4
961	16	M-2, 3, 31	B-Residential	1	66	49.8	53.2	50	50.5	51.3	52.6	52.6	50.7
962	16	M-2, 3, 31	B-Residential	1	66	50.9	54.3	50	50.5	51.4	52.9	52.8	51
963	16	M-2, 3, 31	B-Residential	1	66	52.3	55.5	50.1	50.8	51.6	53.3	53.3	51.3
964	16	M-2, 3, 31	B-Residential	1	66	56.4	59.5	50.2	51	52.1	54	54.1	52
965	16	M-2, 3, 31	B-Residential	1	66	58.2	61.3	50.9	51.7	53.2	55.6	55.8	53.6
966	16	M-2, 3, 31	B-Residential	1	66	62.7	65.7	51.2	52.3	55.3	58.1	58.2	55.9
967	16	M-2, 3, 31	B-Residential	1	66	58.1	61.2	51.9	53.4	56.5	59.7	60.1	57.5
968	16	M-2, 3, 31	B-Residential	1	66	54.6	58	56.4	56.7	58.9	61.4	61.8	58.8
969	16	M-2, 3, 31	B-Residential	1	66	66.3	69.4	X	X	X	X	X	X
970	16	M-2, 3, 31	B-Residential	1	66	60.4	63.6	X	X	X	X	X	X
971	16	M-2, 3, 31	B-Residential	1	66	57.9	61.1	X	60.1	63.2	65.5	65.9	62.2
972	16	M-2, 3, 31	B-Residential	1	66	55.9	59.1	56.5	59.3	61.2	64.4	65	61.8
973	16	M-2, 3, 31	B-Residential	1	66	52.6	56	54.4	56.9	57.6	60.9	61.8	59.2
974	16	M-2, 3, 31	B-Residential	1	66	51.8	55.4	54.2	56.5	56.7	60	60.7	59.2
975	16	M-2, 3, 31	B-Residential	1	66	50.6	54.3	53.4	55.7	55.2	58.3	58.8	58.6
976	16	M-2, 3, 31	B-Residential	1	66	51.3	55.3	55.2	55.9	57.1	59.2	59.5	59.9
977	16	M-2, 3, 31	B-Residential	1	66	50.7	54.9	57.2	55.9	57.1	58.8	59	60.1
978	16	M-2, 3, 31	B-Residential	1	66	50.5	54.8	56.4	55.7	57.2	58.7	58.9	59.9
979	16	M-2, 3, 31	B-Residential	1	66	50.6	54.9	57	55.6	57.6	59	59.2	60
980	16	M-2, 3, 31	B-Residential	1	66	51.2	55.8	57.7	56.1	59.7	60.7	60.8	60.3
981	16	M-2, 3, 31	B-Residential	1	66	51.2	55.8	57.8	56.2	59.8	61.1	61.3	60.3

