APPENDIX D:
Capital Improvement Plan

City of Brooklyn Center

2019 CAPITAL IMPROVEMENT PROGRAM

PROFILE

The 2019-33 Capital Improvement Plan (CIP) is a planning document that presents a fifteen-year overview of scheduled capital projects to address the City's goals for maintaining public infrastructure. The CIP includes a long-term financing plan that allows the City to allocate funds for these projects based on assigned priorities. The fifteen-year horizon of the CIP provides the City with an opportunity to evaluate project priorities annually and to adjust the timing, scope and cost of projects as new information becomes available. The information contained in this plan represents an estimate of improvement costs based on present knowledge and expected conditions. Changes in community priorities, infrastructure condition and inflation rates require that adjustments be made on a routine basis.

A capital improvement is defined as a major non-recurring expenditure related to the City's physical facilities and grounds. The 2019-2033 CIP makes a concerted effort to distinguish between major maintenance projects contained in the City's operating budgets and capital improvement projects financed through the City's capital funds and proprietary funds. Typical expenditures include the cost to construct roads, utilities, parks, or municipal structures.

The CIP is predicated on the goals and policies established by the City Council, including the general development, redevelopment and maintenance policies that are part of the City's Comprehensive Plan. A primary objective of the CIP is to identify projects that further these goals and policies in a manner consistent with funding opportunities and in coordination with other improvement projects.

CIP Project Types

The CIP proposes capital expenditures totaling approximately $201.35 million over the next 15 years for improvements to the City's streets, parks, public utilities and municipal buildings. A brief description of the four functional areas is provided below.

Public Utilities

The City operates four utility systems, all of which have projects included in the CIP - water, sanitary sewer, storm drainage and street lighting. A vast majority of the public utility improvements are constructed in conjunction with street reconstruction projects. The remaining portion of public utilities projects include improvements to water supply wells, water towers, lift stations, force mains and storm water treatment system.

Street Improvements

Street improvements include reconstruction or resurfacing of neighborhood (local), collector and arterial streets. Proposed improvements include the installation or reconstruction of curb and gutter along public roadways. As noted earlier, street improvements are often accompanied by replacement of public utilities.

Park Improvements

Park improvements include the construction of trails, shelters, playground equipment, athletic field lighting and other facilities that enhance general park appearance and increase park usage by providing recreational facilities that meet community needs.

Capital Maintenance Building Improvements
Capital maintenance building improvements include short and long term building and facility improvements identified in the 18-year Capital Maintenance Building Program approved in 2007.

CIP Funding Sources

Capital expenditures by funding source for the fifteen-year period are shown in Table 1 and Figure 1. Major funding sources are described below.

Public Utility Funds
Customers are billed for services provided by the City's water, sanitary sewer, storm sewer and street lighting public utilities. Fees charged to customers are based on operating requirements and capital needs to ensure that equipment and facilities are replaced to maintain basic utility services. Annually the City Council evaluates the needs of each public utility system and establishes rates for each system to meet those needs.

Special Assessments
Properties benefiting from street and storm sewer improvements are assessed a portion of the project costs in accordance with the City's Special Assessment Policy. Every year the City Council establishes special assessment rates for projects occurring the following year. Rates are typically adjusted annually to maintain the relative proportion of special assessments to other funding sources.

Street Reconstruction Fund
The Street Reconstruction Fund provides for the cost of local street improvements along roadways that are not designated as Municipal State Aid (MSA) routes. The revenue for this fund is generated from franchise fees charged for the use of public right-of-way by natural gas and electric utility companies. Debt was issued in 2018 to supplement this fund and is expected to again be issued in future years to maintain the current reconstruction plan.

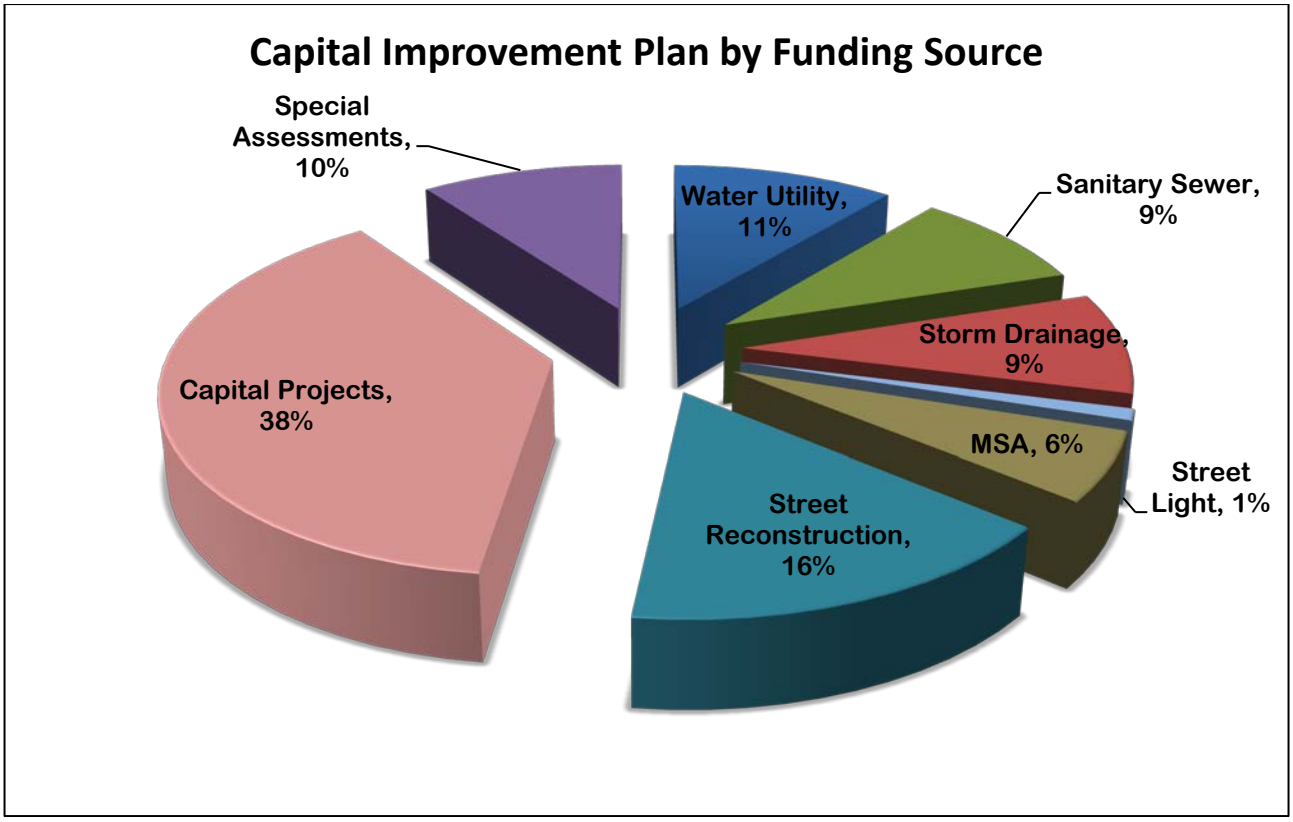
MSA Fund
State-shared gas taxes provide funding for street improvements and related costs for those roadways identified as MSA streets. The City has 21 miles of roadway identified as MSA streets and is therefore eligible to receive funding based on this designation. The annual amount available in 2019 is estimated to be $1,070,000 and provides for maintenance and construction activities within the City's MSA street system.

Capital Projects Funds
The City Council adopted a Capital Project Funding Policy in January 2014, to provide reoccurring sources of funding for the City's Capital Projects Funds. The Policy specifically identifies three main funding sources including: audited year-end General Fund unassigned fund balance above 52 percent of the next year's General Fund operating budget; audited year-end Liquor Fund unrestricted cash balance that exceeds three and a half months of the next year's operating budget and one year of budgeted capital equipment needs; and Local Governmental Aid (LGA) received in the amount of $650,000 or half of the amount received by the City (whichever is greater). Other funding sources in this category include grants, park district funding, watershed funding, federal and state funding and county funding as determined on a project by project basis. Typically the City Council has directed these funds towards municipal facilities such as parks, trails, public buildings and other general purpose needs.

TABLE 1. 2019-2033 Capital Improvement Plan - Summary by Funding Source

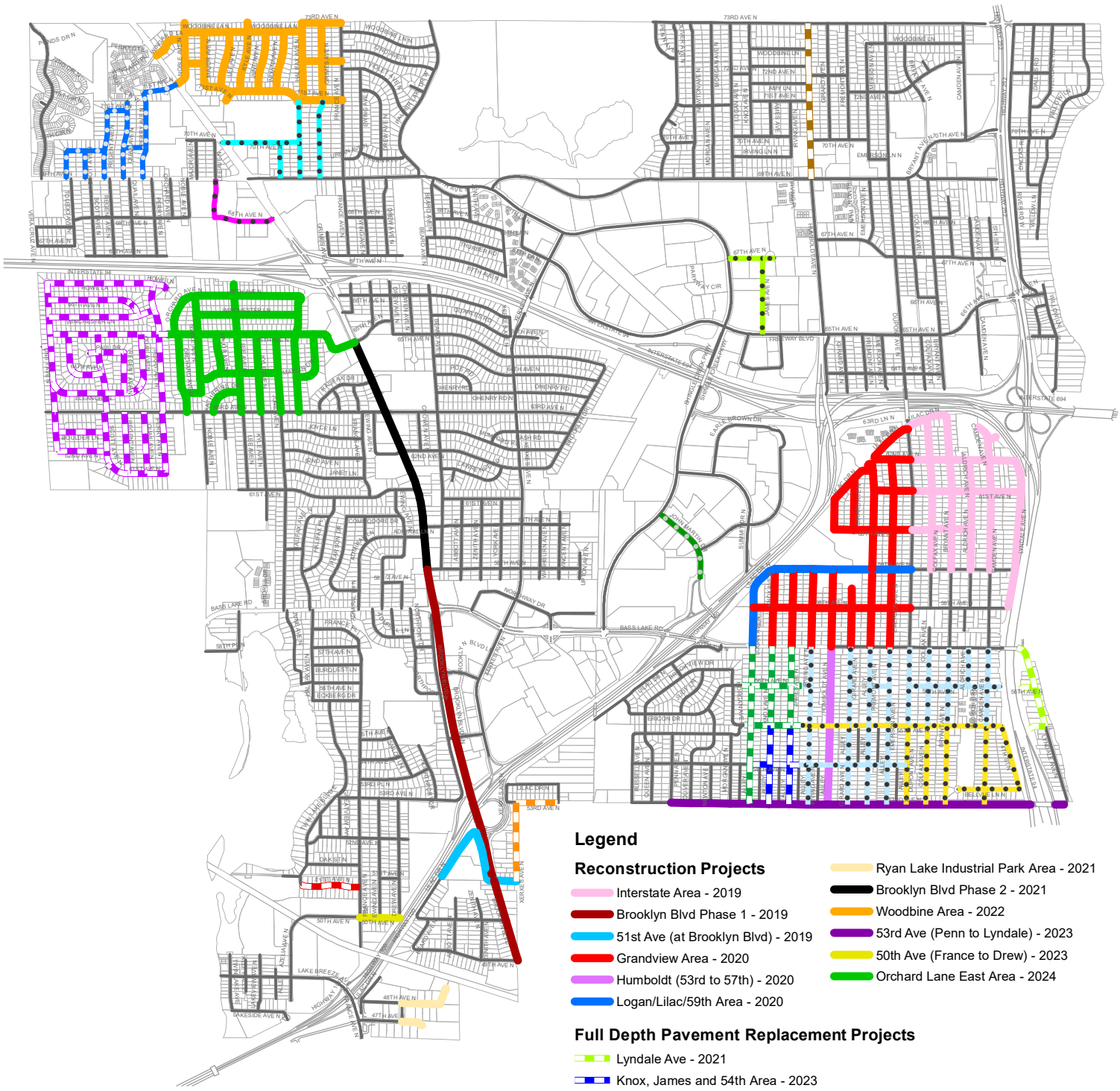
	Total Funding Need 15-yr	Average Annual Funding Need	Percent of Total Need
Water Utility	$22,143,300	$1,476,220	11%
Sanitary Sewer Utility	$18,255,100	$1,217,007	9%
Storm Drainage Utility	$18,404,000	$1,226,933	9%
Street Lighting Utility	$1,898,000	$126,533	1%
Municipal State Aid	$11,504,000	$766,933	6%
Street Reconstruction Fund	$32,070,305	$2,138,020	16%
Capital Projects Fund	$77,378,500	$5,158,567	38%
Special Assessment Collections	$19,698,295	$1,313,220	10%
TOTAL	$201,351,500	$13,423,433	100%

FIGURE 1. 2019-2033 Capital Improvement Plan – Overview of Project and Funding Sources



CIP PROJECT AREAS

2019 - 2026



Legend

Reconstruction Projects

- Interstate Area - 2019
- Brooklyn Blvd Phase 1 - 2019
- 51st Ave (at Brooklyn Blvd) - 2019
- Grandview Area - 2020
- Humboldt (53rd to 57th) - 2020
- Logan/Lilac/59th Area - 2020
- Ryan Lake Industrial Park Area - 2021
- Brooklyn Blvd Phase 2 - 2021
- Woodbine Area - 2022
- 53rd Ave (Penn to Lyndale) - 2023
- 50th Ave (France to Drew) - 2023
- Orchard Lane East Area - 2024

Full Depth Pavement Replacement Projects

- Lyndale Ave - 2021
- Knox, James and 54th Area - 2023
- 51st Ave (West of France) - 2023
- Humboldt Ave - 2024
- Orchard Lane West Area - 2025
- 53rd and Xerxes Area - 2025
- Meadowlark Gardens Area - 2026

Mill and Overlay Projects

- Bellvue Area - 2019
- Southeast Area - 2019
- Northwest Area - 2021
- 67th and James Area - 2026
- 68th and Lee Area - 2026
- John Martin Drive - 2026
- St Alphonses Aera - 2026

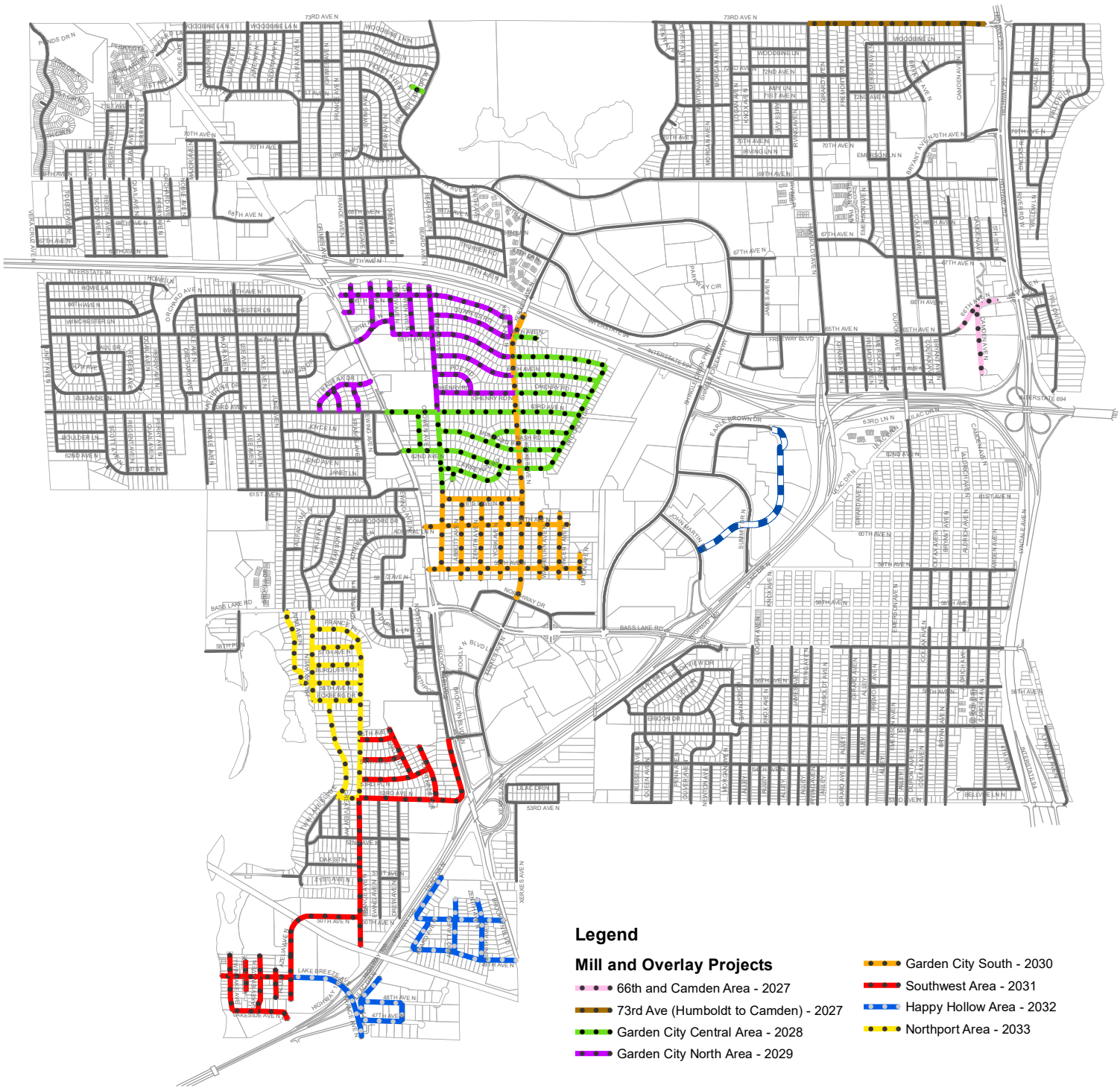
Completed Construction (92.5 Miles - 87.6% since 1993)

