*City of Brooklyn Center*

# 2024 CAPITAL IMPROVEMENT PROGRAM

## PROFILE

The 2024-38 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 2024-2038 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 $240.0 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. Staff are working on updating this plan.

## 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 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. The City uses debt issuances to fund large street projects.

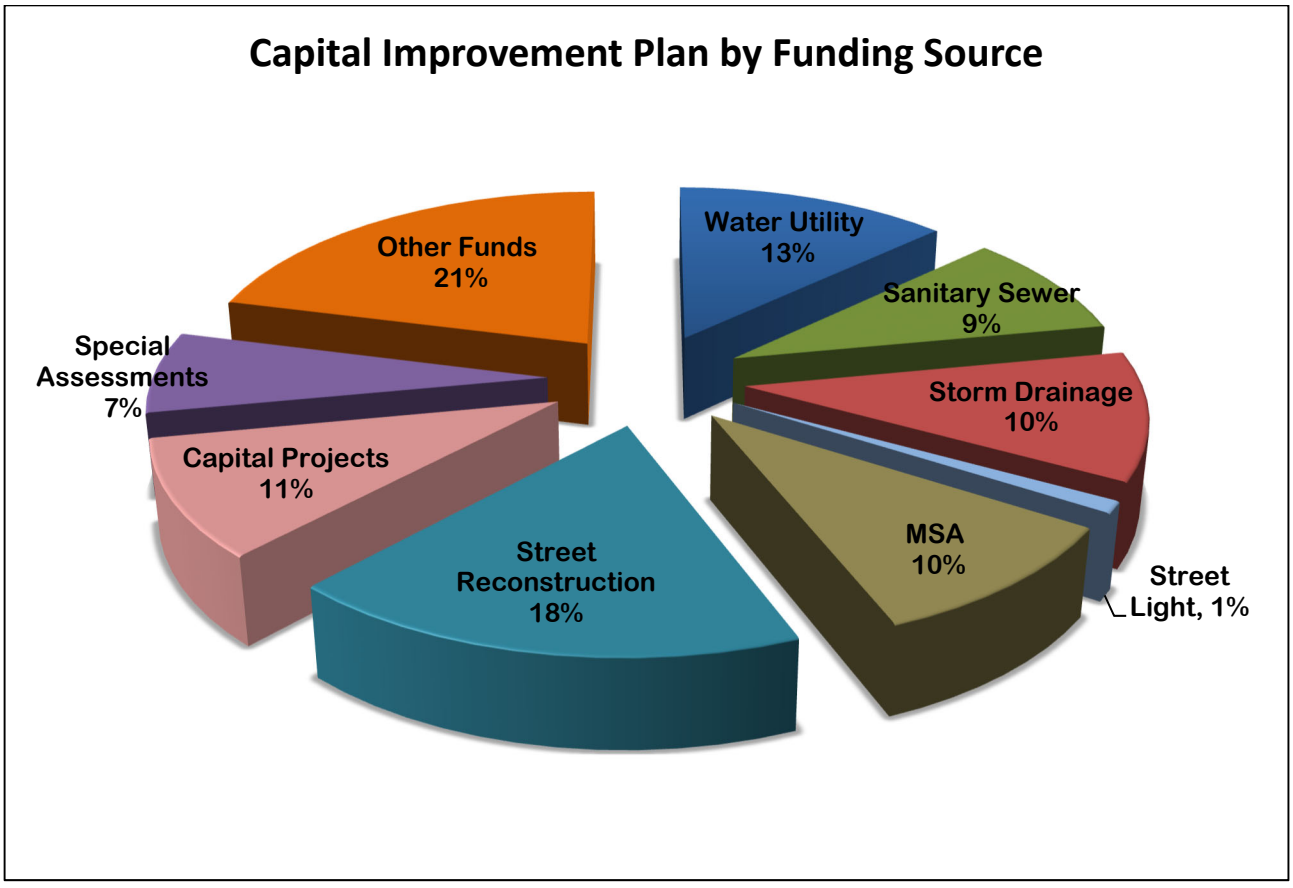
***MSA Fund***
State-shared gas taxes provide funding for street improvements and related costs for those roadways identified as MSA streets. The City has 21 miles of roadway identified as MSA streets and is therefore eligible to receive funding based on this designation. The annual amount available in 2024 is estimated to be $1,515,850 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 (amended July 8, 2019), 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 two 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.** 2024-2038 Capital Improvement Plan - Summary by Funding Source

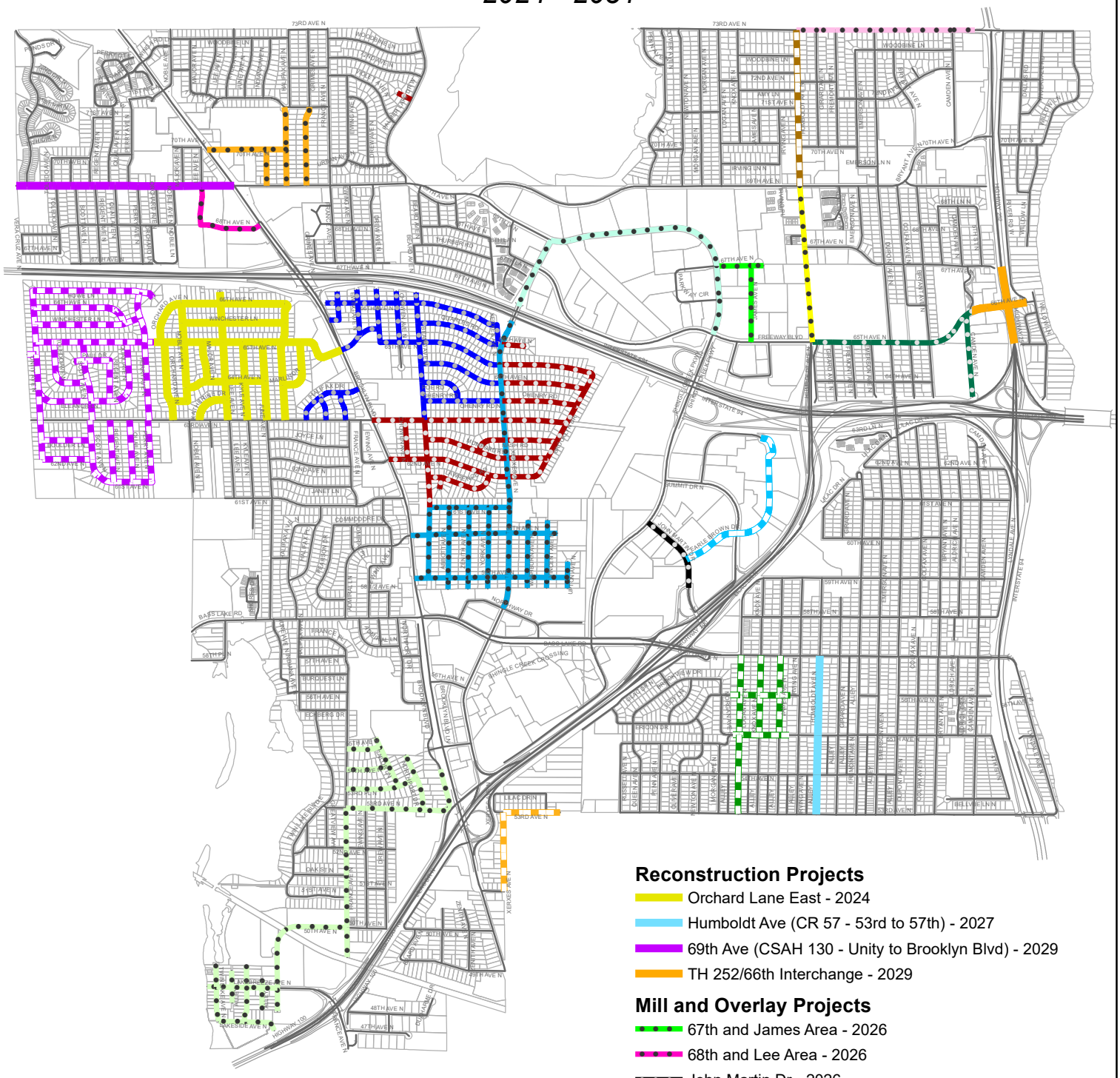
| | Total Funding Need 15-yr | Average Annual Funding Need | Percent of Total Need |
|---|---|---|---|
| Water Utility | $32,181,000 | $2,145,400 | 13% |
| Sanitary Sewer Utility | $21,701,000 | $1,446,733 | 9% |
| Storm Drainage Utility | $25,326,000 | $1,688,400 | 10% |
| Street Lighting Utility | $1,221,000 | $81,400 | 1% |
| Municipal State Aid | $25,335,000 | $1,689,000 | 10% |
| Street Reconstruction Fund | $43,262,871 | $2,884,191 | 18% |
| Capital Projects Fund | $25,342,863 | $1,689,524 | 11% |
| Special Assessment Collections | $17,736,129 | $1,182,409 | 7% |
| Outside Funds | $49,402,000 | $3,293,467 | 21% |
| TOTAL | $241,507,863 | $16,100,524 | 100% |

**FIGURE 1.** 2024-2038 Capital Improvement Plan – Overview of Project and Funding Sources



# CIP PROJECT AREAS

*2024 - 2031*



**Reconstruction Projects**

- Orchard Lane East - 2024
- Humboldt Ave (CR 57 - 53rd to 57th) - 2027
- 69th Ave (CSAH 130 - Unity to Brooklyn Blvd) - 2029
- TH 252/66th Interchange - 2029

**Mill and Overlay Projects**

- 67th and James Area - 2026
- 68th and Lee Area - 2026
- John Martin Dr - 2026
- St Alphonses Area - 2026
- Humboldt Ave (65th to 69th) - 2027
- Garden CIty Central - 2028
- Shingle Creek Pkwy and Xerxes Ave - 2028
- 65th/66th Ave and Camden Ave - 2028
- 73rd Ave (Humboldt to Camden) - 2028
- Garden City North - 2030
- Garden City South - 2030
- Southwest Area - 2031

**Full Depth Pavement Replacement Projects**

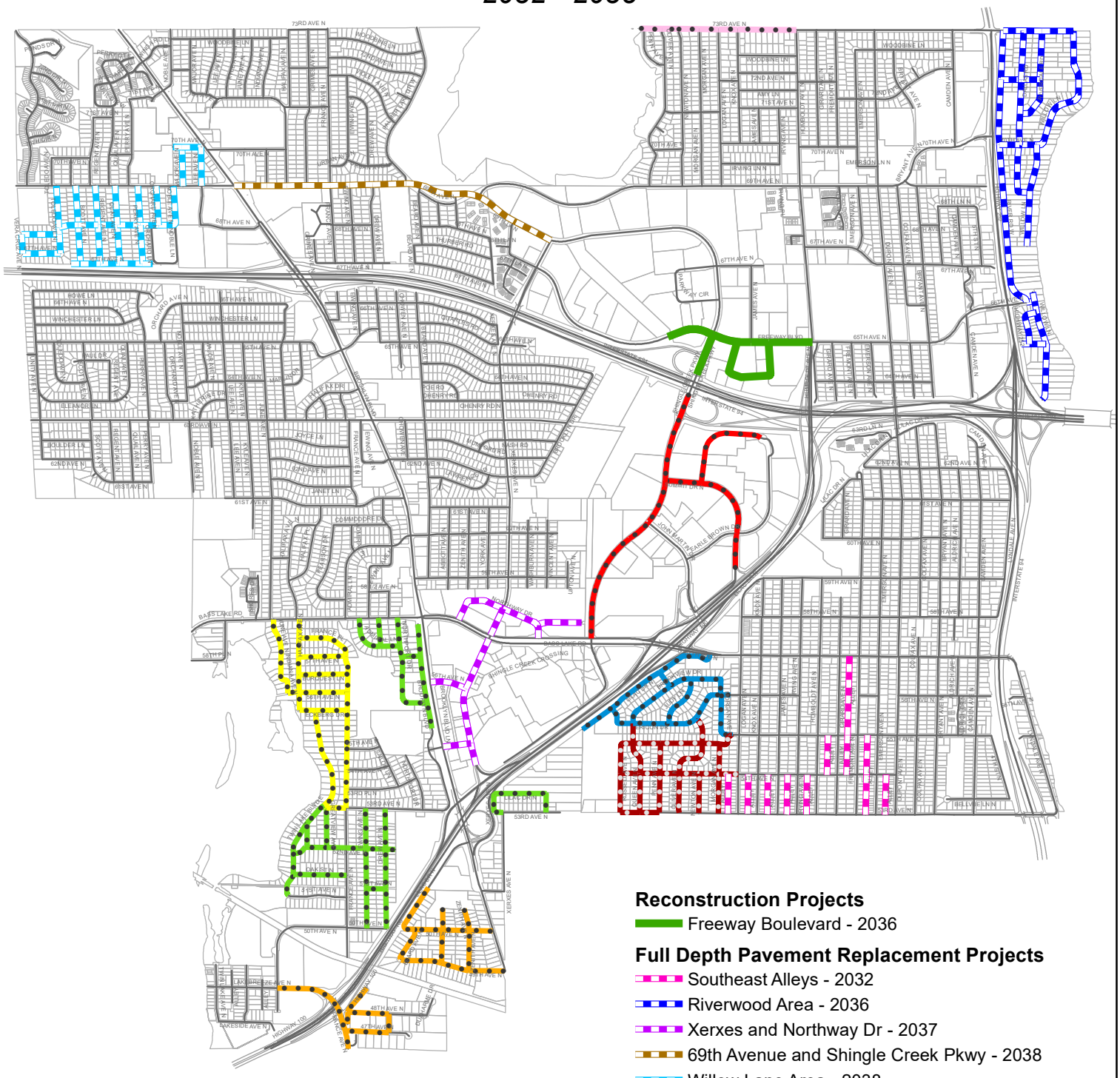
- 53rd and Xerxes - 2025
- Orchard Lane West - 2026
- Meadowlark Gardens - 2027
- Humboldt Ave (69th to 73rd) - 2027
- Earle Brown Drive - 2028