I-69 Section 5 Predicted Sound Levels

Receptor	NSA	Represented by NSA Measurement Site(s)	NAC-Land Use	Number of DU's	NAC	Existing Year	Design Year No Build	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Refined Preferred Alt 8
982	16	M-2, 3, 31	B-Residential	1	66	51.3	55.9	57.4	56	59.5	60.7	60.9	59.9
983	16	M-2, 3, 31	B-Residential	1	66	50.2	54.8	56.6	55.5	58.4	59.7	59.8	59.2
984	16	M-2, 3, 31	B-Residential	1	66	63.4	66.9	X	X	X	X	X	X
985	16	M-2, 3, 31	B-Residential	1	66	62.8	66	X	X	X	X	X	X
986	16	M-2, 3, 31	B-Residential	1	66	59	63.3	65.1	59.8	**67.3**	X	X	**66.5**
987	16	M-2, 3, 31	B-Residential	1	66	56.4	60.4	61.9	59.3	63.9	**67.6**	**67.9**	64.9
988	16	M-2, 3, 31	B-Residential	1	66	55.6	59.7	57.7	58.7	64.5	65.4	65.9	X
989	16	M-2, 3, 31	B-Residential	1	66	56.3	60.8	**67.1**	59.3	**67.9**	X	X	X
990	16	M-2, 3, 31	B-Residential	1	66	56.4	60.9	**66.2**	59.1	**67.3**	X	X	**66.7**
991	16	M-2, 3, 31	B-Residential	1	66	56.9	61.5	65.4	58.6	**66.9**	X	X	**66.3**
992	16	M-2, 3, 31	B-Residential	1	66	58.8	63.2	65.3	60.4	**66.9**	**68.8**	**68.9**	65.5
993	16	M-2, 3, 31	B-Residential	1	66	53.1	57.5	57.5	57	62.2	63.5	63.8	62.4
994	16	M-2, 3, 31	B-Residential	1	66	53	57.6	60.3	57.6	65.6	**66.9**	**67.1**	65.1
995	16	M-2, 3, 31	B-Residential	1	66	52.8	57.3	57.1	56.8	62.4	63.3	63.6	62.5
996	16	M-2, 3, 31	B-Residential	1	66	51.9	56.4	60.1	56.3	61.5	**66.1**	**66.3**	64
997	16	M-2, 3, 31	B-Residential	1	66	52.4	56.9	57	56	61.2	62.6	62.8	62.2
998	16	M-2, 3, 31	B-Residential	1	66	51.6	56.2	60.1	56.5	61.4	**66.5**	**66.5**	64.5
999	16	M-2, 3, 31	B-Residential	1	66	52.9	57.4	57.1	56.6	62.1	63.1	63.2	62.6
1000	16	M-2, 3, 31	B-Residential	1	66	55.8	60.9	58.9	55.4	65.3	**67.2**	**67.3**	64.2
1001	16	M-2, 3, 31	B-Residential	1	66	53.9	58.4	60.1	56.1	60.4	**66.6**	**66.7**	64.1
1002	16	M-2, 3, 31	B-Residential	1	66	52.8	57.6	56.9	55.9	61.2	62.6	62.7	62.5
1003	16	M-2, 3, 31	B-Residential	1	66	52.4	57	56.4	55.7	60.3	62	62.1	61.9
1004	16	M-2, 3, 31	B-Residential	1	66	52.1	56.8	59.1	56.9	60.3	**66.8**	**66.9**	63.2
1005	16	M-2, 3, 31	B-Residential	1	66	56.4	61.5	64	57.6	65.7	**68.4**	**68.6**	63.6
1006	16	M-2, 3, 31	B-Residential	1	66	57	62.1	64.8	57.9	**66.3**	**69.3**	**69.4**	62.6
1007	16	M-2, 3, 31	B-Residential	1	66	57.6	62.7	65.6	58.9	**66.8**	**69.9**	**70**	**66.2**
1008	16	M-2, 3, 31	B-Residential	1	66	58.6	63.6	**67.1**	63.1	**67.6**	**71.3**	**71.3**	**67.3**
1009	16	M-2, 3, 31	B-Residential	1	66	63.8	68.3	X	X	**71.6**	X	X	X
1010	16	M-2, 3, 31	B-Residential	1	66	58.5	63.5	55.9	57.2	**67.5**	**71.3**	**71.3**	**68.1**
1011	16	M-2, 3, 31	B-Residential	1	66	49.3	53.7	56.4	57.6	56.6	55.9	55.9	64
1012	16	M-2, 3, 31	B-Residential	1	66	48.5	53.1	55.2	56.4	56.2	55.6	55.6	61.7
1013	16	M-2, 3, 31	B-Residential	1	66	49.1	53.7	55	54.1	56.8	57	56.9	59.8
1014	16	M-2, 3, 31	B-Residential	1	66	47.5	52	53.8	54	55.1	55.3	55.2	57.6
1015	16	M-2, 3, 31	B-Residential	1	66	48	52.6	54	54	55.3	55.9	56	56.9
1016	16	M-2, 3, 31	B-Residential	1	66	47.5	51.9	52.6	53.2	54.7	55.2	55.3	55.6
1017	16	M-2, 3, 31	B-Residential	1	66	47.9	52.3	52.7	53.2	54.5	55.3	55.4	55.5
1018	16	M-2, 3, 31	B-Residential	1	66	48.1	52.5	53.2	53.2	54.8	55.7	55.7	55.3
1019	16	M-2, 3, 31	B-Residential	1	66	64.5	68.9	**74.1**	X	**72.1**	**75.5**	X	X
1020	16	M-2, 3, 31	B-Residential	1	66	59.5	64.4	65.4	65.8	**68.4**	**71.7**	**71.7**	**68.2**
1021	16	M-2, 3, 31	B-Residential	1	66	54.5	59.5	59.5	59.8	63.4	64.6	64.7	63.3
1022	16	M-2, 3, 31	B-Residential	1	66	50.1	55.2	54.6	55.3	57.3	57	57	60.5
1023	16	M-2, 3, 31	B-Residential	1	66	47.2	52.5	49.9	51.3	54.7	54.9	54.8	58.6
1024	16	M-2, 3, 31	B-Residential	1	66	44.8	48.6	50	51.2	51.2	51.5	51.4	56.8
1025	16	M-2, 3, 31	B-Residential	1	66	45.9	50	50.9	51.9	52.4	52.9	52.8	54.5
1026	16	M-2, 3, 31	B-Residential	1	66	47.3	51.5	52.3	53	53.7	54.1	54.2	54.8
1027	16	M-2, 3, 31	B-Residential	1	66	47.3	51.5	52.5	53.1	54	54.7	54.8	54.5
1028	16	M-2, 3, 31	B-Residential	1	66	65.4	69.8	X	X	**73.1**	X	X	X
1029	16	M-2, 3, 31	B-Residential	1	66	50.1	54.6	53.9	54	57.3	58.2	58.2	**66.7**
1030	16	M-2, 3, 31	B-Residential	1	66	54.4	59.5	58.5	58.5	63	64.6	64.6	65.5
1031	16	M-2, 3, 31	B-Residential	1	66	52.4	57.5	56.2	56.6	60.3	61.4	61.5	64.1
1032	16	M-2, 3, 31	B-Residential	1	66	50.8	55.7	54.6	54.6	58	57.9	57.9	61.9
1033	16	M-2, 3, 31	B-Residential	1	66	47.3	51.2	54.3	54.4	53.4	53.5	53.4	59.9

Red bold indicates FHWA NAC impact
Green bold indicates Substantial Increase Criteria Impact
Blue bold indicates both criteria are met
"X" indicates preliminary acquisition as part of the right-of way.