BROOKLYN CENTER AT THE CENTER

November 2018

CIP PROJECT AREAS

2027 - 2033



BROOKLYN CENTER AT THE CENTER

November 2018

Table 2
Capital Improvement Program (2019 - 2033)
November 20, 2018

Project	Special Assessments	Street Reconst. Fund	MSA Fund	Storm Drainage Utility	Sanitary Sewer Utility	Water Utility	Street Light Utility	Capital Projects Funds		Total Project Cost
2019										
Interstate Area Improvements	$1,440,000	$3,440,000	$0	$1,670,000	$1,750,000	$2,600,000	$90,000	$0		$10,990,000
Bellvue Area Mill and Overlay	$250,000	$790,000	$160,000	$390,000	$60,000	$40,000	$0	$0		$1,690,000
Southeast Area Mill and Overlay	$1,370,000	$730,000	$90,000	$590,000	$120,000	$70,000	$0	$0		$2,970,000
Brooklyn Boulevard Corridor Project (49th Ave. to Bass Lk Rd)	$0	$0	$0	$482,000	$86,000	$333,000	$155,000	$16,018,000	(A)	$17,074,000
51st Avenue Improvements (at Brooklyn Blvd)	$28,295	$340,305	$120,000	$133,000	$77,100	$70,300	$0	$0		$769,000
Bridge Rehab (4 bridges)	$0	$226,000	$0	$0	$0	$0	$0	$0		$226,000
Park Playground Equip Replacement	$0	$0	$0	$0	$0	$0	$0	$476,000		$476,000
Connections at Shingle Creek Phase 2 (Creek Stabilization Project)		$0	$0	$96,000	$0	$0	$0	$287,000	(B)	$383,000
70th Avenue Storm Sewer Trunk Line Rehabilitation	$0	$0	$0	$328,000	$0	$0	$0	$0		$328,000
Storm Water Ponds 26-004,26-006,35-003 & 35-004 Rehab	$0	$0	$0	$149,000	$0	$0	$0	$0		$149,000
Lift Station No. 2 Rehabilitation and Miss. River Trunk Sewer Lining		$0	$0	$0	$850,000	$0	$0	$0		$850,000
Well Nos. 2 and 3 Rehabilitation	$0	$0	$0	$0	$0	$140,000	$0	$0		$140,000
CMBP: Public Works - Roof Replacement	$0	$0	$0	$0	$0	$0	$0	$583,000		$583,000
CMBP: Civic Center - Generator Replacement	$0	$0	$0	$0	$0	$0	$0	$114,000		$114,000
CMBP: Public Works - Lobby and mechanics room remodel	$0	$0	$0	$0	$0	$0	$0	$250,000		$250,000
2019 Subtotal	$3,088,295	$5,526,305	$370,000	$3,838,000	$2,943,100	$3,253,300	$245,000	$17,728,000		$36,992,000
NOTES: (A) Federal funding ($7,420,000), Hennepin County ($4,199,000), Minneapolis ($111,000), Three Rivers Park District ($10,000), Xcel Utility Surcharge ($280,000) TIF District 2 Fund ($525,000) City Capital Improvements Fund ($3,473,000). (B) Watershed funding estimated at 75% ($287k) and 25% City funding ($96k)										
2020										
Grandview Park Area Improvements	$1,900,000	$3,910,000	$370,000	$1,910,000	$1,760,000	$2,320,000	$140,000	$0		$12,310,000
Humboldt Ave (CR 57) Reconstruction (53rd to 57th)	$390,000	$0	$200,000	$110,000	$330,000	$320,000	$20,000	$700,000	(C)	$2,070,000
Logan/Lilac/59th Avenues Reconstruction	$400,000	$0	$1,290,000	$120,000	$10,000	$280,000	$20,000	$0		$2,120,000
Miscellaneous Retaining Wall Replacements	$0	$0	$0	$0	$0	$0	$0	$364,000		$364,000
Brooklyn Blvd City Entrance Signs Rehab	$0	$0	$0	$0	$0	$0	$0	$53,000		$53,000
Park Playground Equip Replacement	$0	$0	$0	$0	$0	$0	$0	$501,000		$501,000
Lift Station No. 8 Rehabilitation	$0	$0	$0	$0	$258,000	$0	$0	$0		$258,000
Water Tower No. 1 Painting	$0	$0	$0	$0	$0	$950,000	$0	$0		$950,000
Well No. 5 Rehabilitation	$0	$0	$0	$0	$0	$74,000	$0	$0		$74,000
Storm Water Pond 40-001 Rehab	$0	$0	$0	$258,000	$0	$0	$0	$0		$258,000
2020 Subtotal	$2,690,000	$3,910,000	$1,860,000	$2,398,000	$2,358,000	$3,944,000	$180,000	$1,618,000		$18,958,000
NOTES: (C) Anticipated Hennepin County funding share - Humboldt Ave is a county road (CR 57)										
2021										
Ryan Lake Industrial Park Area Improvements	$290,000	$300,000	$0	$190,000	$160,000	$290,000	$10,000	$0		$1,240,000
Northwest Area Mill and Overlay	$210,000	$550,000	$0	$390,000	$120,000	$200,000	$50,000	$0		$1,520,000
Lyndale Avenue Improvements	$50,000	$230,000	$160,000	$90,000	$140,000	$20,000	$20,000	$0		$710,000
Brooklyn Boulevard Corridor Phase 2 - Bass Lk Rd to I-94	$0	$0	$700,000	$240,000	$90,000	$180,000	$0	$13,603,000	(D)	$14,813,000
Traffic Sig Sys Rehab (Shingle Creek Pkwy/Summit)	$0	$67,000	$201,000	$0	$0	$0	$0	$0		$268,000
Traffic Sig Sys Rehab. (Shingle Crk Pkwy/John Martin)	$0	$67,000	$201,000	$0	$0	$0	$0	$0		$268,000
Park Playground Equip Replacement	$0	$0	$0	$0	$0	$0	$0	$528,000		$528,000
61st & Perry Avenues Storm Sewer Improvement	$0	$0	$0	$170,000	$0	$0	$0	$0		$170,000
65th Avenue Trunk Storm Sewer Rehabilitation	$0	$0	$0	$464,000	$0	$0	$0	$0		$464,000
Lift Station No. 9 Rehabilitation	$0	$0	$0	$0	$265,000	$0	$0	$0		$265,000
Lift Station No. 9 Force Main Replacement	$0	$0	$0	$0	$305,000	$0	$0	$0		$305,000
Well No. 10 and High Service Pump (HSP) Rehab (BW)	$0	$0	$0	$0	$0	$93,000	$0	$0		$93,000
CMBP: Civic Center - Cooling Replace (Chillers/condensers)	$0	$0	$0	$0	$0	$0	$0	$110,000		$110,000
2021 Subtotal	$550,000	$1,214,000	$1,262,000	$1,544,000	$1,080,000	$783,000	$80,000	$14,241,000		$20,754,000
NOTES: (D) Brooklyn Boulevard Corridor Imp. funding estimated at 75% outside source ($11,466,000) and worst case 25% by the City Capital Improvements Fund ($2,137,000)										

Table 2
Capital Improvement Program (2019 - 2033)
November 20, 2018

Project	Special Assessments	Street Reconst. Fund	MSA Fund	Storm Drainage Utility	Sanitary Sewer Utility	Water Utility	Street Light Utility	Capital Projects Funds		Total Project Cost
2022										
Woodbine Area Improvements	$1,620,000	$1,750,000	$150,000	$490,000	$1,340,000	$2,450,000	$130,000	$0		$7,930,000
TH 252/66th Interchange and 70th Pedestrian Overpass	$0	$0	$0	$0	$0	$0	$0	$35,000,000	(E)	$35,000,000
Miscellaneous Park Parking Lot Mill and Overlay	$0	$0	$0	$0	$0	$0	$0	$553,000		$553,000
West River Rd, Arboretum, Freeway, Palmer Lake & Northport Trail Replacements		$0	$0	$0	$0	$0	$0	$533,000		$533,000
Storm Water Ponds 12-001, 12-006 & 57-003 Rehab	$0	$0	$0	$118,000	$0	$0	$0	$0		$118,000
Freeway and Highway Utility Crossing Replacement	$0	$0	$0	$0	$173,000	$344,000	$0	$0		$517,000
Well No. 7 and Water Treatment Plant HSP No. 1	$0	$0	$0	$0	$0	$96,000	$0	$0		$96,000
CMBP: E&W Fire - Roof Replacement	$0	$0	$0	$0	$0	$0	$0	$335,000		$335,000
CMBP: Public Works - Lighting System Upgrade	$0	$0	$0	$0	$0	$0	$0	$90,000		$90,000
CMBP: Civic Center - Air Handlers #4, #5 Replace	$0	$0	$0	$0	$0	$0	$0	$62,000		$62,000
CMBP: West Fire - Rooftop Unit Replacement	$0	$0	$0	$0	$0	$0	$0	$55,000		$55,000
CMBP: Public Works - Furnace Replacements (3)	$0	$0	$0	$0	$0	$0	$0	$50,000		$50,000
2022 Subtotal	$1,620,000	$1,750,000	$150,000	$608,000	$1,513,000	$2,890,000	$130,000	$36,678,000		$45,339,000
NOTES: (E) Provisional project: funding estimated outside source ($29,500,000) and City Capital Improvements Fund ($5,500,000)										
2023										
53rd Avenue Improvements (Penn Ave to Lyndale Ave)	$30,000	$0	$2,380,000	$400,000	$100,000	$460,000	$140,000	$0		$3,510,000
50th Avenue Improvements (France Ave to Drew Ave)	$50,000	$100,000	$0	$30,000	$20,000	$140,000	$0	$0		$340,000
51st Avenue Improvements (west of France Avenue)	$150,000	$130,000	$0	$50,000	$10,000	$10,000	$20,000	$0		$370,000
Knox, James and 54th Ave. Area Improvements	$260,000	$460,000	$0	$210,000	$20,000	$10,000	$0	$0		$960,000
Earle Brown/Opportunity Area Street Light Replacement	$0	$0	$0	$0	$0	$0	$253,000	$0		$253,000
Evergreen Park Score Board Improvements	$0	$0	$0	$0	$0	$0	$0	$140,000		$140,000
Lift Station Nos. 3 and 4 Rehabilitation	$0	$0	$0	$0	$563,000	$0	$0	$0		$563,000
Well Nos. 4 and 9; Water Treatment Plant HSP No. 2	$0	$0	$0	$0	$0	$180,000	$0	$0		$180,000
Storm Water Pond 48-001 Rehab	$0	$0	$0	$202,000	$0	$0	$0	$0		$202,000
CMBP: City Hall/CC Addition - Roof Replacement	$0	$0	$0	$0	$0	$0	$0	$334,000		$334,000
2023 Subtotal	$490,000	$690,000	$2,380,000	$892,000	$713,000	$800,000	$413,000	$474,000		$6,852,000
2024										
Orchard Lane East Improvements	$2,460,000	$2,700,000	$0	$280,000	$1,390,000	$2,960,000	$160,000	$0		$9,950,000
Humboldt Ave Improvements	$320,000	$0	$380,000	$70,000	$290,000	$170,000	$30,000	$0		$1,260,000
Centennial Park Softball Field Improvements	$0	$0	$0	$0	$0	$0	$0	$562,000		$562,000
Well Nos. 6 and 8; Water Treatment Plant HSP No. 3	$0	$0	$0	$0	$0	$185,000	$0	$0		$185,000
CMBP: Police - Roof Replacement	$0	$0	$0	$0	$0	$0	$0	$219,000		$219,000
2024 Subtotal	$2,780,000	$2,700,000	$380,000	$350,000	$1,680,000	$3,315,000	$190,000	$781,000		$12,176,000
2025										
Orchard Lane West Area Improvements	$3,550,000	$2,910,000	$0	$210,000	$1,600,000	$170,000	$200,000	$0		$8,640,000
53rd and Xerxes Avenue Improvements	$80,000	$370,000	$0	$110,000	$0	$0	$60,000	$0		$620,000
Traffic Sig Sys Rehab.(Shingle Crk Pkwy/Brookdale Sq)	$0	$100,000	$202,000	$0	$0	$0	$0	$0		$302,000
Park Name Sign Replacements	$0	$0	$0	$0	$0	$0	$0	$70,000		$70,000
Well Nos. 2 and 3; Water Treatment Plant HSP No. 4	$0	$0	$0	$0	$0	$190,000	$0	$0		$190,000
Water Meter Full System Replacement	$0	$0	$0	$0	$500,000	$1,500,000	$0	$0		$2,000,000
Storm Water Pond 17-001 Rehab	$0	$0	$0	$154,000	$0	$0	$0	$0		$154,000
CMBP: Public Works Cold - Roof Replacement	$0	$0	$0	$0	$0	$0	$0	$101,000		$101,000
CMBP: Public Works Salt - Roof Replacement	$0	$0	$0	$0	$0	$0	$0	$48,000		$48,000
2025 Subtotal	$3,630,000	$3,380,000	$202,000	$474,000	$2,100,000	$1,860,000	$260,000	$219,000		$12,125,000

Table 2
Capital Improvement Program (2019 - 2033)
November 20, 2018

Project	Special Assessments	Street Reconst. Fund	MSA Fund	Storm Drainage Utility	Sanitary Sewer Utility	Water Utility	Street Light Utility	Capital Projects Funds		Total Project Cost
2026										
Meadowlark Gardens Area Improvements	$950,000	$700,000	$380,000	$170,000	$80,000	$320,000	$120,000	$0		$2,720,000
67th Avenue and James Avenue Mill and Overlay	$160,000	$110,000	$0	$110,000	$10,000	$10,000	$20,000	$0		$420,000
68th Avenue and Lee Avenue Mill and Overlay	$130,000	$90,000	$0	$80,000	$10,000	$10,000	$20,000	$0		$340,000
John Martin Drive Mill and Overlay	$100,000	$0	$120,000	$30,000	$10,000	$10,000	$60,000	$0		$330,000
St. Alphonses Area Mill and Overlay	$400,000	$190,000	$0	$230,000	$40,000	$20,000	$50,000	$0		$930,000
Hockey Rink Rehabilitation/Replacements	$0	$0	$0	$0	$0	$0	$0	$205,000		$205,000
Irrigation Systems Rehabilitation/Replacements	$0	$0	$0	$0	$0	$0	$0	$137,000		$137,000
Lift Station Nos. 5 and 6 Rehabilitation	$0	$0	$0	$0	$606,000	$0	$0	$0		$606,000
Well No. 5 and Water Treatment Plant HSP (BW)	$0	$0	$0	$0	$0	$107,000	$0	$0		$107,000
Storm Water Ponds 41-001, 41-002 & 53-001 Rehab	$0	$0	$0	$138,000	$0	$0	$0	$0		$138,000
CMBP: West Fire - Generator/Transfer Replacement	$0	$0	$0	$0	$0	$0	$0	$130,000		$130,000
2026 Subtotal	$1,740,000	$1,090,000	$500,000	$758,000	$756,000	$477,000	$270,000	$472,000		$6,063,000
2027										
Earle Brown Drive Area Improvements	$50,000	$1,360,000	$510,000	$110,000	$20,000	$20,000	$0	$0		$2,070,000
66th Avenue and Camden Avenue Mill and Overlay	$20,000	$630,000	$360,000	$70,000	$10,000	$10,000	$0	$0		$1,100,000
73rd Avenue Mill and Overlay (Humboldt to Camden)	$50,000	$0	$200,000	$40,000	$20,000	$10,000	$0	$0		$320,000
Softball/Baseball Fence Replacement	$0	$0	$0	$0	$0	$0	$0	$62,000		$62,000
69th Avenue Trail Reconstruction	$0	$0	$0	$0	$0	$0	$0	$208,000		$208,000
69th Avenue Landscape Rehabilitation	$0	$0	$0	$0	$0	$0	$0	$139,000		$139,000
Well No. 10 and Water Treatment Plant HSP No. 1	$0	$0	$0	$0	$0	$108,000	$0	$0		$108,000
CMBP: Police - Main Condenser	$0	$0	$0	$0	$0	$0	$0	$54,000		$54,000
CMBP: Police - Generator/Transfer Replacement	$0	$0	$0	$0	$0	$0	$0	$155,000		$155,000
2027 Subtotal	$120,000	$1,990,000	$1,070,000	$220,000	$50,000	$148,000	$0	$618,000		$4,216,000
2028										
Garden City Central Area Mill and Overlay	$710,000	$1,660,000	$260,000	$880,000	$370,000	$100,000	$0	$0		$3,980,000
Park Trail and Parking Lot Lighting Improvements	$0	$0	$0	$0	$0	$0	$0	$380,000		$380,000
Well No. 7 and Water Treatment Plant HSP No. 2	$0	$0	$0	$0	$0	$110,000	$0	$0		$110,000
Emergency Responder Radio Replacement (Police/Fire/PW)	$0	$0	$0	$0	$0	$0	$0	$600,000		$600,000
CMBP: City Hall - Ribbon Window Replacement	$0	$0	$0	$0	$0	$0	$0	$70,000		$70,000
CMBP: Community Center - Ribbon Window Replacement	$0	$0	$0	$0	$0	$0	$0	$95,000		$95,000
CMBP: Police - Carpet Replacement	$0	$0	$0	$0	$0	$0	$0	$50,000		$50,000
2028 Subtotal	$710,000	$1,660,000	$260,000	$880,000	$370,000	$210,000	$0	$1,195,000		$5,285,000
2029										
Garden City North Area Mill and Overlay	$600,000	$2,230,000	$0	$2,710,000	$570,000	$510,000	$0	$0		$6,620,000
Retaining Wall Replacement (miscellaneous locations)	$0	$0	$0	$0	$0	$0	$0	$117,000		$117,000
Lift Station Nos. 7 and 10 Rehabilitation	$0	$0	$0	$0	$634,000	$0	$0	$0		$634,000
Well Nos. 4 and 9 and Water Treatment Plant HSP No. 3	$0	$0	$0	$0	$0	$203,000	$0	$0		$203,000
Storm Water Ponds 11-001, 59-003, 60-003, 63-001, 63-002 & 64-001 Rehab		$0	$0	$116,000	$0	$0	$0	$0		$116,000
CMBP: City Hall - Main Switch Gear Replacement	$0	$0	$0	$0	$0	$0	$0	$212,000		$212,000
CMBP: Community Center - Carpet Replacement	$0	$0	$0	$0	$0	$0	$0	$50,000		$50,000
2029 Subtotal	$600,000	$2,230,000	$0	$2,826,000	$1,204,000	$713,000	$0	$379,000		$7,952,000

Table 2
Capital Improvement Program (2019 - 2033)
November 20, 2018

Project	Special Assessments	Street Reconst. Fund	MSA Fund	Storm Drainage Utility	Sanitary Sewer Utility	Water Utility	Street Light Utility	Capital Projects Funds		Total Project Cost
2030										
Garden City South Area Mill and Overlay	$480,000	$2,370,000	$860,000	$1,170,000	$710,000	$1,590,000	$10,000	$0		$7,190,000
Sanitary Sewer Lining (Miss. River Trunk N. of I-694 to 70th/Willow)		$0	$0	$0	$1,514,000	$0	$0	$0		$1,514,000
Lift No. 2 Forcemain Lining (Under I-94)	$0	$0	$0	$0	$249,000	$0	$0	$0		$249,000
Well Nos. 6 and 8; Water Treatment Plant HSP No. 4	$0	$0	$0	$0	$0	$206,000	$0	$0		$206,000
Storm Water Ponds 57-004 & 57-005 Rehab	$0	$0	$0	$83,000	$0	$0	$0	$0		$83,000
CMBP: City Hall - Brick Veneer Restoration	$0	$0	$0	$0	$0	$0	$0	$103,000		$103,000
CMBP: Community Center - Brick Veneer Restoration	$0	$0	$0	$0	$0	$0	$0	$162,000		$162,000
2030 Subtotal	$480,000	$2,370,000	$860,000	$1,253,000	$2,473,000	$1,796,000	$10,000	$265,000		$9,507,000
2031										
Southwest Area Mill and Overlay	$550,000	$1,330,000	$960,000	$770,000	$500,000	$1,120,000	$70,000	$0		$5,300,000
Park Bleacher Replacement	$0	$0	$0	$0	$0	$0	$0	$62,000		$62,000
Lift Station No. 1 Generator Replacement	$0	$0	$0	$0	$205,000	$0	$0	$0		$205,000
Well Nos. 2 and 3 and Water Treatment Plant HSP (BW)	$0	$0	$0	$0	$0	$209,000	$0	$0		$209,000
Storm Water Pond 26-005 & 70-002 Rehab	$0	$0	$0	$67,000	$0	$0	$0	$0		$67,000
CMBP: East/West Fire - Epoxy Floor Replacement	$0	$0	$0	$0	$0	$0	$0	$92,000		$92,000
CMBP: Public Works - Exterior Paint	$0	$0	$0	$0	$0	$0	$0	$80,000		$80,000
CMBP: Public Works - Make Up Air (2) Replacement	$0	$0	$0	$0	$0	$0	$0	$130,000		$130,000
2031 Subtotal	$550,000	$1,330,000	$960,000	$837,000	$705,000	$1,329,000	$70,000	$364,000		$6,145,000
2032										
Happy Hollow Mill and Overlay	$300,000	$1,060,000	$260,000	$680,000	$200,000	$340,000	$50,000			$2,890,000
Park Bleacher Replacement	$0	$0	$0	$0	$0	$0	$0	$82,000		$82,000
Brooklyn Blvd Street Light Replacement (65th to BP Border)	$0	$0	$0	$0	$0	$0	$0	$881,000		$881,000
Well No. 5 and Water Treatment Plant HSP No. 1	$0	$0	$0	$0	$0	$117,000	$0	$0		$117,000
Storm Water Pond12-002, 12-004, 12-005 & 18-001 Rehab	$0	$0	$0	$366,000	$0	$0	$0	$0		$366,000
CMBP: Public Works - Main Switch Gear Replacement	$0	$0	$0	$0	$0	$0	$0	$180,000		$180,000
CMBP: Public Works - Generator/Transfer Replacement	$0	$0	$0	$0	$0	$0	$0	$140,000		$140,000
2032 Subtotal	$300,000	$1,060,000	$260,000	$1,046,000	$200,000	$457,000	$50,000	$1,283,000		$4,656,000
2033										
Northport Area Mill and Overlay	$350,000	$1,000,000	$480,000	$480,000	$110,000	$50,000	$0			$2,470,000
Traffic Sig Sys Rehab.(65th Avenue/Dupont Ave)	$0	$0	$340,000	$0	$0	$0	$0	$0		$340,000
Traffic Sig Sys Rehab.(66th Ave/Camden Ave)	$0	$170,000	$170,000	$0	$0	$0	$0	$0		$340,000
Evergreen Park Football/Soccer Field Improvements	$0	$0	$0	$0	$0	$0	$0	$135,000		$135,000
Well No. 10 and Water Treatment Plant HSP No. 2	$0	$0	$0	$0	$0	$118,000	$0	$0		$118,000
Self Contained Breathing Apparatus (SCBA) Replacement (Fire)	$0	$0	$0	$0	$0	$0	$0	$612,500		$612,500
CMBP: Public Works - Make Up Air (2) Replacement	$0	$0	$0	$0	$0	$0	$0	$76,000		$76,000
CMBP: East/West Fire - Overhead Door Replacements	$0	$0	$0	$0	$0	$0	$0	$170,000		$170,000
CMBP: Community Center - Sauna Reconstruction	$0	$0	$0	$0	$0	$0	$0	$70,000		$70,000
2033 Subtotal	$350,000	$1,170,000	$990,000	$480,000	$110,000	$168,000	$0	$1,063,500		$4,331,500
TOTALS	$19,698,295	$32,070,305	$11,504,000	$18,404,000	$18,255,100	$22,143,300	$1,898,000	$77,378,500		$201,351,500

PROJECT DESCRIPTIONS
2019-2033 Capital Improvement Program

City of Brooklyn Center

Table of Contents

Street and Utility Improvements

Interstate Area Improvements - 2019

The Interstate project area extends from Interstate 94 to 59th Avenue and from Dupont Avenue to Lyndale Avenue. The total project length is 17,343-feet. The neighborhood consists of approximately 237 residential properties (R1).

Streets
The majority of the streets in the project area were originally constructed in 1968 and 1969. Existing streets are generally 30-feet wide with concrete curb and gutter. The street pavement is showing signs of distress throughout most of the neighborhood. Proposed street improvements consist of the replacement of curb and gutter as necessary and placement of bituminous street pavement.

