

Capital Investment Program

2017 - 2021



September 2016

2017-2021 Capital Investment Program Table of Contents

Tables

| | |
|--|----|
| Summary of Expenditures by Program Category & Method of Financing..... | 1 |
| Fund Summaries | |
| • Capital Equipment | 2 |
| • Information Systems Internal Service Fund | 3 |
| • Building Capital Improvements | 4 |
| • Parks Capital Improvement | 5 |
| • Streets Improvement Fund | 6 |
| • Water Utility Fund | 7 |
| • Sewer Utility Fund | 8 |
| • Storm Water Utility Fund | 9 |
| • Liquor Fund..... | 10 |
| Supplemental: | |
| • Municipal Center Remodel (Information Only) | 11 |

Detail Project Pages

| | |
|----------------------------------|---------|
| Capital Equipment & Technology | |
| • Police | 12-15 |
| • Fire | 15-25 |
| • Public Works | 26-55 |
| • Technology | 56-66 |
| Building & Capital Improvements | |
| • Fire | 67-68 |
| • Municipal Buildings | 69-70 |
| • Parks | 71-76 |
| • Streets | 77-98 |
| Enterprise Funds | |
| • Water Utility Fund | 99-110 |
| • Sewer Utility Fund | 111-117 |
| • Storm Water Utility Fund | 118-128 |
| • Liquor Fund..... | 129-130 |

Added 2 projects to Storm Water section - approved 11/28/16

Table I

**Capital Investment Program
2017-2021
EXPENDITURES BY PROGRAM CATEGORY & METHOD OF FINANCING**

| | 2017 | 2018 | 2019 | 2020 | 2021 | TOTAL | Percent |
|--------------------------------------|----------------------|---------------------|---------------------|---------------------|---------------------|----------------------|---------------|
| Expenditures | | | | | | | |
| <u>Program Category</u> | | | | | | | |
| Major Equipment | \$ 705,800 | \$ 787,500 | \$ 858,640 | \$ 1,313,000 | \$ 346,000 | \$ 4,010,940 | 6.2% |
| Technology Improvements | 249,200 | 304,700 | 156,000 | 156,000 | 156,000 | 1,021,900 | 1.6% |
| Municipal Buildings | 48,782,000 | 5,000 | - | - | - | 48,787,000 | 75.7% |
| Parks Improvements | 249,000 | 164,000 | 214,000 | 197,000 | 197,000 | 1,021,000 | 1.6% |
| Street Improvements | 1,389,400 | 2,107,800 | 1,633,200 | 2,973,400 | 1,467,900 | 9,571,700 | 14.9% |
| Total Expenditures By Program | \$ 51,375,400 | \$ 3,369,000 | \$ 2,861,840 | \$ 4,639,400 | \$ 2,166,900 | \$ 64,412,540 | 100.0% |

Method of Financing

| | | | | | | | |
|----------------------------------|----------------------|---------------------|---------------------|---------------------|---------------------|----------------------|---------------|
| Property Taxes | \$ 50,000 | \$ 50,000 | \$ 75,000 | \$ 75,000 | \$ 75,000 | \$ 375,000 | 0.5% |
| Local Government Aid | 593,300 | 800,000 | 800,000 | 800,000 | 800,000 | 4,893,300 | 6.9% |
| Municipal State Aid | 686,800 | 686,800 | 686,800 | 686,800 | 892,840 | 4,326,840 | 6.1% |
| Federal Highway Aid | - | 500,000 | - | 1,500,000 | - | 2,150,000 | 3.0% |
| User Fees (External & Internal) | 40,700 | 40,700 | - | - | - | 2,692,259 | 3.8% |
| Park Dedication Fees | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 30,000 | 0.0% |
| Special Assessments | 560,000 | 580,000 | 580,000 | 580,000 | 580,000 | 3,480,000 | 4.9% |
| Interest on Investments | 39,100 | 37,800 | 34,500 | 31,000 | 29,000 | 215,400 | 0.3% |
| Auction Proceeds | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 180,000 | 0.3% |
| Capital Improvement Plan Bonds | 50,000,000 | - | - | - | - | 50,000,000 | 70.9% |
| Equipment Certificates | - | - | - | - | 500,000 | 500,000 | 0.7% |
| Transfers In (Liquor Proceeds) | 250,000 | 250,000 | 250,000 | 250,000 | 250,000 | 1,500,000 | 2.1% |
| Transfers In (Other Funds) | - | - | - | - | - | 200,000 | 0.3% |
| Total Method of Financing | \$ 52,254,900 | \$ 2,980,300 | \$ 2,461,300 | \$ 3,957,800 | \$ 3,161,840 | \$ 70,542,799 | 100.0% |

Expenditures - Enterprise

| | | | | | | | |
|--------------------------------------|---------------------|---------------------|---------------------|---------------------|-------------------|----------------------|---------------|
| <u>Program Category</u> | | | | | | | |
| Storm Drainage Improvements | 320,000 | 525,000 | 425,000 | 500,000 | 225,000 | 1,995,000 | 18.6% |
| Water System Improvements | 1,705,000 | 1,955,000 | 950,000 | 845,000 | 730,000 | 6,185,000 | 57.7% |
| Sewer System Imp | 615,000 | 385,000 | 565,000 | 665,000 | - | 2,230,000 | 20.8% |
| Municipal Liquor Stores | 125,000 | 100,000 | 44,000 | 44,000 | - | 313,000 | 2.9% |
| Total Expenditures By Program | \$ 2,765,000 | \$ 2,965,000 | \$ 1,984,000 | \$ 2,054,000 | \$ 955,000 | \$ 10,723,000 | 100.0% |

Method of Financing - Enterprise

| | | | | | | | |
|----------------------------------|---------------------|---------------------|---------------------|---------------------|-------------------|----------------------|---------------|
| Grants | 80,000 | 50,000 | 30,000 | 40,000 | - | 200,000 | 1.9% |
| Utility Improvement Bonds | - | 2,905,000 | - | - | - | 2,905,000 | 27.1% |
| User Fees (External & Internal) | 2,685,000 | 10,000 | 1,954,000 | 2,014,000 | 955,000 | 7,618,000 | 71.0% |
| Total Method of Financing | \$ 2,765,000 | \$ 2,965,000 | \$ 1,984,000 | \$ 2,054,000 | \$ 955,000 | \$ 10,723,000 | 100.0% |

Table II
CIP 2017-2021
CAPITAL EQUIPMENT FUND
Funding Sources and Expenditure Projections

| 410 | New (*) or Replacement (✓) | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|--|-------------------------------|---------------------|-------------------|-------------------|-------------------|---------------------|-------------------|
| Funding Sources | | | | | | | |
| Property Taxes | | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| Local Government Aid | | \$ 925,000 | \$ 368,300 | \$ 525,000 | \$ 525,000 | \$ 525,000 | \$ 525,000 |
| Equipment Certificate Proceeds | | - | - | - | - | 500,000 | |
| Liquor Store Proceeds (Transfer) | | 175,000 | 175,000 | 175,000 | 175,000 | 175,000 | 175,000 |
| Interest on Investments | | 7,500 | 7,500 | 7,500 | 7,500 | 7,500 | 7,500 |
| Auction Proceeds | | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 |
| Total Funding Sources | | \$ 1,137,500 | \$ 580,800 | \$ 737,500 | \$ 737,500 | \$ 1,237,500 | \$ 737,500 |
| Expenditures | | | | | | | |
| Police | | | | | | | |
| Police Squad / SUV / Pickup | ✓ | \$ 188,000 | \$ 188,000 | \$ 184,000 | \$ 223,640 | \$ 206,000 | \$ 212,000 |
| Non-lethal Force Equipment | ✓ | | 40,600 | | | | |
| Squad camera DVR replcmt | ✓ | | 42,000 | | | | |
| Outdoor Warning Sirens | ✓ | 47,500 | | | | | |
| 800 MHz Radio Replacement | ✓ | 78,700 | 78,700 | | | | |
| Fire | | | | | | | |
| Fire Engine | ✓ | | | | | 650,000 | |
| Rescue Truck(s) | ✓ | | 94,000 | 75,000 | | | |
| Aerial Ladder Paint/Rehab | ✓ | | | 80,000 | | | |
| Personal Protective Equipment | ✓ | | | 45,000 | 45,000 | | |
| Floor scrubber | ✓ | | | 12,000 | | | |
| 800 MHz Radio Replacement | ✓ | 61,500 | 61,500 | 61,500 | | | |
| SCBA Replacement | ✓ | | | | 250,000 | | |
| Digital fire attack simulator | | | 30,000 | | | | |
| Thermal Imagers | ✓ | | | | | | 90,000 |
| Public Works - Parks Division | | | | | | | |
| Mowers | ✓ | 10,000 | - | 26,000 | | 67,000 | |
| Pickup Trucks | ✓ | 30,000 | 30,000 | 53,000 | | 20,000 | |
| Dump Trucks with Plows | ✓ | | - | 39,000 | | | |
| Utility Vehicle for Plowing | ✓ | | 99,000 | | | | |
| Utility Vehicles and Equipment | ✓ | 14,000 | - | 63,000 | 150,000 | 10,000 | 44,000 |
| Public Works - Streets Division | | | | | | | |
| Pickup Trucks | ✓ | | 42,000 | | | | |
| Dump Trucks with Plows | ✓ | | | | 170,000 | 170,000 | |
| Heavy Equipment | ✓ | | | | | 130,000 | |
| Paving Equipment | ✓ | | | 3,000 | 20,000 | 60,000 | |
| Utility Vehicles and Equipment | ✓ | | - | 146,000 | | | |
| Total Expenditures | | \$ 429,700 | \$ 705,800 | \$ 787,500 | \$ 858,640 | \$ 1,313,000 | \$ 346,000 |
| Surplus (deficiency) of funding sources over (under) expenditures | | \$ 707,800 | \$ (125,000) | \$ (50,000) | \$ (121,140) | \$ (75,500) | \$ 391,500 |
| <i>Estimated Beginning Fund Balance</i> | | 418,873 | 802,536 | 677,536 | 627,536 | 506,396 | 430,896 |
| Projects Carried Forward from Prior Years | | (324,137) | | - | - | - | - |
| Estimated Ending Fund Balance | | \$ 802,536 | \$ 677,536 | \$ 627,536 | \$ 506,396 | \$ 430,896 | \$ 822,396 |

Table III
CIP 2017-2021
INFORMATION TECHNOLOGY PROJECTS FUND
Funding Sources and Expenditure Projections

| 409 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|--|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Funding Sources | | | | | | |
| Property Taxes | \$ 50,000 | \$ 50,000 | \$ 50,000 | \$ 75,000 | \$ 75,000 | \$ 75,000 |
| Local Government Aid | 150,000 | 86,000 | 150,000 | 150,000 | 150,000 | 150,000 |
| Charges for Services | 50,700 | 40,700 | 40,700 | | | |
| Interest on Investments | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 |
| Transfers In (approved 8/22/16) | 200,000 | - | - | - | - | - |
| Total Funding Sources | \$ 452,200 | \$ 178,200 | \$ 242,200 | \$ 226,500 | \$ 226,500 | \$ 226,500 |
| Expenditures | | | | | | |
| Technology Purchases/Upgrades | \$ 34,500 | \$ 146,000 | \$ 226,000 | \$ 156,000 | \$ 156,000 | \$ 156,000 |
| Computer & Printer Replacement | 115,000 | | | | | |
| Agenda Management | | | 9,000 | | | |
| Police VPN | | 5,000 | | | | |
| Mobile Permitworks | | 6,500 | | | | |
| Paperless Accounts Payable Pilot | | 10,000 | | | | |
| Citizen Request Tracking | | 1,000 | | | | |
| Mobile Device Management System | | | 8,000 | | | |
| 2-Factor Authentication (no project sheet) | 40,700 | 40,700 | 40,700 | | | |
| Mobile Assessing Technology | | | 2,000 | | | |
| Applicant Tracking System | | | 9,000 | | | |
| Image System Enhancements | 10,000 | 10,000 | 10,000 | | | |
| Accelerated Laserfiche Implementation | | 30,000 | | | | |
| Facilities Registration System | 15,000 | | | | | |
| Code Enforcement System | 40,600 | | | | | |
| Total Expenditures | \$ 255,800 | \$ 249,200 | \$ 304,700 | \$ 156,000 | \$ 156,000 | \$ 156,000 |
| Surplus (deficiency) of funding sources over (under) expenditures | \$ 196,400 | \$ (71,000) | \$ (62,500) | \$ 70,500 | \$ 70,500 | \$ 70,500 |
| Estimated Beginning Fund Balance | 203,590 | 399,990 | 328,990 | 266,490 | 336,990 | 407,490 |
| Projects Carried Forward from Prior Years | - | - | - | - | | |
| Estimated Ending Fund Balance | \$ 399,990 | \$ 328,990 | \$ 266,490 | \$ 336,990 | \$ 407,490 | \$ 477,990 |
| Carry Forward Projects | - | | | | | |
| | \$ - | | | | | |

The Information Systems Fund has traditionally only done a three-year plan due to the fast changing technology world. There will be projects in the out years, but they have yet to be determined.

