



Appendix A Viaducts

1.1 Introduction

The study area includes 48 locations where railroad bridges cross over roadways or pedestrian passages. A total of 37 viaduct locations were surveyed to document deficiencies in the lighting, drainage, roadway, sidewalks, and general structural conditions, as identified in the project’s Purpose and Need statement (see Chapter 1). Figure A-1 shows the locations of the viaducts surveyed.

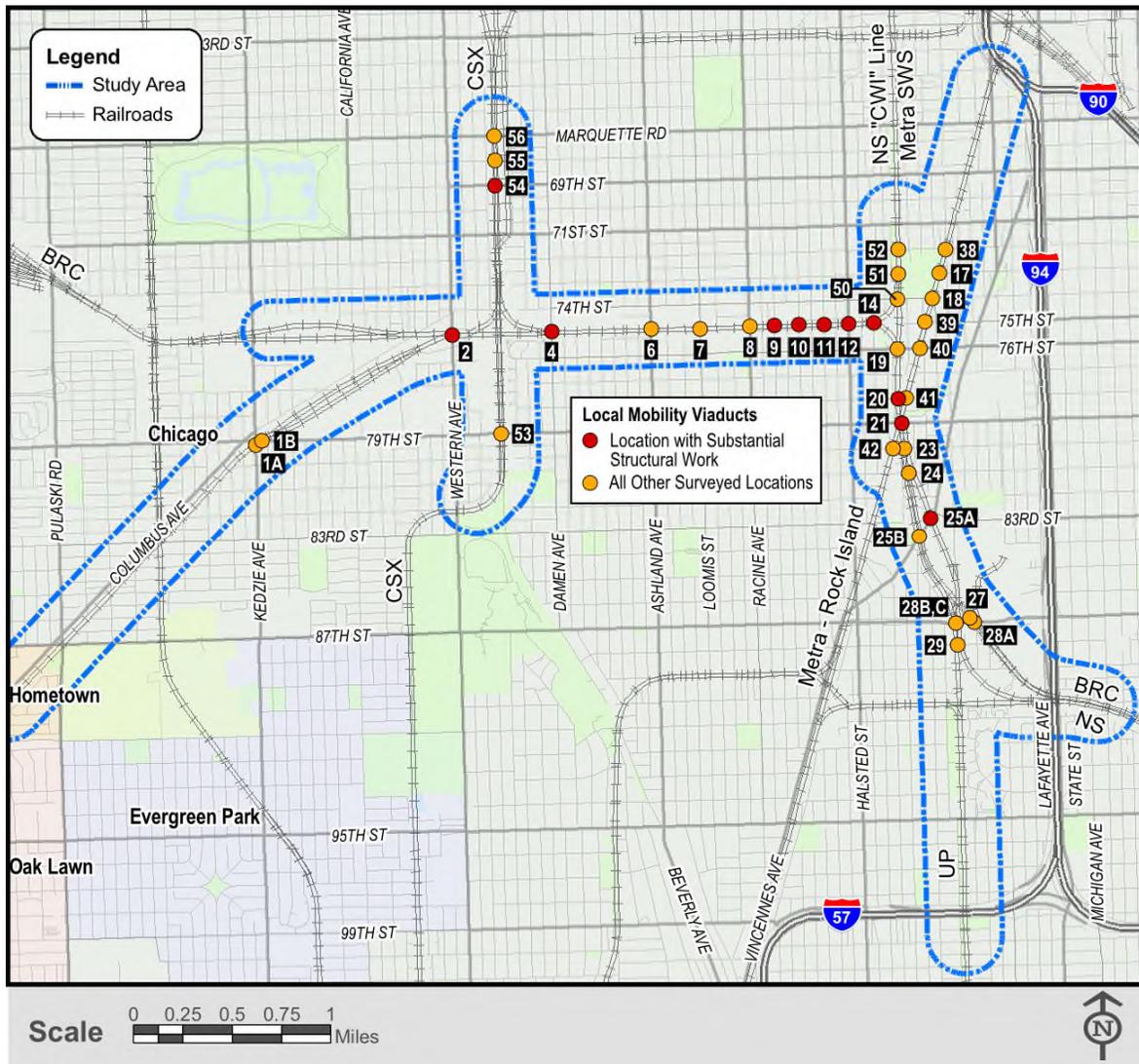


Figure A-1: Viaducts Included in Local Mobility Study

This appendix provides a series of tables summarizing the findings of the viaduct surveys and the preliminary estimated costs to correct the deficiencies. The field survey data forms themselves are voluminous, and have been kept with the project files.