Water main
The existing water main in the project area consists of 6-inch and 8-inch diameter CIP installed in 1969. Colfax Avenue contains a 24-inch steel water main installed in 1964. A majority of the existing water main is believed to have a cement based internal liner. Water records indicate one main break has occurred within the neighborhood and three properties have experienced frozen water service in past winters. In 2019, the water main system will be in service for 50 to 55 years. Cast iron water main is highly vulnerable to leaks and breaks when disturbed by replacement of adjacent sanitary sewer. The current project estimate assumes complete replacement of the water main to facilitate the sanitary sewer replacement noted below.

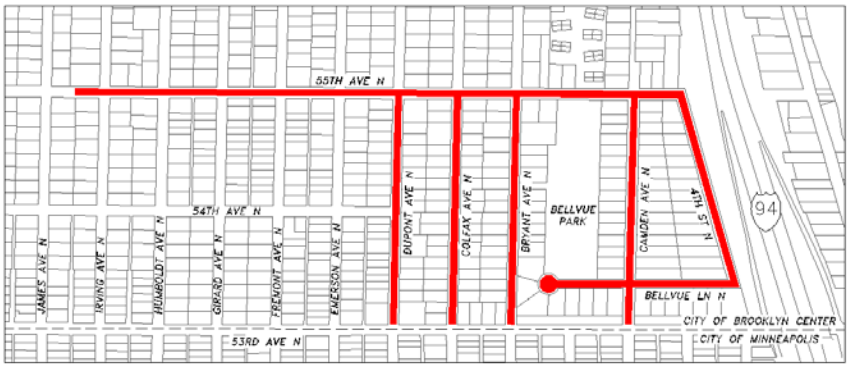
Sanitary Sewer
The sanitary sewer in the project area consists of 8-inch diameter VCP installed in 1960. Approximately 95 percent of the sanitary sewer is subjected to frequent problems with root intrusion. Root sawing must be performed on an annual basis to maintain the system conveyance capacity. The condition of the sanitary sewer system within the neighborhood is rated as poor. Complete replacement of all sanitary sewer pipes and access structures are proposed as part of the project.

Storm Sewer
A majority of the storm water runoff from the project area is collected in the existing storm sewer system and conveyed to the storm trunk line on 59th Avenue and then to the Mississippi River. The trunk storm sewer along 59th Avenue and an in-line water quality treatment device was installed in 2009 as part of the Aldrich Neighborhood Street and Utility Improvement project. The current project cost estimate assumes complete reconstruction of the storm drainage system within the neighborhood due to the need to increased capacity of local storm sewers and the expansion of the system to address minor local flooding issues.

Street Lighting
The existing street light system is overhead power, with wood poles and a cobra head light fixture. The current cost estimate includes replacing the 15 wood poles with 15 fiberglass poles with a cut-off type LED light fixture and underground power.

Bellvue Area Mill and Overlay - 2019

The Bellvue project area extends from Dupont Avenue to 4th Street and 53rd Avenue to 55th Avenue. The project area also includes 55th Avenue from James Avenue to 4th Street. The area contains a total of 10,858 linear feet of local streets. The project area consists of approximately 165 residential properties, three multi-family properties, two business properties and one church property.



Streets

Dupont Avenue is designated as a MSA Route. The Bellvue area was last reconstructed in 1998. The streets are generally 30-feet wide with concrete curb and gutter. The current cost estimate assumes street improvements that consist of approximately 10 percent concrete replacement and a 2-inch mill and overlay.

Water main

Approximately 15 percent of the water main in the Bellvue area was replaced with DIP in 1998 when the neighborhood was reconstructed. The remaining water main in the area consists of 6-inch to 10-inch diameter CIP and 16-inch steel water main installed between 1964 and 1982. Water records indicate seven main breaks have occurred within the neighborhood and seven properties have experienced a frozen water service in past winters. The current project cost estimate includes casting replacement only.

Sanitary Sewer

All sanitary sewer in the project area was replaced with 8-inch and 10-inch PVC when the neighborhood was reconstructed in 1998. Approximately 5 percent of the sanitary sewer is subjected to frequent problems with root intrusion. Root sawing must be performed on an annual basis to maintain the system conveyance capacity. The current project cost estimate includes casting replacement only.

Storm Sewer

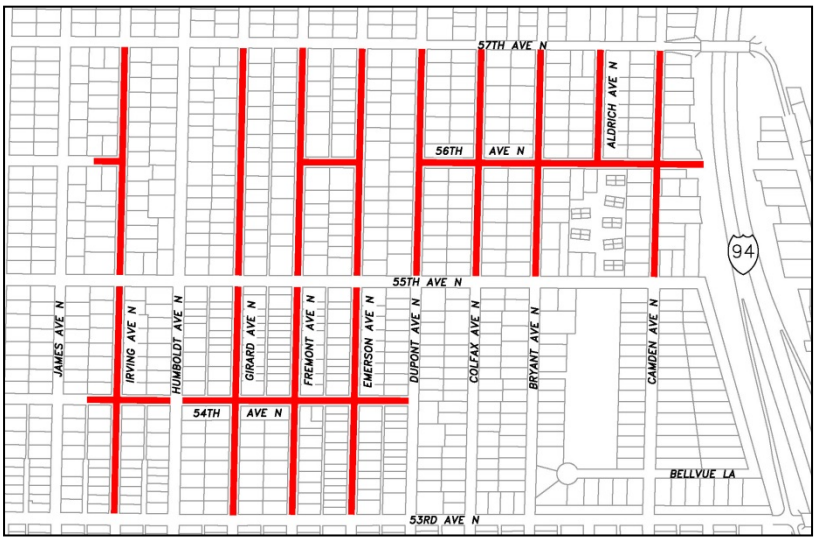
The storm sewer in the Bellvue project area flows to two trunk lines on 55th Avenue and then east to the Mississippi River. Approximately 75 percent of the storm sewer in this area was installed in 1998, including one of the trunk lines on 55th Avenue. This storm sewer consists of 12-inch to 54-inch diameter pipe. The remaining storm sewer is a second trunk line that runs along 55th Avenue. This trunk line consists of 30-inch to 42-inch RCP that was installed in 1952. The current project cost estimate includes casting replacement only.

Street Lighting

The existing street light system is overhead power, with a combination of wood poles with cobra head light fixtures and fiberglass poles with rectilinear fixtures. The current cost estimate includes no street light replacement.

Southeast Area Mill and Overlay - 2019

The Southeast project area extends from Interstate 94 to Irving Avenue between 57th Avenue and 55th Avenue, and from Dupont Avenue to Irving Avenue between 55th Avenue and 53rd Avenue. The area contains a total of 20,364 linear feet of local streets. The project area consists of approximately 401 single-family residential properties and six multi-family properties.



Streets

Dupont Avenue is designated as a MSA Route. The Southeast area was last reconstructed in 1999. Dupont Avenue is 33-feet wide and the remaining streets are generally 30-feet wide with concrete curb and gutter. The current cost estimate assumes street improvements that consist of approximately 10 percent concrete replacement and a 2-inch mill and overlay.

Water main

Approximately two percent of the water main in the Southeast area was replaced with DIP in 1999 when the neighborhood was reconstructed. The remaining water main in the area consists of 6-inch and 8-inch diameter CIP installed between 1964 and 1969. Water records indicate five main breaks have occurred within the neighborhood and six properties have experienced frozen water services in past winters. The current project cost estimate includes casting replacement only.

Sanitary Sewer

All of the sanitary sewer in the project area was replaced with 8-inch and 10-inch PVC when the neighborhood was reconstructed in 1999. The current project cost estimate includes casting replacement only.

Storm Sewer

The storm sewer in the Southeast project area flows to two trunk lines on 55th Avenue and then east to the Mississippi River. Approximately 93 percent of the storm sewer in this area was installed in 1999 when the neighborhood was reconstructed. This storm sewer consist of 12-inch to 27-inch diameter pipe. The remaining storm sewer throughout the project area consists of 12-inch and 18-inch RCP that was installed between 1952 and 1979. The current project cost estimate includes casting replacement only.

Street Lighting

The existing street light system is overhead power, with wood poles and a cobra head light fixture. The current cost estimate includes no street light replacement.

51st Avenue Improvements (at Brooklyn Boulevard) - 2018

The project area extends from the north property line of the New Millennium Academy south and east to Xerxes Avenue. The total project length is 1,450-feet. The neighborhood consists of three residential properties (R1), two multi-family properties (R1) and one commercial property.

Streets

51st Avenue east of Brooklyn Blvd is a designated MSA Route. The streets in the project area were originally constructed in 1964. 51st Avenue east of Brooklyn Boulevard is 30-feet wide with no curb and gutter. The service road along Brooklyn Boulevard is currently 25-feet wide with curb and gutter on the west side of the road. The street pavement is deteriorated throughout most of the project area. The overall pavement condition rating is fair to poor. Proposed street improvements on 51st Avenue east of Brooklyn Boulevard consist of the reconstruction of the street subgrade, installation of curb and gutter to improve drainage, addition of turn lanes and placement of bituminous street pavement. The service road west of Brooklyn Boulevard will be removed and Lilac Drive will be extended from New Millennium Academy to the TH 100 south ramp. This project is planned to be coordinated with the Brooklyn Boulevard Corridor Improvements between 49th Avenue and Brooklyn Boulevard.

Water main

The existing water main in the project area is 3-inch diameter CIP installed in 1964. The current project estimate assumes complete replacement of the water main within the project area.

Sanitary Sewer

The sanitary sewer on 51st Avenue consists of 8-inch diameter VCP installed in 1964. Sanitary sewer on service road consists of 8-inchVCP rehabilitated with a CIPP liner in 2003. The sanitary sewer on 51st Avenue is subjected to frequent problems with root intrusion. Root sawing must be performed on an annual basis to maintain the system conveyance capacity. Complete replacement of the sanitary pipes and access structures on 51st Avenue are proposed as part of the project

Storm Sewer

The project area consists of two storm structures that convey water to the east into Minneapolis. The current cost estimate includes minor storm sewer repairs.

Street Lighting

The existing street light system is overhead power, with wood poles and a cobra head light fixture. The current cost estimate includes no street light replacement.

Grandview Park Area Improvements - 2020

The Grandview Park project area extends Interstate 694 to 57th Avenue and from Logan Avenue to Dupont Avenue. The total project length is 20,821-feet. The neighborhood consists of approximately 345 residential properties (R1) and four multi-family properties (R6).

Streets

The majority of the streets in the project area were originally constructed between 1964 and 1969. Existing streets are generally 30-feet wide with no curb and gutter. The street pavement is deteriorated throughout most of the neighborhood. The overall pavement condition rating is fair to poor. Proposed street improvements consist of the reconstruction of the street subgrade, installation of curb and gutter to improve drainage and placement of bituminous street pavement.

Water main

The existing water main in the project area consists of 6-inch and 8-inch diameter CIP installed between 1964 and 1969. A 16-inch steel water main runs along Emerson Avenue from 57th Avenue to 59th Avenue. A majority of the existing water main is believed to have a cement based internal liner. Water records indicate two main breaks have occurred within the neighborhood and one property has experienced a frozen water service in past winters. The current project estimate includes replacement of approximately 50 to 75 percent of the water main within the project area. The 16-inch steel water main along Emerson Avenue potently could be replaced with C900 plastic water main.

Sanitary Sewer

The sanitary sewer in the project area consists of 8-inch diameter VCP installed in 1960 and 1963. Approximately 68 percent of the sanitary sewer is subjected to frequent problems with root intrusion. Root sawing must be performed on an annual basis to maintain the system conveyance capacity. The condition of the sanitary sewer system within the neighborhood is rated as fair to poor. The current project estimate includes replacement of approximately 50 to 75 percent of the sanitary sewer system within the project area.

Storm Sewer

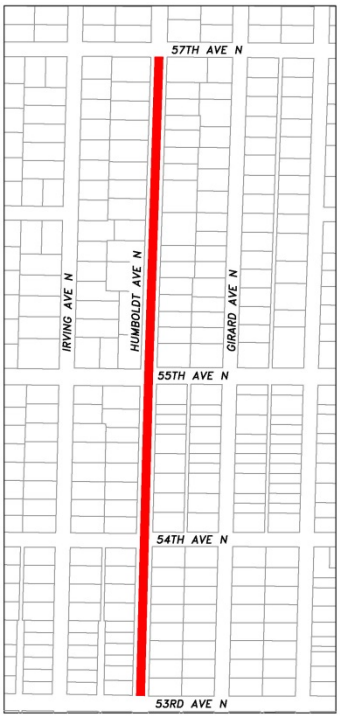
A majority of the storm water runoff from the project area is collected in the existing storm sewer system and conveyed to the trunk storm sewer line on 59th Avenue and then to the Mississippi River. A portion of the existing storm sewer system within the project area could be salvaged, although it is anticipated that expansion of the system and additional conveyance capacity will be needed to minimize local flooding. The current project cost estimate includes replacement of 75 percent of the local drainage system within the neighborhood.

Street Lighting

The existing street light system is overhead power, with wood poles and a cobra head light fixture. The current cost estimate includes replacing the 25 wood poles with 25 fiberglass poles with a cut-off type LED light fixture and underground power.

Humboldt Avenue (County Road 57) Reconstruction (53rd to 57th Avenues) - 2020

The Humboldt Avenue project area extends from 53rd Avenue to 57th Avenue. The total project length is approximately 2,660 linear feet. The neighborhood consists of approximately 56 residential properties.



Streets
This segment of roadway is a Hennepin County Roadway. Humboldt Avenue was originally constructed between 1966 and 1969. Existing streets are generally 36-feet wide with no curb and gutter. The street pavement is deteriorated due to the age of the pavement and inadequate drainage. This project is included in the City's CIP due to a potential cost sharing agreement for the street and drainage improvements and funding for water main, sanitary sewer and street lighting improvements as described below.

Water main
The existing water main in the Humboldt Avenue project area consists of 6-inch diameter CIP installed in 1966. A condition survey must be conducted for the existing water system in the project area to determine the extent of corrosion. The water main is in fair condition based on current maintenance records. The current project cost estimate assumes replacing approximately 75 percent of the water main.

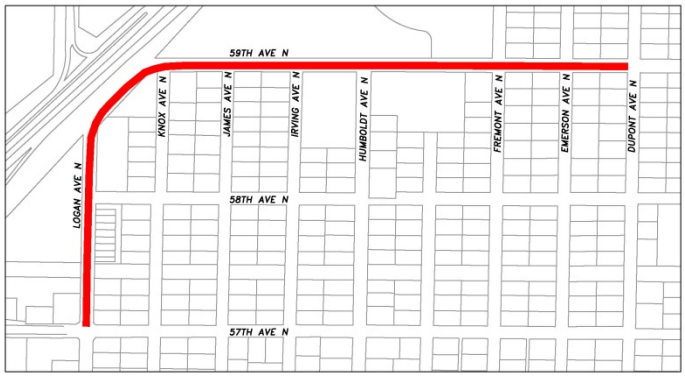
Sanitary Sewer
The existing sanitary sewer consists of 8-inch diameter VCP lateral sewers. These sewers were originally installed in 1952. Approximately 51 percent of the sanitary sewer is subjected to frequent problems with root intrusion. Root sawing must be performed on an annual basis to maintain the system conveyance capacity. The current project cost estimate includes replacement of approximately 100 percent of the sanitary sewer.

Storm Sewer
The storm sewer on Humboldt Avenue consists of 18-inch diameter corrugated metal pipe that drains to a trunk line along 55th Avenue. This storm sewer was installed in 1952. The current project cost estimate includes replacing 100 percent of the storm sewer. The cost estimate assumes that Brooklyn Center may contribute to a portion of the storm drainage cost for the project.

Street Lighting
The existing street light system is overhead power, with wood poles and a cobra head light fixture. The current cost estimate includes replacing the three wood poles with three fiberglass poles with a cut-off type LED light fixture and underground power.

Logan, Lilac and 59th Avenues Reconstruction - 2020

This project area includes Logan Avenue from 57th Avenue to Lilac Drive, 59th Avenue from Lilac Drive to Dupont Avenue and Lilac Drive from Logan Avenue to 59th Avenue. The total project length is 3,761-feet. The neighborhood consists of approximately 12 residential properties, three church properties, one school property, 14 multi-family properties (R3 to R5) and two commercial zoned properties (C2).



Streets

The entire project area is designated as a MSA Route. The majority of the streets in the project area were originally constructed in 1966. The existing roads are 30 to 35-feet wide. Logan Avenue and Lilac Drive have concrete curb and gutter and 59th Avenue has no curb. The street pavement is deteriorated throughout most of the neighborhood. The overall pavement condition rating is fair to poor. Proposed street improvements consist of the reconstruction of the street subgrade, installation of curb and gutter to improve drainage and placement of bituminous street pavement.

Water main

The existing water main along Logan Avenue and Lilac Drive is 10-inch diameter CIP installed in 1965 and 16-inch diameter cast iron main along 59th Avenue installed in 1969. A majority of the existing water main is believed to have a cement based internal liner. The corrosion rate within the project area has not been thoroughly documented at this time. Utility records indicate there has been one water main break along Logan Avenue. However, the Public Utilities Division will need to excavate and inspect various fittings to determine the extent of water main replacement that is warranted. The current project estimate includes replacement of water main along Logan Avenue and Lilac Drive only.

Sanitary Sewer

The only sanitary sewer in the project area runs along Logan Avenue. This sanitary sewer was lined with CIPP in 2005. Manhole casting replacement is the only proposed sanitary sewer improvement for the project.

Storm Sewer

A majority of the storm water runoff from the project area is collected in the existing trunk line along 59th Avenue. This line consists of 24-inch to 36-inch corrugated metal pipe. A second storm line runs south along Logan Avenue to 57th Avenue. This line consists of 21-inch to 42-inch RCP installed in 1988. The current project cost estimate assumes replacement of the corrugated metal pipe alone 59th Avenue as part of the scheduled neighborhood improvements.

Street Lighting

The existing street light system is overhead power, with wood poles and a cobra head light fixture. The current cost estimate includes replacing the three wood poles with three fiberglass poles with a cut-off type LED light fixture and underground power.

Ryan Lake Industrial Park Area Improvements - 2021

The Ryan Lake project area includes 48th Avenue and Dusharme Drive from Drew Avenue to the dead end and 47th Avenue from Drew Avenue to the dead end. The total project length is 1,288-feet. The neighborhood consists of approximately 10 industrial properties and three multi-family properties (R5).

Streets

The majority of the streets in the project area were originally constructed in 1958 and 1960. The western portion of 47th Avenue and Drew Avenue were reconstructed in 2002. The western portion of 48th Avenue was reconstructed in 2005. The remaining street sections are 30 to 45-feet wide with no curb and gutter. The street pavement is deteriorated and in poor condition. Proposed street improvements consist of the reconstruction of the street subgrade, installation of curb and gutter to improve drainage and placement of bituminous street pavement.

Water main

The existing water main on 48th Avenue and Dusharme Drive consists of 10-inch diameter CIP installed in 1958. The water main on 47th Avenue consists of 6-inch CIP installed in 1960. Water records indicate one main break has occurred within the neighborhood. The current project estimate assumes complete replacement of the water main in the project area. The cost estimate also includes the cost of jacking new water main under the railroad tracks from Dusharme Drive to 49th Avenue.

Sanitary Sewer

The sanitary sewer in the project area consists of 8-inch diameter VCP installed in 1960. The sanitary sewer along 47th Avenue and Dusharme Drive is subjected to frequent problems with root intrusion. Root sawing must be performed on an annual basis to maintain the system conveyance capacity. The condition of the sanitary sewer system within the neighborhood is rated as fair to poor. Complete replacement of all sanitary sewer pipes and access structures are proposed as part of the project.

Storm Sewer

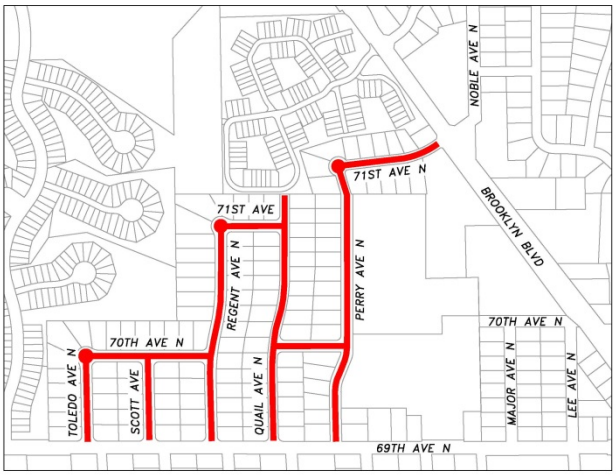
All of the storm water runoff from the project area is collected in the existing storm sewer system and conveyed to Ryan Lake. The current project cost estimate assumes reconstruction of all the existing storm sewer system. The cost estimate also includes installation of a small storm water management pond at the intersection of 48th Avenue and Dusharme Drive within City owned property adjacent to Ryan Lake.

Street Lighting

The existing street light system is overhead power, with wood poles and a cobra head light fixture. The current cost estimate includes replacing the two wood poles with two fiberglass poles with a cut-off type LED light fixture and underground power.

Northwest Area Mill and Overlay - 2021

The Northwest project area extends from Toledo Avenue east to Perry Avenue and from 71st Avenue south to 69th Avenue. The total project length is 6,819-feet. The neighborhood consists of 124 residential properties (R1) and two school owned properties.