BROOKLYN CENTER AT THE CENTER

October 2023

# CIP PROJECT AREAS

*2032 - 2038*



**Reconstruction Projects**

- Freeway Boulevard - 2036

**Full Depth Pavement Replacement Projects**

- Southeast Alleys - 2032
- Riverwood Area - 2036
- Xerxes and Northway Dr - 2037
- 69th Avenue and Shingle Creek Pkwy - 2038
- Willow Lane Area - 2038

**Mill and Overlay Projects**

- Happy Hollow - 2032
- Northport Area - 2033
- Lions Park South - 2034
- 73rd Ave (Penn to Humboldt) - 2034
- Centerbrook Area - 2035
- Shingle Creek Pkwy/Summit/Earle Brown Dr - 2035
- Twin Lake North Area - 2037

BROOKLYN CENTER AT THE CENTER

October 2023

Table 2
Capital Improvement Program (2024 - 2038)
November 30, 2023

| Project | Special Assessments | Street Reconst. Fund | MSA Fund | Storm Drainage Utility | Sanitary Sewer Utility | Water Utility | Street Light Utility | Capital Projects Funds | Outside Funds | Total Project Cost |
|---|---|---|---|---|---|---|---|---|---|---|
| **2024** | | | | | | | | | | |
| Orchard Lane East Improvements | $1,496,129 | $3,443,871 | | $884,000 | $1,990,000 | $3,978,000 | | | | $11,792,000 |
| Park Capital Planning Study | | | | | | | | $300,000 | | $300,000 |
| Hazardous Tree Management and Reforestation | | | | | | | | $150,000 | | $150,000 |
| Park Playground Equipment Replacement | | | | | | | | $313,000 | | $313,000 |
| Basketball Courts Pavement Replacements | | | | | | | | $148,000 | | $148,000 |
| 65th Avenue Trunk Storm Sewer Rehabilitation | | | | $1,736,000 | | | | | | $1,736,000 |
| Storm Water Pond 48-001 Rehab | | | | $368,000 | | | | | | $368,000 |
| Lift Station No. 5 Rehabilitation | | | | | $363,000 | | | | | $363,000 |
| Lift Station No. 9 Rehabilitation | | | | | $806,000 | | | | | $806,000 |
| Lift Station No. 9 Force Main Replacement | | | | | $418,000 | | | | | $418,000 |
| Well Nos. 6 and 8; Water Treatment Plant HSP No. 4 | | | | | | $202,000 | | | | $202,000 |
| I694/Dupont Ave Water Main Crossing Replacement | | | | | | $1,931,000 | | | | $1,931,000 |
| Capital Maintenance Building Plan (CMBP) Evaluation Study | | | | | | | | $64,000 | | $64,000 |
| Cascade System Replacement (Fire) | | | | | | | | $91,000 | | $91,000 |
| CMBP: Police - HVAC / Electrical Systems | | | | | | | | $371,250 | | $371,250 |
| CMBP: Public Works - Lighting System Upgrade | | | | | | | | $35,000 | $75,000 | $110,000 |
| CMBP: City Hall - Elevator 2 | | | | | | | | $206,250 | | $206,250 |
| CMBP: West Fire - Roof Replacement / HVAC System | | | | | | | | $728,550 | | $728,550 |
| **2024 Subtotal** | $1,496,129 | $3,443,871 | | $2,988,000 | $3,577,000 | $6,111,000 | | $2,407,050 | $75,000 | $20,098,050 |
| **2025** | | | | | | | | | | |
| 53rd and Xerxes Avenue Improvements | $80,000 | $500,000 | | $130,000 | | | $50,000 | | | $760,000 |
| Hazardous Tree Management and Reforestation | | | | | | | | $150,000 | | $150,000 |
| Earle Brown/Opportunity Area Street Light Replacement | | | | | | | $391,000 | | | $391,000 |
| Storm Water Pond 17-001 Rehab | | | | $166,000 | | | | | | $166,000 |
| Well Nos. 2 and 3; Water Treatment Plant HSP (BW) | | | | | | $208,000 | | | | $208,000 |
| Well No. 11: Well and Pumphouse | | | | | | $2,700,000 | | | | $2,700,000 |
| Water Treatment Plant Redundant Water Main Connection | | | | | | $1,014,000 | | | | $1,014,000 |
| CMBP: Public Works Garage - Roof Replacement | | | | | | | | $948,853 | | $948,853 |
| CMBP: Public Works Garage - Doors, windows, and other equipment upgrades | | | | | | | | $151,074 | | $151,074 |
| CMBP: Community Center- Air Handlers No. 4 & 5 | | | | | | | | $110,000 | | $110,000 |
| CMBP: East/West Fire - Parking Lot Mill & Overlay | | | | | | | | $416,067 | | $416,067 |
| CMBP: Police - Roof Replacement | | | | | | | | $528,275 | | $528,275 |
| CMBP: Police - Exterior and Interior Capital Replacements | | | | | | | | $261,044 | | $261,044 |
| **2025 Subtotal** | $80,000 | $500,000 | | $296,000 | | $3,922,000 | $441,000 | $2,565,313 | | $7,804,313 |
| **2026** | | | | | | | | | | |
| Orchard Lane West Area Improvements | $2,060,000 | $4,560,000 | | $1,770,000 | $2,450,000 | $190,000 | $200,000 | | | $11,230,000 |
| 67th Avenue and James Avenue Mill and Overlay | $190,000 | $120,000 | | $130,000 | $10,000 | $60,000 | $20,000 | | | $530,000 |
| 68th Avenue and Lee Avenue Mill and Overlay | $130,000 | $120,000 | | $110,000 | $10,000 | $70,000 | $20,000 | | | $460,000 |
| John Martin Drive Mill and Overlay | $130,000 | | $260,000 | $40,000 | $10,000 | $50,000 | $60,000 | | | $550,000 |
| St. Alphonses Area Mill and Overlay | $380,000 | $300,000 | | $280,000 | $40,000 | $160,000 | $50,000 | | | $1,210,000 |
| Hazardous Tree Management and Reforestation | | | | | | | | $150,000 | | $150,000 |
| Dog Park Project | | | | | | | | $260,000 | | $260,000 |
| Hockey Rink Rehabilitation/Replacements | | | | | | | | $329,000 | | $329,000 |
| Irrigation Systems Rehabilitation/Replacements | | | | | | | | $148,000 | | $148,000 |
| 61st & Perry Avenues Storm Sewer Improvement | | | | $215,000 | | | | | | $215,000 |
| Storm Water Ponds 41-001, 41-002 & 53-001 Rehab | | | | $168,000 | | | | | | $168,000 |
| Lift Station Nos. 3 Rehabilitation | | | | | $363,000 | | | | | $363,000 |
| Well No. 5 and Water Treatment Plant HSP No. 3 | | | | | | $118,000 | | | | $118,000 |
| CMBP: City Hall - Community Development Office Remodel | | | | | | | | $276,000 | | $276,000 |
| CMBP: Community Center - Water Slide Skylight | | | | | | | | $60,000 | | $60,000 |
| CMBP: Public Works Cold - Roof Replacement | | | | | | | | $128,000 | | $128,000 |
| CMBP: Public Works Salt - Roof Replacement | | | | | | | | $61,000 | | $61,000 |
| **2026 Subtotal** | $2,890,000 | $5,100,000 | $260,000 | $2,713,000 | $2,883,000 | $648,000 | $350,000 | $1,412,000 | | $16,256,000 |

Table 2
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November 30, 2023

| Project | Special Assessments | Street Reconst. Fund | MSA Fund | Storm Drainage Utility | Sanitary Sewer Utility | Water Utility | Street Light Utility | Capital Projects Funds | Outside Funds | | Total Project Cost |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **2027** | | | | | | | | | | | |
| Meadowlark Gardens Area Improvements | $560,000 | $960,000 | $660,000 | $510,000 | $120,000 | $390,000 | $120,000 | | | | $3,320,000 |
| Humboldt Avenue (CR 57) Reconstruction (53rd to 57th) | $370,000 | $770,000 | | $225,000 | $620,000 | $730,000 | $20,000 | | $2,985,000 | | $5,720,000 |
| Humboldt Avenue Mill and Overlay (65th to 69th) | $120,000 | | $640,000 | $80,000 | $30,000 | $20,000 | $10,000 | | | | $900,000 |
| Humboldt Avenue Improvements (69th to 73rd) | $160,000 | | $680,000 | $140,000 | $470,000 | $250,000 | $30,000 | | | | $1,730,000 |
| Traffic Sig Sys Rehab (Shingle Creek Pkwy/Summit) | | $154,000 | $461,000 | | | | | | | | $615,000 |
| Traffic Sig Sys Rehab. (Shingle Creek Pkwy/John Martin) | | $154,000 | $461,000 | | | | | | | | $615,000 |
| Soccer Project | | | | | | | | $200,000 | $800,000 | | $1,000,000 |
| Hazardous Tree Management and Reforestation | | | | | | | | $150,000 | | | $150,000 |
| Park Name Sign Replacements | | | | | | | | $79,000 | | | $79,000 |
| Softball/Baseball Fence Replacement | | | | | | | | $67,000 | | | $67,000 |
| 69th Avenue Trail Reconstruction | | | | | | | | $227,000 | | | $227,000 |
| 69th Avenue Landscape Rehabilitation | | | | | | | | $152,000 | | | $152,000 |
| Evergreen, Firehouse & Northport Park Security Improvements | | | | | | | | $269,000 | | | $269,000 |
| Well No. 10 and Water Treatment Plant HSP No. 1 | | | | | | $121,000 | | | | | $121,000 |
| Freeway and Highway Utility Crossing Replacement | | | | | $249,000 | $551,000 | | | | | $800,000 |
| CMBP: Civic Center - Cooling Replace (Chillers/condensers) | | | | | | | | $141,000 | | | $141,000 |
| CMBP: West Fire - Generator/Transfer Replacement | | | | | | | | $200,000 | | | $200,000 |
| CMBP: Police - Condenser Jail | | | | | | | | $70,000 | | | $70,000 |
| **2027 Subtotal** | $1,210,000 | $2,038,000 | $2,902,000 | $955,000 | $1,489,000 | $2,062,000 | $180,000 | $1,555,000 | $3,785,000 | | $16,176,000 |
| | | | | | | | | | | | |
| **2028** | | | | | | | | | | | |
| Garden City Central Area Mill and Overlay | $710,000 | $2,120,000 | $340,000 | $1,160,000 | $440,000 | $110,000 | | | | | $4,880,000 |
| Earle Brown Drive Area Improvements | $700,000 | $1,090,000 | $530,000 | $150,000 | $20,000 | $20,000 | | | | | $2,510,000 |
| Shingle Creek Pkwy and Xerxes Ave Mill and Overlay | $540,000 | | $1,240,000 | $310,000 | $30,000 | $480,000 | $90,000 | | | | $2,690,000 |
| 65th/66th Avenue and Camden Avenue Mill and Overlay | $110,000 | $310,000 | $730,000 | $180,000 | $320,000 | $20,000 | | | | | $1,670,000 |
| 73rd Avenue Mill and Overlay (Humboldt to Camden) | $30,000 | $95,000 | $130,000 | $75,000 | $20,000 | $10,000 | | | $330,000 | (D) | $690,000 |
| Hazardous Tree Management and Reforestation | | | | | | | | $150,000 | | | $150,000 |
| Park Trail and Parking Lot Lighting Improvements | | | | | | | | $420,000 | | | $420,000 |
| Community Center: Phase 1 | | | | | | | | $10,000,000 | $5,000,000 | | $15,000,000 |
| Centennial Park Improvements | | | | | | | | $154,000 | | | $154,000 |
| Centennial Park Softball Field Improvements | | | | | | | | $614,000 | | | $614,000 |
| Water Meter Full System Replacement | | | | | $596,000 | $1,894,000 | | | | | $2,490,000 |
| Well No. 7 and Water Treatment Plant HSP No. 2 | | | | | | | | | | | |
| Emergency Responder Radio Replacement (Police/Fire/PW) | | | | | | | | $600,000 | | | $600,000 |
| **2028 Subtotal** | $2,090,000 | $3,615,000 | $2,970,000 | $1,875,000 | $1,426,000 | $2,534,000 | $90,000 | $11,938,000 | $5,330,000 | | $31,868,000 |
| **NOTES:** (D) 50% Cost sharing of street & storm with City of Brooklyn Park ($295k) per 1999 agreement | | | | | | | | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **2029** | | | | | | | | | | | |
| 69th Ave (CSAH 130) Reconstruction (Unity to Brooklyn Blvd) | | $946,000 | | $228,000 | $900,000 | $1,140,000 | $10,000 | | $4,696,000 | | $7,920,000 |
| Retaining Wall Replacement (miscellaneous locations) | | | | | | | | $132,000 | | | $132,000 |
| TH 252/66th Interchange and 70th Pedestrian Overpass | | | | | | | | | $35,000,000 | (C) | $35,000,000 |
| Hazardous Tree Management and Reforestation | | | | | | | | $150,000 | | | $150,000 |
| Storm Water Ponds 11-001, 59-003, 60-003, 63-001, 63-002 & 64-001 Rehab | | | | $124,000 | | | | | | | $124,000 |
| Lift Station Nos. 7 and 10 Rehabilitation | | | | | $1,256,000 | | | | | | $1,256,000 |
| Well Nos. 4 and 9 and Water Treatment Plant HSP No. 4 | | | | | | $234,000 | | | | | $234,000 |
| CMBP: City Hall - Ribbon Window Replacement | | | | | | | | $94,000 | | | $94,000 |
| CMBP: Community Center - Ribbon Window Replacement | | | | | | | | $112,000 | | | $112,000 |
| **2029 Subtotal** | | $946,000 | | $352,000 | $2,156,000 | $1,374,000 | $10,000 | $488,000 | $39,696,000 | | $45,022,000 |