1.1.1 Viaduct Construction Needs

The viaduct surveys found many deficiencies that would need to be addressed through reconstruction or replacement and which would be eligible for funding as a part of the 75th Street CIP. A description of these major reconstruction work items that could be incorporated into the project, and which are included as part of the Preferred Alternative, is as follows:

- ◆ Full replacement of viaduct lighting systems from existing orange sodium vapor lighting to white metal-halide lighting. This is the new standard for the City of Chicago.
- ◆ Roadway resurfacing or reconstruction where the pavement condition is rated below 6 out of 10 using the Pavement Surface Evaluation and Rating (PaSER) rating system^{1,2}, or where the existing pavement is brick.
- ◆ Sidewalk reconstruction where the condition is rated as fair or poor (as opposed to excellent or good).
- ◆ Sidewalk ramp construction where current Americans with Disabilities Act (ADA) guidelines³ are not met.
- ◆ Sewer reconstruction where cleaning proves to be insufficient to remedy the drainage problems.
- ◆ Inlet and catch basin construction where they are missing or collapsed.
- ◆ Bridge and abutment waterproofing where trackwork will allow access to the deck surface and underdrains behind abutments where there are substantial leaks.

These viaduct construction needs are summarized in Table A-1 through Table A-5.

The viaduct surveys were completed in November, 2010, and September, 2011, and construction needs shown in the following tables are based on conditions at that time.



Table A-1: Viaduct Construction Needs Summary – Pavement Condition

Structure No.	Location	Bridge Ownership	Pavement Type	Vertical Clearance (Standard 14'-6")	Pavement Condition (1=worst to 10=best)	Possible Pavement Work	Estimated Pavement Cost
1A	Kedzie Ave - South of 79th St	NS	Asphalt	13'-6"	8	---	\$ -
1B	79th St - East of Kedzie Ave	NS	Asphalt	13'-6"	8	---	\$ -
2	Western Ave - at 75th St	BRC/NS	Concrete	14'-0"	9	---	\$ -
4	Damen Ave - at 75th St	BRC/NS	Asphalt	13'-0"	7	---	\$ -
6	Ashland Ave - at 75th St	BRC/NS	Concrete	13'-10"	9	---	\$ -
7	Loomis Blvd - at 75th St	BRC/NS	Asphalt	11'-8"	5	Resurface Pavement	\$ 67,000
8	Racine Ave - at 75th St	BRC/NS	Asphalt	12'-8"	5	Resurface Pavement	\$ 68,000
9	Aberdeen St - at 75th St	BRC/NS	Asphalt	13'-8"	8	---	\$ -
10	Morgan St - at 75th St	BRC/NS	Asphalt	14'-4"	9	---	\$ -
11	Peoria St - at 75th St	BRC/NS	Concrete	12'-0"	3	Replace Pavement	\$ 346,000
12	Halsted St - at 75th St	BRC/NS	Asphalt	13'-10"	4	Replace Pavement	\$ 356,000
14	Union Ave - at 75th St	BRC/NS	Brick	11'-10"	Brick	Viaduct to be closed. Some portions of street included with project.	\$ -
17	73rd St Pedway - East of Hamilton Park	METRA	Concrete Path	Unknown	N/A	---	\$ -
18	74th St - East of Normal Ave	METRA	Asphalt	12'-8"	4	Resurface Pavement	\$ 43,000
19	76th St - West of Parnell Ave	BRC/NS	Asphalt	11'-6"	6	---	\$ -
20	78th St - East of Wallace St	BRC/NS	Concrete	11'-8"	5 (EB) 3 (WB)	Replace Pavement	\$ 266,000
21	79th St - East of Wallace St	BRC/NS	Asphalt	13'-10"	6(EB) 6 (WB)	---	\$ -
23	80th St - East of Wallace St	BRC/NS/UP	Brick	11'-8"	Brick	Replace Pavement	\$ 307,000
24	81st St - East of Wallace St	BRC/NS/UP	Asphalt	13'-8"	3 (EB) 4 (WB)	Resurface Pavement	\$ 88,000
25A	Vincennes Ave - South of 83rd St	NS	Asphalt	14'-0"	4	Resurface Pavement	\$ 67,000
25B	Vincennes Ave - North of 84th St	BRC/UP	Concrete (NB Outside lane asphalt)	14'-0"	6 (NB) 4 (SB)	Resurface NB Outside Lane	\$ 67,000