Table IV
CIP 2017-2021
Building Capital Improvements
Funding Sources and Expenditure Projections

| 405 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|--|---------------------|----------------------|---------------------|---------------------|---------------------|---------------------|
| Funding Sources | | | | | | |
| Local Government Aid | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| Interest on Investments | | | | | | |
| Capital Improvement Plan Bonds* | | 50,000,000 | | | | |
| Transfer In (Council approved 8/22/16) | 500,000 | - | - | - | | |
| Total Funding Sources | \$ 500,000 | \$ 50,000,000 | \$ - | \$ - | \$ - | |
| Expenditures | | | | | | |
| Municipal Center | | | | | | |
| Civic Campus Architectural Design, Construction* | 1,250,000 | 48,750,000 | | | | |
| Storage, Cabinets, Fixtures | 6,000 | | | | | |
| Public Works | | | | | | |
| Community Center | | | | | | |
| Furniture & Fixtures | 5,000 | 5,000 | 5,000 | | | |
| Fire Stations | | | | | | |
| Fire Station 2 & 3 Building Repairs | | 27,000 | | | | |
| Floor Resurfacing - All Stations | 25,000 | | | | | |
| Total Expenditures | \$ 1,286,000 | \$ 48,782,000 | \$ 5,000 | \$ - | \$ - | \$ - |
| Surplus (deficiency) of funding sources over (under) expenditures | \$ (786,000) | \$ 1,218,000 | \$ (5,000) | \$ - | \$ - | \$ - |
| Estimated Beginning Fund Balance | 1,449,445 | 638,811 | 1,856,811 | 1,851,811 | 1,851,811 | 1,851,811 |
| Projects Carried Forward from Prior Years | (24,634) | | | | | |
| Estimated Ending Fund Balance | \$ 638,811 | \$ 1,856,811 | \$ 1,851,811 | \$ 1,851,811 | \$ 1,851,811 | \$ 1,851,811 |
| Carry Forward Projects | | | | | | |
| Community Center Furniture & Fixtures | 4,634 | | | | | |
| Fire Station 2 Site Upgrades | 20,000 | | | | | |
| | <u>\$ 24,634</u> | | | | | |

* - These items represent new civic complex

Table V
CIP 2017-2021
PARKS CAPITAL IMPROVEMENT
Funding Sources and Expenditure Projections

| 407 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|--|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Funding Sources | | | | | | |
| Local Government Aid | \$ 25,000 | \$ 139,000 | \$ 125,000 | \$ 125,000 | \$ 125,000 | \$ 125,000 |
| Park Dedication Fees | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 |
| Liquor Store Proceeds (Transfer) | 75,000 | 75,000 | 75,000 | 75,000 | 75,000 | 75,000 |
| Interest on Investments | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 |
| State Bond Funds | 2,000,000 | - | - | - | - | - |
| Total Funding Sources | \$ 2,120,000 | \$ 234,000 | \$ 220,000 | \$ 220,000 | \$ 220,000 | \$ 220,000 |
| Expenditures | | | | | | |
| Court Surfacing/Overlays | \$ 30,000 | \$ 32,000 | \$ 32,000 | \$ 32,000 | \$ 35,000 | \$ 35,000 |
| Park Furnishings | 10,000 | 12,000 | 12,000 | 12,000 | 12,000 | 12,000 |
| Parking Lot Replacement | 125,000 | 90,000 | - | 50,000 | - | - |
| Commons Park Irrigation System | - | - | - | - | - | - |
| SNC Boardwalk Replacement | 25,000 | 5,000 | 5,000 | 5,000 | - | - |
| Security Cameras in Parks | 30,000 | 30,000 | - | - | - | - |
| Playground Equipment Replacement | 30,000 | 80,000 | 115,000 | 115,000 | 150,000 | 150,000 |
| SPRING Project/Springbrook Nature Center | 2,000,000 | - | - | - | - | - |
| Total Expenditures | \$ 2,250,000 | \$ 249,000 | \$ 164,000 | \$ 214,000 | \$ 197,000 | \$ 197,000 |
| Surplus (deficiency) of funding sources over (under) expenditures | \$ (130,000) | \$ (15,000) | \$ 56,000 | \$ 6,000 | \$ 23,000 | \$ 23,000 |
| <i>Estimated Beginning Fund Balance</i> | <i>1,680,960</i> | <i>1,387,260</i> | <i>1,372,260</i> | <i>1,428,260</i> | <i>1,434,260</i> | <i>1,457,260</i> |
| Projects Carried Forward from Prior Years | (163,700) | - | - | - | - | - |
| Estimated Ending Fund Balance | \$ 1,387,260 | \$ 1,372,260 | \$ 1,428,260 | \$ 1,434,260 | \$ 1,457,260 | \$ 1,480,260 |
| Carry Forward Projects | | | | | | |
| SNC Boardwalk Replacement | 1,384 | | | | | |
| Security Cameras in Parks | 50,000 | | | | | |
| Court Surfacing/Overlays | 64,880 | | | | | |
| Park Furnishings | 17,436 | | | | | |
| Playground Equipment | 30,000 | | | | | |
| | <u>\$ 163,700</u> | | | | | |

Table VI
CIP 2017-2021
STREET IMPROVEMENT FUND
Funding Sources and Expenditure Projections

| 406 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|--|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Funding Sources | | | | | | |
| Municipal State Aid - State Aid Routes | \$ 317,400 | \$ 317,400 | \$ 317,400 | \$ 317,400 | \$ 317,400 | \$ 412,620 |
| Municipal State Aid - Local Routes | 369,400 | 369,400 | 369,400 | 369,400 | 369,400 | 480,220 |
| Federal Highway Funds | 150,000 | - | 500,000 | - | 1,500,000 | - |
| Special Assessments | 600,000 | 560,000 | 580,000 | 580,000 | 580,000 | 580,000 |
| Interest on Investments | 20,000 | 15,100 | 13,800 | 10,500 | 7,000 | 5,000 |
| Total Funding Sources | \$ 1,456,800 | \$ 1,261,900 | \$ 1,780,600 | \$ 1,277,300 | \$ 2,773,800 | \$ 1,477,840 |
| Expenditures | | | | | | |
| Street Rehabilitation Program | \$ 800,000 | \$ 770,000 | \$ 850,000 | \$ 910,000 | \$ 750,000 | \$ 930,000 |
| Street Sealing Program (Chip Sealing) | 235,000 | 235,000 | 250,000 | 265,000 | 275,000 | 275,000 |
| Street Sealing Program (Crack Sealing) | 35,000 | 35,000 | 35,000 | 35,000 | 38,000 | 42,500 |
| Trail/Walk Upgrades | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 |
| West Moore Lake Ped & Bike Improvements | - | - | 560,000 | - | - | - |
| Street Lighting Upgrade/Retrofit | 90,000 | 90,000 | - | - | - | - |
| Traffic Signal Maintenance/Retrofit | 20,000 | 20,000 | 180,000 | 180,000 | 20,000 | 20,000 |
| Capital Signage Replacements | - | 15,000 | 15,000 | 15,000 | - | - |
| Traffic Safety Improvement Projects | 30,000 | 30,000 | 30,000 | 30,000 | 1,720,000 | 30,000 |
| Main Street Pedestrian Bridge Project | 150,000 | - | - | - | - | - |
| Transfer to the General Fund (Staff Allocation) | 94,400 | 94,400 | 87,800 | 98,200 | 70,400 | 70,400 |
| Total Expenditures | \$ 1,554,400 | \$ 1,389,400 | \$ 2,107,800 | \$ 1,633,200 | \$ 2,973,400 | \$ 1,467,900 |
| Surplus (deficiency) of funding sources over (under) expenditures | \$ (97,600) | \$ (127,500) | \$ (327,200) | \$ (355,900) | \$ (199,600) | \$ 9,940 |
| <i>Estimated Beginning Fund Balance</i> | <i>2,537,188</i> | <i>1,505,831</i> | <i>1,378,331</i> | <i>1,051,131</i> | <i>695,231</i> | <i>495,631</i> |
| Projects Carried Forward from Prior Years | (933,757) | | | | | |
| Estimated Ending Fund Balance | \$ 1,505,831 | \$ 1,378,331 | \$ 1,051,131 | \$ 695,231 | \$ 495,631 | \$ 505,571 |
| Carry Forward Projects | | | | | | |
| Street Rehab (2015) | 500,661 | | | | | |
| Street Lighting Upgrade/Retrofit | 20,000 | | | | | |
| Traffic Safety Improvement Projects | 15,000 | | | | | |
| Capital Signage Replacements | 15,000 | | | | | |
| Trail/Walk Upgrades | 294,203 | | | | | |
| Traffic Signal Maintenance/Retrofit | 70,000 | | | | | |
| 69th Avenue Railroad Crossing | 245,500 | | | | | |
| Federal Highway Funds | (1,120,000) | | | | | |
| Main Street Pedestrian Bridge Project | 1,444,054 | | | | | |
| | <u>933,757</u> | | | | | |

Table VII
CIP 2017-2021
WATER UTILITY FUND
Funding Sources and Expenditure Projections

| | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|--|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Funding Sources | | | | | | |
| Water Sales | \$ 3,288,400 | \$ 3,635,400 | \$ 3,962,586 | \$ 4,165,382 | \$ 4,401,755 | \$ 4,610,576 |
| Interest on Investments | 32,400 | 20,300 | 13,637 | 22,209 | 20,888 | 23,579 |
| Bond Proceeds | 4,315,000 | - | 2,905,000 | - | - | - |
| Antenna Lease Fees | | | | | | |
| Miscellaneous Income | | | | | | |
| Total Funding Sources | \$ 7,635,800 | \$ 3,655,700 | \$ 6,881,223 | \$ 4,187,591 | \$ 4,422,643 | \$ 4,634,155 |
| Expenditures | | | | | | |
| Non-Capital Expenditures | | | | | | |
| Operating Expenses (Less Depreciation) | \$ 1,777,447 | \$ 1,905,267 | \$ 2,174,362 | \$ 2,217,849 | \$ 2,284,384 | \$ 2,352,915 |
| Debt Service | 714,699 | 1,121,675 | 1,017,151 | 1,284,026 | 1,049,900 | 1,054,975 |
| Subtotal Non-capital Expenditures | \$ 2,492,146 | \$ 3,026,942 | \$ 3,191,513 | \$ 3,501,875 | \$ 3,334,284 | \$ 3,407,890 |
| Capital Expenditures | | | | | | |
| Fleet Vehicles | - | 35,000 | 60,000 | - | 40,000 | |
| Distribution System Reconstruction* | \$ 500,000 | \$ 500,000 | \$ 300,000 | \$ 400,000 | \$ 500,000 | \$ 500,000 |
| Hydrant Repairs | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| Well Updates* | 180,000 | 40,000 | 190,000 | - | 200,000 | 160,000 |
| Water Meter Replacement - AMR System* | 600,000 | 720,000 | 10,000 | 10,000 | 10,000 | 10,000 |
| Well House Building Repairs | 40,000 | 20,000 | 40,000 | 20,000 | 40,000 | 40,000 |
| Distribution System Interconnection* | - | - | - | 500,000 | - | |
| Variable Frequency Drives | 35,000 | - | 35,000 | - | 35,000 | |
| Chem Feed & Storage Sys Upgrade at Commons* | 165,000 | - | - | - | - | |
| Treatment Plant Retrofits* | - | 370,000 | 500,000 | - | - | |
| Transmission System Reconstruction* | - | - | 800,000 | - | - | |
| Well 13 Analysis & Availability | 20,000 | - | - | - | - | |
| Subtotal Capital Expenditures | \$ 1,560,000 | \$ 1,705,000 | \$ 1,955,000 | \$ 950,000 | \$ 845,000 | \$ 730,000 |
| Total Expenditures | \$ 4,052,146 | \$ 4,731,942 | \$ 5,146,513 | \$ 4,451,875 | \$ 4,179,284 | \$ 4,137,890 |
| Surplus (deficiency) of funding sources over (under) expenditures | \$ 3,583,654 | \$ (1,076,242) | \$ 1,734,710 | \$ (264,284) | \$ 243,359 | \$ 496,265 |
| Estimated Beginning Cash Reserve | 1,720,005 | 3,803,659 | 2,727,417 | 4,462,127 | 4,197,843 | 4,197,843 |
| Projects Carried Forward from Prior Years | (1,500,000) | | | | | |
| Estimated Ending Cash Reserve | \$ 3,803,659 | \$ 2,727,417 | \$ 4,462,127 | \$ 4,197,843 | \$ 4,441,202 | \$ 4,694,108 |
| Carry Forward Projects | | | | | | |
| Locke Park Plant Filters Media Replacement* | 275,000 | | | | | |
| Locke Park Backwashing & Control System Update* | 1,225,000 | | | | | |
| | \$ 1,500,000 | | | | | |