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November 30, 2023

| Project | Special Assessments | Street Reconst. Fund | MSA Fund | Storm Drainage Utility | Sanitary Sewer Utility | Water Utility | Street Light Utility | Capital Projects Funds | Outside Funds | | Total Project Cost |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **2030** | | | | | | | | | | | |
| Garden City North Area Mill and Overlay | $640,000 | $2,890,000 | | $2,940,000 | $860,000 | $720,000 | | | | | $8,050,000 |
| Garden City South Area Mill and Overlay | $490,000 | $2,760,000 | $1,170,000 | $1,580,000 | $870,000 | $1,890,000 | $10,000 | | | | $8,770,000 |
| Hazardous Tree Management and Reforestation | | | | | | | | $150,000 | | | $150,000 |
| Sanitary Sewer Lining (Miss. River Trunk N. of I-694 to 70th/Willow) | | | | | $1,777,000 | | | | | | $1,777,000 |
| Lift No. 2 Forcemain Lining (Under I-94) | | | | | $293,000 | | | | | | $293,000 |
| Well Nos. 6 and 8; Water Treatment Plant HSP (BW) | | | | | | $241,000 | | | | | $241,000 |
| CMBP: City Hall - Main Switch Gear Replacement | | | | | | | | $297,000 | | | $297,000 |
| CMBP: Community Center - Carpet Replacement | | | | | | | | $76,000 | | | $76,000 |
| **2030 Subtotal** | $1,130,000 | $5,650,000 | $1,170,000 | $4,520,000 | $3,800,000 | $2,851,000 | $10,000 | $523,000 | | | $19,654,000 |
| **2031** | | | | | | | | | | | |
| Southwest Area Mill and Overlay | $560,000 | $1,530,000 | $1,350,000 | $1,180,000 | $610,000 | $1,330,000 | $60,000 | | | | $6,620,000 |
| Hazardous Tree Management and Reforestation | | | | | | | | $150,000 | | | $150,000 |
| Park Bleacher Replacement | | | | | | | | $69,000 | | | $69,000 |
| Storm Water Pond 57-004, 57-005 & 70-002 Rehab | | | | $76,000 | | | | | | | $76,000 |
| Lift Station No. 1 Generator Replacement | | | | | $240,000 | | | | | | $240,000 |
| Well Nos. 2 and 3 and Water Treatment Plant HSP No. 3 | | | | | | $245,000 | | | | | $245,000 |
| CMBP: City Hall - Brick Veneer Restoration | | | | | | | | $148,000 | | | $148,000 |
| CMBP: Community Center - Brick Veneer Restoration | | | | | | | | $231,000 | | | $231,000 |
| **2031 Subtotal** | $560,000 | $1,530,000 | $1,350,000 | $1,256,000 | $850,000 | $1,575,000 | $60,000 | $598,000 | | | $7,779,000 |
| **2032** | | | | | | | | | | | |
| Happy Hollow Mill and Overlay | $310,000 | $1,430,000 | $380,000 | $920,000 | $230,000 | $410,000 | $60,000 | | | | $3,740,000 |
| Southeast Alleys Improvements | $1,450,000 | | | | | | $10,000 | | | | $1,460,000 |
| Hazardous Tree Management and Reforestation | | | | | | | | $150,000 | | | $150,000 |
| Park Bleacher Replacement | | | | | | | | $92,000 | | | $92,000 |
| Brooklyn Blvd Street Light Replacement (65th to BP Border) | | | | | | | | $990,000 | | | $990,000 |
| Storm Water Pond 12-002, 12-003, 12-004, 12-005 & 18-001 Rehab | | | | $712,000 | | | | | | | $712,000 |
| Well No. 5 and Water Treatment Plant HSP No. 1 | | | | | | $137,000 | | | | | $137,000 |
| CMBP: East Fire - Epoxy Floor Replacement | | | | | | | | $56,000 | | | $56,000 |
| CMBP: West Fire - Epoxy Floor Replacement | | | | | | | | $76,000 | | | $76,000 |
| CMBP: Public Works - Exterior Paint | | | | | | | | $120,000 | | | $120,000 |
| CMBP: Public Works - Make Up Air (2) Replacement | | | | | | | | $188,000 | | | $188,000 |
| **2032 Subtotal** | $1,760,000 | $1,430,000 | $380,000 | $1,632,000 | $230,000 | $547,000 | $70,000 | $1,672,000 | | | $7,721,000 |
| **2033** | | | | | | | | | | | |
| Northport Area Mill and Overlay | $360,000 | $1,200,000 | $690,000 | $690,000 | $120,000 | $60,000 | | | | | $3,120,000 |
| Traffic Sig Sys Rehab.(65th Avenue/Dupont Ave) | | | $702,000 | | | | | | | | $702,000 |
| Traffic Sig Sys Rehab.(66th Ave/Camden Ave) | | $351,000 | $351,000 | | | | | | | | $702,000 |
| Hazardous Tree Management and Reforestation | | | | | | | | $150,000 | | | $150,000 |
| Evergreen Park Football/Soccer Field Improvements | | | | | | | | $151,000 | | | $151,000 |
| Well No. 10 and Water Treatment Plant HSP No. 2 | | | | | | $139,000 | | | | | $139,000 |
| Self Contained Breathing Apparatus (SCBA) Replacement (Fire) | | | | | | | | $612,500 | | | $612,500 |
| CMBP: Public Works - Main Switch Gear Replacement | | | | | | | | $263,000 | | | $263,000 |
| CMBP: Public Works - Generator/Transfer Replacement | | | | | | | | $205,000 | | | $205,000 |
| **2033 Subtotal** | $360,000 | $1,551,000 | $1,743,000 | $690,000 | $120,000 | $199,000 | | $1,381,500 | | | $6,044,500 |
| **2034** | | | | | | | | | | | |
| Lions Park South Mill and Overlay | $390,000 | $1,760,000 | | $860,000 | $110,000 | $60,000 | | | | | $3,180,000 |
| 73rd Avenue (Penn to Humboldt) Mill and Overlay | $40,000 | $195,000 | | $95,000 | $150,000 | $220,000 | | | $330,000 | (E) | $1,030,000 |
| Well No. 7 and Water Treatment Plant HSP No. 4 | | | | | | $141,000 | | | | | $141,000 |
| CMBP: Public Works - Make Up Air (2) Replacement | | | | | | | | $113,000 | | | $113,000 |
| CMBP: East/West Fire - Overhead Door Replacements | | | | | | | | $253,000 | | | $253,000 |
| CMBP: Community Center - Sauna Reconstruction | | | | | | | | $115,000 | | | $115,000 |
| **2034 Subtotal** | $430,000 | $1,955,000 | | $955,000 | $260,000 | $421,000 | | $481,000 | $330,000 | | $4,832,000 |

**NOTES:** (E) 50% Cost sharing of street & storm with City of Brooklyn Park ($285k) per 2004 agreement

Table 2
Capital Improvement Program (2024 - 2038)
November 30, 2023

| Project | Special Assessments | Street Reconst. Fund | MSA Fund | Storm Drainage Utility | Sanitary Sewer Utility | Water Utility | Street Light Utility | Capital Projects Funds | Outside Funds | | Total Project Cost |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **2035** | | | | | | | | | | | |
| Centerbrook Area Mill and Overlay | $280,000 | $1,440,000 | | $660,000 | $90,000 | $50,000 | | | | | $2,520,000 |
| Shingle Creek Pkwy/Summit Dr/Earle Brown Mill and Overlay | $490,000 | $540,000 | $2,720,000 | $540,000 | $540,000 | $1,310,000 | | | | | $6,140,000 |
| Well Nos. 4 and 9 and Water Treatment Plant HSP (BW) | | | | | | $260,000 | | | | | $260,000 |
| CMBP: Community Center - RTU #1 & #2 | | | | | | | | $322,000 | | | $322,000 |
| **2035 Subtotal** | $770,000 | $1,980,000 | $2,720,000 | $1,200,000 | $630,000 | $1,620,000 | | $322,000 | | | $9,242,000 |
| **2036** | | | | | | | | | | | |
| Freeway Blvd Area Improvements | $760,000 | $1,860,000 | $3,490,000 | $320,000 | $610,000 | $1,030,000 | | | | | $8,070,000 |
| Riverwood Area Improvements | $1,100,000 | $4,394,000 | | $1,840,000 | $1,700,000 | $1,820,000 | | | $186,000 | (F) | $11,040,000 |
| Storm Water Pond 46-001, 50-001, 52-001, 60-001 & 63-006 Rehab | | | | $694,000 | | | | | | | $694,000 |
| Well Nos. 6 and 8 and Water Treatment Plant HSP No. 3 | | | | | | $264,000 | | | | | $264,000 |
| **2036 Subtotal** | $1,860,000 | $6,254,000 | $3,490,000 | $2,854,000 | $2,310,000 | $3,114,000 | | | $186,000 | | $20,068,000 |
| **NOTES:** (F) 50% Cost sharing of 73rd Avenue street improvements with City of Brooklyn Park ($177k) | | | | | | | | | | | |
| **2037** | | | | | | | | | | | |
| Twin Lake North Area Mill and Overlay | $540,000 | $2,570,000 | | $1,250,000 | $160,000 | $1,820,000 | | | | | $6,340,000 |
| Xerxes and Northway Area Improvements | $1,540,000 | $1,410,000 | $2,300,000 | $480,000 | $1,140,000 | $1,780,000 | | | | | $8,650,000 |
| Well Nos. 2 and 3 and Water Treatment Plant HSP No. 1 | | | | | | $268,000 | | | | | $268,000 |
| **2037 Subtotal** | $2,080,000 | $3,980,000 | $2,300,000 | $1,730,000 | $1,300,000 | $3,868,000 | | | | | $15,258,000 |
| **2038** | | | | | | | | | | | |
| 69th Ave and Shingle Creek Pkwy | $70,000 | | $6,050,000 | $330,000 | $540,000 | $550,000 | $10,000 | | | | $7,550,000 |
| Willow Lane Project Area | $950,000 | $3,290,000 | | $980,000 | $130,000 | $650,000 | | | | | $6,000,000 |
| Well No. 5 and Water Treatment Plant HSP No. 2 | | | | | | $135,000 | | | | | $135,000 |
| **2038 Subtotal** | $1,020,000 | $3,290,000 | $6,050,000 | $1,310,000 | $670,000 | $1,335,000 | $10,000 | | | | $13,685,000 |
| **TOTALS** | $17,736,129 | $43,262,871 | $25,335,000 | $25,326,000 | $21,701,000 | $32,181,000 | $1,221,000 | $25,342,863 | $49,402,000 | | $241,507,863 |

**PROJECT DESCRIPTIONS**
**2024-2038 Capital Improvement Program**

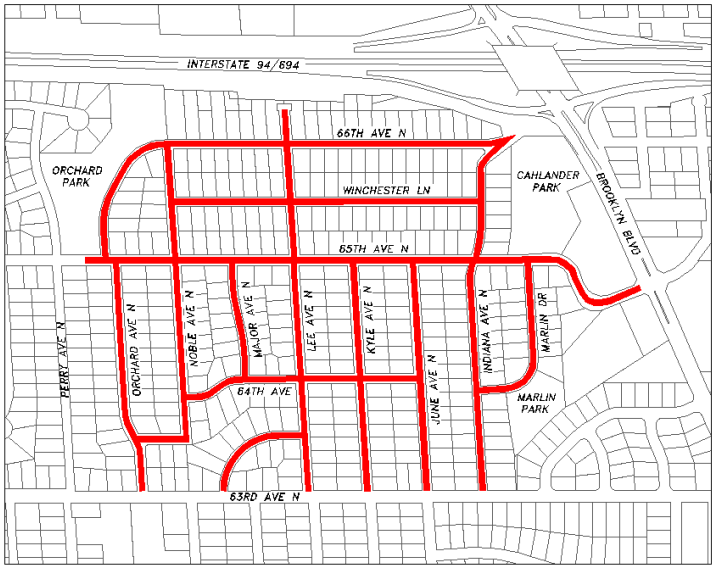
**City of Brooklyn Center**

## Table of Contents

# Street and Utility Improvements

## 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 354 residential properties, three park properties, one high density residential (R5), and two neighborhood mixed-use properties (MX-N2).




**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 10 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. Approximately 14 percent of the sanitary sewer is subject 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 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.

# 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 23 residential properties and one high density residential property (R5).

**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. Agreement documents indicate that Brooklyn Center is responsible for maintenance of these roadways. Existing streets are generally 30-feet wide with concrete curb and gutter. The current cost estimate assumes street improvements that consist of approximately 30 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**

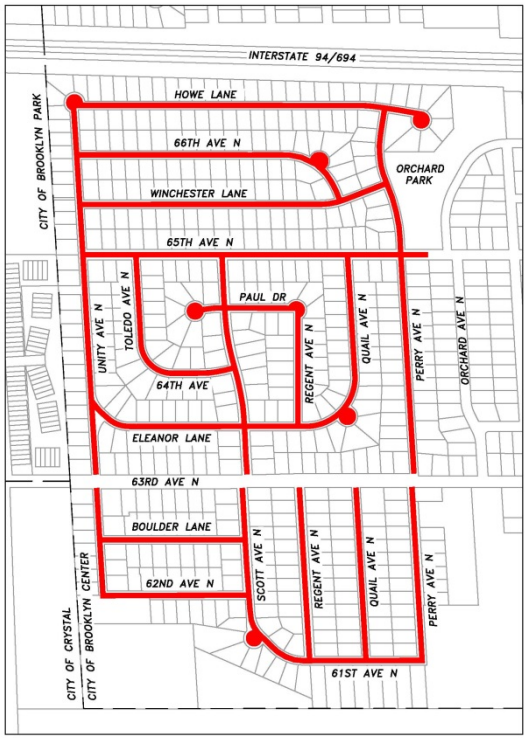
The storm sewer in the project area consists of 10-inch PVC pipe that flows to storm water ponds located south of 53rd Avenue and east of Upton Avenue. This storm sewer was installed in 1996 when the area was last reconstructed. The current project cost estimate includes casting replacement only.