Structure No.	Location	Bridge Ownership	Pavement Type	Vertical Clearance (Standard 14'-6")	Pavement Condition (1=worst to 10=best)	Possible Pavement Work	Estimated Pavement Cost
27	Holland Rd - North of 87th St	BRC	Asphalt	11'-8"	8	---	\$ -
28A	87th St - East of Holland Rd	BRC	Concrete	12'-10"	9	---	\$ -
28B&C	87th St - East of Eggleston Ave	NS/UP	Concrete	12'-10"	9 (EB) 10 (WB)	---	\$ -
29	88th St - West of Harvard Ave	NS/UP	Asphalt	11'-8"	6	---	\$ -
38	72nd St - at Stewart Ave	METRA	Asphalt	12'-6"	8	---	\$ -
39	75th St - at Normal Ave	METRA	Asphalt	high	8	---	\$ -
40	76th St - at Normal Ave	METRA	Asphalt	11'-6"	6	---	\$ -
41	78th St - West of Fielding Ave	METRA	Concrete	11'-8"	3	Replace Pavement	\$ 265,000
42	80th St - West of Wallace St	METRA	Brick	11'-8"	Brick	Replace Pavement	\$ 271,000
50	74th St - West of Parnell Ave	NS	Asphalt	12'-10"	4	Resurface Pavement	\$ 42,000
51	73rd St Pedway - West of Hamilton Park	NS	Concrete Path	Unknown	N/A	---	\$ -
52	72nd St - West of Parnell Ave	NS	Asphalt	11'-6"	3	Replace Pavement	\$ 326,000
53	79th St - East of Oakley Ave	CSX	Asphalt/ WB concrete path	13'-0"	4	Resurface WB	\$ 73,000
54	69th St - East of Bell Ave	CSX	Asphalt	14'-2"	9	---	\$ -
55	68th St - East of Bell Ave	CSX	Brick	11'-10"	Brick	Replace Pavement	\$ 615,000
56	67th St (Marquette) - East of Bell Ave	CSX	Asphalt	12'-10"	8	---	\$ -
Pavement Total							\$ 3,267,000

Table A-2: Viaduct Construction Needs Summary – Sidewalks and ADA Curb Ramps

Structure No.	Location	Bridge Ownership	Sidewalk Deficiencies	Possible Sidewalk Work	Estimated Sidewalk Cost	ADA Ramp Deficiencies	Possible ADA Ramp Work	Estimated ADA Ramp Cost
1A	Kedzie Ave - South of 79th St	NS	---	---	\$ -	Zero of 9 ADA ramps meet standards	Construct 9 ramps	\$ 59,000
1B	79th St - East of Kedzie Ave	NS	Both Sides	Replace All	\$ 71,000	---	---	\$ -
2	Western Ave - at 75th St	BRC/NS	---	---	\$ -	Zero of 2 ADA ramps meet standards	Construct 2 ramps	\$ 13,000
4	Damen Ave - at 75th St	BRC/NS	---	---	\$ -	---	---	\$ -
6	Ashland Ave - at 75th St	BRC/NS	---	---	\$ -	Zero of 2 ADA ramps meet standards	Construct 2 ramps	\$ 13,000
7	Loomis Blvd - at 75th St	BRC/NS	---	---	\$ -	---	---	\$ -
8	Racine Ave - at 75th St	BRC/NS	---	---	\$ -	---	---	\$ -
9	Aberdeen St - at 75th St	BRC/NS	---	---	\$ -	---	---	\$ -
10	Morgan St - at 75th St	BRC/NS	---	---	\$ -	8 out of 10 ADA Ramps meet standards	Construct 2 ramps	\$ 13,000
11	Peoria St - at 75th St	BRC/NS	---	---	\$ -	9 out of 12 ADA Ramps meet standards	Construct 3 ramps	\$ 20,000
12	Halsted St - at 75th St	BRC/NS	---	---	\$ -	2 out of 5 ADA Ramps meet standards	Construct 3 ramps	\$ 20,000
14	Union Ave - at 75th St	BRC/NS	Both Sides	Viaduct to be closed. Some sidewalk included with project.	\$ -	Zero out of 4 ADA Ramps meet standards	Included with Project	\$ -
17	73rd St Pedway - East of Hamilton Park	METRA	Yes	Replace	\$ 47,000	4 of 8 ADA ramps meet standards	Construct 4 Ramps	\$ 26,000
18	74th St - East of Normal Ave	METRA	Both Sides	Replace	\$ 58,000	Zero of 3 ADA ramps meet standards	Construct 3 Ramps	\$ 20,000