* - These projects are funded with bond proceeds

Table VIII
CIP 2017-2021
SEWER UTILITY FUND
Funding Sources and Expenditure Projections

| | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|--|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Funding Sources | | | | | | |
| Sewer Services | \$ 4,928,095 | \$ 5,263,212 | \$ 5,631,637 | \$ 5,913,219 | \$ 6,208,880 | \$ 6,519,324 |
| Interest on Investments | 8,424 | 14,797 | 30,000 | 30,000 | 30,000 | 30,000 |
| Total Funding Sources | \$ 4,936,519 | \$ 5,278,009 | \$ 5,661,637 | \$ 5,943,219 | \$ 6,238,880 | \$ 6,549,324 |
| Expenditures | | | | | | |
| <u>Non-Capital Expenditures</u> | | | | | | |
| Operating Expenses (Less Depreciation) | \$ 681,275 | \$ 694,901 | \$ 708,828 | \$ 723,005 | \$ 737,465 | \$ 752,214 |
| Sewer Service Charge | 3,938,328 | 4,131,026 | 4,337,577 | 4,467,705 | 4,601,736 | 4,739,788 |
| Debt Service | 42,500 | 41,600 | 45,625 | 44,575 | 46,500 | 45,500 |
| Transfers | - | - | - | - | - | - |
| MCES Refund | - | - | - | - | - | - |
| Capital Outlay-Other | - | - | - | - | - | - |
| Subtotal Non-capital Expenditures | \$ 4,662,103 | \$ 4,867,527 | \$ 5,092,030 | \$ 5,235,284 | \$ 5,385,700 | \$ 5,537,502 |
| <u>Capital Expenditures</u> | | | | | | |
| Fleet Vehicles | - | 55,000 | - | - | 35,000 | - |
| Sanitary Sewer Collection System Recon | \$ 80,000 | \$ 40,000 | \$ 85,000 | \$ 45,000 | \$ 50,000 | \$ 50,000 |
| Sanitary Sewer Collection System Lining | - | 520,000 | - | 520,000 | - | \$ 520,000 |
| Sanitary Sewer Force Main Recon | - | - | 90,000 | - | - | \$ 95,000 |
| Lift Station Rehabilitation | 20,000 | - | 210,000 | - | - | - |
| Subtotal Capital Expenditures | \$ 100,000 | \$ 615,000 | \$ 385,000 | \$ 565,000 | \$ 85,000 | \$ 665,000 |
| Total Expenditures | \$ 4,762,103 | \$ 5,482,527 | \$ 5,477,030 | \$ 5,800,284 | \$ 5,470,700 | \$ 6,202,502 |
| Surplus (deficiency) of funding sources over (under) expenditures | \$ 174,416 | \$ (204,518) | \$ 184,607 | \$ 142,935 | \$ 768,179 | \$ 346,822 |
| Estimated Beginning Cash Reserve | 1,284,026 | 1,083,442 | 878,924 | 1,063,531 | 1,063,531 | 1,206,465 |
| Projects Carried Forward from Prior Years | (375,000) | | | | | |
| Estimated Ending Cash Reserve | \$ 1,083,442 | \$ 878,924 | \$ 1,063,531 | \$ 1,206,465 | \$ 1,831,710 | \$ 1,553,287 |

Table VIII
CIP 2017-2021
STORM WATER FUND
Funding Sources and Expenditure Projections

| | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|---|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Funding Sources | | | | | | |
| Storm Water Utility Fees | \$ 1,226,880 | \$ 1,248,000 | \$ 1,272,960 | \$ 1,298,419 | \$ 1,324,388 | \$ 1,364,119 |
| Grants and Other Revenue | 70,000 | 80,000 | 50,000 | 30,000 | 40,000 | - |
| Interest on Investments | 12,000 | 12,000 | 12,000 | 12,000 | 12,000 | 12,000 |
| Total Funding Sources | \$ 1,308,880 | \$ 1,340,000 | \$ 1,334,960 | \$ 1,340,419 | \$ 1,376,388 | \$ 1,376,119 |
| Expenditures | | | | | | |
| Operating Expenses (less depreciation) | \$ 557,534 | \$ 540,820 | \$ 551,700 | \$ 562,734 | \$ 573,989 | \$ 585,468 |
| Debt Service | 34,400 | 33,663 | 32,912 | 32,163 | 31,413 | 35,588 |
| Subtotal Operating Expenditures | \$ 591,934 | \$ 574,483 | \$ 584,612 | \$ 594,897 | \$ 605,402 | \$ 621,056 |
| Capital Expenditures | | | | | | |
| Water Quality Testing | \$ 10,000 | \$ - | \$ - | \$ 5,000 | \$ 5,000 | \$ 10,000 |
| Pond Maintenance | 25,000 | 25,000 | 25,000 | 25,000 | 30,000 | 30,000 |
| Storm Sewer Replacement/Reconstr/Lining | 60,000 | 60,000 | 60,000 | 65,000 | 65,000 | 65,000 |
| Storm Sewer System Upgrades | 60,000 | 60,000 | 60,000 | 100,000 | 100,000 | 100,000 |
| Watershed BMP Implementation | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| Watershed District Water Quality Projects | 70,000 | 50,000 | 100,000 | 60,000 | 80,000 | - |
| Sediment Removal Projects | 90,000 | - | - | - | 100,000 | - |
| Moore Lake Subwatershed Flood Control Upgrade | - | 55,000 | - | - | - | - |
| TMDL Water Quality Projects | 220,000 | 50,000 | 50,000 | 150,000 | 100,000 | - |
| Locke Lake Dam Upgrades | - | - | 35,000 | - | - | - |
| Riverview Heights Flood Control Upgrades | - | - | 175,000 | - | - | - |
| Capital Equipment | 190,000 | - | - | - | - | - |
| Subtotal Capital Expenditures | \$ 745,000 | \$ 320,000 | \$ 525,000 | \$ 425,000 | \$ 500,000 | \$ 225,000 |
| Total Expenditures | \$ 1,336,934 | \$ 894,483 | \$ 1,109,612 | \$ 1,019,897 | \$ 1,105,402 | \$ 846,056 |
| Surplus (deficiency) of funding sources over (under) expenditures | \$ (28,054) | \$ 445,517 | \$ 225,348 | \$ 320,522 | \$ 270,986 | \$ 530,063 |
| Estimated Beginning Cash Reserve | 1,963,161 | 1,665,107 | 2,110,624 | 2,335,972 | 2,656,494 | 2,927,480 |
| Projects Carried Forward from Prior Years | (270,000) | | | | | |
| Estimated Ending Cash Reserve | \$ 1,665,107 | \$ 2,110,624 | \$ 2,335,972 | \$ 2,656,494 | \$ 2,927,480 | \$ 3,457,543 |
| Cash Reserve Target - 5% accumulated depreciation & 3 mos. WC Percent target achieved | | | | | | |
| Carry Forward Projects | | | | | | |
| Watershed District Water Quality Projects | 70,000 | | | | | |
| Locke Lake Dam Upgrades | 20,000 | | | | | |
| TMDL Water Quality Projects | 180,000 | | | | | |
| | \$ 270,000 | | | | | |

Table X
CIP 2017-2021
LIQUOR FUND
Funding Sources and Expenditure Projections

| | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | Unfunded |
|--|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|-------------------|
| Funding Sources | | | | | | | |
| Liquor Sales (3% Growth) | \$ 5,696,900 | \$ 5,981,700 | \$ 6,280,800 | \$ 6,594,800 | \$ 6,924,500 | \$ 7,270,700 | |
| Interest on Investments | - | - | - | - | - | - | |
| Miscellaneous Income | - | - | - | - | - | - | |
| Capital Notes | 200,000 | | | | | | |
| Total Funding Sources | \$ 5,896,900 | \$ 5,981,700 | \$ 6,280,800 | \$ 6,594,800 | \$ 6,924,500 | \$ 7,270,700 | |
| Expenditures | | | | | | | |
| <u>Non-Capital Expenditures</u> | | | | | | | |
| Cost of Sales (24% Gross Profit Target) | \$ 4,278,900 | \$ 4,546,100 | \$ 4,773,400 | \$ 5,012,000 | \$ 5,262,600 | \$ 5,525,700 | |
| Operating Expenses (Less Depreciation) | 1,197,600 | 1,221,600 | 1,246,000 | 1,270,900 | 1,296,300 | 1,322,200 | |
| Transfers | 250,000 | 250,000 | 250,000 | 250,000 | 250,000 | 250,000 | |
| Capital Outlay-Other | | | | | | | |
| Subtotal Non-capital Expenditures | \$ 5,726,500 | \$ 6,017,700 | \$ 6,269,400 | \$ 6,532,900 | \$ 6,808,900 | \$ 7,097,900 | |
| <u>Capital Expenditures</u> | | | | | | | |
| Breakroom Addition to Fridley Market | \$ - | \$ 25,000 | \$ - | \$ - | \$ - | \$ - | |
| Highway 65 Store Remodel/Feasibility | 155,859 | 100,000 | 100,000 | 44,000 | - | - | |
| 3rd Store Location | - | - | - | - | - | - | 900,000 |
| Subtotal Capital Expenditures | \$ 155,859 | \$ 125,000 | \$ 100,000 | \$ 44,000 | \$ - | \$ - | \$ 900,000 |
| Total Expenditures | \$ 5,882,359 | \$ 6,142,700 | \$ 6,369,400 | \$ 6,576,900 | \$ 6,808,900 | \$ 7,097,900 | |
| Surplus (deficiency) of funding sources over (under) expenditures | \$ 14,541 | \$ (161,000) | \$ (88,600) | \$ 17,900 | \$ 115,600 | \$ 172,800 | |
| Estimated Beginning Cash Reserve | 137,754 | 152,295 | (8,705) | (97,305) | (79,405) | 36,195 | |
| Projects Carried Forward from Prior Years | - | - | - | - | - | - | - |
| Estimated Ending Cash Reserve | \$ 152,295 | \$ (8,705) | \$ (97,305) | \$ (79,405) | \$ 36,195 | \$ 208,995 | |

Table XI
CIP 2017-2021
Municipal Center Remodel (Information Only)
Funding Sources and Expenditure Projections

| | <u>2017</u> | <u>2018</u> | <u>2019</u> | <u>2020</u> | <u>2021</u> |
|---|-------------------|----------------------|--------------------|--------------------|--------------------|
| Funding Sources | | | | | |
| Capital Improvement Bonds* | - | 30,703,000 | - | - | |
| Total Funding Sources | \$ - | \$ 30,703,000 | \$ - | \$ - | |
| Expenditures | | | | | |
| Municipal Center (Fund 405) | | | | | |
| Municipal Center Storage, Cabinets and Fixtures | \$ 6,000 | \$ 7,000 | | | |
| Municipal Center HVAC Retrofit* | - | 176,000 | - | - | - |
| Municipal Center Electrical/Mechanical Repair* | - | 2,711,000 | - | - | - |
| Municipal Center Exterior Repairs* | - | 270,000 | - | - | - |
| Gun Range Backstop Retrofit* | - | 130,000 | - | - | - |
| Municipal Center Lower Level Remodel* | - | 647,000 | - | - | - |
| Workstation Replacements/Repairs* | - | 90,000 | - | - | - |
| Municipal Center Campus Renovation* | - | 17,470,000 | - | - | - |
| Public Works (Fund 405) | | | | | |
| Public Works Storage Yard & Drainage Retrofits* | - | 115,000 | - | - | - |
| Public Works Campus Renovation (phases 1-2)* | - | 8,643,000 | - | - | - |
| Fire (Fund 405) | | | | | |
| Fire Station 1 Kitchen Improvements* | - | 17,000 | - | - | - |
| Technology (Fund 409) | | | | | |
| Core Switching Replacement* | - | 141,000 | - | - | - |
| Phone System Replacement* | - | 169,000 | - | - | - |
| EOC Smartboard* | - | 34,000 | - | - | - |
| Remodeling IT Costs* | - | 90,000 | - | - | - |
| Total Expenditures | \$ 6,000 | \$ 30,710,000 | \$ - | \$ - | \$ - |
| Estimated Ending Fund Balance | \$ (6,000) | \$ (13,000) | \$ (13,000) | \$ (13,000) | \$ (13,000) |

Informational
Only

* - These items represent needs in current facility in the event a new campus is not constructed in 2017.

Note: Construction increase cost projection incorporated for deferred items.