**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.

# Orchard Lane West Area Improvements - 2026

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 498 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 1 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 19 percent of the sanitary sewer is subject 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**

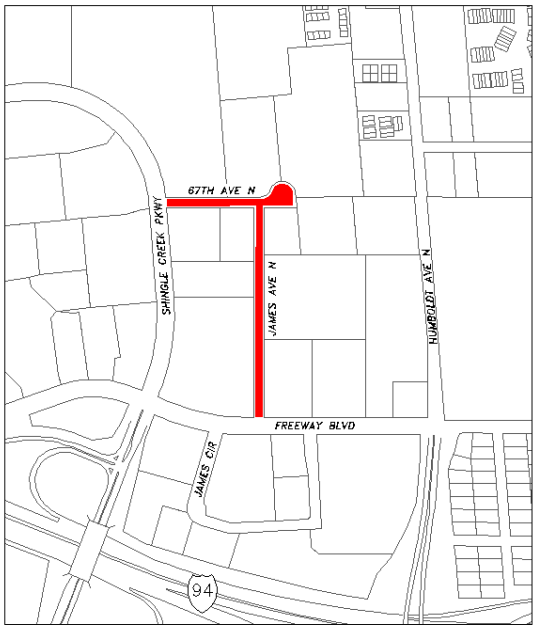
The storm sewer north of 63rd Avenue in the Orchard Lane West Area drains to the storm water ponds at Orchard Park and Cahlander Park. This storm sewer consists of 12-inch to 36-inch diameter pipe. The streets south of 63rd Avenue drain to the storm water pond at 63rd Avenue and Perry Avenue. This storm 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.

# 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 business mixed use properties (MX-B).




**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 30 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 50 percent hydrant and gate valve replacement and casting replacement.

**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 four commerce properties (C) and two planned unit development properties (PUD).


**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 30 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 50 percent hydrant and valve replacement and casting replacement.

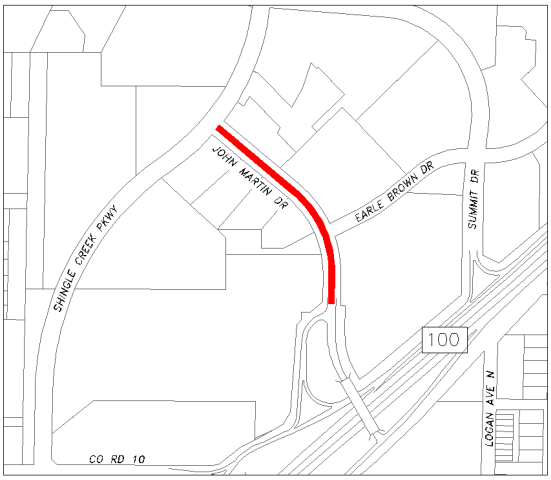
**Sanitary Sewer**
The existing sanitary sewer in the project area consists of 8-inch PVC installed in 1970. Approximately 38 percent of the sanitary sewer is subject to frequent problems with root intrusion. Root sawing must be performed on an annual basis to maintain the system conveyance capacity. 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 five transit oriented development properties (TOD), three commercial mixed-use properties (MX-C), and one planned unit development property (PUD).




**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 30 percent concrete replacement and a 2-inch mill and overlay.

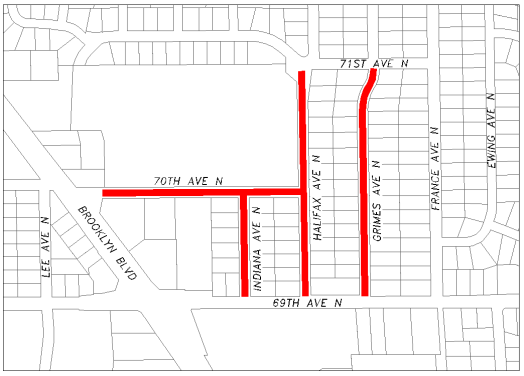
**Water main**
The existing water main in the project area consists of 8-inch diameter CIP installed in 1969. Records indicate that there have been no water main breaks in the area. The current project estimate includes 50 percent hydrant and valve replacement and casting replacement.

**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 replacing fiberglass poles with a cut-off type LED light fixture that are not located at intersection nodes. The replacement of intersection node lighting will be completed under a separate project.

# 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 58 residential properties, one church property, and four neighborhood mixed-use properties (MX-N2).

**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 25 percent sidewalk and driveway apron replacement, 35 percent curb 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 50 percent hydrant and valve replacement and casting replacement.

**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**

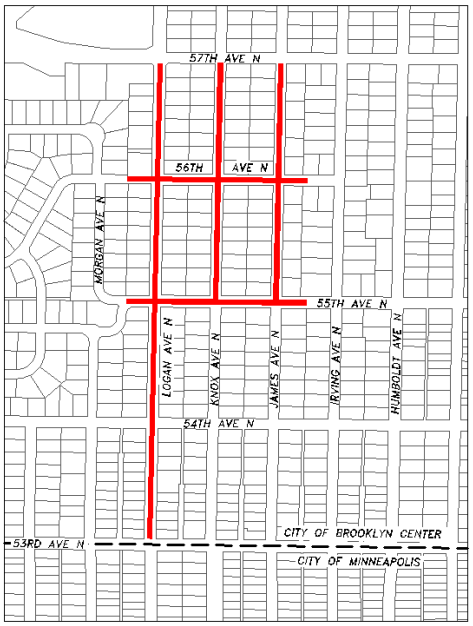
The storm sewer in the project area flows east to Palmer Lake. Approximately 25 percent of the storm sewer in this area was installed in 1998 or later. This storm sewer consists of 15-inch diameter high-density polyethylene plastic pipe and 18-inch to 42-inch diameter RCP. The remaining storm sewer consists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

# Meadowlark Gardens Area Improvements - 2027

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 126 residential properties, and two planned unit development properties (PUD).




**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 35 percent curb replacement, 25 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**

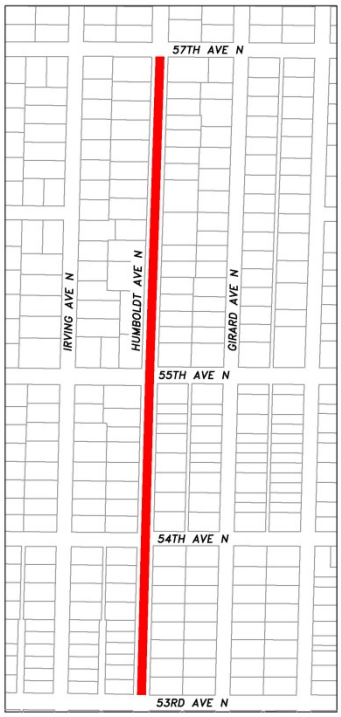
Approximately 92 percent of the storm sewer in the project area was replaced in 1996 when the neighborhood was reconstructed. The remaining pipe consists of 24-inch to 42-inch pipe on 55th Avenue installed in 1952. The storm sewer on James Avenue and to the west drains to the trunk line on 55th Avenue 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.

# Humboldt Avenue (County Road 57) Reconstruction (53rd Ave to 57th Ave) - 2027

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 55 residential properties and one medium high-density residential property (R4).




**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. It is anticipated that the street improvements will consist of the reconstruction of the street subgrade, installation of curb and gutter to improve drainage, placement of bituminous street pavement and sidewalk replacement. 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 100 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 64 percent of the sanitary sewer is subject 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.

# Humboldt Avenue Mill and Overlay (65th Ave to 69th Ave) - 2027

The Humboldt Avenue project area extends from 69th Avenue to 65th Avenue. The area contains a total of 2,625 linear feet of local streets. The project area consists of the City Police Station, High School property, church property (R1), 21 high density residential properties (R5), four neighborhood mixed use properties (MX-N2), and one commerce property (C).


**Streets**
The Humboldt Avenue area was last reconstructed in 2006. Humboldt Avenue is 50 to 70-feet wide with concrete curb and gutter. The current cost estimate assumes street improvements that consist of 30 percent curb replacement, a 2-inch mill and overlay and minor sidewalk repairs.

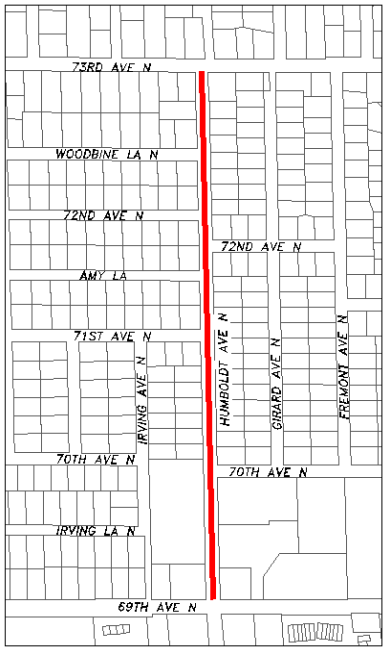
**Water main**
The existing water main in the project area consists of 6-inch DIP installed in 2006. Based on current maintenance records there have been no water main breaks in this area and one property has experienced a frozen water service in past winters. The current project estimate includes casting replacements only.

**Sanitary Sewer**
Approximately 77 percent of the sanitary sewer in the project area was replaced with 8-inch CIPP liner or 8-inch PVC when the neighborhood was reconstructed in 2006. The remaining pipe consists of 8-inch diameter VCP installed in 1965. There is no history of root intrusion in the project area. The current project estimate includes casting replacements only.

**Storm Sewer**
The storm sewer in the project area flows to trunk lines on 69th Avenue and 65th Avenue and then to the Mississippi River. The storm sewer consists of 15-inch and 18-inch diameter HDPE and 21-inch to 27-inch RCP installed in 2006. The current project estimate includes casting replacements only.

**Street Lighting**
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.

# Humboldt Avenue Improvements (69th Ave to 73rd Ave) - 2027




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 28 residential properties, five neighborhood mixed-use properties (MX-N1 and MX-N2).

**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 35 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. Approximately 8 percent of the sanitary sewer is subject 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 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.

# 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 359 residential properties, three park properties, one church property, two medium density residential properties (R4), two high density residential properties (R5), three neighborhood mixed-use properties (MX-N2), two planned use development properties (PUD) .


**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 30 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 have been two water main breaks 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**

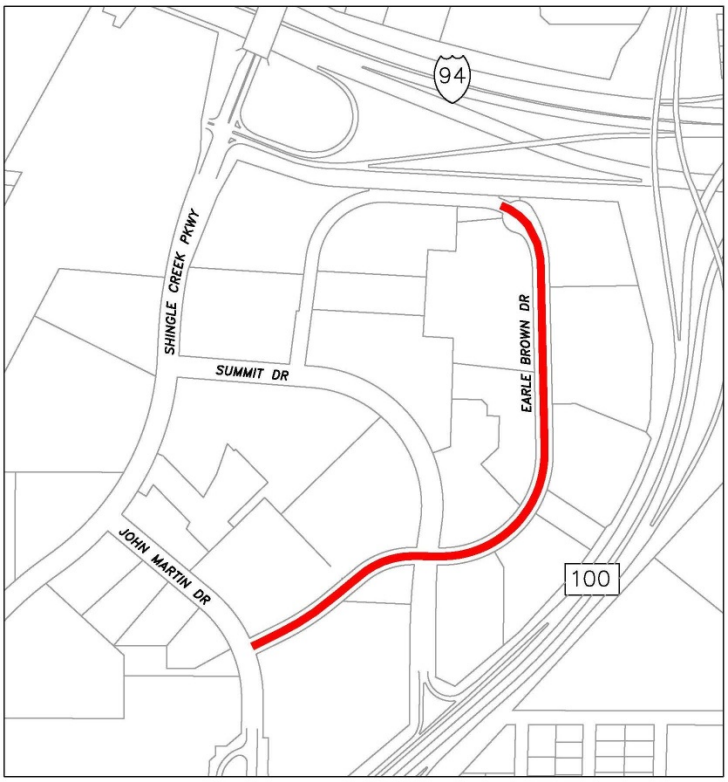
Approximately 83 percent of the storm sewer in the project area was installed in 2000 when the neighborhood was reconstructed. The remaining pipe consists of 15-inch, 36-inch and 72-inch pipe installed in the backyards between 64th Avenue and 65th Avenue in 1956. The storm sewer in this neighborhood 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.

# Earle Brown Drive Area Improvements - 2028

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 four commercial mixed-use properties (MX-C), seven business mixed-use properties (MX-B), and two planned unit development mixed properties (PUDMIXED).




**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 30 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 two main breaks have occurred within the area. The current project cost estimate includes casting replacement only.

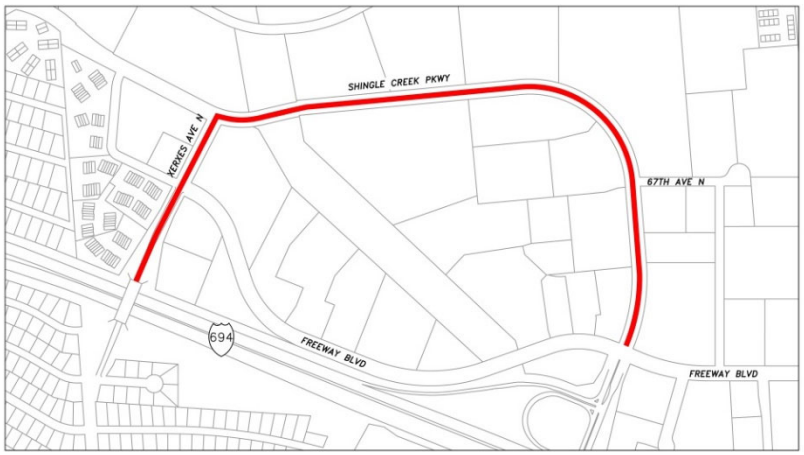
**Sanitary Sewer**
The sanitary sewer in the project area consists of 8-inch diameter VCP installed in 1971 and 1974. There is no history of root intrusion in this area. The current project cost estimate includes casting replacement only.

**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.

# Shingle Creek Parkway and Xerxes Avenue Mill and Overlay - 2028

The project area includes Shingle Creek Parkway from Xerxes Avenue to Freeway Boulevard and Xerxes Avenue from the I-694 bridge to Shingle Creek Parkway. The project area contains a total of 5,551 linear feet of local streets. The project area consists of 45 medium density residential properties (R3), two commerce properties (C), 10 business mixed-use properties (MX-B), and six planned unit development properties (PUD).




**Streets**
All streets within the project area are designated as Minnesota State Aid Routes. Xerxes Avenue was reconstructed in 2008 and a mill and overlay project was done on Shingle Creek Parkway in 2005. Xerxes Avenue ranges from 38-feet to 52-feet wide with concrete curb and gutter. Shingle Creek Parkway is generally 70-feet wide but varies in some locations. The current cost estimate assumes street improvements that consist of approximately 30 percent concrete replacement and a 2-inch mill and overlay.