Structure No.	Location	Bridge Ownership	Sidewalk Deficiencies	Possible Sidewalk Work	Estimated Sidewalk Cost	ADA Ramp Deficiencies	Possible ADA Ramp Work	Estimated ADA Ramp Cost
19	76th St - West of Parnell Ave	BRC/NS	Both Sides	Replace All	\$ 71,000	Zero of 10 ADA ramps meet standards	Construct 10 ramps	\$ 65,000
20	78th St - East of Wallace St	BRC/NS	Both Sides	Replace All	\$ 53,000	---	---	\$ -
21	79th St - East of Wallace St	BRC/NS	---	---	\$ -	2 of 4 ADA ramps meet standards	Construct 2 ramps	\$ 13,000
23	80th St - East of Wallace St	BRC/NS/UP	---	---	\$ -	Zero of 2 ADA ramps meet standards	Construct 2 ramps	\$ 13,000
24	81st St - East of Wallace St	BRC/NS/UP	South Side	Replace south	\$ 71,000	Zero of 2 ADA ramps meet standards	Construct 2 ramps	\$ 13,000
25A	Vincennes Ave - South of 83rd St	NS	Both Sides	Replace All	\$ 82,000	Zero of 4 ADA ramps meet standards	Construct 4 ramps	\$ 26,000
25B	Vincennes Ave - North of 84th St	BRC/UP	Both Sides	Replace All	\$ 90,000	4 of 6 ADA ramps at Parnell meet standards	Construct 2 ramps	\$ 13,000
27	Holland Rd - North of 87th St	BRC	---	---	\$ -	---	---	\$ -
28A	87th St - East of Holland Rd	BRC	---	---	\$ -	---	---	\$ -
28B&C	87th St - East of Eggleston Ave	NS/UP	---	---	\$ -	---	---	\$ -
29	88th St - West of Harvard Ave	NS/UP	---	---	\$ -	Zero of 8 ADA ramps meet standards	Construct 8 Ramps	\$ 52,000
38	72nd St - at Stewart Ave	METRA	---	---	\$ -	Zero of 4 ADA ramps meet standards	Construct 4 Ramps	\$ 26,000
39	75th St - at Normal Ave	METRA	Both Sides	Replace All	\$ 19,000	4 of 6 ADA ramps meet standards	Construct 2 Ramps	\$ 13,000
40	76th St - at Normal Ave	METRA	Both Sides	Replace All	\$ 19,000	3 of 9 ADA ramps meet standards	Construct 6 Ramps	\$ 39,000
41	78th St - West of Fielding Ave	METRA	Both Sides	Partial Replace	\$ 30,000	4 of 8 ADA ramps meet standards	Construct 4 Ramps	\$ 26,000
42	80th St - West of Wallace St	METRA	---	---	\$ -	Zero of 4 ADA ramps meet standards	Construct 4 ramps	\$ 26,000