Streets

The streets in the project area were reconstructed in 1994. The streets are 30-feet wide with concrete curb and gutter. The current cost estimate assumes street improvements that consist of minor concrete repairs and a 2-inch mill and overlay.

Water main

When the neighborhood was reconstructed in 1994, approximately 65 percent of the water main was replaced with 6-inch diameter DIP. The remaining water main consists of 6-inch diameter CIP installed in 1955. Water records indicate two main breaks have occurred on the CIP water main and one property has experienced a frozen water service in past winters. The current project cost estimate includes lining the existing CIP pipe.

Sanitary Sewer

When the area was reconstructed in 1994, approximately 72 percent of the sanitary sewer was replaced with 8-inch and 10-inch diameter PVC. The remaining sanitary sewer consists of 8-inch VCP installed in 1956. The project cost estimate includes cured-in-place lining of the VCP sanitary sewer main.

Storm Sewer

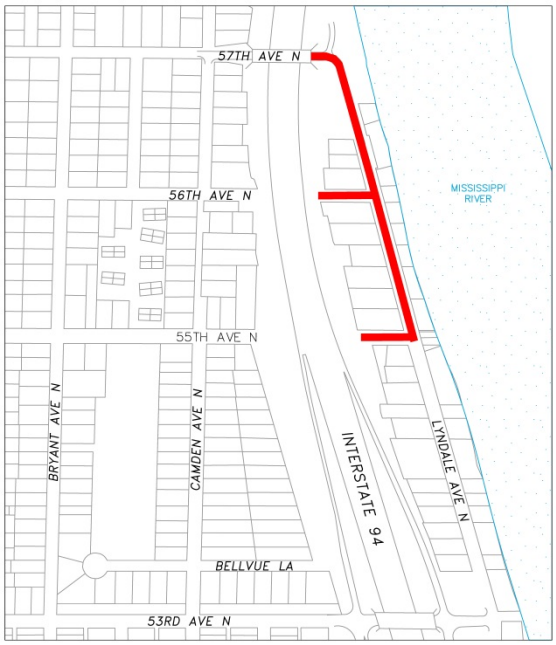
The storm water runoff from the project area is collected in a storm water pond in the northwest corner of the project area. The storm sewer consists of 15-inch to 42-inch diameter RCP installed in 1994. The current project estimate includes minor storm sewer repairs.

Street Lighting

The existing street light system is overhead power, with wood poles and a cobra head light fixture. The current cost estimate includes replacing the nine wood poles with nine fiberglass poles with a cut-off type LED light fixture and underground power.

Lyndale Avenue Improvements - 2021

The Lyndale Avenue project area extends from 57th Avenue to 55th Avenue and includes the 56th Avenue and 55th Avenue cul-de-sacs. The current project length is 1,905-feet. The neighborhood consists of 11 residential properties (R2 and R4).



Streets
The streets in the project area were constructed in 1985. The existing streets are 30-feet wide with concrete curb and gutter. Proposed improvements include 20 percent curb replacement and installation of new street pavement.

Water Main
The existing water main in the project area consists of 6-inch diameter DIP installed in 1978 and 1985. The water main is in good condition based on current maintenance records. The current project cost estimate includes replacement of miscellaneous valves and hydrants as necessary.

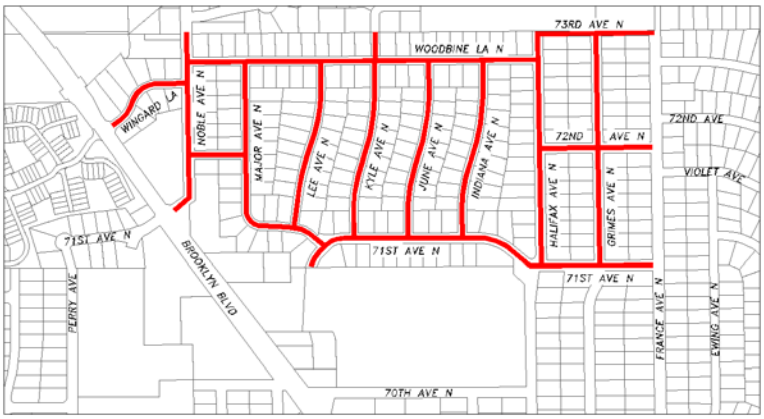
Sanitary Sewer
The existing sanitary sewer consists of 24-inch diameter RCP installed in 1959. This sanitary sewer line is the main trunk line that carries the sanitary flow from the eastern third of Brooklyn Center to a lift station on Lyndale Avenue south of 55th Avenue. The condition of the sanitary sewer in the neighborhood is rated fair. The current project cost estimate includes replacement of sanitary services and replacement of sanitary sewer castings. Cured-in-place lining of the trunk sanitary sewer may be necessary based on future televising inspections.

Storm Sewer
A substantial portion of the southeast section of the City drains through the trunk storm sewer located along 55th Avenue. The existing trunk storm sewer line consists of 36-inch diameter RCP installed in 1952. The remainder of the project area consists of 12-inch diameter to 18-inch diameter reinforced pipe installed in 1955 and 1985. The current project cost estimate includes replacing the storm sewer structure castings and isolated portions of lateral storm sewer as necessary.

Street Lighting
The current cost estimate includes replacing the three wood poles with three fiberglass poles with a cut-off type LED light fixture and underground power.

Woodbine Area Improvements - 2022

The Woodbine project area extends from Brooklyn Boulevard to France Avenue and from the north City limits to 71st Avenue. The project area contains a total of 15,525 linear feet of local streets. The neighborhood consists of approximately 248 residential properties.



Streets

Noble Avenue from Brooklyn Boulevard to the north City limits is a designated MSA Route. The Woodbine Neighborhood was reconstructed in 1995. Noble Avenue is 40-feet wide with concrete curb and gutter. The remaining streets are generally 30-feet wide with concrete curb and gutter. The project design process will include evaluating geometric options at the intersection of Noble Avenue and Woodbine Lane to address possible pedestrian safety issues. The current cost estimate assumes street improvements that consist of approximately 50 percent curb replacement, 10 percent sidewalk replacement and full depth pavement replacement.

Water main

The existing water main in the Woodbine area consists of 6-inch and 8-inch diameter CIP installed between 1957 and 1959. Records indicate there have been 11 water main breaks in the neighborhood between 1975 and 2013 and six properties have experienced frozen water service in past winters. The current project cost estimate includes complete water main replacement.

Sanitary Sewer

Approximately 25 percent of the sanitary sewer in the project area was replaced with PVC when the neighborhood was reconstructed in 1995. The remaining sanitary sewer consists of 8-inch diameter VCP installed in 1958 and 1959. Approximately 57 percent of the sanitary sewer is subjected to frequent problems with root intrusion. Root sawing must be performed on an annual basis to maintain the system conveyance capacity. The current project cost estimate includes replacement of the existing VCP sanitary sewer within the roadway and cured-in-place lining of the sanitary sewer along the June Avenue easement between 71st Avenue and 70th Avenue.

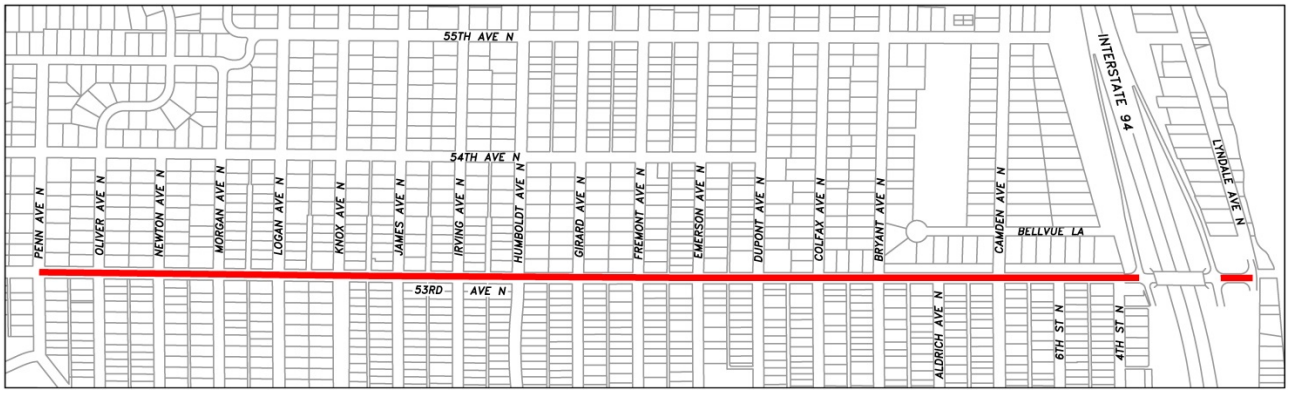
Storm Sewer

The storm sewer on Noble Avenue consists of 12-inch and 15-inch diameter RCP that drains to Shingle Creek. This storm sewer was installed in 1970. The remainder of the project area consists of 15-inch to 33-inch diameter RCP installed when the neighborhood was reconstructed in 1995. This storm sewer generally drains to Palmer Lake. The condition of the storm sewer within the neighborhood is rated as good. The current project cost estimate includes replacing storm structure castings and isolated portions of lateral storm sewer as necessary.

Street Lighting

The current cost estimate includes replacing the 20 wood poles with 20 fiberglass poles with a cut-off type LED light fixture and underground power.

53rd Avenue Improvements (Penn Avenue to Lyndale Avenue) - 2023



The 53rd Avenue project area extends on 53rd Avenue from Penn Avenue to Lyndale Avenue. The project area includes a total of 6,323-feet of local streets. The neighborhood consists of approximately 27 residential properties, one multi-family property and two business properties.

Streets

53rd Avenue is designated as a MSA Route. 53rd Avenue is also the border between Brooklyn Center and Minneapolis. The north portion of 53rd Avenue is maintained by Brooklyn Center and the south portion is maintained by Minneapolis. The existing streets in the project area are 36-feet wide with concrete curb and gutter, constructed in 1985. Proposed street improvements consist of the reconstruction of the street subgrade, installation new of curb and gutter to improve drainage and placement of bituminous street pavement.

Water Main

The existing water main on 53rd Avenue is 6-inch diameter CIP installed between 1965 and 1969. The corrosion rate within the project area has not been thoroughly documented at this time. Water records indicate there have been no main breaks within the project area. The current project estimate includes complete water main replacement on 53rd Avenue. The project cost estimate also includes an emergency connection with Minneapolis if formal inter-communication arrangements can be established for this connection. Brooklyn Center staff will need to contact Minneapolis Water Utilities to discuss this potential emergency connection.

Sanitary Sewer

The sanitary sewer on 53rd Avenue consists of 8-inch and 9-inch diameter VCP installed between 1952 and 1959. Approximately 52 percent of the sanitary sewer is subjected to frequent problems with root intrusion. Root sawing must be performed on an annual basis to maintain the system conveyance capacity. The condition of the sanitary sewer system within the neighborhood is rated as fair. The current project cost estimate includes complete sanitary sewer replacement.

Storm Sewer

The majority of the storm sewer runoff in the project area drains to the trunk storm sewer line on 55th Avenue and is conveyed to the Mississippi River. The storm sewer on 53rd Avenue consists of 12-inch diameter to 15-inch diameter RCP installed between 1952 and 1979. The current project cost estimate includes replacement of 75 percent of the storm sewer laterals and structures.

Street Lighting

The existing street light system is overhead power, with wood poles and a cobra head light fixture. The current cost estimate includes replacing the 21 wood poles with 21 fiberglass poles with a cut-off type LED light fixture and underground power.

50th Avenue Improvements (France Avenue to Drew Avenue) - 2023

The 50th Avenue project area extends on 50th Avenue from France Avenue to Drew Avenue. The total project length is 665-feet. The neighborhood consists of approximately four residential properties (R4), five industrial properties (I2) and one commercial property (C1).

Streets
This section of 50th Avenue was reconstructed in 1988. The existing street is 36-feet wide with concrete curb and gutter. After the year 2023 the pavement will have exceeded the expected service cycle. Proposed street improvements consist of reconstruction of the bituminous street pavement and replacement of the concrete curb and gutter as necessary.

Water Main
The existing water main in the 50th Avenue project area consists of 8-inch and 10-inch diameter CIP installed in 1958 and 1966. The corrosion rate within the project area has not been thoroughly documented at this time. Water records indicate that one main break has occurred within the project area and one property has experienced a frozen water service in past winters. The current cost estimate includes complete replacement of the water main.

Sanitary Sewer
The sanitary sewer in the 50th Avenue project area is owned and maintained by the Metropolitan Council and consists of 30-inch diameter reinforced RCP installed in 1955. The current project estimate includes the replacement of sanitary sewer castings and services.

Storm Sewer
The storm sewer runoff from the 50th Avenue project area is collected in the existing storm sewer system and is conveyed to storm drainage ditches along Highway 100. The existing storm sewer in the project area consists of 15-inch to 24-inch diameter RCP installed in 1988. The current project cost estimate includes replacing the storm sewer structure castings and isolated portions of lateral storm sewer as necessary.

Street Lighting
The existing street light system is overhead power, with wood poles and a cobra head light fixture. The current cost estimate includes no street light replacement.

51st Avenue Improvements (West of France Avenue) - 2023

The 51st Avenue project area extends from 185-feet south of Oak Street on Twin Lake Boulevard to France Avenue. The total project length is 1,171-feet. The neighborhood consists of approximately 25 residential properties.

Streets
The 51st Avenue project area was originally constructed in 1990. The existing street is 30-feet wide with concrete curb and gutter. After the year 2023 the pavement will have exceeded the expected service cycle. Proposed street improvements consist of reconstruction of the bituminous street pavement and replacement of the concrete curb and gutter as necessary.

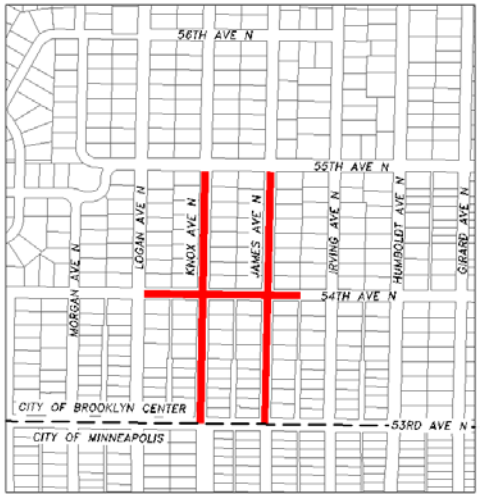
Water Main
The existing water main in the 51st Avenue project area consists of 8-inch diameter DIP installed in 1990. The water main is in good condition based on current maintenance records. The project cost estimate includes casting replacement only.

Sanitary Sewer
The sanitary sewer in the 51st Avenue project area consists of 8-inch diameter PVC pipe installed in 1990. The condition of the sanitary sewer system within the neighborhood is rated as good. The current project estimate includes the replacement of sanitary sewer castings only.

Storm Sewer
The storm sewer runoff from the 51st Avenue project area is collected in the existing storm sewer system and conveyed to the storm water pond west of 51st Avenue. The existing storm sewer in the project area consists of 15-inch to 21-inch diameter RCP installed in 1990. The current project cost estimate includes replacing the storm sewer structure castings and isolated portions of lateral storm sewer as necessary.

Street Lighting
The existing street light system is overhead power, with wood poles and a cobra head light fixture. The current cost estimate includes replacing the three wood poles with three fiberglass poles with a cut-off type LED light fixture and underground power.

Knox, James and 54th Avenues Area Improvements - 2023



The Knox, James and 54th Avenues project area includes James Avenue and Knox Avenue between 55th Avenue and 53rd Avenue, and 54th Avenue between Logan Avenue and Irving Avenue. The project area includes a total of 3,487-feet of local streets. The neighborhood consists of approximately 78 residential and one multi-family property.

Streets
The existing streets in the project area are 30-feet wide with concrete curb and gutter constructed in 1994. Proposed street improvements consist of new street pavement and replacement of isolated sections of concrete curb and gutter as necessary.

Water Main
The existing water main in the project area consists of 6-inch diameter DIP installed in 1994. The current project estimate includes casting replacement only.

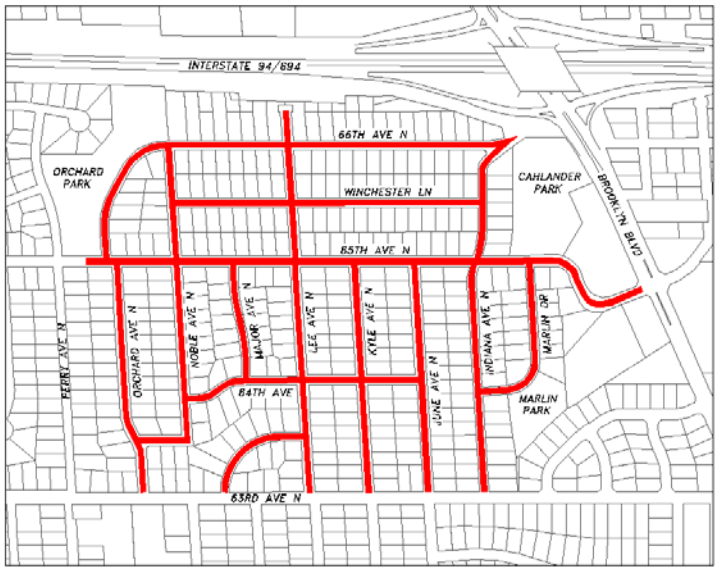
Sanitary Sewer
The sanitary sewer in the project area consists of 10-inch diameter PVC installed in 1994. The condition of the sanitary sewer system within the neighborhood is rated as good. The current project cost estimate includes the replacement on sanitary sewer castings only.

Storm Sewer
The majority of the storm sewer runoff in the project area drains to the trunk storm sewer line on 55th Avenue and is conveyed to the Mississippi River. The storm sewer consists of 12-inch diameter to 18-inch diameter RCP installed in 1994. The current project cost estimate includes replacement of storm sewer castings.

Street Lighting
The existing street light system is overhead power, with a combination of wood poles with cobra head light fixtures and fiberglass poles with rectilinear fixtures. The current cost estimate includes no street light replacement.

Orchard Lane East Improvements - 2024

The Orchard Lane East project area extends from Perry Avenue to Brooklyn Boulevard and Interstate 94 to 63rd Avenue. The project area contains a total of 21,560 linear feet of local streets. The neighborhood consists of approximately 358 residential properties, two multi-family properties and one commercial property.



Streets

The Orchard Lane East area was reconstructed in 1996. The streets are generally 30-feet wide with concrete curb and gutter. The current cost estimate assumes street improvements that consist of approximately 50 percent curb replacement, 10 percent sidewalk replacement and full depth pavement replacement.

Water main

Approximately 25 percent of the water main in the Orchard Lane East area was replaced with DIP in 1996 when the neighborhood was reconstructed. The remaining water main in the area consists of 6-inch, 8-inch and 12-inch diameter CIP installed between 1955 and 1973. Records indicate there have been nine water main breaks in the neighborhood and one property has experienced a frozen water service in past winters. The current project cost estimate includes replacement of existing CIP water main.

Sanitary Sewer

Approximately 50 percent of the sanitary sewer in the project area was replaced with PVC when the neighborhood was reconstructed in 1996. The remaining sanitary sewer consists of 8-inch and 12-inch diameter VCP installed between 1956 and 1966. The current project cost estimate includes replacement of the existing VCP sanitary sewer.

Storm Sewer

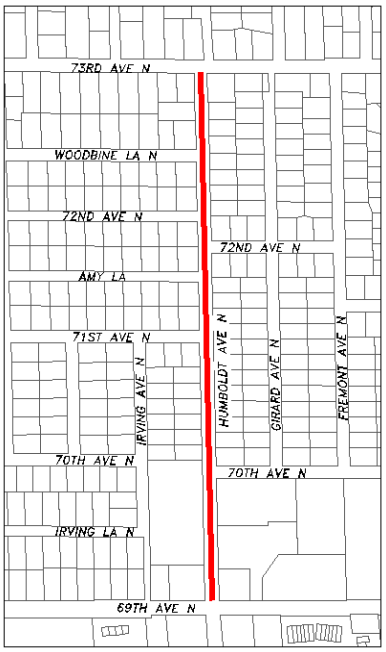
The storm sewer on the north and west streets of the Orchard Lane East area drain to the storm water ponds at Orchard Park and Cahlander Park. The storm sewer consists of 12-inch to 42-inch diameter pipe. The south and east streets in the project area drains to Shingle Creek. This storm sewer consists of 12-inch to 60-inch diameter pipe. The trunk storm sewer on 65th Avenue and Orchard Avenue was installed in 1956. The remainder of the storm sewer was installed when the neighborhood was reconstructed in 1996. The current project cost estimate includes replacing storm structure castings and isolated portions of lateral storm sewer as necessary.

Street Lighting

The current cost estimate includes replacing the 24 wood poles with 24 fiberglass poles with a cut-off type LED light fixture and underground power.

Humboldt Avenue Improvements - 2024

The Humboldt Avenue project area extends from 69th Avenue to the north City limits. The project area contains a total of 2,618 linear feet of local streets. The neighborhood consists of approximately 38 residential properties (R1), three R5 properties and two commercial (C2) properties.