**Water main**
The existing water main in the project area consists of 10-inch and 12-inch diameter CIP installed between 1969 and 1974. Records indicate that there have been five water main breaks in the area. The current project estimate includes casting replacement only.

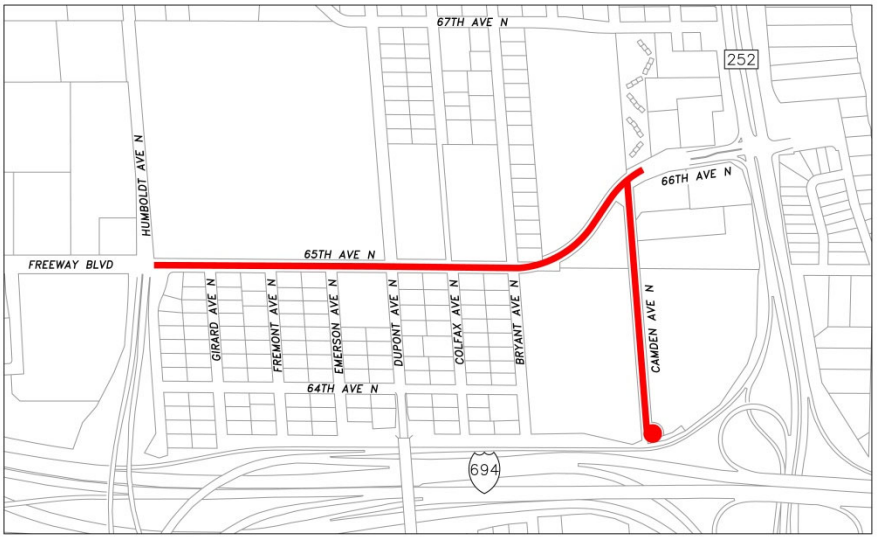
**Sanitary Sewer**
The existing sanitary sewer on Xerxes Avenue consists of 12-inch diameter RCP installed in 1969. The existing sanitary sewer on Shingle Creek Parkway consists of 8-inch and 10-inch diameter PVC installed in 1970 and 1972. The current project estimate includes cured-in-place lining of the RCP sanitary sewer mains and casting replacement.

**Storm Sewer**
The storm sewer in the west half of the project area drains to Shingle Creek and the east portion drains to the trunk line on Freeway Blvd and then east to the Mississippi River. The existing storm sewer ranges in size from 12-inch to 60-inch diameter RCP pipe installed between 1969 and 1984. The current project estimate includes casting replacement only.

**Street Lighting**
Xerxes Avenue contains an existing street light system with underground power, fiberglass poles and standard light fixtures, which were installed in 2008. The existing light system on Shingle Creek Parkway has underground power, wood poles and single and double cobrahead light fixtures. The current cost estimate includes replacing 12 wood poles with 12 fiberglass poles with a cut-off type LED light fixture and underground power.

# 65th/66th Avenue and Camden Avenue Mill and Overlay - 2028

The project includes Camden Avenue from 66th Avenue to the south cul-de-sac and 65th Avenue and 66th Avenue from Humboldt Avenue to just east of Camden Avenue. It contains a total of 4,264 linear feet of local streets. The project area consists of four low density residential properties, a City Park and Fire Station, a High School property, 21 medium density properties (R3), two high density residential properties (R5), and four planned unit development properties (PUD).




**Streets**

65th Avenue and 66th Avenue is designated as a MSA Route. Camden Avenue and a small portion of 66th Avenue was reconstructed in 1999. In 2018, the south 300 feet and cul-de-sac on Camden Avenue were reconstructed with the Top Golf development. A mill and overlay project was done on the remaining street within the project area in 2007. The roads in the project area range from 40-feet wide to 66-feet with concrete curb and gutter. The current cost estimate assumes street improvements that consist of approximately 30 percent concrete replacement, minor sidewalk repairs and a 2-inch mill and overlay.

**Water main**

The water main in the project area consists of 6-inch and 8-inch diameter CIP installed in 1960 and 1968. Water records indicate seven 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 and 10-inch diameter PVC and VCP installed in 1960, 1968 and 1989. Approximately 38 percent of the sanitary sewer is PVC pipe. There is no history of root intrusion in this area. The current project estimate includes lining of the existing VCP sanitary sewer and casting replacement in the remaining areas.

**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 66-inch diameter RCP installed in 1960, 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 Ave to Camden Ave) - 2028


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 24 low density residential properties and one church property.

**Streets**
73rd Avenue is designated as a MSA Route. The 73rd Avenue project area was last reconstructed in 2000 by the City of Brooklyn Center. 73rd Avenue contains a 32-foot wide road with concrete curb and gutter. The road is generally 33-feet wide with concrete curb and gutter. The current cost estimate assumes construction will be performed by Brooklyn Center and the cost will be shared 50 percent by each city. The estimate assumes street improvements that consist of approximately 30 percent concrete replacement and a 2-inch mill and overlay.

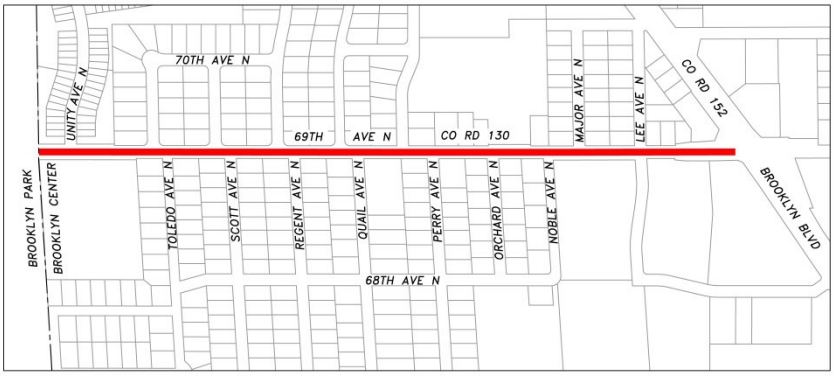
**Water main**
All of the water main in the project area was replaced with DIP in 2000 when the neighborhood was reconstructed. Water records indicate one property has experienced a frozen service in past winters. The current project cost estimate includes casting replacement only.

**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.

# 69th Avenue (CSAH 130) (Unity Ave to Brooklyn Blvd) - 2029




The 69th Avenue project extends from the western City limits to Brooklyn Boulevard. The total project length is 3,654 linear feet. The neighborhood consists of 34 low density residential properties, one church property (R1), one medium low density residential property (R2), one planned unit development property (PUD), three commerce properties (C), and two neighborhood mixed-use properties (MX-N2). The cost estimate assumed only 6 properties will be assessed for the project because the remaining properties were assessed with adjacent project.

**Streets**

This segment of roadway is a Hennepin County Roadway. The existing road is 38 feet wide with bituminous curb. The street pavement is deteriorated due to age of the pavement and inadequate drainage. The last road construction date is unknown. It is anticipated that the street improvements will consist of the reconstruction of the street subgrade, installation of curb and gutter to improve drainage, placement of bituminous street pavement and replacement of the sidewalk. This project is included in the City's CIP due to a potential cost sharing agreement for the street and drainage improvements if the County improves that roadway in the future and funding for the water main, sanitary sewer, storm sewer and street lighting improvements described below.

**Water main**

The existing water main on 69th Avenue consists of 6-inch, 8-inch and 10-inch diameter CIP installed between 1956 and 1963, and 8-inch, 10-inch and 12-inch DIP installed in 1974, 1977, 1994 and 2000. Records indicate that there have been six water main breaks in the area, and two properties have experience frozen water services in past winters. The current project cost estimate includes complete water main replacement.

**Sanitary Sewer**

The existing sanitary sewer on 69th Avenue consists of 12-inch diameter VCP installed in 1956, and 15-inch and 21-inch diameter RCP installed in 1956. There is no history of root intrusion in the project area. The current project cost estimate includes complete sanitary sewer replacement.

**Storm Sewer**

The storm sewer in the project area consists of 12-inch, 15-inch and 18-inch RCP installed by the City in 1994. The storm sewer flows north to the storm water ponds located around Unity Avenue. 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 current cost estimate includes replacing the one wood pole with one fiberglass pole with a cut-off type LED light fixture and underground power.

# Garden City North Area Mill and Overlay - 2030

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 255 residential properties, one school property, five high density residential properties (R5), two neighborhood mixed-use properties (MX-N2) and one planned unit development property (PUD).


**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. Approximately 10 percent of the sanitary sewer is subject to frequent problems with root intrusion. 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 232 residential properties, three church properties, one high density residential property (R5), five neighborhood mixed-use properties (MX-N2), and two transit oriented development properties (TOD).


**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 30 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 12 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.

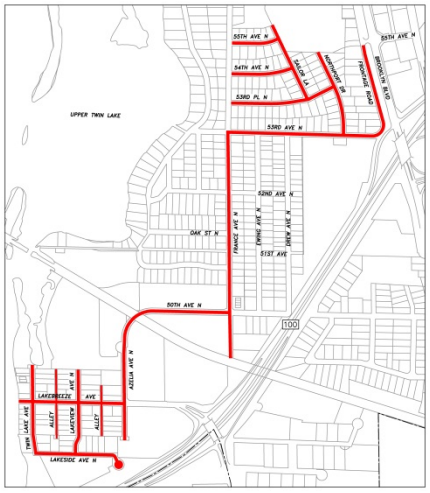
**Storm Sewer**

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 Mill and Overlay- 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 132 low density residential properties, 50 medium density residential properties (R2), 36 medium and high density residential properties (R4 and R5), 9 general industrial properties (I), and one planned unit development property (PUD).

**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 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. A ten-foot-wide bituminous trail was installed on Azelia Avenue south of Lakebreeze Avenue in 2012. The current cost estimate assumes street improvements that consist of approximately 40 percent concrete replacement, a 2-inch mill and overlay, and bituminous trail replacement.

**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 four 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. 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 19 percent of the sanitary sewer 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**

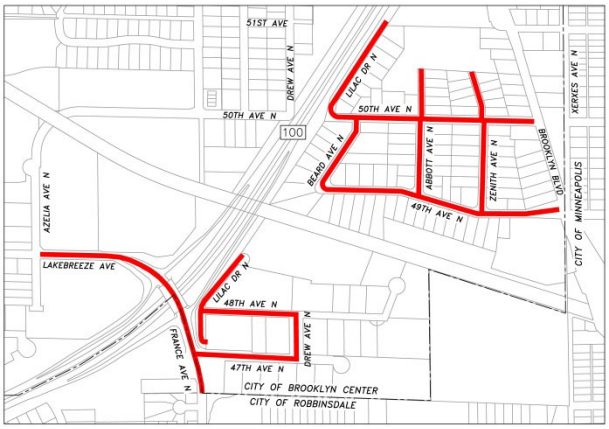
Approximately 82 percent of the storm sewer in the project area was installed between 2002 and 2005 when the neighborhood was reconstructed. The remaining pipe consists of 15-inch to 48-inch RCP installed in 1938 and 1957. The storm sewer in northeast portion of the project area flows to the ponds at 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.

**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 Mill and Overlay - 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 93 low density residential properties, four high density residential properties (R5), eight industrial properties (I), and two planned unit development (PUD).




**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. A ten-foot-wide bituminous trail was installed on Azelia Avenue, south of Lakebreeze Avenue, when the area was reconstructed. The current cost estimate assumes street improvements that consist of approximately 40 percent concrete replacement, a 2-inch mill and overlay, and bituminous trail replacement.

**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. 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 8 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, and wood poles with standard light fixtures. The current cost estimate includes replacing the two wood pole with two fiberglass poles with a cut-off type LED light fixture and replacing the standard light fixtures with a cut-off type LED light fixture.

# Southeast Alleys Improvements – 2032

The Southeast Alley project area includes all alleys between Morgan Avenue and Dupont Avenue from 53rd Avenue to 57th Avenue. The project area contains a total of 7,978 linear feet. The project area consists of approximately 30 low density residential properties (R1), 203 medium low density residential properties (R2), and 2 medium high density residential properties (R4).


**Streets**
Three of the alleys in the project area were 10 feet wide, constructed with concrete in 1989. The remaining alleys were constructed with bituminous pavement in 1999 and 2000 and are also 10 feet wide. The current cost estimate assumes complete alley reconstruction with bituminous pavement and without concrete curb and gutter.

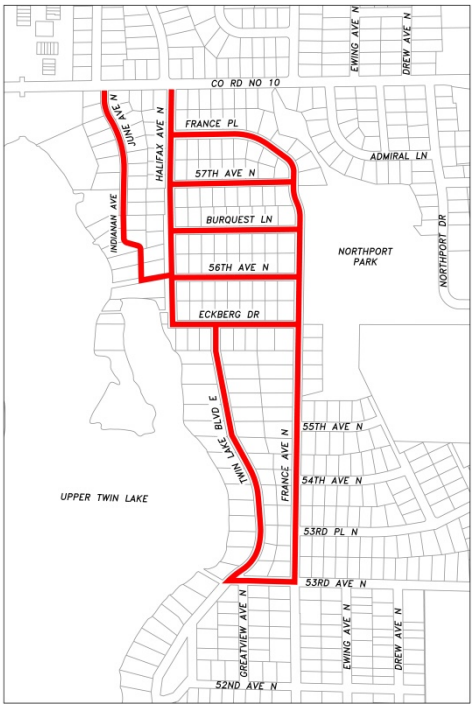
**Water main**
There is no water main within the Southeast Alley project area.

**Sanitary Sewer**
There is no sanitary sewer within the Southeast Alley project area.

**Storm Sewer**
The storm sewer in the project area drains to the trunk storm line on 55th Avenue and then east to the Mississippi River. The existing storm sewer in the area consists of 10-inch PVC, 12-inch RCP, PVC and CMP; and 15-inch PVC installed between 1974 and 1989. The current project estimate includes casting replacement as necessary.

**Street Lighting**
The existing street light system contains overhead power with wood poles and non-standard light fixtures. The current cost estimate assumes replacing four old light fixtures with cut-off type LED light fixtures on the existing wood pole.

# Northport Area Mill and Overlay- 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 178 low density residential properties (R1).