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Structure No.	Location	Bridge Ownership	Sidewalk Deficiencies	Possible Sidewalk Work	Estimated Sidewalk Cost	ADA Ramp Deficiencies	Possible ADA Ramp Work	Estimated ADA Ramp Cost
50	74th St - West of Parnell Ave	NS	Both Sides	Replace	\$ 55,000	---	---	\$ -
51	73rd St Pedway - West of Hamilton Park	NS	---	---	\$ -	Zero of 2 ADA ramps meet standards	Construct 2 Ramps	\$ 13,000
52	72nd St - West of Parnell Ave	NS	North Side	Replace North	\$ 69,000	---	---	\$ -
53	79th St - East of Oakley Ave	CSX	---	---	\$ -	---	---	\$ -
54	69th St - East of Bell Ave	CSX	---	---	\$ -	Zero of 4 ADA ramps meet standards	Construct 4 Ramps	\$ 26,000
55	68th St - East of Bell Ave	CSX	---	---	\$ -	Zero of 5 ADA ramps meet standards, 1 ramp missing	Construct 6 Ramps	\$ 39,000
56	67th St (Marquette) - East of Bell Ave	CSX	---	---	\$ -	6 of 6 ADA ramps meet standards	---	\$ -
Sidewalk Totals					\$ 735,000	ADA Ramp Totals		\$ 587,000



Table A-3: Viaduct Construction Needs Summary – Inlet and Sewer Drainage

Structure No.	Location	Bridge Ownership	Inlet & Sewer Deficiencies	Possible Inlet & Sewer Work	Estimated Inlet & Sewer Cost
1A	Kedzie Ave - South of 79th St	NS	---	---	\$ -
1B	79th St - East of Kedzie Ave	NS	---	---	\$ -
2	Western Ave - at 75th St	BRC/NS	---	---	\$ -
4	Damen Ave - at 75th St	BRC/NS	Inlet in SE corner collapsed	Rebuild Collapsed Inlet	\$ 13,000
6	Ashland Ave - at 75th St	BRC/NS	---	---	\$ -
7	Loomis Blvd - at 75th St	BRC/NS	Clogged inlet in SE corner	Possible reconstruct sewer	\$ 5,000
8	Racine Ave - at 75th St	BRC/NS	Inlet not at curb line	Rebuild During Resurfacing	\$ 13,000
9	Aberdeen St - at 75th St	BRC/NS	---	---	\$ -
10	Morgan St - at 75th St	BRC/NS	---	---	\$ -
11	Peoria St - at 75th St	BRC/NS	Evidence of ponding on pavement in NE and NW corners	Possible reconstruct sewer	\$ 42,000
12	Halsted St - at 75th St	BRC/NS	Ponding in pavement along SB lanes & long both east and west gutters	Possible reconstruct sewer	\$ 61,000
14	Union Ave - at 75th St	BRC/NS	Ponding in NW, NE, and SE corners. Drainage structures in NW and SE corners clogged	To be closed	\$ -
17	73rd St Pedway - East of Hamilton Park	METRA	---	---	\$ -
18	74th St - East of Normal Ave	METRA	Ponding two spots, missing CB cover	Clean, replace cover, and possible reconstruct sewer	\$ 26,000
19	76th St - West of Parnell Ave	BRC/NS	---	---	\$ -
20	78th St - East of Wallace St	BRC/NS	Reconstruct w/Sidewalk Repairs	Clean & Repair Inlets	\$ 19,000
21	79th St - East of Wallace St	BRC/NS	---	---	\$ -
23	80th St - East of Wallace St	BRC/NS/UP	Clogged inlets NE and SE corners, collapsed CB in NW corner	Repair Catch basins, Possible Reconstruct Sewer	\$ 18,000
24	81st St - East of Wallace St	BRC/NS/UP	Clogged inlet in NW corner, ponding in WB lane at NE corner	Possible Reconstruct Sewer	\$ 64,000
25A	Vincennes Ave - South of 83rd St	NS	Clogged inlet in SW corner	Possible reconstruct sewer	\$ 5,000
25B	Vincennes Ave - North of 84th St	BRC/UP	Water ponding along curb and in up to 1/2 of the northbound lane	Add New Inlet to Improve Drainage	\$ 50,000