Project Category: Police ERP

Project Title: Police Squad Car Replacement

Total Estimated Cost: \$ 188,000 (2017)

Funding Priority: 1

2016 Account Number: 410-2110-703100

Project Code: 410.16.21

Description:
 This item provides for the replacement of a portion of the Police Department squad car fleet.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------------|------------|------------|------------|------------|
| Capital Equipment Funding | \$ 188,000 | \$ 184,000 | \$ 223,640 | \$ 206,000 | \$ 212,000 |

Justification:

Consistent with previous years, four vehicles out of the Police Department fleet of 30 vehicles will be replaced.

For 2017:
 Replace unit 377 (2011 Chevrolet Tahoe) with a Chevrolet Tahoe at a cost of \$56,000. This unit is used as a K9 vehicle and is equipped for that purpose. Unit 377 will be sold at auction.

Replace unit 399 (2014 Ford Interceptor Utility) with a Ford Interceptor Utility at a cost of \$51,000. This unit is used in primary patrol service. Unit 399 will be rotated to secondary service replacing unit 330 (2010 Ford Crown Victoria) currently used as a SRO vehicle. Unit 330 will be sold at auction.

Replace unit 398 (2014 Ford Interceptor Utility) with a Ford Interceptor Utility at a cost of \$48,000. This unit is used in primary patrol service. Unit 398 will be rotated to secondary service as an addition for the us by the newly formed 3rd Police Lieutenant Position.

Replace unit 390 (2003 Toyota Highlander) with Chevrolet Malibu at a cost of \$29,000. This unit is use in the secondary fleet as a detective's unmarked vehicle. Unit 390 will be rotated to secondary service replacing unit 347 (2003 Chevrolet Trail Blazer) currently used as a SPU vehicle. Unit 347 will be sold at auction.

Replacements are made on a regular, systematic rotation based on mileage, maintenance and safety

concerns in close consultation with the City Mechanic. Replacements are typically made of primary patrol service vehicles which are then transitioned to secondary service within the fleet.

The individual vehicle replacement costs indicated above includes all associated equipment and setup, as well as the cost of replacing the 800 MHz squad mobile radios (\$19,000) that was not made a part of the 800 MHz Radio Replacement CIP. The replacement cots also include \$9,000 for replacement radar units, which occur only every 8-10 years and adding replacement laptop computers back into this fund versus the MIS fund where they were previously purchased.

- The Police Department fleet consists of:
- 12 marked squad cars assigned to primary patrol service;
 - 7 marked squad cars assigned to secondary service for SRO, CSO, and Reserve Unit activities
 - 10 unmarked cars assigned to secondary service for Investigation, Pawn, Special Projects, and command staff activities
 - 1 All Terrain Vehicle
- 30 total vehicles in service

Relationship to General Plan and Other Projects:

This equipment replacement will allow the Police Department to effectively patrol and respond to incidents and emergencies consistent with their public safety responsibilities.

Project Category: Police ERP
Project Title: Non-Lethal Force Options
Total Estimated Cost: \$ 40,600
Funding Priority: 1
Account Number: 410-2110-XXXXXX
Project Number:
Reimbursements: None
Design and Inspection: N/A
Payroll Logged to Project: N/A

Description:
 This item provides for the replacement of Tasers and supply non-lethal bean bag rounds for all marked police vehicles.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|-----------|------|------|------|------|
| Capital Equipment Funding | \$ 40,600 | \$ 0 | \$ 0 | \$ 0 | \$ 0 |

Justification:

Tasers are a valuable tool utilized to keep our officers and citizens safe. It is imperative that each officer have a Taser that is dependable and effective. The Police Department began using Tasers in 2007. The Taser has proven to be an effective tool for reducing injuries to officers and suspects by eliminating the frequency officers engage in hard-hand use of force techniques. The current Tasers are 10 years old and have been increasingly subject to malfunctions and repair costs. The “general useful life” of a Taser is 5 years according to the manufacture. This project will replace 32 Tasers with the new X26P model including the power module. The project would also replace Taser holsters for all patrol officers and sergeants. The cost for the Tasers and accessories is \$1,050 per Taser. The cost for this project is estimated at \$33,600.

Officers are under increased public scrutiny over the use of deadly force. The public and officers want to consider and utilize all other options before engaging in the use of deadly force. The police department would like to provide another option for officers to use before the use of deadly force is necessary. Bean bag rounds have been researched and used by many police departments across the county. They have proven to be an effective non-lethal option to potential deadly force situations. Bean bag rounds are propelled by the use of a standard shotgun. The police department would like to purchase shotguns and beanbag rounds to equip 10 of our patrol vehicles with an added non-lethal force option. The cost for a shotgun, locking mechanism and bean bag rounds is about \$700 per vehicle. The total cost of this project is estimated to be \$7,000.

Scheduling and Project Status:

New Tasers and non-lethal bean bag rounds will be purchased and distributed to officers in 2017.

Relationship to General Plan and Other Projects:

This equipment will allow the police department to effectively patrol and respond to incidents and emergencies consistent with their public safety responsibilities.

Effect on Annual Operations Costs:

This is a one-time cost.

Project Category: Police ERP

Project Title: Squad Camera DVR Replacement

Total Estimated Cost: \$ 42,000

Funding Priority: 2

Account Number: 410-2110-XXXXXX

Project Number:

Reimbursements: None

Design and Inspection: N/A

Payroll Logged to Project: N/A

Description:

This item provides for the replacement of DVR recording devices in marked police vehicles.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|-----------|------|------|------|------|
| Capital Equipment Funding | \$ 42,000 | \$ 0 | \$ 0 | \$ 0 | \$ 0 |

Justification:

The community is increasingly demanding transparency in police operations and interactions with the public. To assist in that demand, the police department currently has squad cameras in every marked police vehicle to capture daily interactions with the public.

The current L-3 Communications systems were purchased with a federal grant by the police department in 2009. The system has functioned well, but we are starting to see equipment failures on some of the DVR units, which are the heart of the system. Several times in the past years, squad camera DVR's were not working properly and as a result critical evidence was not captured by the squad camera system. The current DVR's are at the beyond the manufacture life expectancy.

Replacing the DVR unit in each car will ensure that each squad car has a fully operational DVR system that will assuredly record police interaction with the public. The new DVR units are compatible with our current cameras, software and microphones.

The price of each unit is \$3,000 and we have a total of 14 units that need to be replaced.

Scheduling and Project Status:

New DVR systems will be purchased and replaced in all marked police vehicles in 2017.

Relationship to General Plan and Other Projects:

This equipment replacement will allow the police department to be transparent in their daily activities and respond to incidents and emergencies consistent with their public safety responsibilities.

Effect on Annual Operations Costs:

This is a one-time cost.

Project Category: Police & Fire ERP

Project Title: 800 MHz Radio Replacement

Total Estimated Cost: \$ 424,017

Funding Priority: 1

Account Number: (Police) 410-2110-703100
(Fire) 410-2510-703100

2017 Project Code: (Police) 410.17.21
(Fire) 410.17.25

2018 Project Code: (Fire) 410.18.25

Description:
This item provides for the replacement of 800 MHz two-way radios for the Police and Fire Departments.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|-------------------|------------------|------|------|------|
| Capital Equipment Funding | | | | | |
| Police | \$ 78,700 | \$ 0 | | | |
| Fire | \$ 61,500 | \$ 61,500 | | | |
| Total | \$ 140,200 | \$ 61,500 | | | |

Justification:

Police Officers and Firefighters use two-way radios to conduct business and serve the public. This includes routine day-to-day activities such as traffic stops, investigations, inspections and general administrative duties as well as emergency activities involving response to crimes-in-progress, medicals, fires, and other disasters or incidents.

Radio systems are a critical component in the communication and coordination of resources. The events of September 11, 2001 exposed and reinforced the urgent need for public safety agencies to adopt modern interoperable communication systems.

In 2004 public safety agencies in Anoka County joined the Allied Radio Matrix for Emergency Response (ARMER) 800 MHz radio system, a communications network developed by the State of Minnesota. The portable and mobile 800 MHz radios obtained during implementation of that system have now reached their end of life. The current radios are no longer available for purchase and will no longer be serviceable by 2018.

Anoka County Central Communications Radio Service has advised agencies to create a plan for purchasing new radios to ensure they do not experience any communication failures because of aged equipment.

Relationship to General Plan and Other Projects:

This equipment replacement will allow the Police and Fire Departments to effectively communicate and coordinate resources consistent with their public safety responsibilities.

Project Category: Fire ERP
Project Title: Rescue Truck Replacement
Total Estimated Cost: \$50,000
Funding Priority: 1
Account Number: 410-2510-703100
2017 Project Code: 410.17.25

Description:

This item provides for the scheduled replacement of a Fire Department Rescue truck.



| Source of Project Funding | 2017 | 2018 | 2019 | 2021 | 2021 |
|---------------------------|----------|------|------|------|------|
| Capital Equipment Funding | \$50,000 | | | | |

| | |
|---|---|
| <p>Justification:</p> <p>Rescue 1 is the primary rescue truck out of Station 1 and was purchased at cost of over \$98,000 in 2008. The truck is used daily for routine transportation of the duty crew, inspections and response to calls for service including medical calls. The vehicle has high mileage in a city environment and many hours of idle time. The original concept of a larger truck that can carry lots of equipment for both fire and rescue response has proven to be less desirable.</p> <p>This vehicle will be replaced with a Chevrolet Tahoe or similar SUV that has the ability to keep equipment warm or cool, depending on the season, and will be easier to maneuver and use less fuel than the current Ford F450 chassis. The current truck also retains some value in 2017 if it were to be sold.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>Replacement is consistent with the Fire Department's vehicle replacement schedule.</p> <p>Effect on Annual Operations Costs:</p> <p>It is anticipated that the smaller vehicle will be more fuel efficient and the vehicle is anticipated to have a 5 year service life.</p> |
|---|---|

Project Category: Fire ERP
Project Title: Replacement Fire Vehicle
Total Estimated Cost: \$44,000
Funding Priority: 1
Account Number: 410-2510-703100
2017 Project Code: 410.17.25

Description:
 This item provides for the scheduled replacement of a Fire Department Fire Chief's Vehicle.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|----------|------|------|------|------|
| Capital Equipment Funding | \$44,000 | | | | |

| | |
|--|---|
| <p>Justification:</p> <p>This purchase was originally in the replacement schedule for 2014 to replace a 2009 Chevrolet Impala. It was deferred to 2017 because the Impala has low miles and is in good condition.</p> <p>The Fire Department is requesting that the sedan style vehicle be replaced with a Ford utility crossover vehicle consistent with the police patrol vehicles. Unlike the Impala, which has a trunk, the crossover would have cabin space for consistent heating and cooling of equipment, a larger cabin for work space, and room for storage of contaminated clothing outside of the passenger seating area.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>Replacement is consistent with the Fire Department's vehicle replacement schedule.</p> <p>By using a vehicle similar to police the mechanics have knowledge of similar vehicles, emergency warning devices and access to parts.</p> <p>Effect on Annual Operations Costs:</p> <p>The equipment will not change operation cost and the equipment is anticipated to have an 8 year service life.</p> |
|--|---|

Project Category: Fire ERP
Project Title: Digital Fire Attack Simulator
Total Estimated Cost: \$30,000
Funding Priority: 1
Account Number:
2017 Project Code:

Description:
 This is a new item that provides enhanced Firefighter training in an environment that does not rely on the availability of acquired structures.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|----------|------|------|------|------|
| Capital Equipment Funding | \$30,000 | | | | |

| | |
|---|---|
| <p>Justification:</p> <p>Firefighters have limited opportunity to practice firefighting skills in a live fire environment. This coupled with a reduced number of actual structure fires has created a situation where firefighters do not have the experience to make good decisions and there is greater potential for injury or death.</p> <p>Environmental regulations and the lack of availability for training in acquired structures has moved training into controlled environments.</p> <p>Other facilities that provide live fire training are cost prohibitive, often not available or are too far out of the jurisdiction to make it worthwhile. These facilities also lack that ability to change in size and floorplan and do not challenge firefighters.</p> <p>While a digital system does not provide some of the benefits of live fire, it does provide a safe and controlled environment that is also safe for the environment.</p> <p>The system is portable and can be moved from building to building and can be used for training City staff and the community in the use of fire extinguishers.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>The fire attack system is safe for the environment and can be used to educate members of the community including employees and local businesses in fire safety.</p> <p>Effect on Annual Operations Costs:</p> <p>None.</p> |
|---|---|

Project Category: Fire ERP
Project Title: Rescue Truck Replacement
Total Estimated Cost: \$75,000
Funding Priority: 1
Account Number: 410-2510-703100
2018 Project Code: 410.18.25