**Streets**

The Northport project area was last reconstructed in 2004. Halifax 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 30 percent curb 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**

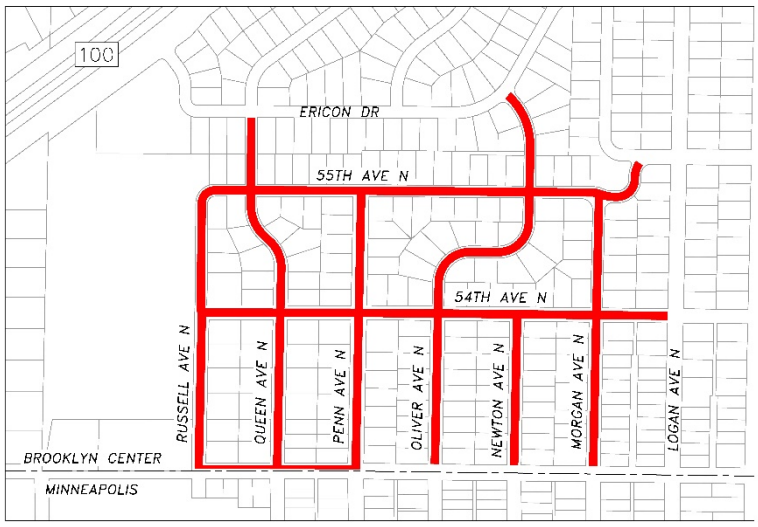
Approximately 96 percent of the storm sewer in the project area was installed in 2004 when the neighborhood was reconstructed. The remaining pipe consists of 15-inch and 18-inch pipe installed in 1960. The storm sewer in the project area flows to Upper Twin Lake and a stormwater ponds at Northport Park.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

# Lions Park South Mill and Overlay - 2034

The Lions Park South project area extends from Russell Avenue to Logan Avenue and from Ericon Drive to 53rd Avenue. The project area contains a total of 12,741 linear feet of local streets. The neighborhood consists of approximately 97 low density residential properties (R1), 89 medium low density residential properties (R2), and one medium high density residential properties (R4).




**Streets**

The Lions Park South project area was last reconstructed in 2005. Russell Avenue and 54th Avenue contain 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 30 percent curb replacement and a 2-inch mill and overlay.

**Water main**

All of the 6-inch diameter water main in the Lions Park South project area was replaced with DIP in 2005 when the neighborhood was reconstructed. The remaining water main in the area consists of 16-inch steel installed in 1965. 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 only.

**Sanitary Sewer**

All of the sanitary sewer in the project area was replaced with PVC when the neighborhood was reconstructed in 2005. The current project estimate includes casting replacement only.

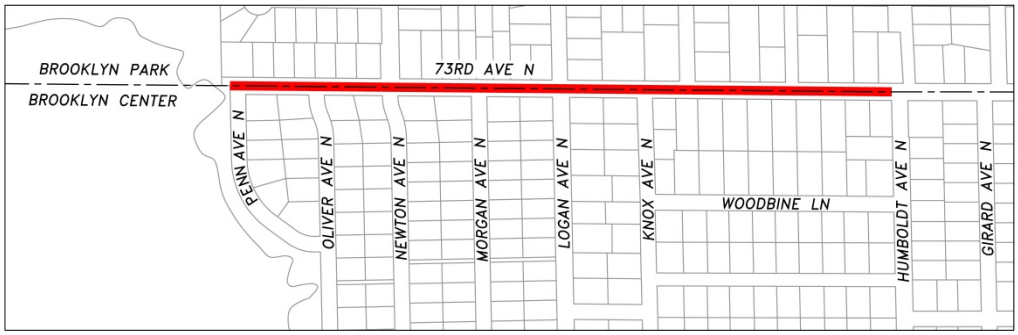
**Storm Sewer**

All of the storm sewer in the project area was installed in 2005 when the neighborhood was reconstructed. The existing pipe consists of 12-inch to 36-inch pipe. The storm sewer in the project area flows to a trunk line on 55th Avenue and then to the Mississippi River, and to a storm water pond at Lions Park and then to Shingle Creek. 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 2005. The existing stand-alone poles in the project area are owned and maintained by the City. The current cost estimate assumes no street light replacements.

# 73rd Avenue Mill and Overlay (Penn Ave to Humboldt Ave) - 2034




The 73rd Avenue project extends from Penn Avenue to Humboldt Avenue. The project area contains a total of 2,606 linear feet of local streets. The neighborhood consists of approximately 20 low density residential properties (R1).

**Streets**
73rd Avenue is the border between Brooklyn Center and Brooklyn Park. The 73rd Avenue project area was last reconstructed in 2004 by the City of Brooklyn Park. 73rd Avenue contains a 32-foot wide road with concrete curb and gutter. The current cost estimate assumes construction will be performed by Brooklyn Park and the cost will be shared 50 percent by each city. The estimate assumes street improvements that consist of approximately 30 percent curb replacement and a 2-inch mill and overlay.

**Water main**
Approximately 65 percent of the water main in the 73rd Avenue project area was replaced with PVC in 2004 when the neighborhood was reconstructed. The remaining water main in the area consists of 6-inch CIP installed in 1967. Records indicate there has been one water main break in the neighborhood and one property has experienced a frozen water service in past winters. The current project estimate includes assumes lining the 1967 water main and insulating the frozen water service. In the remainder of the project area the cost estimate assumes casting replacement that shall be paid fully by Brooklyn Center.

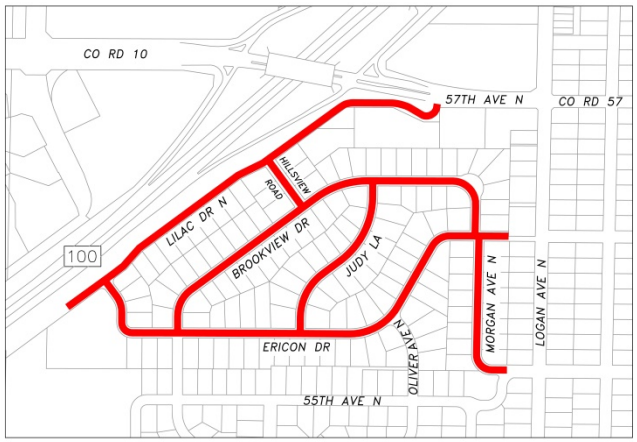
**Sanitary Sewer**
Approximately 48 percent of the sanitary sewer main in the project area was replaced with PVC when the neighborhood was reconstructed in 2004. All of the existing sanitary manholes were left in place. The remaining water main in the area consists of 8-inch diameter VCP installed in 1967. The current project estimate includes lining the 1967 sanitary sewer and complete casting replacement in the remainder of the project area. The cost shall be paid fully by Brooklyn Center.

**Storm Sewer**
All of the storm sewer in the project area was installed in 2004 when the neighborhood was reconstructed. The existing storm sewer consists of 12-inch to 18-inch diameter RCP that drains west to Palmer Lake and drains east to the trunk line on 70th Avenue and then to the Mississippi River. The current project estimate includes casting replacement as necessary and the cost will be shared by the two cities.

**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.

# Centerbrook Area Mill and Overlay - 2035

The Centerbrook project area is bounded by Highway 100 on the west, Logan Avenue on the east, 57th Avenue on the north and 55th Avenue on the south. The project area contains a total of 9,105 linear feet of local streets. The neighborhood consists of approximately 138 low density residential properties (R1) and four commerce properties (C).




**Streets**

The Centerbrook project area was last reconstructed in 2006. The south section of Lilac Drive N contains a 28-foot wide road. 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. A 10-foot wide bituminous trail was installed on the west side of Lilac Drive N in 2006 when the neighborhood was reconstructed. The current cost estimate assumes street improvements that consist of approximately 30 percent curb replacement, a 2-inch mill and overlay, and full depth trail replacement.

**Water main**

Approximately 89 percent of the water main in the Northport project area was replaced with DIP in 2006 when the neighborhood was reconstructed. The remaining water main in the area consists of 6-inch and 8-inch CIP installed in 1964 and 1965. Records indicate there have been no water main breaks in the neighborhood and two properties have experienced a frozen water service in past winters. The current project estimate includes assumes casting replacement.

**Sanitary Sewer**

Approximately 96 percent of the sanitary sewer in the project area was replaced with PVC or CIPP liner when the neighborhood was reconstructed in 2006. The remaining sanitary sewer consists of 8-inch diameter VCP installed in 1965. The current project estimate includes casting replacement.

**Storm Sewer**

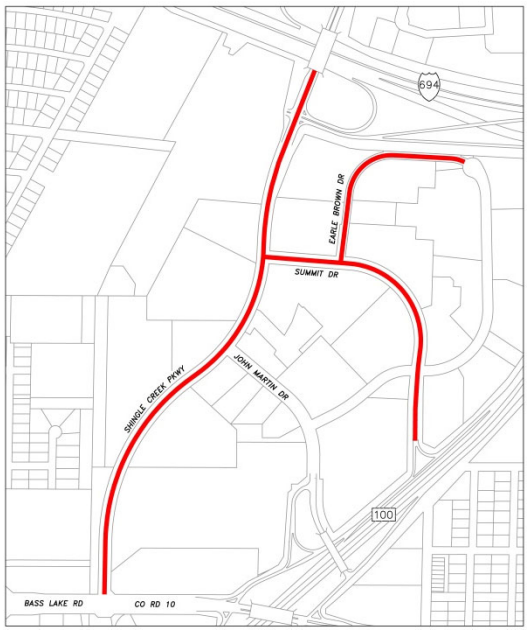
Approximately 80 percent of the storm sewer was installed when the project area was reconstructed in 2006. The remaining storm sewer consists of 48-inch RCP installed in 1988 and 15-inch RCP installed in 1996. The majority of the project area drains to the west to storm water ponds at the Centerbrook Golf Course or drainage ditches along Highway 100, and then flows to Shingle Creek. The remaining storm sewer flows east to at storm water trunk line on 55th Avenue and then to the Mississippi River. 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 2006. The existing stand-alone poles in the project area are owned and maintained by the City. The current cost estimate assumes no street light replacements.

# Shingle Creek Pkwy/Summit Dr/Earle Brown Dr Mill and Overlay - 2035

This project area extends on Shingle Creek Pkwy from Bass Lake Road (County Road 10) to I-694, Earle Brown Drive from Summit Drive to the Earle Brown Heritage Center, and includes all of Summit Drive. The project area contains a total of 8,595 linear feet of local streets. The project area consists of approximately three business mixed use properties (MX-B), one multi-family property (R7), 10 commercial mixed use properties (MX-C), two transit oriented development properties (TOD), and six planned unit development properties (PUD).




**Streets**
This project area was last reconstructed between 2005 and 2006. Shingle Creek Pkwy and Summit Drive are designated as a MSA Routes. The local streets within the project area consist of 32-foot to 50-foot wide roads with concrete curb and gutter. Shingle Creek Pkwy has concrete and landscaped islands separating the driving lanes. The current cost estimate assumes street improvements that consist of approximately 40 percent concrete replacement, a 3-inch mill and overlay on Shingle Creek Pkwy and Summit Drive, and a 2-inch mill and overlay on Earle Brown Drive.

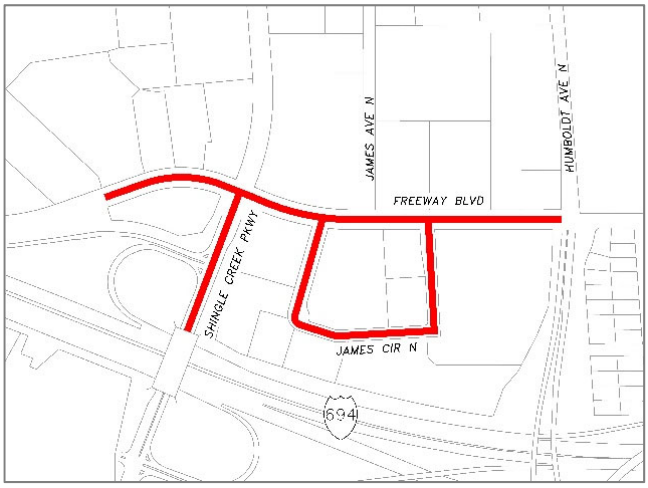
**Water main**
The water main in the area consists of 8-inch, 10-inch, 12-inch and 16-inch CIP and DIP installed in 1961, 1969, 1974, and 1981. Records indicate there have been nine water main breaks in the area and no properties in the area have experienced a frozen water service in past winters. The current project estimate includes replacing all valves and hydrants in the project area, replacing 30 percent of the water main on Summit Drive, and lining the remaining CIP installed in the early 1960s.

**Sanitary Sewer**
The sanitary sewer in the project area consists of 8-inch, 10-inch, and 12-inch VCP, PVC, RCP, and ABS truss pipe. Approximately 34 percent of the sanitary sewer in the project area was replaced with PVC when the area was reconstructed between 2005 and 2006. One segment of sanitary sewer requires annual jet cleaning, but root saw maintenance is not required in the project area. The current project estimate includes lining of the existing VCP, RCP, and ABS truss pipe and casting replacement in the remaining areas.

**Storm Sewer**
Approximately 6 percent of the storm sewer in the project area was installed between 2005 and 2006 when the area was reconstructed. The remaining pipe consists of 12-inch to 72-inch RCP installed in 1969, 1971, and 1981. The storm sewer in the south half of the project area flows west to Shingle Creek. The north half of the project area flows north to a trunk line on 65$^{th}$ Avenue and then east to the Mississippi River. The current project estimate includes replacing storm sewer impacted by water main replacement and casting replacement.

**Street Lighting**
The north half of the project area contains a City owned lighting system with underground power, aluminum poles and decorative light fixtures. This lighting system is schedule to be updated with a separate project in 2023. The current cost estimate assumes no street light replacements.

# Freeway Boulevard Area Improvements - 2036




This project area extends on Freeway Blvd from the Shingle Creek bridge to Humboldt Avenue, on Shingle Creek Pkwy from the I-694 bridge to Freeway Blvd, and James Circle south of Freeway Blvd. The project area contains a total of 4,993 linear feet of local streets. The project area consists of approximately one high density residential property (R5), two commerce properties (C), 11 business mixed use properties (MX-B), and five planned unit development properties (PUD).