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Structure No.	Location	Bridge Ownership	Inlet & Sewer Deficiencies	Possible Inlet & Sewer Work	Estimated Inlet & Sewer Cost
27	Holland Rd - North of 87th St	BRC	---	---	\$ -
28A	87th St - East of Holland Rd	BRC	---	---	\$ -
28B&C	87th St - East of Eggleston Ave	NS/UP	---	---	\$ -
29	88th St - West of Harvard Ave	NS/UP	---	---	\$ -
38	72nd St - at Stewart Ave	METRA	---	---	\$ -
39	75th St - at Normal Ave	METRA	Water ponding along curb and on sidewalk	Add New Inlet to Improve Drainage	\$ 50,000
40	76th St - at Normal Ave	METRA	---	---	\$ -
41	78th St - West of Fielding Ave	METRA	Ponding on pavement	Possible reconstruct sewer	\$ 74,000
42	80th St - West of Wallace St	METRA	Ponding on pavement at one CB	Possible reconstruct sewer	\$ 13,000
50	74th St - West of Parnell Ave	NS	Ponding on pavement	Possible reconstruct sewer	\$ 14,000
51	73rd St Pedway - West of Hamilton Park	NS	---	---	\$ -
52	72nd St - West of Parnell Ave	NS	Two filled CBs	Possible reconstruct sewer	\$ 3,000
53	79th St - East of Oakley Ave	CSX	---	---	\$ -
54	69th St - East of Bell Ave	CSX	Low Point - Water on pavement at one CB	Possible reconstruct sewer	\$ 2,000
55	68th St - East of Bell Ave	CSX	Missing CB cover	Clean and replace cover	\$ 3,000
56	67th St (Marquette) - East of Bell Ave	CSX	Ponding on pavement	Possible construct sewer	\$ 18,000
Inlet and Sewer Totals					\$ 493,000



Table A-4: Viaduct Construction Needs Summary – Bridge and Abutment Drainage

Structure No.	Location	Bridge Ownership	Bridge Drainage Deficiencies	Possible Bridge Drainage Work	Estimated Bridge Deck Waterproofing Cost	Estimated Bridge Abutment Drainage Cost	Total Estimated Bridge Drainage Cost
1A	Kedzie Ave - South of 79th St	NS	---	---	\$ -	\$ -	\$ -
1B	79th St - East of Kedzie Ave	NS	Minor water staining on abutment	None	\$ -	\$ -	\$ -
2	Western Ave - at 75th St	BRC/NS	Minor water staining on east abutment	None	\$ -	\$ -	\$ -
4	Damen Ave - at 75th St	BRC/NS	---	---	\$ -	\$ -	\$ -
6	Ashland Ave - at 75th St	BRC/NS	Minor water staining on east abutment	None	\$ -	\$ -	\$ -
7	Loomis Blvd - at 75th St	BRC/NS	Water staining on east abutment, water standing on walkway	Waterproof Deck with Track Work	\$ 364,000	\$ -	\$ 364,000
8	Racine Ave - at 75th St	BRC/NS	water staining on abutments	Waterproof Deck with Track Work	\$ 364,000	\$ -	\$ 364,000
9	Aberdeen St - at 75th St	BRC/NS	water staining on abutments	Waterproof Deck with Track Work	\$ 364,000	\$ -	\$ 364,000
10	Morgan St - at 75th St	BRC/NS	---	---	\$ -	\$ -	\$ -
11	Peoria St - at 75th St	BRC/NS	---	---	\$ -	\$ -	\$ -
12	Halsted St - at 75th St	BRC/NS	Water staining on abutments	Waterproof Deck with Track Work	\$ 364,000	\$ -	\$ 364,000
14	Union Ave - at 75th St	BRC/NS	Water leaking through Deck and Abutment	To be closed	\$ -	\$ -	\$ -
17	73rd St Pedway - East of Hamilton Park	METRA	---	---	\$ -	\$ -	\$ -
18	74th St - East of Normal Ave	METRA	---	---	\$ -	\$ -	\$ -
19	76th St - West of Parnell Ave	BRC/NS	Water leaking through Deck and Abutment	Waterproof Deck with Track Work	\$ 312,000	\$ -	\$ 312,000
20	78th St - East of Wallace St	BRC/NS	Water leaking	Waterproof Deck	\$ 312,000	\$ -	\$ 312,000