Description:
 This item provides for the scheduled replacement of a Fire Department Rescue truck.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|----------|------|------|------|
| Capital Equipment Funding | | \$75,000 | | | |

| | |
|---|---|
| <p>Justification:</p> <p>Rescue 4 is the primary weekday rescue truck out of Station 1 and was purchased at cost of over \$100,000 in 2007. The truck is used daily for routine transportation of the duty crew, and response to calls for service including medical calls. This truck also services as the primary "Rehab" vehicle on fire calls and other incidents that are longer in duration. The vehicle has high mileage in a city environment and many hours of time where it idles.</p> <p>The plan anticipates purchasing a replacement chassis on which the current rescue body could be mounted. The rescue body will be refurbished to new condition by the truck manufacturer. This would result in some savings as opposed to building a new truck.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>Replacement is consistent with the Fire Department's vehicle replacement schedule.</p> <p>Effect on Annual Operations Costs:</p> <p>Reduced maintenance cost is anticipated.</p> |
|---|---|

Project Category: Fire ERP

Project Title: Fire Department Aerial Ladder Improvements

Total Estimated Cost: \$80,000

Funding Priority: 1

Account Number: 410-2510-703100

2018 Project Code: 410-18-25

Description:

This item provides for the scheduled refurbishment and improvements of Fire Department Vehicles



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|----------|------|------|------|
| Capital Equipment Funding | | \$80,000 | | | |

| | |
|---|---|
| <p>Justification:</p> <p>Aerial 2 was delivered in 2006 and has an expected service life of 25 years. During the service life of the vehicle it is exposed to conditions that wear on the exterior and interior portions of the vehicle and changes in technology make available safer and more efficient options for firefighting and emergency work.</p> <p>It is anticipated that in 2018, when the truck has reached half of its service life, that there will be a need to repair exterior paint, provide updated highway visibility in the form of reflective markings and emergency lighting and provide updated technology for fire and rescue operations.</p> <p>NOTE: This vehicle has not had a good reliability record. Although the manufacturer has stood by its product and many of the repairs have come at no cost to the City the equipment is frequently out of service. The reliability of this piece of equipment may justify deferring improvements in 2018 and consider earlier replacement.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>Refurbishment and improvements at a vehicles half-life is consistent with the Fire Department's vehicle replacement schedule.</p> |
|---|---|

Project Category: Fire ERP

Project Title: Fire Personal Protective Equipment

Total Estimated Cost: \$90,000

Funding Priority: 1

Account Number: 410-2510-703100

Project Number: 410-18-26

Reimbursements:

Design and Inspection:

Payroll Logged to Project:

Description:
 Personal Protective Equipment Replacement Program



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|----------|----------|------|------|
| Capital Equipment Fund | | \$45,000 | \$45,000 | | |

| | |
|--|--|
| <p>Justification:</p> <p>MN OSHA recently began enforcement and the NFPA 1851 Standard for Personal Protective Equipment (clothing) under 29 CFR Part 1910.132 “General Duty Clause” that requires replacement of all personal protective equipment every 10 years regardless of condition. Under the current replacement program the Fire Department has replaced all of the equipment with the exception of helmets and boots on a 10 year cycle. One third of the boots and helmets will need to be replaced in order to be compliant with the standard.</p> <p>A new style of hood is being manufactured with a vapor barrier similar to the coats and pants. The Fire Department is anticipating OSHA will require the hoods to prevent skin absorption of toxic vapors from fires in an effort to reduce the risk of cancer. The Fire Department is recommending purchase of the new hoods regardless of the requirement. A new style hood presently cost about \$100 more than the current hood (\$42).</p> <p>Because of the risk of cancer, the Fire Department is expecting a best practice for response to structure fires to include rinsing, bagging, transporting and washing all Personal Protective Equipment exposed to fire products. This practice will require a second set of Personal Protective Equipment for each firefighter at a cost of over \$2,000 per firefighter and will need to be replaced on a 10 year schedule.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>The Fire Department currently replaces personal protective equipment on a 10 year cycle in accordance with the NFPA Standard.</p> <p>Effect on Annual Operations Costs:</p> <p>If all three of the recommendations are met, the annual cost for Personal Protective Equipment would increase by over \$10,000 after five years.</p> |
|--|--|

Project Category: Fire ERP
Project Title: Fire Department Floor Scrubber
Total Estimated Cost: \$12,000
Funding Priority: 3
Account Number: 410-2510-703100
Project Number: 410-18-27
Reimbursements:
Design and Inspection:
Payroll Logged to Project:

Description:
 This is a request for replacement of the current floor scrubber for cleaning the apparatus floors.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|----------|------|------|------|
| Capital Equipment Fund | | \$12,000 | | | |

| | |
|--|--|
| <p>Justification:</p> <p>The floor scrubber currently used for Station 1 was a hand me down from Public Works. It is a walk behind scrubber that is of unknown vintage and is requiring more maintenance to keep running.</p> <p>It is anticipated that there will be close to 12,000 square feet of apparatus floor in a new facility that will need to be maintained with minimal staffing.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>A walk behind scrubber is currently used at least weekly to clean the apparatus floors.</p> <p>Effect on Annual Operations Costs:</p> <p>None</p> |
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Project Category: Fire ERP

Project Title: Self Contained Breathing Apparatus

Total Estimated Cost: \$250,000

Funding Priority: 1

Account Number: 410-2510-703100

2019 Project Code: 410-19-25

Description:
 This item provides for the scheduled replacement the Fire Department's Self Contained Breathing Apparatus.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|------|-----------|------|------|
| Capital Equipment Funding | | | \$250,000 | | |

Justification:

The Self Contained Breathing Apparatus (SCBA) is the firefighter's most important personal protection. Respiratory protection is used not only on fires but also in environments where chemicals are present or oxygen is absent. The SCBA air cylinders are limited in life expectancy by the Department Of Transportation to 15 years. In 15 years the technology also changes significantly enough that firefighter's benefit from improvements in safety and efficiency.

Relationship to General Plan and Other Projects:

The replacement of SCBA cylinders is required by DOT in the year 2019 and replacement of the SCBA technology is consistent with the Fire Departments practice of replacement with the cylinders.

Effect on Annual Operations Costs:

Annual cost of replacement parts and service may increase with the purchase of new technology SCBA. SCBA are required to be tested annually and advances in technology will add to the complexity of the units to be tested. It is also anticipated that advanced technology will also increase the cost of repair and parts. SCBA while new still experience very harsh conditions and physical abuse in protecting firefighters which leads to maintenance regardless of the age of the units

Project Category: Fire ERP

Project Title: Fire Department Engine/Heavy Rescue

Total Estimated Cost: \$650,000

Funding Priority: 1

Account Number: 410-2510-703100

2020 Project Code: 410-20-25

Description:

This item provides for the scheduled replacement of Fire Department Vehicles



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|------|------|-----------|------|
| Capital Equipment Funding | | | | \$650,000 | |

Justification:

Engine 1 is one of three engines that service the City. This Engine is located in Station 1 in the central portion of the City and will be 20 years old at time of replacement. This truck also serves as the only Heavy Rescue in the department carrying specialized tools for stabilization and extrication.

The Fire Department attempts to keep engines on a 20 year replacement cycle for the purpose of maintaining a reliable piece of equipment, limiting repair cost and providing new technology that benefits the firefighters in the form of efficiency and safety. One concept of technology that is being considered for this vehicle is a Compressed Air Foam System which reduces water damage in fighting structure fires and reduces the weight in a fire hose. The truck being replaced is the first line Engine and sees service and subsequent road miles much more often than the other two Engines. Maintenance cost for this vehicle will begin to increase more rapidly with age when compared to the other Engines.

The fire department also benefits from modern equipment by attracting perspective firefighter applicants from Fridley and the surrounding communities.

The cost of the project includes replacement of equipment and hose on the vehicle ensuring that equipment is replaced periodically.

Scheduling and Project Status:

Specifications for the truck will be drafted through a designated vendor in coordination with a contract with the Houston Galveston Area Consortium and would be scheduled for manufacture in the first quarter of 2019. This is assuming the truck manufacturer's schedule is open the truck could be built before the end of the year 2020.

Relationship to General Plan and Other Projects:

The three fire engines contribute to the city's overall ability to provide fire protection and are necessary to maintain the City's Insurance Services Organization (ISO) rating. ISO gives points for distribution of engines every 1.5 miles, for required equipment on the engine and for the rate the pump can deliver water.

Effect on Annual Operations Costs:

With a more efficient engine the cost of fuel consumption will be reduced although with only a slight improvement. As the age of the existing vehicle increases there will be a noticeable savings in maintenance with the purchase of a new vehicle.

Project Category: Fire ERP
Project Title: Fire Department Thermal Imagers
Total Estimated Cost: \$90,000
Funding Priority: 1
Account Number: 410-2510-703100
Project Number: 410-21-25
Reimbursements:
Design and Inspection:
Payroll Logged to Project:

Description:
 This item provides for the scheduled replacement the Fire Department’s Thermal Imaging Cameras.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|------|------|------|----------|
| Capital Equipment Fund | | | | | \$90,000 |

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| <p>Justification:</p> <p>Thermal Imaging Cameras (TIC) are used to provide a visual image in fire conditions where smoke obscures normal vision. There is a TIC located on every firefighting apparatus and is a tool required to be part of every fire attack team. The TIC is also used by Incident Command to locate fires that may not be visible from the exterior of a building and by overhaul teams to locate and extinguish hidden fire. TICs can also be used to locate people in fires, accident scenes and on the surface of water.</p> <p>The current TICs are expected to reach their service life after eight years at which time they will no longer be serviceable.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>TICs are scheduled to be replaced on an eight year cycle.</p> <p>Effect on Annual Operations Costs:</p> <p>None.</p> |
|---|---|

Project Category: PW ERP
Project Title: Pickup Truck
Total Estimated Cost: \$ 30,000
Funding Priority: 3
Account Number: 410-3172-703100
2017 Project Code: 410.17.72
Future Unit Number: 545
Replaces Unit Number: 541
Equipment Selection: Public Works Parks Maintenance Division
Payroll Logged to Project: None

Description:

This equipment will replace one of our pickups used to transport Parks Maintenance crews and equipment.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|----------|------|------|------|------|
| Capital Equipment Funding | \$30,000 | | | | |

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| <p>Justification:</p> <p>This vehicle is used as transportation for our crews, and is used by the Parks Maintenance trimming and turf management personnel. It is used full-time from April/May through September, and is utilized as a backup vehicle during low-use periods. A plow is included for plowing of park lots and rinks.</p> <p>Scheduling and Project Status:</p> <p>Purchase is planned for 2017. The proposed amount includes trade-in of the replaced Unit 541, which is a 2001 Ford F250.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This equipment purchase will allow the Public Works Department to continue providing its current level of service.</p> <p>Effect on Annual Operations Costs:</p> <p>This equipment will not change our operations costs supported by Public Works Department budgets. The equipment is anticipated to have a 15 year service life.</p> |
|---|---|

Project Category: PW ERP

Project Title: Sidewalk Plow

Total Estimated Cost: \$ 99,000

Funding Priority: 2

Account Number: 410-3172-703100

2017 Project Code: 410.17.72

Future Unit Number: 519

Replaces Unit Number: 503

Equipment Selection: Public Works Parks
Maintenance Division

Payroll Logged to Project: None

Description:

This equipment will replace one of the walk/trail plowing tractors used by the Parks Maintenance Division



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|----------|------|------|------|------|
| Capital Equipment Funding | \$99,000 | | | | |

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| <p>Justification:</p> <p>This plowing utility vehicle in the Parks Maintenance Division used for snow removal on walks and trails. It is also used for ice rink clearing after heavy accumulations.</p> <p>Scheduling and Project Status:</p> <p>Purchase is planned for 2017. The proposed amount includes trade-in of the replaced Unit 503, which is a 1995 MT Trackless, refurbished in 2008.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This equipment purchase will allow the Public Works Department to continue providing its current level of service.</p> <p>Effect on Annual Operations Costs:</p> <p>This equipment will not change our operations costs supported by Public Works Department budgets. The new tractor is anticipated to have a service life of 15 years, which may be extended through overhauls if viable.</p> |
|---|--|

Project Category: Capital Equipment
Project Title: Truck
Total Estimated Cost: \$ 42,000
Funding Priority: 2
Account Number: 410-3174-703100
2017 Project Code: 410.17.74
Future Unit Number:
Replaces Unit Number: 753
Equipment Selection: Public Works Street Maintenance Division
Payroll Logged to Project: None

Description:

This equipment will replace our 2000 ¾ Ton Chevrolet pickup used by the Street Maintenance Division for pavement maintenance and snow removal.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|----------|------|------|------|------|
| Capital Equipment Funding | \$42,000 | | | | |

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| <p>Justification:</p> <p>This will replace our 2000 ¾ Ton Chevrolet pickup with plow that we were going to sell in 2015, but kept the truck because of our increased work load and additional workers to meet our goal of improving the aesthetic quality of the City.</p> <p>Scheduling and Project Status:</p> <p>Purchase is planned for 2017. The proposed amount includes trade-in of the replaced Unit 753, which is a 2000 ¾ Ton Chevrolet Pickup.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This equipment purchase will allow the City to keep its level of service in pavement maintenance.</p> <p>Effect on Annual Operations Costs:</p> <p>This equipment will not change our operations costs supported by Public Works Department budgets. The equipment is anticipated to have a 15 year service life.</p> |
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Project Category: PW ERP