**Streets**

This project area was last reconstructed in 2007. Freeway Blvd and Shingle Creek Pkwy are designated as MSA Routes. The local streets within the project area consist of 28-foot to 44-foot wide roads with concrete curb and gutter. Shingle Creek Pkwy has concrete islands separating the driving lanes. The current cost estimate assumes full depth pavement replacement, 40 percent curb replacement, and complete sidewalk replacement.

**Water main**

The water main in the area consists of 8-inch, 10-inch, 12-inch and 16-inch CIP and DIP installed in 1969, 1974, 2006, and 2009. Records indicate there have been two water main breaks in the area and no properties in the area have experienced a frozen water service in past winters. The current project estimate includes replacing all valves and hydrants in the project area, and replacing all of the existing CIP water main.

**Sanitary Sewer**

The sanitary sewer in the project area consists of 8-inch and 10-inch VCP and PVC pipe. Approximately 38 percent of the sanitary sewer in the project is PVC installed in 1969 and 1988. Approximately 13 percent of the sanitary sewer is subject 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 replacing the existing VCP pipe and casting replacement throughout the project area.

**Storm Sewer**

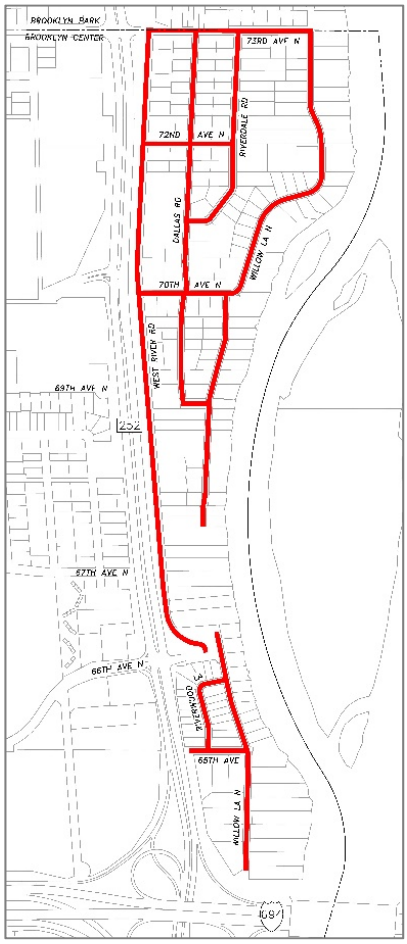
The storm pipe within the project area consists of 12-inch to 60-inch RCP installed in 1969, 1974, 1978, and 1988. The storm sewer in the project area flows to a trunk line on 65$^{th}$ Avenue and then east to the Mississippi River. The current project estimate includes casting replacement only.

**Street Lighting**

The existing street light system contains underground power with fiberglass poles and standard light fixtures for all freestanding poles. The current cost estimate assumes no street light replacements.

# Riverwood Area Improvements - 2036

The Riverwood project area is bounded by Highway 252 on the west, the Mississippi River on the east, 73rd Avenue on the north, and I-694 on the south. The project area contains a total of 17,897 linear feet of local streets. The neighborhood consists of approximately 202 low density residential properties (R1), three medium low-density residential properties (R2), 10 medium high and high density residential properties (R4 and R5), and 21 planned unit development properties (PUD).




**Streets**

Riverwood Lane was built in 2002 and the remaining area was reconstructed in 2007. West River Road and the north block of Dallas road were overlaid and the remaining streets were completely reconstructed. All local streets within the project area consist of 30-foot wide roads with concrete curb and gutter. A 10-foot wide bituminous trail was installed on the west side of West River Road in 1990 (now owned by Three Rivers). A five-foot concrete sidewalk was installed on the west side Willow Lane south of 66th Avenue in 2007. The current cost estimate assumes street improvements that consist of approximately 40 percent curb replacement and full depth pavement replacement.

**Water main**

Approximately 72 percent of the water main in the Riverwood project area was replaced with DIP in 1990, 2002, and 2007. The remaining water main in the area consists of 6-inch, 8-inch and 10-inch CIP installed between 1961 and 1971. Records indicate there have been 10 water main breaks in the neighborhood and one property has experienced a frozen water service in past winters. The current project estimate includes replacement of the existing CIP water main and replacing valves and hydrants throughout the project.

**Sanitary Sewer**

Approximately 54 percent of the sanitary sewer in the project are contains new PVC and DIP pipe installed in 2002 and 2007. The remaining sanitary sewer consists of 8-inch and 10-inch diameter VCP and 15-inch RCP pipe installed between 1960 and 1968. Approximately 19 percent of the sanitary sewer is subject 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 replacing the existing VCP and RCP and casting replacement throughout the project area. The existing RCP sanitary pipe on Willow Lane south of 70th Avenue is scheduled to be lined with a separate project in 2030.

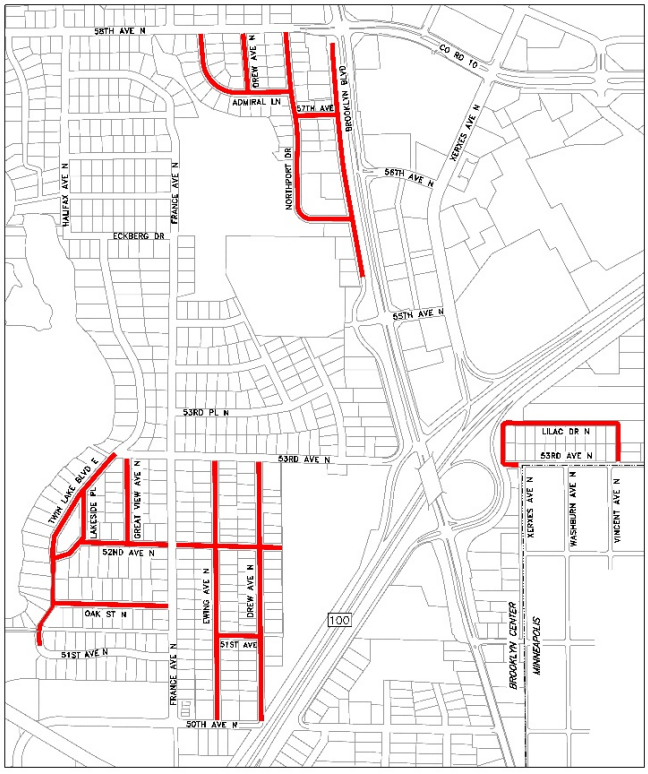
**Storm Sewer**

Approximately 62 percent of the storm sewer was installed when the project area was reconstructed in 2002 and 2007. The storm sewer in the project area consists of 12-inch to 78-inch RCP, HDPE, and 4-inch diameter drain tile installed between 1957 and 2007. The project area drains east to the Mississippi River. The current project estimate includes storm sewer replacement as needed for sanitary sewer and water main replacement and casting replacement throughout the project.

**Street Lighting**

All existing standalone street lights within the project area have fiberglass poles and standard light fixtures, which were installed in 2007. The existing stand-alone poles in the project area are owned and maintained by the City. The current cost estimate assumes no street light replacements.

# Twin Lake North Area Mill and Overlay - 2037




The north portion of the Twin Lake North project extends from County Road 10 to 55th Avenue, and from Admiral Lane to Brooklyn Boulevard. The south portion of the project extends from 53rd Avenue to 50th Avenue, and from Twin Lake Blvd East to Highway 100. The east portion of the project area extends from the Centerbrook Golf Course to 53rd Avenue, and from Highway 100 to Vincent Avenue. The project area contains a total of 16,774 linear feet of local streets. The neighborhood consists of approximately 196 low density residential properties (R1), 8 medium density residential properties (R3, R4, and R5), 20 neighborhood mixed use properties (MX-N1), and one commerce property (C).

**Streets**

The Twin Lake North project area was last reconstructed in 2010. The Brooklyn Blvd frontage road, lying south of 57th Avenue, is a 28-foot wide road with ribbon curb on the east side, Vincent Avenue is a 25-foot wide road, and Lilac Drive N is a 26-foot wide road. All remaining road within the project area consist of 30-foot wide roads. A 5-foot walk was installed on the west side of Northport Drive and the Brooklyn Blvd service road in 2010. The current cost estimate assumes street improvements that consist of 30 percent curb replacement, miscellaneous sidewalk replacements, and full depth pavement replacement.

**Water main**

Approximately 45 percent of the water main in the Twin Lake North project area was replaced with DIP in 2010. The remaining water main in the area consists of 6-inch and 8-inch CIP installed between 1965 and 1973, and 12-inch and 16" steel pipe installed in 1965. Records indicate there have been 5 water main breaks in the neighborhood and two properties have experienced frozen water services in past winters. The current project estimate includes replacement of the existing steel water main and casting replacement as needed.

**Sanitary Sewer**

Nearly all of the sanitary sewer in the project area was reconstructed in 2010. A short section of old VCP pipe remains on Northport Drive at the connect to County Road 10. The remaining pipe was reconstructed with a new CIPP pipe liner or PVC pipe. The current project estimate includes lining the existing VCP pipe and casting replacement throughout the project area.

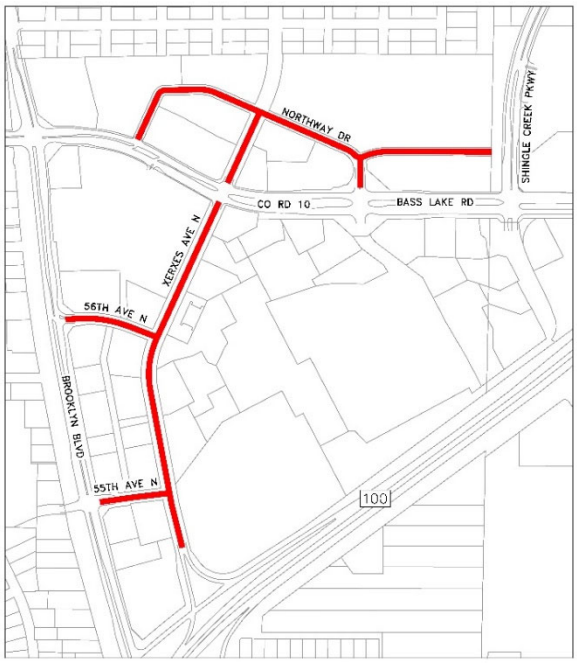
**Storm Sewer**

Approximately 61 percent of the storm sewer was installed when the project area was reconstructed in 2010. The storm sewer in the project area consists of 12-inch to 48-inch RCP and HDPE, and 4-inch diameter drain tile installed between 1957 and 2010. A majority of project area drains east to storm water ponds at Centerbrook Golf Course. Storm sewer on Twin Lake Blvd East flows to Upper Twin Lake, and two other small drainage areas drain to local storm water ponds. The current project estimate casting replacement as needed.

**Street Lighting**

All existing standalone street lights within the project area have fiberglass poles and standard light fixtures. The current cost estimate assumes no street light replacements.

# Xerxes Avenue and Northway Drive Area Improvements - 2037




This project area includes local roads between Northway Drive and Highway 100, and between Brooklyn Boulevard and Shingle Creek Parkway. The project area contains a total of 6,384 linear feet of local streets. The project area consists of 10 transit-oriented development properties (TOD), nine planned unit development properties (PUD), 11 commercial mixed-use properties (MX-C), and one commerce property (C).

**Streets**

This project area was last reconstructed in 2008. Xerxes Avenue, 55th Avenue, and 56th Avenue are designated as MSA Routes. The local streets within the project area consist of 30-foot to 52-foot wide roads with concrete curb and gutter. The five-foot concrete sidewalks in the project area were spot repaired in 2008. A 10-foot wide concrete walk was also installed on the east side of Xerxes Avenue and the south side of 55th Avenue. This 10-foot walk is now owned and maintained by Three Rivers Park District. Streetscape items such as colored concrete, maintenance strips, decorative gardens, and irrigation were installed with the project in 2008. The current cost estimate assumes full depth pavement replacement, 40 percent curb replacement, 50 percent sidewalk replacement, and replacement of streetscape items impacted by utility replacement.

**Water main**

The existing water main in project area consists of 6-inch to 12-inch diameter CIP and DIP installed between 1961 and 2008. Approximately 10 percent of the watermain was replaced in 2008 when the area was reconstructed. Records indicate there have been 4 water main breaks in the neighborhood. The water main is in fair condition based on current maintenance records. The current project cost estimate assumes replacing 100 percent of the water main.

**Sanitary Sewer**

The sanitary sewer in the project area consists of 8-inch ABS Truss, VCP and PVC pipe. Approximately 8 percent of the sanitary sewer in the project is PVC installed 2008. Approximately 43 percent of the sanitary sewer is subject 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 complete replacement of the sanitary sewer.

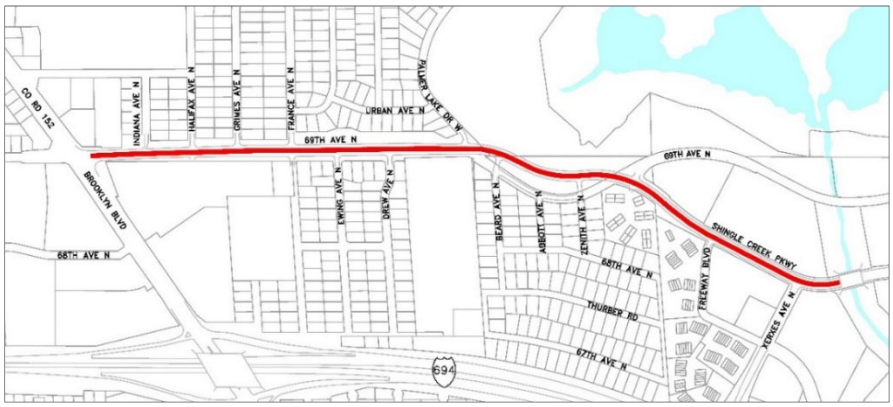
**Storm Sewer**

Approximately 31 percent of the storm sewer was installed when the project area was reconstructed in 2008. The storm sewer in the project area consists of 12-inch to 48-inch RCP and HDPE pipe installed between 1961 and 2008. The north part of the project area flow east to Shingle Creek and the south portion of the project flows east to the Centerbrook Golf Course ponds. The current project estimate replacing storm sewer impacted by other utility replacements and casting replacement.

**Street Lighting**

The street lighting in the project area is decorative lighting that was installed with other streetscape element when the area was reconstructed in 2008. The current cost estimate assumes no street light replacements.