Streets
This segment of roadway is designated as a MSA Route. This section of Humboldt Avenue was reconstructed in 1995. The existing street is generally 30-feet wide with concrete curb and gutter. The street pavement exhibits a moderate rate of deterioration due to higher volumes of traffic. The current cost estimate assumes street improvements that consist of approximately 25 percent curb replacement, 10 percent sidewalk replacement and full depth pavement replacement.

Water main
The existing water main in the Humboldt Avenue project area consists of 8-inch diameter CIP installed in 1965 and 1967. Based on current maintenance records there is no history of water main breaks in this area. The current project cost estimate includes replacement of 25 percent of the water main and replacement of all hydrants and valves.

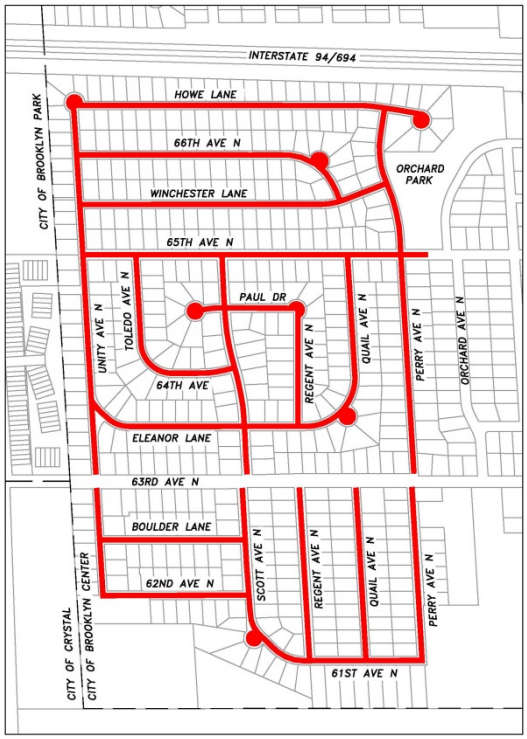
Sanitary Sewer
When the Humboldt Avenue project area was reconstructed in 1995, 25 percent of the sanitary sewer was replaced with 10-inch diameter PVC. The remaining sanitary sewer in the area consists of 8-inch diameter VCP installed between 1965 and 1967. The current project cost estimate includes replacement of the existing VCP sanitary sewer.

Storm Sewer
The existing storm sewer in the Humboldt Avenue project area consists of 15-inch to 36-inch diameter RCP that drains to the Mississippi River. The storm sewer was installed between 1955 and 1961 and in 1995. When the project area was reconstructed in 1995, the existing storm sewer was left in place and additional storm sewer was added to the existing system. The current project cost estimate includes replacing structure castings and isolated pipe laterals as necessary within the project area.

Street Lighting
The current cost estimate includes replacing the five wood poles with five fiberglass poles with a cut-off type LED light fixture and underground power.

Orchard Lane West Area Improvements - 2025

The Orchard Lane West Area project extends from Unity Avenue to Perry Avenue and Interstate 94 to 61st Avenue. The project area contains a total of 25,702 linear feet of local streets. The neighborhood consists of approximately 509 residential properties, one church property and one school property.



Streets

The Orchard Lane West Area was reconstructed in 1997. The streets are generally 30-feet wide with concrete curb and gutter. The current cost estimate assumes street improvements that consist of approximately 50 percent curb replacement, 20 percent sidewalk replacement, 50 percent driveway apron replacement and full depth pavement replacement.

Water main

Approximately 99 percent of the water main in the Orchard Lane West Area was replaced with DIP in 1997 when the neighborhood was reconstructed. The remaining water main in the area consists of 6-inch DIP installed in 1987. Records indicate there have been no water main breaks in the neighborhood since the area was reconstructed and one property in the area has experienced a frozen water service in past winters. The current project cost estimate includes replacement of miscellaneous valves and hydrants as necessary.

Sanitary Sewer

Approximately 55 percent of the sanitary sewer in the project area was replaced with PVC when the neighborhood was reconstructed in 1997. The remaining sanitary sewer consists of 8-inch diameter and 10-inch diameter VCP installed between 1955 and 1958. Approximately 11 percent of the sanitary sewer is subjected to frequent problems with root intrusion. Root sawing must be performed on an annual basis to maintain the system conveyance capacity. The current project cost estimate includes replacement of the existing VCP sanitary sewer.

Storm Sewer

The storm sewer north of 63rd Avenue in the Orchard Lane West Area drains to the storm water ponds at Orchard Park and Cahlander Park. This storm sewer consists of 12-inch to 36-inch diameter pipe. The streets south of 63rd Avenue drain to the storm water pond at 63rd Avenue and Perry Avenue. This storm sewer consists of 12-inch to 36-inch diameter pipe. A 27-inch RCP storm line installed in 1958 remains on Woodbine Lane and a 15-inch RCP storm line installed in 1965 remains on Scott Avenue. The current project cost estimate includes replacement of the storm sewer installed in 1958 and 1965 and replacement of storm laterals as needed for utility replacement.

Street Lighting

The current cost estimate includes replacing the 29 wood poles with 29 fiberglass poles with a cut-off type LED light fixture and underground power.

53rd Avenue and Xerxes Avenue Improvements - 2025

53rd Avenue extends from Xerxes Avenue to Upton Avenue and Xerxes Avenue extends from 51st Avenue to 53rd Avenue. The project area contains a total of 2,028 linear feet of local streets. The neighborhood consists of 22 residential properties and one multi-family (R5) property.

Streets

This project area was most recently reconstructed in 1996 by the City of Minneapolis. 53rd Avenue and Xerxes Avenue is the border between Brooklyn Center and Minneapolis. The north portion of 53rd Avenue and the west portion of Xerxes Avenue are maintained by Brooklyn Center. Existing streets are generally 30-feet wide with concrete curb and gutter. The current cost estimate assumes street improvements that consist of approximately 20 percent curb replacement, 25 percent driveway apron replacement and full depth pavement replacement.

Water main

The existing water main on 53rd Avenue consists of 6-inch diameter CIP installed in 1973. Records indicate that there have been no water main breaks in the area. The water main is in good condition based on current maintenance records. The water main on Xerxes Avenue is owned and maintained by the City of Minneapolis. The current project cost estimate includes no water main replacement.

Sanitary Sewer

There is no sanitary sewer on 53rd Avenue. The existing sanitary sewer on Xerxes Avenue is owned and maintained by the City of Minneapolis. The current project cost estimate includes no sanitary sewer replacement.

Storm Sewer

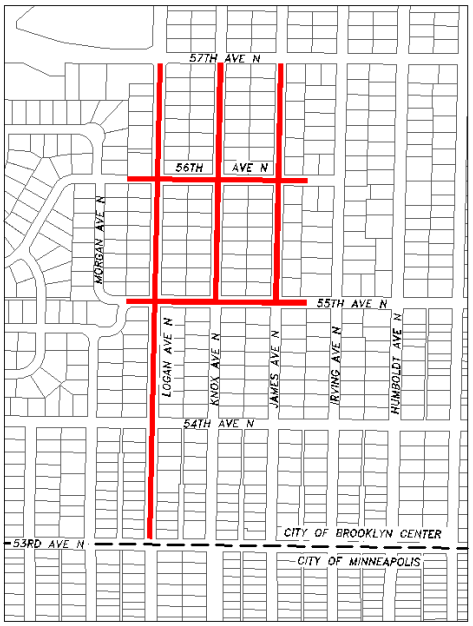
The storm sewer in the project area consists of 10-inch PVC pipe that flows to storm water ponds located south of 53rd Avenue and east of Upton Avenue. This storm sewer was installed in 1996 when the area was last reconstructed. The current project cost estimate includes casting replacement only.

Street Lighting

The current cost estimate includes replacing the eight wood poles with eight fiberglass poles with a cut-off type LED light fixture and underground power.

Meadowlark Gardens Area Improvements - 2026

The Meadowlark Gardens project area extends on Logan Avenue from 53rd Avenue to 57th Avenue, on Knox and James Avenues from 55th Avenue to 57th Avenue and on 55th Avenue and 56th Avenue from Morgan Avenue to Irving Avenue. The project area also includes 57th Avenue from Humboldt Avenue to the Interstate 94 bridge. The project area contains a total of 10,150 linear feet of local streets. The neighborhood consists of approximately 162 residential properties, two multi-family properties and two commercial properties.



Streets

Logan Avenue and 57th Avenue are designated as MSA Routes. The Meadowlark Gardens project area was last reconstructed in 1996. 57th Avenue is 30-feet wide, Logan Avenue is 32-feet wide and the remaining streets are 30-feet wide. All streets in the project have concrete curb and gutter. The current cost estimate assumes street improvements that consist of approximately 20 percent curb replacement, 20 percent sidewalk replacement, 25 percent driveway apron replacement and full depth pavement replacement.

Water main

Approximately 80 percent of the water main in the Meadowlark Garden area was replaced with DIP in 1996 when the neighborhood was reconstructed. The remaining water main in the area consists of 10-inch CIP installed in 1969 and 16-inch steel pipe installed in 1964. Water records indicate one main break has occurred on the CIP water main. The current project cost estimate includes replacement of the CIP and steel water mains.

Sanitary Sewer

Approximately 94 percent of the sanitary sewer in the project area was replaced with PVC when the neighborhood was reconstructed in 1996. The remaining sanitary sewer consists of 8-inch diameter VCP installed in 1959. The current project cost estimate includes replacement of the existing VCP sanitary sewer.

Storm Sewer

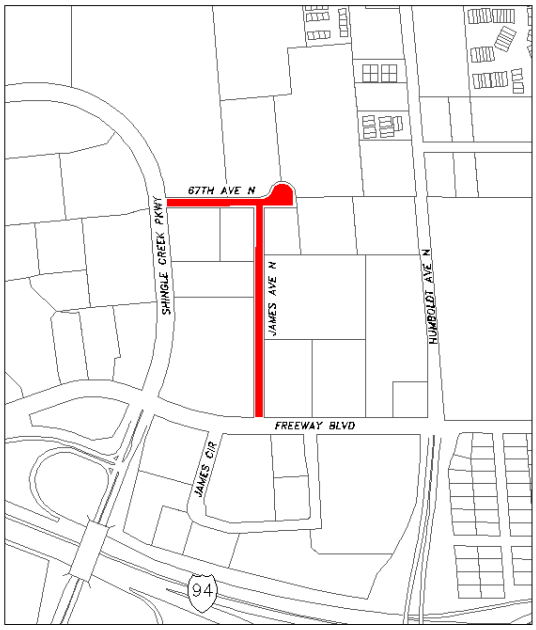
Approximately 92 percent of the storm sewer in the project area was replaced in 1996 when the neighborhood was reconstructed. The remaining pipe consists of 24-inch to 42-inch pipe on 55th Avenue installed in 1952. The storm sewer on James Avenue and to the west drains to the trunk line on 55th Avenue and then to the Mississippi River. This storm sewer consists of 15-inch to 44-inch diameter pipe. The storm sewer on 57th Avenue drains to the trunk line on 59th Avenue and then to the Mississippi River. This storm sewer consists of 15-inch to 42-inch diameter pipe. The current cost estimate includes replacing the existing pipe installed in 1952 and replacement of storm laterals as needed for water main and sanitary sewer replacement.

Street Lighting

The current cost estimate includes replacing the 17 wood poles with 17 fiberglass poles with a cut-off type LED light fixture and underground power.

67th Avenue and James Avenue Mill and Overlay - 2026

The project area includes 67th Avenue from Shingle Creek Parkway to the east cul-de-sac and James Avenue from Freeway Boulevard to 67th Avenue. The project area contains a total of 2,063 linear feet of local streets. The project area consists of 11 industrial properties.



Streets
The 67th Avenue and James Avenue area was reconstructed in 1998. The streets are generally 44-feet wide with concrete curb and gutter. The current cost estimate assumes street improvements that consist of approximately 20 percent concrete replacement and a 2-inch mill and overlay.

Water main
The existing water main in the project area consists of 8-inch diameter CIP installed in 1970. Records indicate that there have been no water main breaks in the area. The current project estimate includes casting replacement only.

Sanitary Sewer
The existing sanitary sewer in the project area consists of 8-inch PVC installed in 1970. The current project estimate includes casting replacement only.

Storm Sewer
The storm sewer in the project area drains to the trunk line on 65th Avenue and then east to the Mississippi River. This storm sewer consists of 15-inch to 36-inch diameter RCP installed in 1970 and 1974. The current project estimate includes casting replacement only.

Street Lighting
The current cost estimate includes replacing the two wood poles with two fiberglass poles with a cut-off type LED light fixture and underground power.

68th Avenue and Lee Avenue Mill and Overlay - 2026

The project area includes 68th Avenue from Lee Avenue to Brooklyn Boulevard and Lee Avenue from 68th Avenue to 69th Avenue. The project area contains a total of 1,668 linear feet of local streets. The project area consists of nine commercial properties.

Streets
The 67th Avenue and James Avenue area was reconstructed in 1998. The streets are generally 45-feet wide with concrete curb and gutter. The current cost estimate assumes street improvements that consist of approximately 20 percent concrete replacement and a 2-inch mill and overlay.

Water main
The existing water main in the project area consists of 8-inch diameter CIP installed in 1966 and 1968. Records indicate that there have been no water main breaks in the area. The current project estimate includes casting replacement only.

Sanitary Sewer
The existing sanitary sewer in the project area consists of 8-inch PVC installed in 1970. Approximately 25 percent of the sanitary sewer is subjected to frequent problems with root intrusion. Root sawing must be performed on an annual basis to maintain the system conveyance capacity. The current project estimate includes casting replacement only.

Storm Sewer
The storm sewer in the project area drains south to the storm water pond at Orchard Park. This storm sewer consists of 12-inch to 24-inch diameter RCP installed in 1966 and 1968. The current project estimate includes casting replacement only.

Street Lighting
The current cost estimate includes replacing the three wood poles with three fiberglass poles with a cut-off type LED light fixture and underground power.

John Martin Drive Mill and Overlay - 2026

The John Martin Drive project area extends from Shingle Creek Parkway to 450-feet south of Earle Brown Drive. The project area contains a total of 1,381 linear feet of local streets. The neighborhood consists of approximately nine commercial properties.

Streets
John Martin Drive is designated as a MSA Route. The project area was reconstructed in 1998. The streets are generally 50-feet wide with concrete curb and gutter. The current cost estimate assumes street improvements that consist of approximately 20 percent concrete replacement and a 2-inch mill and overlay.

Water main
The existing water main in the project area consists of 8-inch diameter CIP installed in 1969. Records indicate that there have been no water main breaks in the area. The current project estimate includes casting replacement only.

Sanitary Sewer
The existing sanitary sewer in the project area consists of 8-inch diameter VCP installed in 1969. There is no history of root intrusion in the project area. The current project estimate includes casting replacement only.

Storm Sewer
The storm sewer on John Martin Drive drains to Shingle Creek. This storm sewer consists of 12-inch to 48-inch diameter RCP installed in 1969. The current project estimate includes casting replacement only.

Street Lighting
The existing street light system is underground power, with aluminum and a decorative light fixture. The current cost estimate includes no street light replacement.

St. Alphonsus Area Mill and Overlay - 2026

The St. Alphonsus project area extends from Brooklyn Boulevard to Grimes Avenue and 69th Avenue to 71st Avenue. The area contains a total of 4,580 linear feet of local streets. The project area consists of approximately 31 residential properties, three commercial properties, one church property and one multi-family property.

Streets

The St. Alphonsus area was last reconstructed in 1998. Halifax Avenue is 30 to 35-feet wide, 70th Avenue is 35 to 42-feet wide and the remaining streets are 30-feet wide. All streets in the area have concrete curb and gutter. The current cost estimate assumes street improvements that consist of approximately 20 percent concrete replacement and a 2-inch mill and overlay.

Water main

The existing water main in the project area consists of 6-inch CIP installed between 1959 and 1961 and 6-inch DIP installed in 1978. Based on current maintenance records there have been two water main breaks in this area and four properties have experienced frozen water service in past winters. The current project estimate includes casting replacement only.

Sanitary Sewer

Approximately 83 percent of the sanitary sewer in the project area was replaced with 8-inch PVC when the neighborhood was reconstructed in 1998. The remaining pipe consists of 8-inch diameter VCP installed in 1958 and 1959. There is no history of root intrusion in the project area. The current project estimate includes casting replacement only.

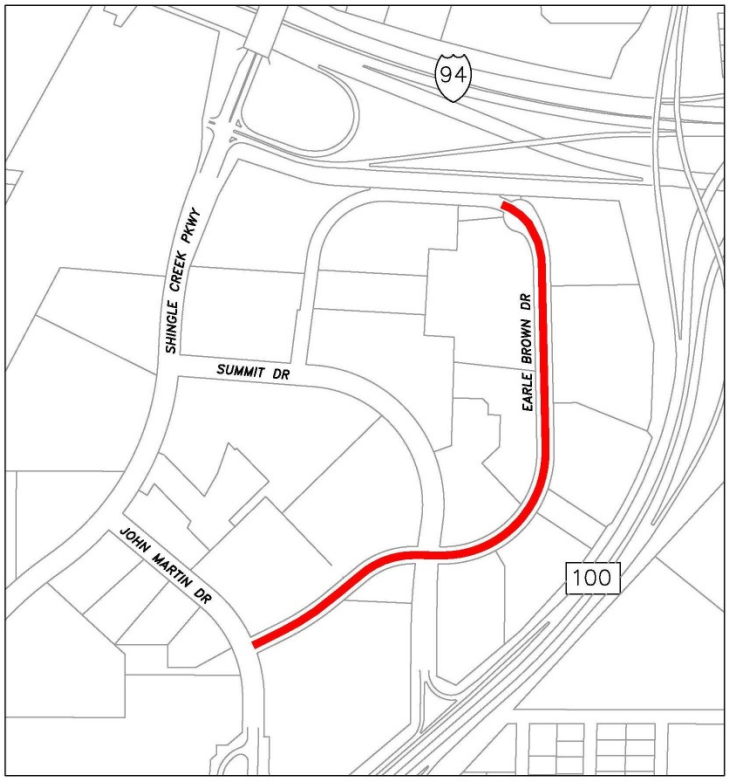
Storm Sewer

The storm sewer in the project area flows east to Palmer Lake. Approximately 25 percent of the storm sewer in this area was installed in 1998 or later. This storm sewer consists of 15-inch diameter high-density polyethylene plastic pipe and 18-inch to 42-inch diameter RCP. The remaining storm sewer consists of 15-inch to 42-inch diameter RCP installed in 1957 and 1984. The current project estimate includes casting replacement only.

Street Lighting

The current cost estimate includes replacing the seven wood poles with seven fiberglass poles with a cut-off type LED light fixture and underground power.

Earle Brown Drive Area Improvements - 2027



The Earle Brown Drive project extends from John Martin Drive in the southwest to the northeast corner of the Earle Brown Heritage Center. It contains a total of 3,075 linear feet of local streets. The project area consists of 11 commercial properties.

Streets
Earle Brown Drive is designated as a MSA Route between John Martin Drive and Summit Drive. This project area was reconstructed in 1999. The road is generally 50-feet wide with concrete curb and gutter. The current cost estimate assumes street improvements that consist of approximately 20 percent curb replacement, 30 percent sidewalk replacement, 25 percent driveway apron replacement and full depth pavement replacement.

Water main
The water main in the project area consists of 8-inch and 12-inch diameter CIP installed in 1971 and 1974. Water records indicate one main break has occurred within the area. The current project cost estimate includes casting replacement only.

Sanitary Sewer
The sanitary sewer in the project area consists of 8-inch diameter VCP installed in 1971 and 1974. There is no history of root intrusion in this area. The current project cost estimate includes casting replacement only.

Storm Sewer
The storm sewer in the project area drains north and west to local storm water ponds. This storm sewer consists of 12-inch to 30-inch diameter RCP installed in 1971 and 1974. Additional 15-inch diameter high-density polyethylene plastic pipe was added to the project area when the road was reconstructed in 1999. The current project estimate includes casting replacement only.

Street Lighting
The existing street light system contains underground power with aluminum poles and decorative light fixtures. The current cost estimate includes no street light replacement.

66th Avenue and Camden Avenue Mill and Overlay - 2027

The 66th Avenue and Camden Avenue project includes Camden Avenue from 66th Avenue to the south cul-de-sac and 66th Avenue from 360-feet east of Bryant Avenue to TH 252. It contains a total of 1,960 linear feet of local streets. The project area consists of four multi-family properties and seven commercial properties.

Streets

66th Avenue is designated as a MSA Route. This project area was reconstructed in 1999. The roads in the project area range from 40-feet wide to 70-feet with concrete curb and gutter. The current cost estimate assumes street improvements that consist of approximately 20 percent concrete replacement, a 2-inch mill and overlay and a new traffic signal at 66th Avenue and Camden Avenue.

Water main

The water main in the project area consists of 6-inch diameter CIP installed in 1968. Water records indicate four main breaks have occurred within the area. The current project cost estimate includes casting replacement only.

Sanitary Sewer

The sanitary sewer in the project area consists of 8-inch diameter PVC and VCP installed in 1968. There is no history of root intrusion in this area. The current project cost estimate includes casting replacement only.