Project Title: Sidewalk Plow

Total Estimated Cost: \$ 132,000

Funding Priority: 2

Account Number: 410-31742-703100

2017 Project Code: 410.18.74

Future Unit Number: 761

Replaces Unit Number: 760

Equipment Selection: Public Works Street Maintenance Division

Payroll Logged to Project: None

Description:

This equipment will replace one of the walk/trail plowing tractors used by the Street Maintenance Division



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|------------|------|------|------|
| Capital Equipment Funding | | \$ 132,000 | | | |

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| <p>Justification:</p> <p>This plowing utility vehicle in the Street Maintenance Division used for snow removal on walks and trails, and areas around municipal buildings.</p> <p>Scheduling and Project Status:</p> <p>Purchase is planned for 2018. The proposed amount includes trade-in of the replaced Unit 760, which is a 1993 MT Trackless, refurbished in 2009.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This equipment purchase will allow the Public Works Department to continue providing its current level of service.</p> <p>Effect on Annual Operations Costs:</p> <p>This equipment will not change our operations costs supported by Public Works Department budgets. The new tractor is anticipated to have a service life of 15 years, which may be extended through overhauls if viable.</p> |
|---|--|

Project Category: PW ERP

Project Title: Flail Mower (Attachment)

Total Estimated Cost: \$ 26,000

Funding Priority: 3

Account Number: 410-3172-703100

2018 Project Code: 410.18.72

Future Unit Number: 554

Replaces Unit Number: 514A

Equipment Selection: Public Works Parks Maintenance Division

Payroll Logged to Project: None

Description:

This equipment will replace our mower attachment used by the Parks Maintenance Division for right-of-way maintenance.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|-----------|------|------|------|
| Capital Equipment Funding | | \$ 26,000 | | | |

Justification:

This will replace our side and rear flail mower attachment used by the Parks Maintenance to maintain vegetation on highway and street rights-of-way. This unit would be used full-time in spring and fall.

Scheduling and Project Status:

Purchase is planned for 2018. The proposed amount includes trade-in of the replaced Unit 514A, which is a 2000 Tiger mower.

Relationship to General Plan and Other Projects:

This equipment purchase will allow the City to keep its level of service in City rights-of-way turf maintenance.

Effect on Annual Operations Costs:

This equipment will not change our operations costs supported by Public Works Department budgets. The equipment is anticipated to have a 12 year service life.

Project Category: PW ERP

Project Title: Extended-cab Pickup Truck

Total Estimated Cost: \$ 24,000

Funding Priority: 3

Account Number: 410-3172-703100

2018 Project Code: 410.18.72

Future Unit Number: 529

Replaces Unit Number: 518

Equipment Selection: Public Works Parks Maintenance Division

Payroll Logged to Project: None

Description:

This equipment will replace our extended cab pickup used to transport Parks Maintenance crews and equipment.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 202 |
|---------------------------|------|-----------|------|------|-----|
| Capital Equipment Funding | | \$ 24,000 | | | |

Justification:

This vehicle is used as transportation for our crews, and is used by the Parks Maintenance trimming and turf management personnel. It is used full-time from April/May through September, and is utilized as a backup vehicle during low-use periods.

Scheduling and Project Status:

Purchase is planned for 2018. The proposed amount includes trade-in of the replaced Unit 518, which is a 2003 Chevrolet 4x4 extended cab pickup.

Relationship to General Plan and Other Projects:

This equipment purchase will allow the Public Works Department to continue providing its current level of service.

Effect on Annual Operations Costs:

This equipment will not change our operations costs supported by Public Works Department budgets. The equipment is anticipated to have a 15 year service life.

Project Category: PW ERP

Project Title: Crew-cab Pickup Truck

Total Estimated Cost: \$ 29,000

Funding Priority: 3

Account Number: 410-3172-703100

2018 Project Code: 410.18.72

Future Unit Number: 539

Replaces Unit Number: 524

Equipment Selection: Public Works Parks Maintenance Division

Payroll Logged to Project: None

Description:

This equipment will replace our crew cab pickup used to transport Parks Maintenance crews and equipment.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|-----------|------|------|------|
| Capital Equipment Funding | | \$ 29,000 | | | |

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| <p>Justification:</p> <p>This vehicle is used as transportation for our crews, and is used by the Parks Maintenance trimming and turf management personnel. It is used full-time from April/May through September, and is utilized as a backup vehicle during low-use periods.</p> <p>Scheduling and Project Status:</p> <p>Purchase is planned for 2018. The proposed amount includes trade-in of the replaced Unit 524, which is a 2000 Chevrolet 3500 crew cab pickup.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This equipment purchase will allow the Public Works Department to continue providing its current level of service.</p> <p>Effect on Annual Operations Costs:</p> <p>This equipment will not change our operations costs supported by Public Works Department budgets. The equipment is anticipated to have an 18 year service life.</p> |
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Project Category: PW ERP

Project Title: 1-Ton Dump Truck

Total Estimated Cost: \$ 39,000

Funding Priority: 1

Account Number: 410-3172-703100

2018 Project Code: 410.18.72

Future Unit Number: 552

Replaces Unit Number: 530

Equipment Selection: Public Works Parks Maintenance Division

Payroll Logged to Project: None

Description:

This equipment will replace one of our one-ton dump trucks used for Parks Maintenance and winter plowing.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|-----------|------|------|------|
| Capital Equipment Funding | | \$ 39,000 | | | |

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|---|---|
| <p>Justification:</p> <p>This vehicle is used by the Parks Maintenance Division as a utility vehicle from April/May through September, and is used in the winter to plow cul-de-sacs and select streets.</p> <p>Scheduling and Project Status:</p> <p>Purchase is planned for 2018. The proposed amount includes trade-in of the replaced Unit 530, which is a 1998 Chevrolet 1-ton dump truck.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This equipment purchase will allow the Public Works Department to continue providing its current level of service.</p> <p>Effect on Annual Operations Costs:</p> <p>This equipment will not change our operations costs supported by Public Works Department budgets. The equipment is anticipated to have a 20 year service life.</p> |
|---|---|

Project Category: PW ERP

Project Title: Turf Sweeper

Total Estimated Cost: \$ 15,000

Funding Priority: 3

Account Number: 410-3172-703100

2018 Project Code: 410.18.72

Future Unit Number: 520

Replaces Unit Number: 513

Equipment Selection: Public Works Parks Maintenance Division

Payroll Logged to Project: None

Description:

This equipment will replace a turf sweeper used by the Parks Maintenance Division for debris collection in City maintained properties.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|-----------|------|------|------|
| Capital Equipment Funding | | \$ 15,000 | | | |

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|---|---|
| <p>Justification:</p> <p>This is one of three turf sweepers used by the Parks Maintenance Division to perform leaf and debris collection in City parks. This unit would be used full-time in spring and fall.</p> <p>Scheduling and Project Status:</p> <p>Purchase is planned for 2018. The proposed amount includes trade-in of the replaced Unit 513, which is a 1998 Toro turf sweeper.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This equipment purchase will allow the City to maintain its level of service in City parks and rights-of-way turf maintenance.</p> <p>Effect on Annual Operations Costs:</p> <p>This equipment will not change our operations costs supported by Public Works Department budgets. The equipment is anticipated to have a 15 year service life.</p> |
|---|---|

Project Category: PW ERP

Project Title: Turf Sweeper

Total Estimated Cost: \$ 18,000

Funding Priority: 3

Account Number: 410-3172-703100

2018 Project Code: 410.18.72

Future Unit Number: 534

Replaces Unit Number: 521

Equipment Selection: Public Works Parks Maintenance Division

Payroll Logged to Project: None

Description:

This equipment will replace a turf sweeper used by the Parks Maintenance Division for debris collection in City maintained properties.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|-----------|------|------|------|
| Capital Equipment Funding | | \$ 18,000 | | | |

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| <p>Justification:</p> <p>This is one of three turf sweepers used by the Parks Maintenance Division to perform leaf and debris collection in City parks. This unit would be used full-time in spring and fall.</p> <p>Scheduling and Project Status:</p> <p>Purchase is planned for 2018. The proposed amount includes trade-in of the replaced Unit 521, which is a 2003 Smithco turf sweeper.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This equipment purchase will allow the City to maintain its level of service in City parks and rights-of-way turf maintenance.</p> <p>Effect on Annual Operations Costs:</p> <p>This equipment will not change our operations costs supported by Public Works Department budgets. The equipment is anticipated to have a 15 year service life.</p> |
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Project Category: PW ERP

Project Title: Utility Vehicle with Groomer

Total Estimated Cost: \$ 15,000

Funding Priority: 3

Account Number: 410-3172-703100

2018 Project Code: 410.18.72

Future Unit Number: 571

Replaces Unit Number: 556

Equipment Selection: Public Works Parks Maintenance Division

Payroll Logged to Project: None

Description:

This equipment will replace a utility vehicle with groomer used by the Parks Maintenance Division for athletic field maintenance.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|-----------|------|------|------|
| Capital Equipment Funding | | \$ 15,000 | | | |

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| <p>Justification:</p> <p>This will replace a utility vehicle with a groomer used by the Parks Maintenance staff to level fields that the City maintains. This unit is used from April through September on a regular basis.</p> <p>Scheduling and Project Status:</p> <p>Purchase is planned for 2018. The proposed amount includes trade-in of the replaced Unit 556, which is a 2003 John Deere Pro Gator.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This equipment purchase will allow the City to maintain its current level of service.</p> <p>Effect on Annual Operations Costs:</p> <p>This equipment will not change our operations costs supported by Public Works Department budgets. The equipment is anticipated to have a 10 year service life.</p> |
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Project Category: PW ERP

Project Title: Turf Sweeper

Total Estimated Cost: \$ 15,000

Funding Priority: 3

Account Number: 410-3172-703100

2018 Project Code: 410.18.72

Future Unit Number: 584

Replaces Unit Number: 583

Equipment Selection: Public Works Parks Maintenance Division

Payroll Logged to Project: None

Description:

This equipment will replace a turf sweeper used by the Parks Maintenance Division for debris collection in City maintained properties.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|-----------|------|------|------|
| Capital Equipment Funding | | \$ 15,000 | | | |

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|---|---|
| <p>Justification:</p> <p>This is one of three turf sweepers used by the Parks Maintenance Division to perform leaf and debris collection in City parks. This unit would be used full-time in spring and fall.</p> <p>Scheduling and Project Status:</p> <p>Purchase is planned for 2018. The proposed amount includes trade-in of the replaced Unit 583, which is a 1990 Olathe turf sweeper.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This equipment purchase will allow the City to maintain its level of service in City parks and rights-of-way turf maintenance.</p> <p>Effect on Annual Operations Costs:</p> <p>This equipment will not change our operations costs supported by Public Works Department budgets. The equipment is anticipated to have a 15 year service life.</p> |
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Project Category: PW ERP

Project Title: Asphalt Roller Trailer

Total Estimated Cost: \$ 3,000

Funding Priority: 2

Account Number: 410-3174-703100

2018 Project Code: 410.18.74

Future Unit Number: 749

Replaces Unit Number: 746

Equipment Selection: Public Works Street Maintenance Division

Payroll Logged to Project: None

Description:

This equipment will replace our pavement roller trailer used by the Street Maintenance Division.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|----------|------|------|------|
| Capital Equipment Funding | | \$ 3,000 | | | |

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| <p>Justification:</p> <p>This will replace a trailer used to transport one of our two pavement rollers in the Street Maintenance Division. This unit would be used full-time spring through fall.</p> <p>Scheduling and Project Status:</p> <p>Purchase is planned for 2018. The proposed amount includes trade-in of the replaced Unit 746, which is a 1999 Towmaster trailer.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This equipment purchase will allow the City to keep its level of service in pavement maintenance.</p> <p>Effect on Annual Operations Costs:</p> <p>This equipment will not change our operations costs supported by Public Works Department budgets. The equipment is anticipated to have a 20 year service life.</p> |
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Project Category: PW ERP

Project Title: Compressor

Total Estimated Cost: \$ 14,000

Funding Priority: 2

Account Number: 410-3174-703100

2018 Project Code: 410.18.74

Future Unit Number: 786

Replaces Unit Number: 785

Equipment Selection: Public Works Street Maintenance Division

Payroll Logged to Project: None

Description:

This equipment will replace our compressor used by the Street Maintenance Division for pavement maintenance.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|-----------|------|------|------|
| Capital Equipment Funding | | \$ 14,000 | | | |

Justification:

This will replace our compressor used in the Street Maintenance Division for blowing out cracks and potholes when repairing pavement. This unit would be used full-time spring through fall.