# 69th Avenue and Shingle Creek Pkwy Improvements – 2038




This project area includes 69th Avenue from Brooklyn Blvd (County Road 152) east to the intersection of 69th Avenue and Shingle Creek Pkwy. The project area also includes Shingle Creek Pkwy from 69th Avenue to the Shingle Creek bridge east of Xerxes Avenue. The project area contains a total of 5,560 linear feet of local streets. The project area consists of approximately four low density residential properties (R1), one public open space property (O), 46 medium density residential properties (R3), three planned use development properties (PUD), two neighborhood mixed-use properties (MX-N2), and one business mixed use property (MX-B).

**Streets**

In 1992 the roadways in the project area were realigned and changed from a standard two-lane road to a divided four-lane road. In 2009 a second project was completed that consisted of miscellaneous curb repairs and pavement rehabilitation. All roads within this project area are designated as MSA Routes. The roads are 28-feet wide with concrete curb and gutter and concrete islands separating the driving lanes. A ten-foot-wide bituminous trail was installed on the north side of 69th Avenue in 1993. The remaining areas have 5-foot concrete sidewalk in the north and south boulevards installed between 1973-2021. The current cost estimate assumes street improvements that consist of miscellaneous concrete repairs and full depth pavement replacement.

**Water main**

The water main in project area consists of 6-inch to 20-inch diameter CIP and DIP installed between 1956-2000. About 45 percent of the watermain was replaced between 1992-2000. Records indicate there has been 1 water main break in the area, and one property has experienced a frozen water service in past winters. The water main is in fair condition based on current maintenance records. The current project cost estimate assumes lining the 10" CIP water main and replacing valves and hydrants throughout the project area.

**Sanitary Sewer**

The sanitary sewer in the project area consists of 8-inch to 21-inch PVC, RCP, DIP, and ABS truss pipe. The sanitary sewer on 69th Avenue was reconstructed with in 1992. The sanitary sewer on Shingle Creek Pkwy consists of ABS truss pipe installed in 1969. Root saw maintenance is not required in the project area. The current project estimate includes lining of the existing ABS truss pipe and casting replacement.

**Storm Sewer**

Approximately 38 percent of the storm sewer in the project area was installed between 1992-2009 when the neighborhood was reconstructed. The remaining pipe consists of 12-inch to 48-inch RCP installed between 1956-1979. The storm sewer in the west portion of the project area flows to storm water ponds near Palmer Lake and the east portion of the project area flow to Shingle Creek. The current project estimate includes replacing storm sewer impacted by other utility replacements and casting replacement.

**Street Lighting**

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

# Willow Lane Area Improvements – 2038

The south portion of the Willow Lane project extends from Vera Cruz Avenue to Noble Avenue, and from 67th Avenue to 69th Avenue. The north portion of the project extends from Major Avenue to Lee Avenue, and from 69th Avenue to Brooklyn Boulevard. The project area contains a total of 14,340 linear feet of local streets. The neighborhood consists of approximately 218 low density residential properties (R1) and 6 medium low density residential properties (R2), one medium density residential property (R3), and 1 commerce property (C).


**Streets**

The Willow Lane project area was last reconstructed in 2008. 67th Avenue contains an 18-foot wide road, and 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. A 6-foot wide concrete sidewalk was installed on the south side of 69th Avenue in 2016. The current cost estimate assumes street improvements that consist of miscellaneous concrete repairs and full depth pavement replacement.

**Water main**

Approximately 74 percent of the water main in the Willow Lane project area was replaced with DIP in 2008 when the neighborhood was reconstructed. The remaining water main in the area consists of 6-inch and 12-inch CIP and DIP installed between 1973 and 1984. Records indicate there have been no water main breaks in the neighborhood and three properties have experienced a frozen water service in past winters. The current project estimate includes assumes valve and hydrant replacement throughout the project area.

**Sanitary Sewer**

Approximately 99 percent of the sanitary sewer in the project area was replaced with PVC or HDPE when the neighborhood was reconstructed in 2006. The remaining sanitary sewer consists of 8-inch diameter VCP installed in 1956 and 1957. The current project estimate includes casting replacement.

**Storm Sewer**

All of the storm sewer in the City right-of-way within the project area was installed when the project area was reconstructed in 2008. The remaining storm sewer in rear and side lot easements consists of 15-inch to 36-inch RCP installed in 1959. The storm sewer in the project area drains to regional stormwater ponds along Unity Avenue, at Cahlander Park, and West Palmer Park. The current project estimate includes replacing storm sewer impacted by other utility replacements and casting replacement.

**Street Lighting**

All existing standalone street lights within the project area have fiberglass poles and standard light fixtures, which were installed in 2008. The existing stand-alone poles in the project area are owned and maintained by the City. The current cost estimate assumes no street light replacements.

# Water Main and Sanitary Sewer Improvements

**Lift Station No. 5 Rehabilitation – 2024**
This project includes the rehabilitation of lift station No. 5 with a full evaluation of pumps, control equipment and appurtenances.

**Lift Station No. 9 Rehabilitation - 2024**
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 - 2024**
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 Nos. 6 and 8; Water Treatment Plant HSP No. 4 - 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. 4 started operation in 2015 with the new Water Treatment Plant. The HSP needs complete rehabilitation of motor and pump.

**I94/Dupont Ave Water Main Crossing Replacement - 2024**
The existing water main which crosses under Interstate 94 near Dupont Avenue consists of 24-inch diameter welded steel pipe installed in 1963. Water records indicate three main breaks have occurred just north of Interstate 94 but required either lane closures or ramp closures to repair. The repairs have all been quite expensive and disruptive. This project includes jacking approximately 700’ of new 24-inch diameter water main within a casing pipe under Interstate 94 near Dupont Avenue from Lilac Drive to just north of Interstate 94.

**Well Nos. 2 and 3; Water Treatment Plant HSP (BW) - 2025**
The rehabilitation of both wells will be completed in 2019. The wells need 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. 11 Well and Pumphouse – 2025**
This project includes construction of a new well and pumphouse to replaced existing Well No. 7.

**Water Treatment Plant Redundant Water Main Connection - 2025**
The Water Treatment Plant has been in service since January 2016. This project includes installation of approximately 1,100’ of new 20-inch diameter water main within the Evergreen Park to provide a redundant water main connection to the water main distribution system. The redundant connection is desired in the event the existing connection requires repair which could otherwise result in disruption of water service to the community.

**Lift Station No. 3 Rehabilitation - 2026**
This project includes the rehabilitation of lift station No. 3 with a full evaluation of pumps, control equipment and appurtenances.

**Well No. 5 and Water Treatment Plant HSP No. 3 - 2026**
The rehabilitation of the well will be completed in 2020. The well needs complete rehabilitation of motor and pump. 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 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.

**Freeway and Highway Utility Crossing Replacement - 2027**
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 water main which varies in sizes from 6-inch to 10-inch diameter cast iron pipe (CIP) that were installed between 1961 and 1968 under Highway 252. The water main replacements would be coordinated with the TH 252/66th Avenue Interchange and 70th Avenue Pedestrian Overpass project.

**Water Meter Full System Replacement- 2028**
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.

**Water Treatment Plant HSP No. 2 - 2028**
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. 4 - 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. 4 was last completed in 2024. The HSP needs complete rehabilitation of motor and pump.

**Sanitary Sewer Lining (Miss. River Trunk North of I-694 to 70$^{th}$ Avenue/Willow Lane) - 2030**
This project extends from the manhole at 70$^{th}$ 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 Force Main Lining (Under I-94) - 2030**
The existing 406-foot section of 16-inch DIP force main, located under I-94 at 52$^{nd}$ 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 force main was installed from lift station No. 2 to the I-94 crossing on the east side of 52$^{nd}$ Avenue.

**Well Nos. 6 and 8; Water Treatment Plant HSP (BW) - 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 (BW) 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 No. 3 - 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 No. 3 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.

**Water Treatment Plant HSP No. 4 - 2034**
The rehabilitation of High Service Pump No. 4 was last completed in 2029. The HSP needs complete rehabilitation of motor and pump.

**Well Nos. 4 and 9; Water Treatment Plant HSP (BW) - 2035**
The rehabilitation of both wells will be completed in 2029. Both wells need complete rehabilitation of motor and pump. The rehabilitation of High Service Pump (BW) was last completed in 2030. The HSP needs complete rehabilitation of motor and pump.

**Well Nos. 6 and 8; Water Treatment Plant HSP No. 3 - 2036**
The rehabilitation of both wells will be completed in 2030. Both wells need complete rehabilitation of motor and pump. The rehabilitation of High Service Pump No. 3 was last completed in 2031. The HSP needs complete rehabilitation of motor and pump.

**Well Nos. 2 and 3; Water Treatment Plant HSP No. 1 - 2037**
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 No. 1 was last completed in 2032. The HSP needs complete rehabilitation of motor and pump.

**Well No. 5; Water Treatment Plant HSP No. 2 – 2038**
The rehabilitation of the well was last completed in 2032. The well needs complete rehabilitation of motor and pump. The rehabilitation of High Service Pump No. 2 was last completed in 2033. The HSP needs complete rehabilitation of motor and pump.

# Street Light and Traffic Signal Improvements

**Earle Brown/Opportunity Area Street Light Replacement (Ornamental at Nodes) - 2024**
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/Summit Avenue) – 2027**
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) – 2027**
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.

**Brooklyn Boulevard (65th Ave 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 have been updated starting in the 2017 budgeting process using Facility Dude data. In 2023 Oertel Architects LTD and Kraus-Anderson were hired to create a 15 year Capital Maintenance Building Plan replacing the previous plans.

# 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 48-001 - 2024**
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 - 2031**
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 - 2031**
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 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 12-003 - 2032**
Pond 12-003 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 12-004 - 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 Avenue at 57th Avenue. 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.

**Storm Water Pond 46-001 - 2036**
Pond 45-001 is located west of Perry Avenue at Winchester Lane at Orchard Lane Park. The pond receives runoff from approximately 90.8 acres of upstream residential runoff. This pond was constructed in 1996. The proposed work consists of the removal of sediment and vegetation to restore the water quality treatment performance of the pond.

**Storm Water Pond 50-001 - 2036**
Pond 50-001 is located west of Brooklyn Boulevard in Cahlander Park. The pond receives runoff from approximately 165.1 acres of upstream residential runoff. This pond was constructed in 1995. The proposed work consists of the removal of sediment and vegetation to restore the water quality treatment performance of the pond.

**Storm Water Pond 52-001 - 2036**
Pond 52-001 is located west of Lee Avenue at 61st Avenue in the Arboretum. The pond receives runoff from approximately 18.6 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.

**Storm Water Pond 60-001 - 2036**
Pond 60-001 is located east of Xerxes Avenue and south of Brooklyn Drive. The pond receives runoff from approximately 85.7 acres of upstream residential runoff. This pond was constructed in 2002. The proposed work consists of the removal of sediment and vegetation to restore the water quality treatment performance of the pond.

**Storm Water Pond 63-006 - 2036**
Pond 63-006 is located south of James Circle. The pond receives runoff from approximately 10.5 acres of upstream residential runoff. This pond was constructed in 1989. The proposed work consists of the removal of sediment and vegetation to restore the water quality treatment performance of the pond.

**65th Avenue Trunk Storm Sewer Rehabilitation - 2024**
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.

**61st Avenue and Perry Avenue Storm Sewer Improvement - 2026**
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.

# Park and Trail Improvements

**Park Capital Planning Study - 2024**
The Park Capital Planning Study is needed to assess the current and future park and recreational needs in Brooklyn Center, evaluate options, develop a strategic action plan, and budget for long term park improvements.

**Hazardous Tree Management and Reforestation – 2024 through 2033**
The Emerald Ash Borer (EAB) is a non-native insect that was discovered in North America in 2002, and identified in Minnesota in 2009. The City has thousands of ash trees on public property. This project will help lessen the disruption to the urban forest caused by the infestation of EAB through the use of tree removal, and reforestation.

**Park Playground Equipment Replacement – 2021 through 2024**
Proposed replacement includes replacing park playground equipment over a four 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. 2021: Bellvue, Firehouse, Northport and Orchard Lane Parks. 2022: Centennial West, Happy Hallow, Kylawn, Marlin, Riverdale and West Palmer Parks. 2023: East Palmer, Grandview, Twin Lake, Wangstad, Lions Park and Willow Lane Parks. 2024: Freeway Park and Grandview Park.

**Basketball Courts Pavement Replacement – 2024**
Proposed rehabilitation includes repaving and replace standards at existing basketball courts.

**Dog Park Project - 2026**
Proposed dog park project in a Brooklyn Center city park.

**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.

**Soccer Project - 2027**
Develop a new soccer field in a Brooklyn Center city park. The project will require grant funding to complete.

**Park Name Sign Replacement - 2027**
This project includes the replacement of all 30 park name signs in all of the City Parks.

**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.

**Evergreen, Firehouse & Northport Park Security Improvements – 2027**
This project includes providing security improvements within Evergreen, Firehouse & Northport Parks. Improvements include security cameras connected to the City's security system and fiber optic network.

**Park Trail and Parking Lot Lighting Improvements - 2028**
Replace trail and parking lot lights with LED fixtures, fiberglass poles, and 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.

**Centennial Park Improvements – 2028**
The four existing tennis courts in Centennial Park west were removed in 2018. The Parks and Recreation Commission recommended replacing the two removed tennis courts with a basketball court as part of their 2015 CIP plan review. This project is currently on hold waiting results of future master planning for Centennial Park west and could include a dog park.

**Centennial Park Softball Field Improvements – 2028**
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 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/scorer's 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

**Cascade System Replacement (Fire) - 2024**
The Cascade System is used to manufacture and fill the breathing bottles used by the Fire Department. The current system is more than 20 years old and reaching the end of its life cycle.

**Community Center Phase 1 – 2028**
The City has secured $5 million in state bonding for a Community Center Renovation Project. City staff will be working throughout 2024 to secure additional funds for the project.

**Emergency Responder Radio Replacement (Police/Fire/PW) - 2028**
The emergency responder radios were all replaced in 2017 and new radios were purchased for Public Works in 2018. 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.

**TH 252/66th Avenue Interchange and 70th Avenue Pedestrian Overpass – 2029**
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.

**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.