Storm Sewer

The storm sewer in the project area drains to the trunk line on 65th Avenue and then east to the Mississippi River. This storm sewer consists of 12-inch to 72-inch diameter RCP installed in 1968 and 1999. The current project estimate includes casting replacement only.

Street Lighting

The existing street light system is overhead power, with wood poles and a cobra head light fixture. The current cost estimate includes no street light replacement.

73rd Avenue Mill and Overlay (Humboldt Avenue to Camden Avenue) - 2027

The 73rd Avenue project extends from Humboldt Avenue to approximately 275-feet east of Camden Avenue. It contains a total of 2,994 linear feet of local streets. The project area consists of 25 single-family properties and one church property.

Streets
73rd Avenue is designated as a MSA Route. 73rd Avenue is also the border between Brooklyn Center and Brooklyn Park. The south portion of 73rd Avenue is maintained by Brooklyn Center and the north portion is maintained by Brooklyn Park. This project area was reconstructed in 2000. The road is generally 33-feet wide with concrete curb and gutter. The current cost estimate assumes street improvements that consist of approximately 20 percent concrete replacement and a 2-inch mill and overlay.

Water main
All of the water main in the project area was replaced with DIP in 2000 when the neighborhood was reconstructed. The current project cost estimate includes casting replacement only.

Sanitary Sewer
Approximately four percent of the sanitary sewer in the project area was replaced with PVC in 2000 when the area was reconstructed. The remaining sanitary sewer in the area consists of 8-inch diameter VCP installed in 1961 and 1969. There is no history of root intrusion in this area. The current project cost estimate includes casting replacement only.

Storm Sewer
The storm sewer in the project area drains south to a trunk line on 70th Avenue and then east to the Mississippi River. This storm sewer consists of 12-inch to 21-inch diameter RCP installed in 1969 and 2000. The current project estimate includes casting replacement only.

Street Lighting
The existing street light system is overhead power, with wood poles and a cobra head light fixture. The current cost estimate includes no street light replacement.

Garden City Central Area Mill and Overlay - 2028

The south portion of the Garden City Central project area extends from Brooklyn Boulevard to Brooklyn Drive from 61st Avenue to 63rd Avenue, and the north portion extends from Xerxes Avenue to Brooklyn Drive from 63rd Avenue to 66th Avenue. The project area contains a total of 19,230 linear feet of local streets. The neighborhood consists of approximately 361 residential properties, one church property, three multi-family properties (R4 and R5) and three commercial properties.

Streets

63rd Avenue from Brooklyn Boulevard to Xerxes Avenue is designated as a MSA Route. The Garden City Central project area was last reconstructed in 2000. 63rd Avenue ranges from 38 to 48-feet wide and the remaining streets are 30-feet wide. All streets in the project have concrete curb and gutter. The current cost estimate assumes street improvements that consist of approximately 20 percent concrete replacement and a 2-inch mill and overlay.

Water main

Approximately 81 percent of the water main in the Garden City Central area was replaced with DIP in 2000 when the neighborhood was reconstructed. The remaining water main in the area consists of 6-inch and 16-inch DIP installed in 1980, 1981, 1983 and 1993. Records indicate there has been one water main break in the neighborhood and four properties in the area have experienced frozen water services in past winters. The current project estimate includes casting replacement only.

Sanitary Sewer

Approximately 72 percent of the sanitary sewer in the project area was replaced with PVC when the neighborhood was reconstructed in 2000. The remaining sanitary sewer consists of 8-inch diameter VCP installed in 1958, 8-inch diameter PVC installed in 1980, 15-inch diameter RCP installed in 1956 and 24-inch diameter pipe corrugated metal pipe lined with CIPP in 1995. There is no history of root intrusion in the project area. The current project estimate includes cured-in-place lining of the RCP and VCP sanitary sewer mains installed in the 1950s and casting replacement.

Storm Sewer

Approximately 83 percent of the storm sewer in the project area was installed in 2000 when the neighborhood was reconstructed. The remaining pipe consists of 15-inch, 36-inch and 72-inch pipe installed in the backyards between 64th Avenue and 65th Avenue in 1956. The storm sewer in this neighborhood drains to Shingle Creek. The current cost estimate includes replacing storm structure castings and isolated portions of lateral storm sewer as necessary.

Street Lighting

The existing street light system contains underground power with fiberglass poles and standard light fixtures, which were installed in 2000. The current cost estimate includes replacement of two street lights that have not been replaced and upgrade all to LED luminaires.

Garden City North Area Mill and Overlay - 2029

The east portion of the Garden City Central project area extends from Brooklyn Boulevard to Xerxes Avenue from Interstate 94 to 63rd Avenue, and the west portion includes Halifax Drive, Grimes Avenue and France Avenue north of 63rd Avenue. The project area contains a total of 18,390 linear feet of local streets. The neighborhood consists of approximately 290 residential properties, one school property, 10 multi-family properties (R5) and four commercial properties.

Streets

The Garden City Central project area was last reconstructed in 2001. The streets within the project area consist of 30-foot wide roads with concrete curb and gutter. The current cost estimate assumes street improvements that consist of approximately 20 percent concrete replacement and a 2-inch mill and overlay in areas with no proposed utility replacement (81 percent of the project area). In utility replacement areas, the cost estimate assumes 50 percent curb replacement, 20 percent sidewalk replacement and full depth pavement replacement.

Water main

Approximately 85 percent of the water main in the Garden City North area was replaced with DIP in 2001 when the neighborhood was reconstructed. The remaining water main in the area consists of 6-inch and 8-inch CIP installed in 1956, 1959, 1962 and 1974. Records indicate there have been two water main breaks in the neighborhood on the older water main and one property in the area has experienced a frozen water service in past winters. The current project estimate includes replacing old water main in the areas west of Brooklyn Boulevard and at 65th Avenue and Xerxes Avenue. In the remainder of the project area the cost estimate assumes casting replacement only.

Sanitary Sewer

Approximately 68 percent of the sanitary sewer in the project area was replaced with PVC when the neighborhood was reconstructed in 2001. The remaining sanitary sewer consists of 8-inch diameter VCP installed in 1958, 15-inch diameter RCP installed in 1956 and 24-inch corrugated metal pipe lined with CIPP in 1995. Root sawing must be performed on all of the VCP in the area an annual basis to maintain the system conveyance capacity. The current project estimate includes replacement of the existing VCP and RCP sanitary sewer from the 1950s and casting replacement in the remaining areas.

Storm Sewer

Approximately 78 percent of the storm sewer in the project area was installed in 2001 when the neighborhood was reconstructed. The remaining pipe consists of 18-inch, 66-inch and 72-inch pipe installed in rear and side lot easements in 1956 and 1965. The storm sewer in this neighborhood drains to Shingle Creek. The current cost estimate includes replacing the older storm sewer in the 64th Avenue rear lot easement, structure casting replacement and isolated portions of lateral storm sewer as necessary.

Street Lighting

The existing street light system contains underground power with fiberglass poles and standard light fixtures, which were installed in 2001. The current cost estimate includes upgrading all lights to LED luminaires.

Garden City South Area Mill and Overlay - 2030

The Garden City South project area extends from Brooklyn Boulevard to Upton Avenue from Northway Drive to 61st Avenue, and includes Xerxes Avenue from Northway Drive to the Interstate 94 bridge. The project area contains a total of 19,418 linear feet of local streets. The neighborhood consists of approximately 256 residential properties, three church properties, one multi-family property (R5) and five commercial properties.

Streets

Xerxes Avenue is designated as a MSA Route. The Garden City South project area was last reconstructed in 2002. The local streets within the project area consist of 30-foot wide roads with concrete curb and gutter and Xerxes Avenue is a 70-foot wide road with a center median. The current cost estimate assumes street improvements that consist of approximately 20 percent curb replacement, a 2-inch mill and overlay on local streets, a 3-inch mill and overlay on Xerxes Avenue and 20 percent sidewalk replacement on Xerxes Avenue.

Water main

Approximately 34 percent of the water main in the Garden City South area was replaced with DIP in 2002 when the neighborhood was reconstructed. The remaining water main in the area consists of 6-inch, 8-inch and 12-inch CIP installed in 1956, 1961, 1964 and 1966. Records indicate there have been two water main breaks in the neighborhood on the older water main and two properties in the area have experienced frozen water services in past winters. The current project estimate includes lining the 1950s and 1960s water main in the area and insulating the frozen water services. In the remainder of the project area the cost estimate assumes casting replacement only.

Sanitary Sewer

Approximately 50 percent of the sanitary sewer in the project area was replaced with PVC when the neighborhood was reconstructed in 2002. The remaining sanitary sewer consists of 8-inch diameter VCP installed in 1957, 1958, 1964 and 1965, and sanitary force main consisting of 16-inch CIP installed in 1966. Root sawing must be performed on 20 percent of the VCP in the area on an annual basis to maintain the system conveyance capacity. The current project estimate includes lining of the existing VCP sanitary sewer from the 1950s and 1960s and casting replacement in the remaining areas.

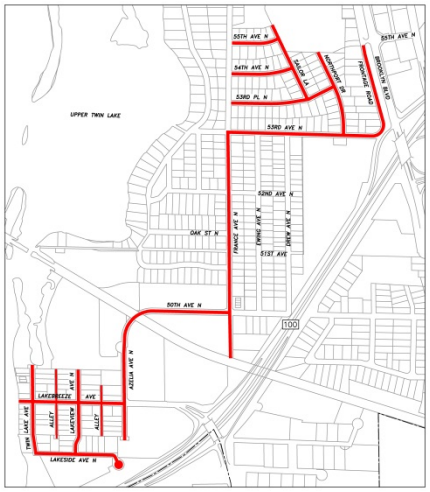
Storm Sewer

Approximately 61 percent of the storm sewer in the project area was installed in 2002 when the neighborhood was reconstructed. The remaining pipe consists of 15-inch to 27-inch and 72-inch RCP installed in 1956, 1964, 1965 and 1966. The storm sewer in this neighborhood drains to Shingle Creek. The current project estimate includes lining of the existing RCP storm sewer from the 1950s and 1960s and structure casting replacement as necessary.

Street Lighting

The existing street light system contains underground power with fiberglass poles and standard light fixtures, which were installed in 2002. The current cost estimate includes replacing the one wood pole with one fiberglass pole with a cut-off type LED light fixture and underground power on Xerxes Avenue north of 61st Avenue.

Southwest Area Improvements - 2031



The Southwest project area extends from France Avenue to Brooklyn Blvd from 53rd Avenue to 55th Avenue; Twin Lake Avenue to Azelia Avenue from Lakeside Avenue to the cul-de-sacs north of Lakebreeze Avenue; and includes Azelia Avenue, 50th Avenue from France to west the railroad tracks, and France Avenue from the south cul-de-sac to 53rd Avenue. The project area contains a total of 17,208 linear feet of local streets. The neighborhood consists of approximately 180 single family residential properties (R1 and R2), 36 multi-family properties (R4 and R5), 12 Industrial properties, one commercial property and one school.

Streets

The Brooklyn Boulevard service road, 53rd Avenue, France Avenue from 53rd Avenue to 50th Avenue, 50th Avenue, and Azelia Avenue from Lakebreeze Avenue to the railroad tracks are all designated as a MSA Routes. The Southwest project area was last reconstructed between 2002 and 2005. The local streets within the project area consist of 30-foot wide roads with concrete curb and gutter. The Brooklyn Blvd Service Road, 53rd Avenue and France Avenue are 32-foot wide roads, and Azelia Avenue from Lakebreeze Avenue to the railroad tracks is a 38-foot road. The current cost estimate assumes street improvements that consist of approximately 30 percent concrete replacement and a 2-inch mill and overlay.

Water main

Approximately 42 percent of the water main in the Southwest project area was replaced with DIP between 2002 and 2005 when the neighborhood was reconstructed. The remaining water main in the area consists of 6-inch, 8-inch, 10-inch and 12-inch CIP installed in 1956, 1958, 1960, 1961, 1961, 1964, 1968, and 1973. Records indicate there have been two water main breaks in the neighborhood on the older water main and three properties in the area have experienced frozen water services in past winters. The current project estimate includes lining the 1950s, 1960s and 1970s water main in the area and insulating the frozen water services. In the remainder of the project area the cost estimate assumes casting replacement only.

Sanitary Sewer

Approximately 60 percent of the sanitary sewer in the project area was replaced with PVC when the neighborhood was reconstructed between 2002 and 2005. The remaining sanitary sewer consists of 8-inch diameter VCP installed in 1960 and 1961, 15-inch RCP installed in 1956 and 8-inch PVC installed in 1977 and 1999. Root sawing must be performed on 30 percent of the VCP in the area on an annual basis to maintain the system conveyance capacity. The current project estimate includes lining of the existing VCP sanitary sewer from the 1950s and 1960s and casting replacement in the remaining areas.

Storm Sewer

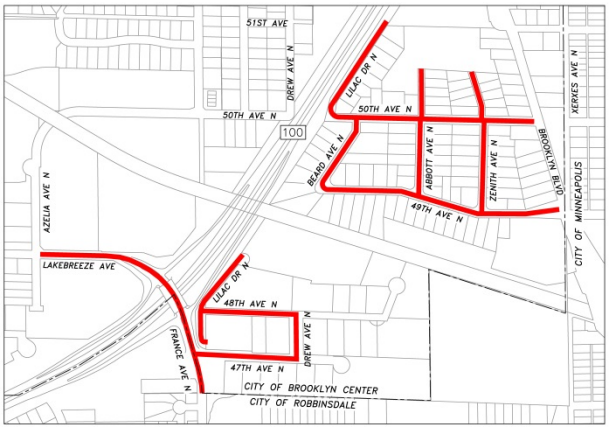
Approximately 82 percent of the storm sewer in the project area was installed between 2002 and 2005 when the neighborhood was reconstructed. The remaining pipe consists of 15-inch to 48-inch RCP installed in 1938 and 1957. The storm sewer in northeast portion of the project area flows to the ponds at Centerbrook Golf Course, and the southwest portion of the project area flow to Upper and Middle Twin Lakes. The current cost estimate includes replacing storm structure castings and isolated portions of lateral storm sewer as necessary.

Street Lighting

The existing street light system contains underground power with fiberglass poles and standard light fixtures, which were installed between 2002 and 2005. The current cost estimate includes replacing the standard light fixtures with a cut-off type LED light fixture.

Happy Hollow Area Improvements - 2032

The Happy Hollow project area extends from Lilac Drive to Brooklyn Boulevard and 49th Avenue to the extension of 51st Avenue; France Avenue to Drew Avenue from 47th Avenue to Lakebreeze Avenue; and includes Lakebreeze Avenue/France Avenue from Azelia Avenue to the southern City limits. The project area contains a total of 10,902 linear feet of local streets. The neighborhood consists of approximately 95 single family residential properties (R1), four multi-family properties (R5), 10 industrial properties, and one commercial property.



Streets

The Happy Hollow project area was last reconstructed between 2002 and 2005. Lakebreeze Avenue and France Avenue are designated as a MSA Routes. The local streets within the project area consist of 30-foot wide roads with concrete curb and gutter. Lilac Drive north of 50th Avenue is a 24-foot road, 47th Avenue is a 27-foot road, 48th Avenue is a 38-foot road, and the road width on Lakebreeze Avenue and France Avenue varies with concrete islands separating the driving lanes. The current cost estimate assumes street improvements that consist of approximately 30 percent concrete replacement and a 2-inch mill and overlay.

Water main

Approximately 84 percent of the water main in the Happy Hollow project area was replaced with DIP between 2002 and 2003 when the neighborhood was reconstructed. The remaining water main in the area consists of 6-inch, 8-inch and 10-inch CIP installed in 1958, 1960, 1964 and 1967. Records indicate there have been no water main breaks in the neighborhood and one property in the area has experienced a frozen water service in past winters. The current project estimate includes lining the 1950s and 1960s water main in the area and insulating the frozen water service. In the remainder of the project area the cost estimate assumes casting replacement only.

Sanitary Sewer

Approximately 75 percent of the sanitary sewer in the project area was replaced with PVC when the neighborhood was reconstructed between 2002 and 2003. The remaining sanitary sewer consists of 8-inch and 10-inch diameter VCP and CIP installed in 1960. The sanitary sewer on 50th Avenue owned and maintained by the Metropolitan Council and consists of 30-inch and 33-inch diameter reinforced RCP installed in 1955. Root sawing must be performed on 30 percent of the VCP in the area on an annual basis to maintain the system conveyance capacity. The current project estimate includes lining of the existing VCP and CIP sanitary sewer from 1960 and casting replacement in the remaining areas.

Storm Sewer

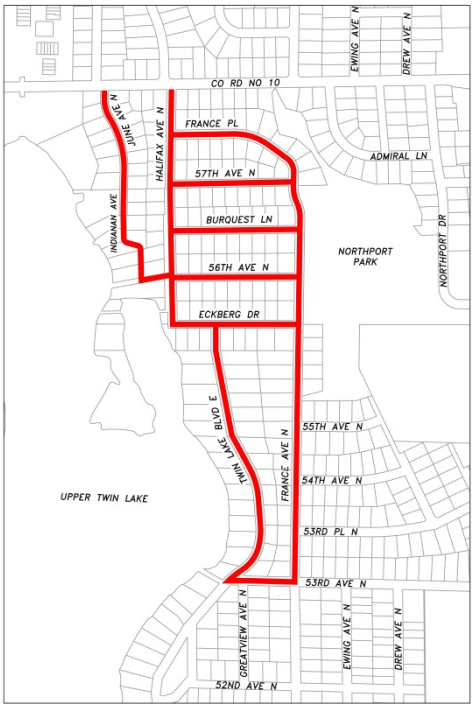
Approximately 84 percent of the storm sewer in the project area was installed between 2002 and 2005 when the neighborhood was reconstructed. The remaining pipe consists of 21-inch installed in 1953. The storm sewer in the project area flows to Ryan Lake and Middle Twin Lake. The current project estimate includes lining of the existing RCP storm sewer from the 1950s and structure casting replacement as necessary.

Street Lighting

The existing street light system contains underground power with fiberglass poles and standard light fixtures, which were installed in 2002. The current cost estimate includes replacing the two wood pole with one fiberglass pole with a cut-off type LED light fixture and replacing the standard light fixtures with a cut-off type LED light fixture.

Northport Area Improvements - 2033

The Northport project area extends from County Road 10 to 53rd Avenue and from June Avenue to France Avenue. The project area contains a total of 11,860 linear feet of local streets. The neighborhood consists of approximately 179 single family residential properties (R1).



Streets

The Northport project area was last reconstructed in 2004. Halfiax Avenue, Eckberg Drive and France Avenue south of Eckberg Drive are designated as a MSA Routes. Indiana Avenue contains a 24-foot wide road and the MSA Route contains 32-foot wide roads. The remaining local streets within the project area consist of 30-foot wide roads. All roads within the project area have concrete curb and gutter. The current cost estimate assumes street improvements that consist of approximately 25 percent concrete replacement and a 2-inch mill and overlay.

Water main

Approximately 99 percent of the water main in the Northport project area was replaced with DIP in 2004 when the neighborhood was reconstructed. The remaining water main in the area consists of 6-inch and 10-inch CIP installed between 1955 and 1967. Records indicate there have been no water main breaks in the neighborhood and no properties have experienced a frozen water service in past winters. The current project estimate includes assumes casting replacement.

Sanitary Sewer

All of the sanitary sewer in the project area was replaced with PVC when the neighborhood was reconstructed in 2004. The current project estimate includes casting replacement.

Storm Sewer

Approximately 96 percent of the storm sewer in the project area was installed in 2004 when the neighborhood was reconstructed. The remaining pipe consists of 15-inch and 18-inch pipe installed in 1960. The storm sewer in the project area flows to Upper Twin Lake and a stormwater ponds at Northport Park. The current project estimate includes casting replacement as necessary.

Street Lighting

The existing street light system contains underground power with fiberglass poles and standard light fixtures, which were installed in 2004. The current cost estimate assumes no street light replacements.

Water Main and Sanitary Sewer Improvements

Lift Station No. 2 Rehabilitation and Mississippi River Trunk Sewer Lining- 2019
Lift Station No. 2 was constructed in 1991 and is located just east of Lyndale Avenue and 55th Avenue. The backup generator is a 1981 model with a typical lifespan of 35 years. Both the generator and switchgear are proposed to be replaced. New pumps, guide rails and piping, electrical main breakers, starters/contactors, overloads, programmable logic controller, HOA's and UPS are also included in the rehabilitation. We also need to include improvements from the Facility Dude generated list, which includes replacement of gate/fence, roof, heater, main switchgear and secondary transformer. Also asphalt pavement, parking lot, seal and stripe. The Mississippi River trunk sanitary sewer lining project extends from the manhole which is 260' south of 57th Avenue on Lyndale Avenue to Lift Station No. 2. The existing line is 1,177-feet of 24-inch reinforced concrete pipe (RCP). Lining this section of pipe will require an extensive bypass. This is the main trunk line that carries the sewage to Lift Station No. 2.

Well Nos. 2 and 3 Rehabilitation - 2019
The rehabilitation of both wells was completed in 2013. Both wells need complete rehabilitation (motors, pumps, MCC and SCADA upgrades).