Scheduling and Project Status:

Purchase is planned for 2018. The proposed amount includes trade-in of the replaced Unit 785, which is a 1988 Gardner/Denver compressor.

Relationship to General Plan and Other Projects:

This equipment purchase will allow the City to keep its level of service in pavement maintenance.

Effect on Annual Operations Costs:

This equipment will not change our operations costs supported by Public Works Department budgets. The equipment is anticipated to have a 30 year service life.

Project Category: PW ERP

Project Title: Tanker Truck

Total Estimated Cost: \$ 125,000

Funding Priority: 2

Account Number: 410-3172-703100

2017 Project Code: 410.19.72

Future Unit Number: 576

Replaces Unit Number: 573

Equipment Selection: Public Works Parks Maintenance Division

Payroll Logged to Project: None

Description:

This equipment will replace the tanker truck used by Parks Maintenance staff for watering and rink flooding.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|------|------------|------|------|
| Capital Equipment Funding | | | \$ 125,000 | | |

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| <p>Justification:</p> <p>This is our single tanker truck used by the Parks Maintenance staff for summer watering and flooding of rinks that the City maintains. This unit is used from year-round on a regular basis.</p> <p>Scheduling and Project Status:</p> <p>Purchase is planned for 2019. The proposed amount includes trade-in of the replaced Unit 573, which is a 1999 Rosco Tanker Truck.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This equipment purchase will allow the City to maintain its current level of service for maintenance. The equipment also allows us to meet our stormwater permit requirements by watering of planted stormwater areas.</p> <p>Effect on Annual Operations Costs:</p> <p>This equipment will not change our operations costs supported by Public Works Department budgets. The new equipment is anticipated to have a 20 year service life.</p> |
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Project Category: PW ERP

Project Title: Utility Vehicle with Groomer

Total Estimated Cost: \$ 18,000

Funding Priority: 3

Account Number: 410-3172-703100

2019 Project Code: 410.19.72

Future Unit Number: 560

Replaces Unit Number: 531

Equipment Selection: Public Works Parks Maintenance Division

Payroll Logged to Project: None

Description:

This equipment will replace a utility vehicle with groomer used by the Parks Maintenance Division for athletic field maintenance.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|------|-----------|------|------|
| Capital Equipment Funding | | | \$ 18,000 | | |

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| <p>Justification:</p> <p>This will replace a utility vehicle with a groomer used by the Parks Maintenance staff to level fields that the City maintains. This unit is used from April through September on a regular basis.</p> <p>Scheduling and Project Status:</p> <p>Purchase is planned for 2019. The proposed amount includes trade-in of the replaced Unit 531, which is a 1999 Toro Workman.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This equipment purchase will allow the City to maintain its current level of service.</p> <p>Effect on Annual Operations Costs:</p> <p>This equipment will not change our operations costs supported by Public Works Department budgets. The equipment is anticipated to have a 10 year service life.</p> |
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Project Category: PW ERP

Project Title: Aeration Tool Attachment

Total Estimated Cost: \$ 7,000

Funding Priority: 3

Account Number: 410-3172-703100

2019 Project Code: 410.19.72

Future Unit Number: 588

Replaces Unit Number: 586

Equipment Selection: Public Works Parks Maintenance Division

Payroll Logged to Project: None

Description:

This equipment will replace our existing aeration attachment used by the Parks Maintenance Division for parks and fields.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|------|----------|------|------|
| Capital Equipment Funding | | | \$ 7,000 | | |

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| <p>Justification:</p> <p>This will replace the existing aeration tool attachment used by the Parks Maintenance staff to condition soils on fields and parks that the City maintains. This unit is used on a limited basis from April through September.</p> <p>Scheduling and Project Status:</p> <p>Purchase is planned for 2019. The proposed amount includes trade-in of the replaced Unit 586, which is a 1997 Aera-vator AE60.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This equipment purchase will allow the City to maintain its current level of service.</p> <p>Effect on Annual Operations Costs:</p> <p>This equipment will not change our operations costs supported by Public Works Department budgets. The equipment is anticipated to have a 20 year service life.</p> |
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Project Category: PW ERP

Project Title: Dump Truck with Hot Mix Box

Total Estimated Cost: \$ 170,000

Funding Priority: 2

Account Number: 410-3174-703100

2019 Project Code: 410.19.74

Future Unit Number: 734

Replaces Unit Number: 730

Equipment Selection: Public Works Street Maintenance Division

Payroll Logged to Project: None

Description:
 This equipment will replace our existing pothole patching truck used by the Street Maintenance Division.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|------|------------|------|------|
| Capital Equipment Funding | | | \$ 170,000 | | |

Justification:
 This will replace the existing dump truck with a pothole patch hot mix box used by the Street Maintenance staff to maintain asphalt pavements citywide. The truck is also outfitted for first-line winter plowing. This unit is used on a regular basis year round.

Scheduling and Project Status:
 Purchase is planned for 2019. The proposed amount includes trade-in of the replaced Unit 730, which is a 2005 International.

Relationship to General Plan and Other Projects:
 This equipment purchase will allow the City to maintain its current level of service.

Effect on Annual Operations Costs:
 This equipment will not change our operations costs supported by Public Works Department budgets. The equipment is anticipated to have a 15 year service life.

Project Category: PW ERP

Project Title: Asphalt Roller

Total Estimated Cost: \$ 17,000

Funding Priority: 2

Account Number: 410-3174-703100

2019 Project Code: 410.19.74

Future Unit Number: 755

Replaces Unit Number: 745

Equipment Selection: Public Works Street Maintenance Division

Payroll Logged to Project: None

Description:

This equipment will replace one of our pavement rollers used by the Street Maintenance Division.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|------|-----------|------|------|
| Capital Equipment Funding | | | \$ 17,000 | | |

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| <p>Justification:</p> <p>This will replace the smaller of our two pavement rollers in the Street Maintenance Division. This unit would be used full-time spring through fall.</p> <p>Scheduling and Project Status:</p> <p>Purchase is planned for 2019. The proposed amount includes trade-in of the replaced Unit 745, which is a 1999 Beuthling B150 roller.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This equipment purchase will allow the City to keep its level of service in pavement maintenance. This equipment is paired with the replacement of one of our roller trailers, Unit 742.</p> <p>Effect on Annual Operations Costs:</p> <p>This equipment will not change our operations costs supported by Public Works Department budgets. The equipment is anticipated to have a 20 year service life.</p> |
|---|---|

Project Category: PW ERP

Project Title: Asphalt Roller Trailer

Total Estimated Cost: \$ 3,000

Funding Priority: 2

Account Number: 410-3174-703100

2019 Project Code: 410.19.74

Future Unit Number: 757

Replaces Unit Number: 742

Equipment Selection: Public Works Street Maintenance Division

Payroll Logged to Project: None

Description:

This equipment will replace our pavement roller trailer used by the Street Maintenance Division.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|------|----------|------|------|
| Capital Equipment Funding | | | \$ 3,000 | | |

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| <p>Justification:</p> <p>This will replace a trailer used to transport one of our two pavement rollers in the Street Maintenance Division. This unit would be used full-time spring through fall.</p> <p>Scheduling and Project Status:</p> <p>Purchase is planned for 2019. The proposed amount includes trade-in of the replaced Unit 742, which is a 1995 Towmaster trailer.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This equipment purchase will allow the City to keep its level of service in pavement maintenance. This equipment is paired with the replacement of one of our rollers, Unit 745.</p> <p>Effect on Annual Operations Costs:</p> <p>This equipment will not change our operations costs supported by Public Works Department budgets. The equipment is anticipated to have a 20 year service life.</p> |
|---|---|

Project Category: PW ERP

Project Title: Highway Mower Tractor

Total Estimated Cost: \$ 45,000

Funding Priority: 3

Account Number: 410-3172-703100

2020 Project Code: 410.20.72

Future Unit Number: 554

Replaces Unit Number: 514

Equipment Selection: Public Works Parks Maintenance Division

Payroll Logged to Project: None

Description:

This equipment will replace our tractor used by the Parks Maintenance Division for right-of-way maintenance.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|------|------|-----------|------|
| Capital Equipment Funding | | | | \$ 45,000 | |

Justification:

This will replace our tractor used with a side and rear flail mower attachment by the Parks Maintenance to maintain vegetation on highway and street rights-of-way. This unit would be used full-time in spring and fall.

Scheduling and Project Status:

Purchase is planned for 2020. The proposed amount includes trade-in of the replaced Unit 514, which is a 2000 John Deere 6410 tractor.

Relationship to General Plan and Other Projects:

This equipment purchase will allow the City to keep its level of service in City rights-of-way turf maintenance. This equipment is paired with our flail mower attachment.

Effect on Annual Operations Costs:

This equipment will not change our operations costs supported by Public Works Department budgets. The equipment is anticipated to have a 20 year service life.

Project Category: PW ERP

Project Title: Tandem Mower Trailers

Total Estimated Cost: \$ 10,000

Funding Priority: 3

Account Number: 410-3172-703100

2020 Project Code: 410.20.72

Future Unit Number: 578 & 579

Replaces Unit Number: 523 and 533

Equipment Selection: Public Works Parks Maintenance Division

Payroll Logged to Project: None

Description:

This equipment will replace two tandem axle mower trailers used by the Park Maintenance Division.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|------|------|-----------|------|
| Capital Equipment Funding | | | | \$ 10,000 | |

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| <p>Justification:</p> <p>This will replace our two tandem axle trailers used to transport mowers for our Parks Maintenance Division. This unit would be used full-time spring through fall.</p> <p>Scheduling and Project Status:</p> <p>Purchase is planned for 2020. The proposed amount includes trade-in of the replaced Unit 523 and 533, which were purchased in 2005 and 2000, respectively.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This equipment purchase will allow the City to keep its level of service in pavement maintenance. This equipment is paired with our mowing equipment, and preserves mileage and hours on this equipment.</p> <p>Effect on Annual Operations Costs:</p> <p>This equipment will not change our operations costs supported by Public Works Department budgets. The equipment is anticipated to have a 15 year service life.</p> |
|---|---|

Project Category: PW ERP

Project Title: Front-Mount Tractor/Mower

Total Estimated Cost: \$ 22,000

Funding Priority: 2

Account Number: 410-3172-703100

2017 Project Code: 410.20.72

Future Unit Number: 544

Replaces Unit Number: 540

Equipment Selection: Public Works Parks Maintenance Division

Payroll Logged to Project: None

Description:

This equipment will replace a front-mount mower used by the Parks Maintenance Division for grass cutting in City parks.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|------|------|----------|------|
| Capital Equipment Funding | | | | \$22,000 | |

Justification:

This is one of three front-mount mowers used by the Parks Maintenance Division to staff two full mowing crews to perform grass cutting in City parks. This unit would be used full-time from April/May through September.

Scheduling and Project Status:

Purchase is planned for 2020. The proposed amount includes trade-in of the replaced Unit 540 (pictured), which is a 2008 John Deere model 1435.

Relationship to General Plan and Other Projects:

This equipment purchase will allow the City to maintain its level of service in City parks and rights-of-way turf maintenance.

Effect on Annual Operations Costs:

This equipment will not change our operations costs supported by Public Works Department budgets. The equipment is anticipated to have a 10 year service life.