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Structure No.	Location	Bridge Ownership	Bridge Drainage Deficiencies	Possible Bridge Drainage Work	Estimated Bridge Deck Waterproofing Cost	Estimated Bridge Abutment Drainage Cost	Total Estimated Bridge Drainage Cost
			through Deck and Abutment	with Track Work			
21	79th St - East of Wallace St	BRC/NS	Water leaking through Deck and Abutment	Place New Wall Drains	\$ -	\$ 49,000	\$ 49,000
23	80th St - East of Wallace St	BRC/NS/UP	Water leaking through Deck and Abutment	Waterproof Deck & Abutment Place New Wall Drains	\$ 312,000	\$ 49,000	\$ 361,000
24	81st St - East of Wallace St	BRC/NS/UP	Water leaking through Deck and Abutment	Waterproof Deck & Abutment	\$ 312,000	\$ -	\$ 312,000
25A	Vincennes Ave - South of 83rd St	NS	Water leaking through Deck and Abutment	Waterproof Deck & Abutment	\$ 312,000	\$ -	\$ 312,000
25B	Vincennes Ave - North of 84th St	BRC/UP	Water leaking through Deck and Abutment	Waterproof Deck & Abutment and New Underdrains	\$ 520,000	\$ 62,000	\$ 582,000
27	Holland Rd - North of 87th St	BRC	---	---	\$ -	\$ -	\$ -
28A	87th St - East of Holland Rd	BRC	---	---	\$ -	\$ -	\$ -
28B&C	87th St - East of Eggleston Ave	NS/UP	Water leaking through Deck and Abutment	Waterproof Deck & Abutment	\$ 104,000	\$ -	\$ 104,000
29	88th St - West of Harvard Ave	NS/UP		---	\$ -	\$ -	\$ -
38	72nd St - at Stewart Ave	METRA	---	---	\$ -	\$ -	\$ -
39	75th St - at Normal Ave	METRA	Water leaking through Deck and Abutment	Waterproof Deck & Abutment	\$ 208,000	\$ 24,000	\$ 232,000
40	76th St - at Normal Ave	METRA	---	---	\$ -	\$ -	\$ -
41	78th St - West of Fielding Ave	METRA	Water leaking	Waterproof Deck	\$ 208,000	\$ -	\$ 208,000



Structure No.	Location	Bridge Ownership	Bridge Drainage Deficiencies	Possible Bridge Drainage Work	Estimated Bridge Deck Waterproofing Cost	Estimated Bridge Abutment Drainage Cost	Total Estimated Bridge Drainage Cost
			through Deck and Abutment	& Abutment			
42	80th St - West of Wallace St	METRA	---	---	\$ -	\$ -	\$ -
50	74th St - West of Parnell Ave	NS	---	---	\$ -	\$ -	\$ -
51	73rd St Pedway - West of Hamilton Park	NS	---	---	\$ -	\$ -	\$ -
52	72nd St - West of Parnell Ave	NS	---	---	\$ -	\$ -	\$ -
53	79th St - East of Oakley Ave	CSX	Minor leakage at abutments	New Bridge Underdrains	\$ -	\$ 38,000	\$ 38,000
54	69th St - East of Bell Ave	CSX	---	---	\$ -	\$ -	\$ -
55	68th St - East of Bell Ave	CSX	---	---	\$ -	\$ -	\$ -
56	67th St (Marquette) - East of Bell Ave	CSX	---	---	\$ -	\$ -	\$ -
						Bridge Drainage Totals	\$ 4,278,000