Lift Station No. 8 Rehabilitation - 2020
This project includes the rehabilitation of lift station No. 8 with a full evaluation of pumps, control equipment and appurtenances.

Water Tower No. 1 Painting - 2020
Water Tower No. 1, a 500,000 gallon elevated storage tank located at 69th Avenue and France Avenue, was constructed in 1958. In 1988 spot repairs of the existing interior were completed (wet area repaired with coal tar/epoxy coating) and the exterior coating system was completely replaced. In 1999 the interior wet coating system was completely replaced and the exterior coating was spot repaired, power washed and a urethane top coat was applied to the existing system. The estimated service life for the 1999 paint coating was 15 to 20 years. This tank was inspected in 2009. Both the interior and exterior coatings required no repairs at that time. The 2009 recommendation was to re-inspect every five years. The tower was again inspected in 2014 and was determined to be in satisfactory condition but needing full replacement within five to six years. The tower is planned to be reinspected in 2019 with rehabilitation in 2020.

Well No. 5 Rehabilitation - 2020
The rehabilitation of the well was completed in 2014. The well needs complete rehabilitation (motor, pumps, MCC and SCADA upgrades).

Lift Station No. 9 Rehabilitation - 2021
This project includes the rehabilitation of lift station No. 9 with a full evaluation of pumps, control equipment and appurtenances.

Lift Station No. 9 Force Main Replacement - 2021
The existing force main located south of lift station No. 9 was installed in 1969 and consists of 12-inch DIP, which was verified in 2010 through an exploratory open excavation. Approximately 1,300-feet is proposed to be replaced.

Well No. 10 and High Service Pump (HSP) Rehabilitation (BW) - 2021
The rehabilitation of the well was completed in 2015. The well needs complete rehabilitation (motors, pumps, MCC and SCADA upgrades). HSP (backwash) started operation in 2015 with the new Water Treatment Plant. The HSP needs complete rehabilitation of motor, shaft and pump.

Freeway and Highway Utility Crossing Replacement - 2022
This project includes lining approximately 2,600' of sanitary sewer pipes that were installed between 1955 and 1992 which cross under Interstate 94, Interstate 694, Highway 100, and Highway 252. This project also includes replacement of approximately 1,500' of watermain which varies in sizes from 6-inch to 10-inch diameter cast iron pipe (CIP) that was installed between 1961 and 1968 under Highway 252. The watermain replacements would be coordinated with the TH 252/66th Avenue Interchange and 70th Avenue Pedestrian Overpass project.

Well No. 7 and Water Treatment Plant HSP No. 1 - 2022
The rehabilitation of the well was completed in 2016. Well needs complete rehabilitation of motor and pump. High Service Pump No. 1 started operation in 2015 with the new Water Treatment Plant. The HSP needs complete rehabilitation of motor and pump.

Lift Station Nos. 3 and 4 Rehabilitation - 2023
This project includes the rehabilitation of lift station No. 3 and No. 4 with a full evaluation of pumps, control equipment and appurtenances.

Well Nos. 4 and 9; Water Treatment Plant HSP No. 2 - 2023
The rehabilitation of both wells was completed in 2017. Both wells need complete rehabilitation (motors, pumps, MCC and SCADA upgrades). High Service Pump No. 2 started operation in 2015 with the new Water Treatment Plant. The HSP needs complete rehabilitation of motor and pump.

Well Nos. 6 and 8; Water Treatment Plant HSP No. 3 - 2024
The rehabilitation of both wells will be completed in 2018. Both wells need complete rehabilitation (motors, pumps, MCC and SCADA upgrades). High Service Pump No. 3 started operation in 2015 with the new Water Treatment Plant. The HSP needs complete rehabilitation of motor and pump.

Well Nos. 2 and 3; Water Treatment Plant HSP No. 4 - 2025
The rehabilitation of both wells will be completed in 2019. The wells need complete rehabilitation of motor and pump. High Service Pump No. 4 started operation in 2015 with the new Water Treatment Plant. The HSP needs complete rehabilitation of motor and pump.

Water Meter Full System Replacement- 2025
This project will include the complete replacement of the water meter reading system. This will include new meter registers, meter body, battery, reading software and reading hardware. The decision will need to be made to continue with the mobile drive by reading or fully move to the fixed read network.

Lift Station Nos. 5 and 6 Rehabilitation - 2026
This project includes the rehabilitation of lift station No. 5 and No. 6 with a full evaluation of pumps, control equipment and appurtenances.

Well No. 5 and Water Treatment Plant HSP (BW) - 2026
The rehabilitation of the well will be completed in 2020. The well needs complete rehabilitation of motor and pump. The rehabilitation of High Service Pump (BW) was last completed in 2021. The HSP needs complete rehabilitation of motor and pump.

Well No. 10 and Water Treatment Plant HSP No. 1 - 2027
The rehabilitation of the well will be completed in 2021. Well needs complete rehabilitation of motor and pump. The rehabilitation of High Service Pump No. 1 was last completed in 2022. The HSP needs complete rehabilitation of motor and pump.

Well No. 7 and Water Treatment Plant HSP No. 2 - 2028
The rehabilitation of the well will be completed in 2022. Well needs complete rehabilitation of motor and pump. The rehabilitation of High Service Pump No. 2 was last completed in 2023. The HSP needs complete rehabilitation of motor and pump.

Lift Station Nos. 7 and 10 Rehabilitation - 2029
This project includes the rehabilitation of lift station No. 7 and No. 10 with a full evaluation of pumps, control equipment and appurtenances.

Well Nos. 4 and 9; Water Treatment Plant HSP No. 3 - 2029
The rehabilitation of both wells will be completed in 2023. Both wells need complete rehabilitation of motor and pump. The rehabilitation of High Service Pump No. 3 was last completed in 2024. The HSP needs complete rehabilitation of motor and pump.

Sanitary Sewer Lining (Mississippi River Trunk North of I-694 to 70th Avenue/Willow Lane) - 2030
This project extends from the manhole at 70th Avenue and Willow Lane to the Manhole at the dead end, north of Interstate 694 on Willow Lane. The existing line is 4,178-feet of 18-inch reinforced concrete pipe (RCP) and 1,451-feet of 21-inch RCP. This is the main trunk line that carries the sewage out of the NE quadrant of the City to Lift Station No. 2.

Lift No. 2 Forcemain Lining (Under I-94) - 2030
The existing 406-foot section of 16-inch DIP forcemain, located under I-94 at 52nd Avenue in Minneapolis, was installed in 1980 with the I-94 project. The projected life span of this section of pipe is 50 years. Lining this section of pipe will require an extensive bypass as well as an open excavation on the eastside of I-94. In 2008 a new forcemain was installed from lift station No. 2 to the I-94 crossing on the east side of 52nd Avenue.

Well Nos. 6 and 8; Water Treatment Plant HSP No. 4 - 2030
The rehabilitation of both wells will be completed in 2024. Both wells need complete rehabilitation of motor and pump. The rehabilitation of High Service Pump No. 4 was last completed in 2025. The HSP needs complete rehabilitation of motor and pump.

Lift Station No. 1 Generator Replacement – 2031
This project will be a replacement of the generator only. The closed transition generator transfer switch will have been replaced in a prior year. The existing generator is a 1996 model with a typical lifespan of 35 years.

Well Nos. 2 and 3; Water Treatment Plant HSP (BW) - 2031
The rehabilitation of both wells will be completed in 2025. The wells need complete rehabilitation of motor and pump. The rehabilitation of High Service Pump (BW) was last completed in 2026. The HSP needs complete rehabilitation of motor and pump.

Well No. 5 and Water Treatment Plant HSP No. 1 - 2032
The rehabilitation of the well will be completed in 2026. The well needs complete rehabilitation of motor and pump. The rehabilitation of High Service Pump No. 1 was last completed in 2027. The HSP needs complete rehabilitation of motor and pump.

Well No. 10 and Water Treatment Plant HSP No. 2 - 2033
The rehabilitation of the well will be completed in 2027. The well needs complete rehabilitation of motor and pump. The rehabilitation of High Service Pump No. 2 was last completed in 2028. The HSP needs complete rehabilitation of motor and pump.

Street Light and Traffic Signal Improvements

Traffic Signal System Rehabilitation (Shingle Creek Parkway/Summit Avenue) - 2021
The traffic signal system was evaluated for needed system improvements and documented in a report dated December 2014. Proposed improvements contain complete system rehabilitation and replacement including video detection, EVP, countdown pedestrian heads, APS and flashing yellow left turn arrow upgrade.

Traffic Signal System Rehabilitation (Shingle Creek Parkway/John Martin Drive) - 2021
The traffic signal system was evaluated for needed system improvements and documented in a report dated December 2014. Proposed improvements contain complete system rehabilitation and replacement including video detection, EVP, countdown pedestrian heads, APS and flashing yellow left turn arrow upgrade.

Earle Brown/Opportunity Area Street Light Replacement (Ornamental at Nodes) - 2023
The 35 ornamental lights located within the Earle Brown area at the nodes (intersections) along a portion of Shingle Creek Parkway, Summit Drive, Earle Brown Drive and John Martin Drive were installed in 1986. The typical life expectance of this lighting system is approximately 30 years. The City has no remaining replacement poles or luminaires that match the existing system and matching luminaires are no longer available from suppliers. The existing system is generally rated in fair to poor shape with increasing maintenance costs. The project includes replacement of the existing decorative lighting system at the intersections/nodes with a new, advanced system using current technology.

Traffic Signal System Rehabilitation (Shingle Creek Parkway/Brookdale Square) - 2025
The traffic signal system was evaluated for needed system improvements and documented in a report dated December 2014. Proposed improvements contain complete system rehabilitation and replacement including video detection, EVP, countdown pedestrian heads, APS and flashing yellow left turn arrow upgrade. Coordination with the future development of the Opportunity Site must also occur with this improvement project.

Brooklyn Boulevard (65th to Brooklyn Park Border) Street Light Replacement - 2032
The 76 street lights north of 65th Avenue to the Brooklyn Park border will have reached their proposed lifecycle and need to be replaced. Proposed 35’ painted aluminum poles with LED shoebox style fixture. The light pole bases and wire should not need to be replaced.

Traffic Signal System Rehabilitation (65th Avenue/Dupont Avenue) - 2033
The traffic signal system was installed in 1990 and partially rehabilitated in 2007. According to MnDOT, the expected useful service life of a traffic signal system is approximately 30 years. The traffic signal system will be evaluated for needed system improvements. Proposed improvements are anticipated to contain complete system rehabilitation and replacement including video detection, EVP, countdown pedestrian heads, APS and flashing yellow left turn arrow upgrade.

Traffic Signal System Rehabilitation (66th Avenue/Camden Avenue) - 2033
The traffic signal system was installed in 1999. According to MnDOT, the expected useful service life of a traffic signal system is approximately 30 years. The traffic signal system will be evaluated for needed system improvements. Proposed improvements are anticipated to contain complete system rehabilitation and replacement including video detection, EVP, countdown pedestrian heads, APS and flashing yellow left turn arrow upgrade.

Capital Maintenance Building Plan

Yearly Capital Maintenance Building Plan Projects

In 2007 the City approved an 18-year Capital Building Maintenance Plan that includes short and long-term building and facility improvements. The following buildings and facilities are covered under this plan: city hall, community center, public works facility, public works cold storage building, public works salt/sand storage building, police station, west fire station, east fire station, Centerbrook Golf Course club house, Centerbrook Golf Course maintenance building, Centerbrook Golf Course storage garage, sanitary lift station Nos. 1 and 2, municipal well Nos. 2-10, Evergreen Park building, Garden City Park building, Centennial Park west building, Centennial Park plaza, Centennial Park gazebo, Kylawn Park building and West Palmer Park building. In 2016, the 2007 plan was replaced with the new asset management planning program (Facility Dude). Thereafter, CIP projects will be updated starting in the 2017 budgeting process using Facility Dude.

Storm Water Improvements

Storm Water Management Basins

In 2015 the City hired WSB and Associates to conduct a condition assessment of the City-maintained storm sewer system and storm water management ponds located throughout the City. The assessment process resulted in a list of improvements to address problems with erosion, sediment accumulation, inlet and outlet blockages and other miscellaneous maintenance issues. Below are improvement projects that are part of the City's Storm Drainage Utility, using the City's Storm Water Asset Management Plan (SWAMP) program developed by WSB and Associates that uses an annual sediment loading rate to predict sediment accumulation for project prioritization.

Storm Water Pond 26-004 - 2019

Pond 26-004 is located north of 50th Avenue and west of the commercial property at 3800 50th Avenue. The pond receives runoff from approximately 10.4 acres of upstream commercial and industrial development. This pond was constructed in 2001. The performance of this pond is limited due to the accumulation of sediment and the abundance of wetland plants and cattails. The proposed work consists of the removal of sediment and vegetation to restore the water quality treatment performance of the pond.

Storm Water Pond 26-006 - 2019

Pond 26-006 is located adjacent to 50th Avenue. The pond receives runoff from approximately five acres of road and industrial property parking lots. This pond was constructed in 2002. The proposed work consists of the removal of sediment to restore the water quality treatment performance of the pond.

Storm Water Pond 35-003 - 2019

Pond 35-003 is located west of Oliver Avenue within East Palmer Lake. The pond receives runoff from approximately 14 acres of upstream residential development. This pond was constructed in 2000. The performance of this pond is limited due to the accumulation of sediment and the abundance of wetland plants and cattails. The proposed work consists of the removal of sediment and vegetation to restore the water quality treatment performance of the pond.

Storm Water Pond 35-004 - 2019

Pond 35-004 is located west of Oliver Avenue within East Palmer Lake. The pond receives runoff from approximately 14 acres of upstream residential development. This pond was constructed in 2000. The performance of this pond maybe limited due to the accumulation of sediment. The proposed work consists of the removal of sediment and installation of skimmer to improve the water quality treatment performance of the pond.

Storm Water Pond 40-001 - 2020
Pond 40-001 is located east of Palmer Lake Road. The pond receives runoff from approximately 176 acres of upstream residential development. This pond was constructed in 2000. The performance of this pond is limited due to the accumulation of sediment. The proposed work consists of the removal of sediment to restore the water quality treatment performance of the pond.

Storm Water Pond 12-001- 2022
Pond 12-001 is located north of 53rd Avenue at the end of Upton Avenue adjacent the Centerbrook Golf Course. The pond receives runoff from approximately 0.5 acres of park land, but is part of a chain of ponds providing storm water treatment. This pond was constructed in 1997. The proposed work consists of the removal of sediment and the installation of a skimmer to improve water quality treatment performance of the pond.

Storm Water Pond 12-006 - 2022
Pond 12-006 is located in Lions Park adjacent to the Centerbrook Golf Course. The pond receives runoff from approximately 42 acres of upstream residential development. This pond was constructed in 2005. The proposed work consists of the removal of sediment to restore the water quality treatment performance of the pond.

Storm Water Pond 57-003 - 2022
Pond 57-003 is located north of 69th Avenue just north of the City's Public Works facility. The pond receives runoff from approximately 3.0 acres of upstream park and trail runoff. This pond was constructed in 1996. The performance of this pond is limited due to the accumulation of sediment and the abundance of wetland plants and cattails. The proposed work consists of the removal of sediment and vegetation to restore the water quality treatment performance of the pond.

Storm Water Pond 48-001 - 2023
Pond 48-001 is located south of Odyssey Academy. The pond receives runoff from approximately 54 acres of upstream residential development. This pond was constructed in 1997. The proposed work consists of the removal of sediment and vegetation to restore the water quality treatment performance of the pond.

Storm Water Pond 17-001 - 2025
Pond 17-001 is located north of 65th Avenue. The pond receives runoff from approximately 85 acres of upstream residential development. The performance of this pond maybe limited due to the accumulation of sediment. The proposed work consists of the removal of sediment to restore the water quality treatment performance of the pond.

Storm Water Pond 41-001 - 2026
Pond 41-001 is located east of 7100 Brooklyn Boulevard. The pond receives runoff from approximately 30 acres of residential and commercial development and has access issues. This pond was constructed in 1995. The proposed work consists of removal of sediment, bank stabilization to control erosion and the installation of a skimmer to enhance the water quality treatment performance of the pond.

Storm Water Pond 41-002 - 2026
Pond 41-002 is located north of Woodbine Lane and west of France Avenue. The pond receives runoff from approximately 36 acres of upstream residential development. This pond was constructed in 1995. The performance of this pond is limited due to the accumulation of sediment. The proposed work consists of the removal of sediment to restore the water quality treatment performance of the pond.

Storm Water Pond 53-001 - 2026
Pond 53-001 is located between Beard Avenue and Zenith Avenue adjacent to 69th Avenue. The pond receives runoff from approximately 35 acres of upstream residential development. This pond was constructed in 1993. The performance of this pond is limited due to the accumulation of sediment and the abundance of wetland plants and cattails. The proposed work consists of the removal of sediment and vegetation to restore the water quality treatment performance of the pond.

Storm Water Pond 11-001 - 2029
Pond 11-001 is located near the parking lot at Centerbrook Golf Course. The pond receives runoff from approximately 33 acres of upstream residential development. This pond was constructed in 2006. The performance of this pond maybe limited due to the accumulation of sediment. The proposed work consists of the removal of sediment to restore the water quality treatment performance of the pond.

Storm Water Pond 59-003 - 2029
Pond 59-003 is located north of the parking lot at Brooklyn Center Community Center. The pond receives runoff from approximately 1.7 acres of upstream parking lot runoff. This pond was constructed in 2001. The performance of this pond is limited due to the accumulation of sediment and the abundance of wetland plants and cattails. The proposed work consists of the removal of sediment and vegetation to restore the water quality treatment performance of the pond.

Storm Water Pond 60-003 - 2029
Pond 60-003 is located south of the parking lot at City Hall. The pond receives runoff from approximately 2.0 acres of upstream parking lot runoff. This pond was constructed in 2001. The performance of this pond is limited due to the accumulation of sediment and the abundance of wetland plants and cattails. The proposed work consists of the removal of sediment and vegetation to restore the water quality treatment performance of the pond.

Storm Water Pond 63-001 - 2029
Pond 63-001 is located north of the parking lot at the Community Center. The pond receives runoff from approximately 4.0 acres of upstream street runoff. The performance of this pond maybe limited due to the accumulation of sediment. The proposed work consists of the removal of sediment to restore the water quality treatment performance of the pond.

Storm Water Pond 63-002 - 2029
Pond 63-002 is located adjacent to Shingle Creek Parkway. The pond receives runoff from approximately 3.0 acres of upstream street runoff. The performance of this pond is limited due to the accumulation of sediment. The proposed work consists of the removal of sediment and vegetation to restore the water quality treatment performance of the pond.

Storm Water Pond 64-001 - 2029
Pond 64-001 is located adjacent to Shingle Creek Parkway. The pond receives runoff from approximately 0.5 acres of upstream runoff but the pond is mostly part of the larger pond network at the City Hall complex. The proposed work consists of the removal of sediment to restore the water quality treatment performance of the pond.

Storm Water Pond 57-004 - 2030
Pond 57-004 is located north of 69th Avenue with the Palmer Lake Park. The pond receives runoff from approximately 4.0 acres of upstream street runoff. This pond was constructed in 1999. The performance of this pond is limited due to the accumulation of sediment and the abundance of wetland plants and cattails. The proposed work consists of the removal of sediment and vegetation to restore the water quality treatment performance of the pond.

Storm Water Pond 57-005 - 2030
Pond 57-005 is located adjacent to the west of the Public Works facility. The pond receives runoff from approximately 5.0 acres of upstream runoff from the Public Works yard. This pond was constructed in 1980. The performance of this pond is limited due to the accumulation of sediment and the abundance of wetland plants and cattails. The proposed work consists of the removal of sediment and vegetation to restore the water quality treatment performance of the pond.

Storm Water Pond 26-005 - 2031
Pond 26-005 is located west of the intersection of Twin Lake Road and 51st Avenue. The pond receives runoff from approximately 10 acres of upstream residential development. This pond was constructed in 1991. The performance of this pond is severely limited due to the accumulation of sediment. The proposed work consists of removal of sediment to enhance the water quality treatment performance of the pond and repairs to the skimmer structure on the pond's outlet.

Storm Water Pond 70-002 - 2031
Pond 70-002 is located at the intersection of 65th Avenue and Willow Lane. The pond receives runoff from approximately 3.5 acres of upstream residential runoff. This pond was constructed in 2001. The proposed work consists of the removal of sediment to restore the water quality treatment performance of the pond.

Storm Water Pond 12-002 - 2032
Pond 12-002 is located on the Centerbrook Golf Course. The pond receives runoff from approximately 356.3 acres of upstream residential, commercial and highway runoff. This pond was constructed in 1998. The proposed work consists of the removal of sediment and vegetation to restore the water quality treatment performance of the pond.

Storm Water Pond 12-004 - 2032
Pond 12-004 is located on the Centerbrook Golf Course. The pond receives runoff from approximately 19.7 acres of upstream commercial and golf course runoff. This pond was constructed in 1998. The proposed work consists of the removal of sediment and vegetation to restore the water quality treatment performance of the pond.

Storm Water Pond 12-005 - 2032
Pond 12-005 is located on the Centerbrook Golf Course. The pond receives runoff from approximately 0.80 acres of upstream golf course runoff. This pond was constructed in 1998. The proposed work consists of the removal of sediment and vegetation to restore the water quality treatment performance of the pond.

Storm Water Pond 18-001 - 2032
Pond 18-001 is located west of France Ave at 57th Ave. The pond receives runoff from approximately 112.8 acres of upstream residential runoff. This pond was constructed in 1980. The proposed work consists of the removal of sediment and vegetation to restore the water quality treatment performance of the pond.

Connections at Shingle Creek Phase 2 - 2019
In 2015-2016 the City partnered with the Shingle Creek Watershed Management Commission and the City of Brooklyn Park to complete the Connections at Shingle Creek Restoration Project Phase 1 from Brooklyn Boulevard to Noble Avenue. A Phase 2 planning project from Regent Avenue to Brooklyn Boulevard needs to be completed to determine the extent of the stabilization required. The City will look into a possible partnership with the Shingle Creek Watershed Management Commission to help fund this project along with working with the City of Brooklyn Park.

70th Avenue Storm Sewer Trunk Line Rehabilitation - 2019
Constructed in 1960, the storm sewer from 70th Avenue and Willow Lane to the outlet on the Mississippi River has deteriorated and needs to be rehabilitated to increase the longevity of the pipe.

61st Avenue and Perry Avenue Storm Sewer Improvement - 2021
The storm sewer at 61st Avenue and Perry Avenue has joint failures and sink holes which are leaking and causing sediment transfer. The storm sewer will need to be evaluated and rehabilitated.

65th Avenue Trunk Storm Sewer Rehabilitation - 2021
The trunk line along 65th Avenue between Cahlander Park and Shingle Creek is deteriorating. A pipe joint repair project was completed in the 1990's. The storm sewer will need to be evaluated and rehabilitated.

Park and Trail Improvements

Bridge Rehabilitation (4 Bridges) - 2019
Proposed bridge rehabilitation including concrete deck sealing, miscellaneous concrete repair and railing repair/painting to the 69th Avenue bridge, the two Shingle Creek Parkway bridges and the Freeway Boulevard all spanning Shingle Creek.

Park Playground Equipment Replacement – 2019 through 2021
Proposed replacement includes replacing park playground equipment over a three year period. A total of 20 parks located within Brooklyn Center contain 21 separate playground equipment areas, 18 that are maintained by the City and three that are maintained by the adjacent schools.
Six playgrounds are scheduled for replacement each year over the three year period. An assessment of the playground equipment will need to be completed to determine replacement priority. 2019: Freeway, Northport, Centennial West, Orchard, Firehouse and Lions Parks. 2020: West Palmer, Riverdale, Bellvue, Grandview, Marlin, Evergreen exercise area. Depending on the vendor we may be able to purchase the equipment the year before install for tremendous savings (40 percent). Maybe program these for 2018-2021 with each being a two year project (purchase in 2018, build in 2019 etc. for three years).

Brooklyn Boulevard City Entrance Signs Rehabilitation - 2020
Proposed improvement includes replacing the entrance sign located along Brooklyn Boulevard at the Brooklyn Park border to match the entrance monument sign at the Minneapolis border that was installed in 2019 with the Brooklyn Boulevard Corridor project.

Miscellaneous Park Parking Lot Mill and Overlay - 2022
This project includes performing a 1.5” mill and overlay on the parking lots of Orchard Lane Park, Palmer Lake Park, East Palmer Park and the northwest parking lot of Northport Park. An evaluation of the curb and gutter will be performed for each parking lot to include miscellaneous curb replacements and pedestrian curb ramps will also be updated to current standards as needed. Replacement of the trail from the Palmer Lake parking lot to the Lake will also be included with this project.

West River Road, Arboretum, Freeway, Palmer Lake and Northport Trails Reconstruction - 2022
Replace the bituminous trail along West River Road from 73rd Avenue to 66th Avenue. A ten-foot wide trail section is proposed. The status of this project was reevaluated in 2017, pending possible jurisdictional transfer of the trail from the City to the Three Rivers Park District as part of their regional West Mississippi River Trail development. Proposed replacement of the trail system within the fenced Arboretum area. Remove existing bituminous and replace with a new eight-foot wide bituminous trail. Replace the trail system within Freeway Park. An eight-foot wide trail section is proposed. This project will need to be coordinated with the reorganization of the Mound Cemetery and Freeway Park properties in consideration of the leased area from the cemetery. Resurface the existing trail system extending around Palmer Lake including the parking lots at the nature area and east Palmer. This trail was last reconstructed in 2005 with an expected maximum service life of 15 to 20 years due to the soil stability issues within the park area. Replace the trail system within Northport Park. An eight-foot wide trail section is proposed.

Evergreen Park Scoreboard Improvements - 2023
Proposed construction includes installing new scoreboards at the two softball fields, one at baseball field and replacement of the scoreboard at the soccer/football field.

Centennial Park Softball Field Improvements - 2024
The Centennial Park softball fields experience settlement due to the underlying organic soils. Over the years settlement has occurred approximately one-foot. This is evident in the fact that the light base foundations within the ball field areas have generally held their original elevations and are higher than the surrounding ground. Due to the proximity to Shingle Creek and the low lying areas, this settlement causes increased flooding and drainage issues. The proposed plan includes raising the ball fields one to two-feet and replacement of any necessary appurtenances including irrigation systems, draintile, fences, bituminous/concrete trails and other paved areas. A feasibility and geotechnical study will be performed prior to evaluate options of the flood plain, frequent flooding and continuous ongoing field settlement. Proposed construction includes replacement of the two scoreboards at the two softball fields at Centennial Park (east).

Park Name Sign Replacement - 2025
This project includes the replacement of all 30 park name signs in all of the City Parks.

Hockey Rink Rehabilitation/Replacements - 2026
Proposed rehabilitation includes resurfacing five existing rinks with other miscellaneous rink repairs. An assessment of the rink appurtenances will need to be completed to determine replacement needs. The rink located at Northport Park will be further evaluated with the Northport Park improvements and master planning being conducted in connection with the Northport School rehabilitation.

Irrigation Systems Rehabilitation/Replacements - 2026
The City's irrigation systems are located as follows: Evergreen Park, Centennial Park, Northport Park, Grandview Park, 69th Avenue, Public Works Garage Facility, West Fire Station, Shingle Creek Parkway, 53rd Avenue (Bellvue area), Xerxes Avenue, Bass Lake Road and County Road 57. The proposed rehabilitation project includes rehabilitation of the Evergreen Park and the 69th Avenue systems, which were installed in 1986 and 1989 respectively.

Softball/Baseball Fence Replacement - 2027
Replace the line and outfield fences at West Palmer Lake Park.

69th Avenue Trail Reconstruction – 2027
Replace the trail system along 69th Avenue from Brooklyn Boulevard to West Palmer Lake Drive. A nine-foot wide trail section is proposed.

69th Avenue Landscape Rehabilitation - 2027
Proposed construction would include irrigation updates and replacing the landscape plantings and sod along 69th Avenue from Brooklyn Boulevard to West Palmer Lake Drive.

Park Trail and Parking Lot Lighting Improvements - 2028
Replace trail and parking lot lights with LED fixtures, fiberglass poles, new wire in conduit in the following parks: Evergreen, Bellvue, Lions, Centennial East and Centennial West. Work would also include replacing the electrical cabinets in Bellvue and Lions parks.

Park Bleacher Replacement - 2031
Replace six 5-row and seven 3-row bleachers used in various parks.

Park Bleacher Replacement - 2032
Replace four 10-row bleachers used in Centennial Park (softball and soccer).

Evergreen Park Football/Soccer Field Improvements - 2033
Proposed improvements around the soccer/football field include fence replacement, evaluation of the bleachers for replacement and miscellaneous improvements to the announcers/scorers booth. Aesthetic improvements around the field will include replacement of trees and shrubs that are impacted by the fence replacement as needed.

Miscellaneous Projects and Improvements

Brooklyn Boulevard Corridor Project (49th Avenue to Bass Lake Road) - 2019
The proposed Brooklyn Boulevard reconstruction/modernization project will improve roadway safety, enhance traffic operations, reduce access points and provide improved bicycle and pedestrian facilities for a 1.3-mile segment of the corridor in Brooklyn Center between 49th Avenue and Bass Lake Road (County Road 10). The project will enhance bicycle and pedestrian travel by adding a trail, improving sidewalks, transit stops, adding streetscaping and landscaping and improving the functionality of intersections with modified turn lanes. Several free right turn lanes will be reconfigured to improve sight lines. Overhead utilities will be moved underground. The City completed the Brooklyn Boulevard Corridor Study in 2013 to guide the reconstruction and redevelopment of this corridor. This project consists of Project Nos. 1, 2, 4, 5, 6 and 6A from the Corridor Study. Lilac Drive will also be extended from New Millennium Academy to the TH 100 south ramp. Brooklyn Boulevard from Bass Lake Road to the southerly City limits (49th Avenue) is a Hennepin County roadway (County Road 152) under their jurisdiction. Federal funding through the Surface Transportation Program has been awarded to the City and Hennepin County for this project and the regional Transportation Improvement Plan has been amended to include this project. The local partnerships and proportions have determined including Hennepin County funding, Minneapolis funding, Three Rivers Park District funding and City of Brooklyn Center funding.

Miscellaneous Retaining Wall Replacements - 2020
The proposed project includes replacing the retaining wall at the Lilac Drive curve just south of County Road 57 at 2121 Lilac Drive with wet cast stone retaining wall and replacing the retaining walls located at the south end of Azelia Avenue (dead end turnaround location) with wet cast stone retaining walls. The project also includes replacing the retaining walls at Northport Drive/Bass Lake Road and also in front of Mound Cemetery with a keystone type retaining wall.

Brooklyn Boulevard Corridor Projects 8, 9 and 10 (Bass Lake Road to Interstate 94) - 2021
The proposed Brooklyn Boulevard reconstruction/modernization project will improve roadway safety, enhance traffic operations, reduce access points and provide improved bicycle and pedestrian facilities for a 0.8-mile segment of the corridor in Brooklyn Center between Bass Lake Road (County Road 10) and Interstate 94. The project will enhance bicycle and pedestrian travel by adding a trail, improving sidewalks, transit stops, adding streetscaping and landscaping and improving the functionality of intersections with modified turn lanes and access control throughout the corridor. Overhead utilities will be moved underground. The City completed the Brooklyn Boulevard Corridor Study in 2013 to guide the reconstruction and redevelopment of this corridor. This project consists of Project Nos. 8, 9 and 10 from the Corridor Study. The funding partnership and proportions are to be determined in the future but are anticipated to include federal funding, Hennepin County funding, Three Rivers Park District funding and City funding.

TH 252/66th Avenue Interchange and 70th Avenue Pedestrian Overpass - 2021
The proposed interchange and overpass project will improve roadway safety, enhance traffic operations, reduce access points and provide improved bicycle and pedestrian facilities, converting the southerly portion of TH 252 to a freeway. The City completed the TH 252 Feasibility Study in 2016 to guide converting this corridor to a freeway. The funding partnership and proportions are to be determined in the future but are anticipated to include federal funding, City funding and other regional legislative funding.

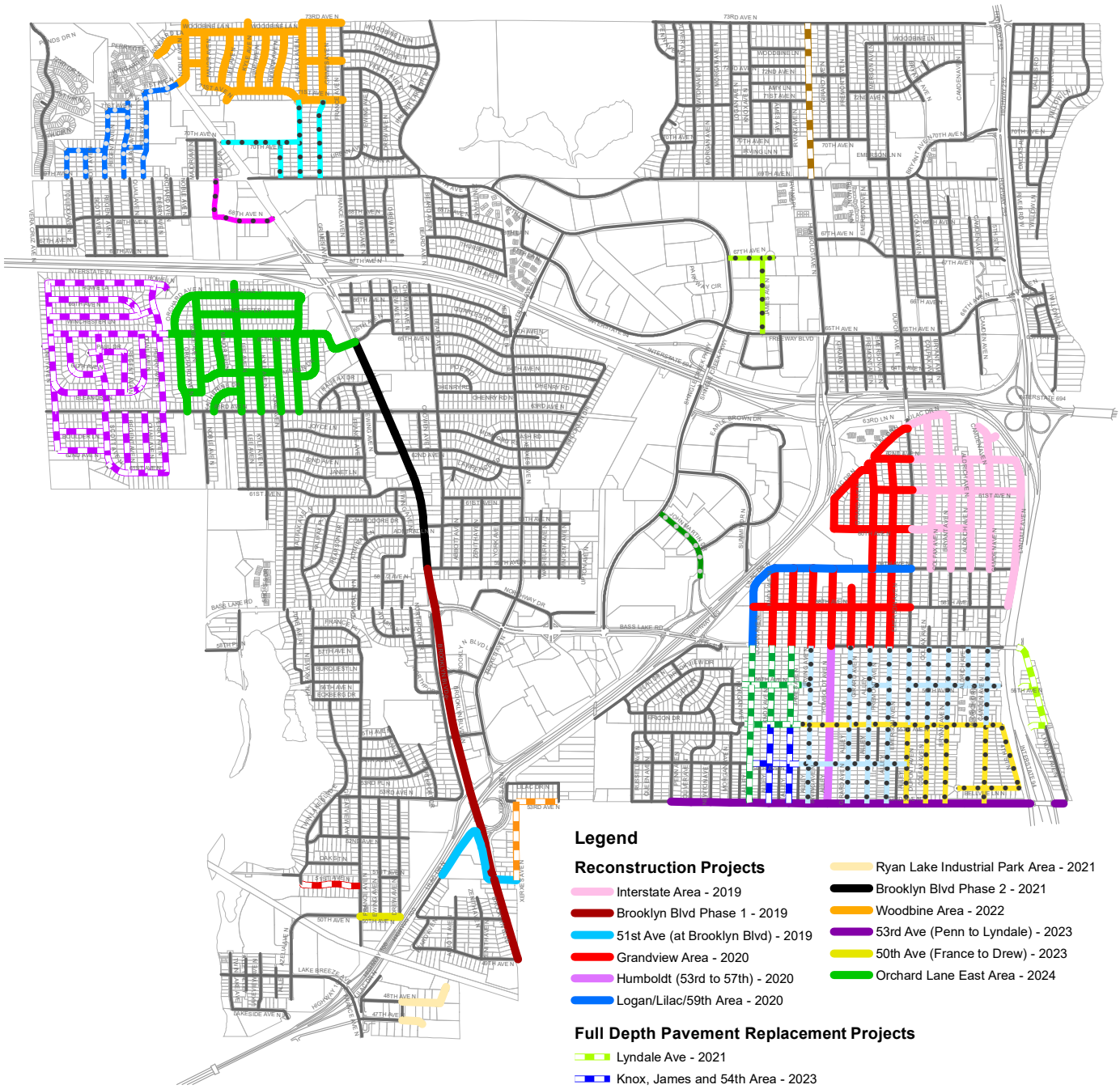
Emergency Responder Radio Replacement (Police/Fire/PW) - 2029
The emergency responder radios were all replaced in 2017. This project cost includes the full replacement of emergency responder radios within the Police, Fire and Public Works Departments.

Retaining Wall Replacements (Miscellaneous Locations) - 2029
Replacement of miscellaneous retaining walls at numerous locations within the City's right-of-way (Brooklyn Boulevard, Dupont Avenue, 57th Avenue and 69th Avenue). A full evaluation will be performed subsequently.

Self Contained Breathing Apparatus (SCBA) Replacement (Fire) - 2033
The Self Contained Breathing Apparatus (SCBA) equipment was last replaced in 2018. This project cost includes the full replacement of SCBA equipment within the Fire Department.

CIP PROJECT AREAS

2019 - 2026



Legend

Reconstruction Projects

- Interstate Area - 2019
- Brooklyn Blvd Phase 1 - 2019
- 51st Ave (at Brooklyn Blvd) - 2019
- Grandview Area - 2020
- Humboldt (53rd to 57th) - 2020
- Logan/Lilac/59th Area - 2020
- Ryan Lake Industrial Park Area - 2021
- Brooklyn Blvd Phase 2 - 2021
- Woodbine Area - 2022
- 53rd Ave (Penn to Lyndale) - 2023
- 50th Ave (France to Drew) - 2023
- Orchard Lane East Area - 2024

Full Depth Pavement Replacement Projects

- Lyndale Ave - 2021
- Knox, James and 54th Area - 2023
- 51st Ave (West of France) - 2023
- Humboldt Ave - 2024
- Orchard Lane West Area - 2025
- 53rd and Xerxes Area - 2025
- Meadowlark Gardens Area - 2026

Mill and Overlay Projects

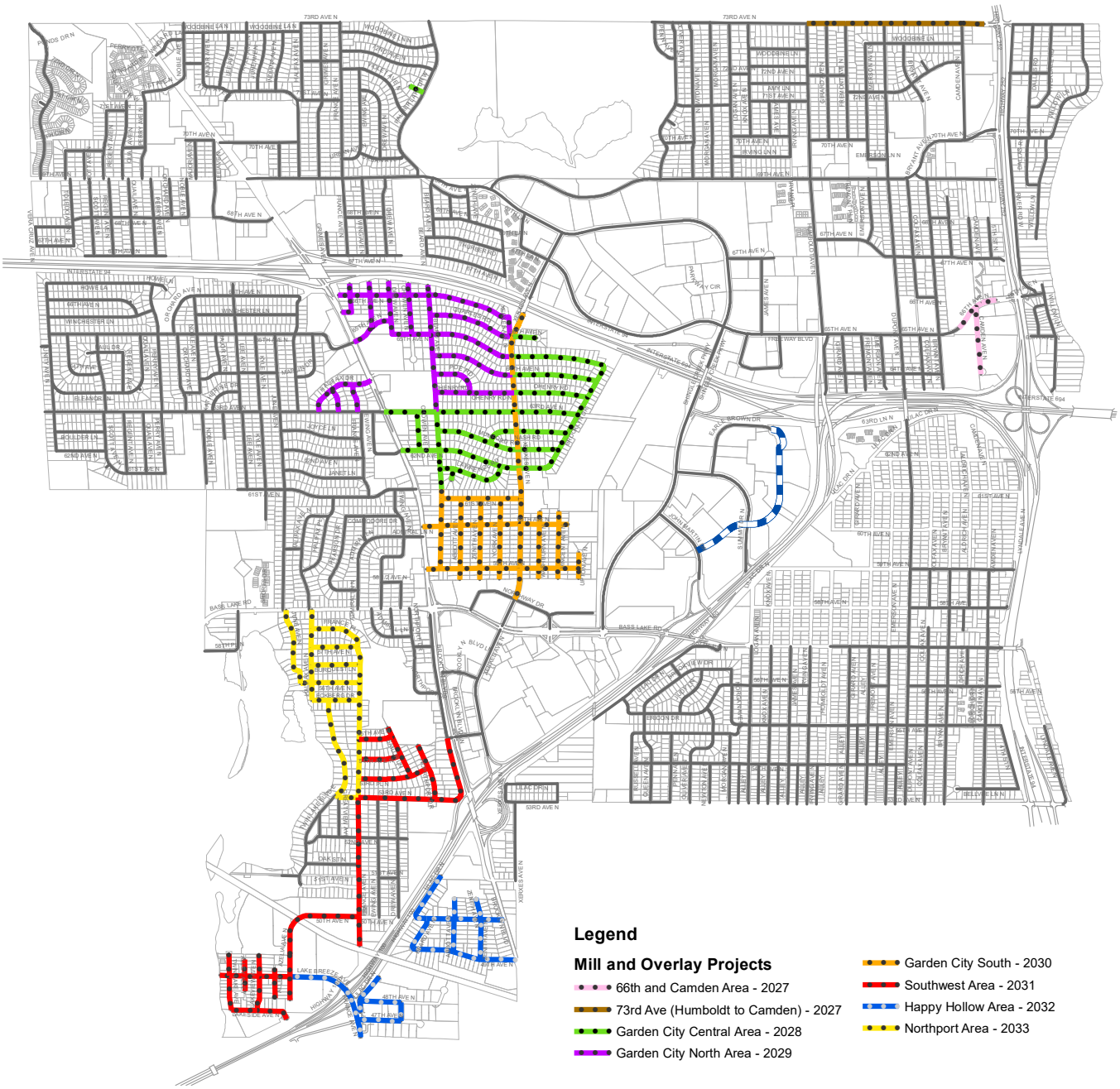
- Bellvue Area - 2019
- Southeast Area - 2019
- Northwest Area - 2021
- 67th and James Area - 2026
- 68th and Lee Area - 2026
- John Martin Drive - 2026
- St Alphonses Aera - 2026

Completed Construction (92.5 Miles - 87.6% since 1993)

November 2018

CIP PROJECT AREAS

2027 - 2033



Legend

Mill and Overlay Projects

- 66th and Camden Area - 2027
- 73rd Ave (Humboldt to Camden) - 2027
- Garden City Central Area - 2028
- Garden City North Area - 2029
- Garden City South - 2030
- Southwest Area - 2031
- Happy Hollow Area - 2032
- Northport Area - 2033

Full Depth Pavement Replacement Projects

- Earle Brown Drive - 2027
- Completed Construction (92.5 Miles - 87.6% since 1993)

BROOKLYN CENTER AT THE CENTER

November 2018