Table A-5: Viaduct Construction Needs Summary – Lighting

Structure No.	Location	Bridge Ownership	Luminaires			Non-functional Fixtures	Estimated Replacement Cost
			Roadway	Pedestrian	Total		
1A	Kedzie Ave - South of 79th St	NS	8	0	8	1	\$16,000
1B	79th St - East of Kedzie Ave	NS	8	12	20	0	\$39,000
2	Western Ave - at 75th St	BRC/NS	16	14	30	0	\$59,000
4	Damen Ave - at 75th St	BRC/NS	10	10	20	0	\$39,000
6	Ashland Ave - at 75th St	BRC/NS	8	8	16	0	\$32,000
7	Loomis Blvd - at 75th St	BRC/NS	10	6	16	16	\$32,000
8	Racine Ave - at 75th St	BRC/NS	12	10	22	0	\$43,000
9	Aberdeen St - at 75th St	BRC/NS	8	8	16	0	\$32,000
10	Morgan St - at 75th St	BRC/NS	8	8	16	0	\$32,000
11	Peoria St - at 75th St	BRC/NS	8	8	16	6	\$32,000
12	Halsted St - at 75th St	BRC/NS	8	6	14	8	\$28,000
14	Union Ave - at 75th St	BRC/NS	12	12	24	7	\$0
17	73rd St Pedway - East of Hamilton Park	METRA	0	6	6	6	\$12,000
18	74th St - East of Normal Ave	METRA	8	6	14	0	\$28,000
19	76th St - West of Parnell Ave	BRC/NS	14	14	28	2	\$55,000
20	78th St - East of Wallace St	BRC/NS	12	12	24	12	\$47,000
21	79th St - East of Wallace St	BRC/NS	10	13	23	1	\$45,000
23	80th St - East of Wallace St	BRC/NS/UP	13	10	23	1	\$45,000
24	81st St - East of Wallace St	BRC/NS/UP	15	12	27	4	\$53,000
25A	Vincennes Ave - South of 83rd St	NS	6	7	13	0	\$26,000
25B	Vincennes Ave - North of 84th St	BRC/UP	38	38	76	3	\$149,000
27	Holland Rd - North of 87th St	BRC	10	10	20	0	\$39,000
28A	87th St - East of Holland Rd	BRC	6	8	14	7	\$28,000
28B&C	87th St - East of Eggleston Ave	NS/UP	4	4	8	2	\$16,000
29	88th St - West of Harvard Ave	NS/UP	4	6	10	3	\$20,000
38	72nd St - at Stewart Ave	METRA	6	6	12	0	\$24,000
39	75th St - at Normal Ave	METRA	8	8	16	2	\$32,000



Structure No.	Location	Bridge Ownership	Luminaires			Non-functional Fixtures	Estimated Replacement Cost
			Roadway	Pedestrian	Total		
40	76th St - at Normal Ave	METRA	10	10	20	3	\$39,000
41	78th St - West of Fielding Ave	METRA	10	9	19	3	\$38,000
42	80th St - West of Wallace St	METRA	7	8	15	1	\$30,000
50	74th St - West of Parnell Ave	NS	12	10	22	2	\$43,000
51	73rd St Pedway - West of Hamilton Park	NS	0	6	6	0	\$12,000
52	72nd St - West of Parnell Ave	NS	10	12	22	5	\$43,000
53	79th St - East of Oakley Ave	CSX	8	6	14	0	\$28,000
54	69th St - East of Bell Ave	CSX	45	38	83	4	\$162,000
55	68th St - East of Bell Ave	CSX	43	40	83	6	\$162,000
56	67th St (Marquette) - East of Bell Ave	CSX	30	0	30	3	\$59,000
Lighting Totals			445	401	846	108	\$1,619,000

Endnotes:

¹ Walker, Donald. Tech. *Pavement Surface Evaluation and Rating - Asphalt PASER Manual*. Wisconsin Transportation Information Center, 2002. Web. 31 Oct. 2011. <<http://www.dot.state.il.us/blr/p017.pdf>>.

² Walker, Donald. Tech. *Pavement Surface Evaluation and Rating - Concrete PASER Manual*. Wisconsin Transportation Information Center, 2002. Web. 31 Oct. 2011. <<http://www.dot.state.il.us/blr/p016.pdf>>.

³ United States Access Board. *Proposed Accessibility Guidelines for Pedestrian Facilities in the Public Right-of-Way*. 26 July 2011. Web. 31 Oct. 2011. <<http://www.access-board.gov/prowac/nprm.pdf>>.