Project Category: PW ERP

Project Title: Pickup Truck
Total Estimated Cost: \$ 20,000
Funding Priority: 2
Account Number: 410-3172-703100
2020 Project Code: 410.20.72
Future Unit Number: 564
Replaces Unit Number: 558
Equipment Selection: Public Works Parks Maintenance Division
Payroll Logged to Project: None

Description:

This equipment will replace one of our pickups used to transport Parks Maintenance crews and equipment.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|------|------|-----------|------|
| Capital Equipment Funding | | | | \$ 20,000 | |

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| <p>Justification:</p> <p>This vehicle is used as transportation for Parks Maintenance staff year-round.</p> <p>Scheduling and Project Status:</p> <p>Purchase is planned for 2020. The proposed equipment is similar to Unit 558, which is a 2007 GMC Sierra ¾-ton pickup truck.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This equipment purchase will allow the Public Works Department to continue providing its current level of service.</p> <p>Effect on Annual Operations Costs:</p> <p>This equipment will not change our operations costs supported by Public Works Department budgets. The equipment is anticipated to have a 12 year service life.</p> |
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Project Category: PW ERP

Project Title: Sealant Melter

Total Estimated Cost: \$ 26,000

Funding Priority: 2

Account Number: 410-3174-703100

2020 Project Code: 410.20.74

Future Unit Number: 758

Replaces Unit Number: 723

Equipment Selection: Public Works Street Maintenance Division

Payroll Logged to Project: None

Description:

This equipment will replace our existing trailer mounted sealant melter used by the Street Maintenance Division.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|------|------|-----------|------|
| Capital Equipment Funding | | | | \$ 26,000 | |

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| <p>Justification:</p> <p>This will replace the existing trailer-mounted sealant melter used by the Street Maintenance staff to maintain asphalt pavements citywide. This unit is used on a regular basis from April through September for crack sealing of streets.</p> <p>Scheduling and Project Status:</p> <p>Purchase is planned for 2020. The proposed amount includes trade-in of the replaced Unit 723, which is a 1995 Crafcoc EZ200 melter.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This equipment purchase will allow the City to maintain its current level of service.</p> <p>Effect on Annual Operations Costs:</p> <p>This equipment will not change our operations costs supported by Public Works Department budgets. The equipment is anticipated to have a 25 year service life.</p> |
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Project Category: PW ERP

Project Title: Six-yard Dump Truck with Plow

Total Estimated Cost: \$ 170,000

Funding Priority: 2

Account Number: 410-3174-703100

2020 Project Code: 410.20.74

Future Unit Number: 773

Replaces Unit Number: 769

Equipment Selection: Public Works Street Maintenance Division

Payroll Logged to Project: None

Description:
 This equipment will replace one of the large dump trucks used by the Streets Division.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|------|------|------------|------|
| Capital Equipment Funding | | | | \$ 170,000 | |

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| <p>Justification:</p> <p>This dump truck is one of six large trucks used year-round by the Street Maintenance Division for plowing in the winter and hauling materials in the summer.</p> <p>Scheduling and Project Status:</p> <p>Purchase is planned for 2020. The proposed amount includes trade-in of the replaced Unit 769, which is a 2005 International.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This equipment purchase will allow the Public Works Department to continue providing its current level of service.</p> <p>Effect on Annual Operations Costs:</p> <p>This equipment will not change our operations costs supported by Public Works Department budgets. The equipment is anticipated to have a 15 year service life.</p> |
|---|---|

Project Category: PW ERP

Project Title: Asphalt Roller

Total Estimated Cost: \$ 34,000

Funding Priority: 2

Account Number: 410-3174-703100

2020 Project Code: 410.20.74

Future Unit Number: 759

Replaces Unit Number: 787

Equipment Selection: Public Works Street Maintenance Division

Payroll Logged to Project: None

Description:

This equipment will replace one of our pavement rollers used by the Street Maintenance Division.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|------|------|-----------|------|
| Capital Equipment Funding | | | | \$ 34,000 | |

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| <p>Justification:</p> <p>This will replace the larger of our two pavement rollers in the Street Maintenance Division. This unit would be used full-time spring through fall.</p> <p>Scheduling and Project Status:</p> <p>Purchase is planned for 2020. The proposed amount includes trade-in of the replaced Unit 787, which is a 1990 Beuthling B300 roller.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This equipment purchase will allow the City to keep its level of service in pavement maintenance. This equipment is paired with the replacement of one of our roller trailers, Unit 746.</p> <p>Effect on Annual Operations Costs:</p> <p>This equipment will not change our operations costs supported by Public Works Department budgets. The equipment is anticipated to have a 30 year service life.</p> |
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Project Category: PW ERP

Project Title: Wheeled Loader

Total Estimated Cost: \$ 130,000

Funding Priority: 2

Account Number: 410-3174-703100

2020 Project Code: 410.20.74

Future Unit Number: 799

Replaces Unit Number: 795

Equipment Selection: Public Works Street Maintenance Division

Payroll Logged to Project: None

Description:

This equipment will replace one of the wheeled loaders used year-round by the Streets Division.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|------|------|------------|------|
| Capital Equipment Funding | | | | \$ 130,000 | |

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| <p>Justification:</p> <p>This heavy equipment is one of three loaders used year-round by the Street Maintenance Division for plowing in the winter, loading trucks, and moving construction and fill materials year-round.</p> <p>Scheduling and Project Status:</p> <p>Purchase is planned for 2020. The proposed amount includes trade-in of the replaced Unit 795, which is a 1999 John Deere 544H loader, refurbished in 2014.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This equipment purchase will allow the Public Works Department to continue providing its current level of service.</p> <p>Effect on Annual Operations Costs:</p> <p>This equipment will not change our operations costs supported by Public Works Department budgets. The equipment is anticipated to have a 20 year service life with one major overhaul during its life.</p> |
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Project Title: Topdresser

Total Estimated Cost: \$ 12,000

Funding Priority: 3

Account Number: 410-3172-703100

2017 Project Code: 410.21.72

Future Unit Number: 569

Replaces Unit Number: 565

Equipment Selection: Public Works Parks Maintenance Division

Payroll Logged to Project: None

Description:

This equipment will replace our topdresser used by the Parks Maintenance Division for athletic field maintenance.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|------|------|------|-----------|
| Capital Equipment Funding | | | | | \$ 12,000 |

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| <p>Justification:</p> <p>This is our single topdresser used by the Parks Maintenance staff to fertilize and level fields that the City maintains. This unit is used from April through September on a regular basis.</p> <p>Scheduling and Project Status:</p> <p>Purchase is planned for 2021. The proposed amount includes trade-in of the replaced Unit 565, which is a 2007 Turfco topdresser.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This equipment purchase will allow the City to maintain its current level of service.</p> <p>Effect on Annual Operations Costs:</p> <p>This equipment will not change our operations costs supported by Public Works Department budgets. The equipment is anticipated to have a 10 year service life.</p> |
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Project Category: PW ERP

Project Title: Parking Lot/Trail Sweeper

Total Estimated Cost: \$ 32,000

Funding Priority: 2

Account Number: 410-3172-703100

2017 Project Code: 410.21.72

Future Unit Number: 550

Replaces Unit Number: 547

Equipment Selection: Public Works Parks Maintenance Division

Payroll Logged to Project: None

Description:

This equipment will replace our trail and parking lot sweeper used by the Parks Maintenance Division.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|------|------|------|----------|
| Capital Equipment Funding | | | | | \$32,000 |

Justification:

This is our single sweeper used by the Parks Maintenance staff to sweep parking lots in city parks and trails citywide. This unit is used from April through November on a part-time basis, with heavy use in the spring and fall.

Scheduling and Project Status:

Purchase is planned for 2021. The proposed amount includes trade-in of the replaced Unit 547, which is a 1997 Powerboss sweeper.

Relationship to General Plan and Other Projects:

This equipment purchase will allow the City to maintain its current level of service. The equipment also allows us to meet our stormwater permit requirements.

Effect on Annual Operations Costs:

This equipment will not change our operations costs supported by Public Works Department budgets. The equipment is anticipated to have a 20 year service life.

Project Category: Technology ERP
Project Title: Technology Purchases/Upgrades
Total Estimated Cost: \$840,000
Funding Priority: 1
Account Number: 409-1314-704100
Project Code: 409-15-01

Description:
 Funding for replacement of computers, including desktops, laptops and servers, local area network equipment, printers, peripheral devices, telecommunication improvements, and software over the next 5 years. Also provides for the purchase of new equipment and software that serves the city as a whole.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------------|------------|------------|------------|---------|
| IT Fund | \$ 146,000 | \$ 226,000 | \$ 156,000 | \$ 156,000 | 156,000 |

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| <p>Justification:</p> <p>Systematic maintenance and upgrading of computers, network equipment, printers, peripheral devices, and software.</p> <p>Most PCs are on a four-year replacement cycle. Laptops used in difficult environments are replaced every three years. Printers are eligible for replacement every four years but are only replaced if there are significant problems with an individual device.</p> <p>Software is typically purchased at the same time as the PC it will be loaded on to, and is usually only upgraded/replaced with that PC.</p> <p>Network equipment, including servers and LAN/WAN hardware, are eligible for replacement every four years.</p> <p>Scheduling and Project Status:</p> <p>PCs and printers are purchased through the year after consultation with the affected departments and users. Network equipment is analyzed on a yearly basis to determine if it is still meeting the needs of the city.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>Budgeting and purchasing technology equipment and software through the MIS Fund allows the city greater flexibility to direct resources where they are most needed rather than relying on individual department budgets.</p> <p>Effect on Annual Operations Costs:</p> <p>Annual maintenance costs may increase as old equipment is replaced or as new equipment is added. These maintenance costs are a part of the general fund operating budget.</p> |
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Project Category: Technology ERP

Project Title: Police VPN Migration

Total Estimated Cost: \$5,000

Funding Priority: 1

Account Number: 409-1314-621130

Project Code:

Description:

The Fridley Police Department would discontinue using NetMotion and 2FA One software for connectivity and changes to a city owned option, such as Watchguard IPSec VPN Clients and associated two-factor authentication option.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|----------|------|------|------|------|
| IT Fund | \$ 5,000 | | | | |

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| <p>Justification: Currently the City of Fridley Police Department and the City of Blaine Police Department receive mobility connectivity and advanced authentication (2FA) using NetMotion Servers and 2FA One software serviced 24/7 by Network Medics, Inc (NMI). The equipment is housed at the City of Fridley and service supplied by NMI. The annual service contract with NMI for 24/7 support is approximately \$31,000.</p> <p>It is proposed by the Fridley Police Department that by August 2017, when the annual contract is up for renewal, that the Fridley Police Department discontinues using NetMotion and 2FA One software for connectivity and changes to a city owned option, such as Watchguard. The City of Blaine would then continue to use the current system until the end of life in August of 2018; at which time the City of Fridley would not renew the contract to provide connectivity and advanced authentication to the City of Blaine.</p> <p>Scheduling and Project Status:</p> <p>Project would begin implementation in early 2017 with the purchase of the first replacement Police squad laptops.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This project would affect approximately 25 mobile computers in use by the Fridley Police Department, and is related to the replacement of these systems.</p> <p>Effect on Annual Operations Costs:</p> <p>Once client licenses are purchased, they would remain for the life of the Watchguard firewall (at least until 2019. No further expenditure would be required.</p> <p>Two-factor authentication systems require additional licensing between \$40-\$80/user/year based on the option chosen. An estimate of \$1,500 annually would be incurred by our Police Department.</p> <p>Beginning in 2017 and into 2018, Fridley's cost for the system maintenance and support would drop due to the elimination of maintenance contracts on the 2FA and NetMotion software.</p> |
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Project Category: Technology ERP
Project Title: Mobile Permitting
Total Estimated Cost: \$6,500
Funding Priority: 2
Account Number: 409-1314-621130
Project Code:

Description:
 Field access to Permit Works permit and licensing software for inspectors, allowing data entry and lookup in field.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|----------|------|------|------|------|
| IT Fund | \$ 6,500 | | | | |

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| <p>Justification:</p> <p>Field access to Permit Works permit and licensing software for inspectors, allowing data entry and lookup in field. This would save significant time by enabling inspectors to update inspection cards electronically in the field rather than completing paper slips that must be typed into the system upon returning to the office.</p> <p>This would require the purchase of mobile units of some sort (laptops or tablets) for CD staff and, possibly, portable printers that would allow them to print items such as permits or certificates of occupancy.</p> <p>In the future, the technology may be expanded for access to Rental Inspections and other city systems.</p> <p>Scheduling and Project Status:</p> <p>Goal is to implement the system in 2017.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This project meets the goal of providing more information to staff in the field, reducing errors, and enhancing citizen service.</p> <p>Effect on Annual Operations Costs:</p> <p>The project will raise operating costs due to cellular connections for the mobile devices. An estimate of \$900 annually would be incurred by our Building Inspection division.</p> |
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Project Category: Technology ERP

Project Title: Paperless Accounts Payable Pilot

Total Estimated Cost: \$10,000

Funding Priority: 2

Account Number: 409-1314-631100

Project Code:

Description:

Pilot project to study options for developing a paperless workflow for coding and approving payments.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|-----------|------|------|------|------|
| IT Fund | \$ 10,000 | \$ 0 | \$ 0 | \$ 0 | \$ 0 |

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| <p>Justification:</p> <p>With the implementation of state of the document management and financial systems, the City is now able to develop a paperless workflow for the accounts payable process.</p> <p>By developing a paperless workflow City staff would save time by no longer manually coding and approving payments, eliminate the duplication of work, reduce data entry errors and also reduce our waste stream.</p> <p>This study would take existing technology and develop an efficient and effect process. This study would also identify if any special programming, licensing and hardware is necessary to implement.</p> <p>Scheduling and Project Status:</p> <p>This study would be completed in 2017. If it was determined that there would be minimal financial cost to implement, the workflow would be developed in 2017 using the remainder of these funds. If there is a need for additional hardware or customized programming, an additional request to implement would be presented during the 2018 ERP process.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This project meets the goal of further process automation within the city. It would increase staff productivity and reduce errors inherent in the paper process. It would likely use a combination of existing technologies such as SharePoint or Laserfiche.</p> <p>Effect on Annual Operations Costs:</p> <p>Annual licensing and maintenance costs may increase as a result of the project depending on the chosen implementation technology.</p> |
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Project Category: Technology ERP
Project Title: Image System Enhancement
Total Estimated Cost: \$20,000
Funding Priority: 3
Account Number: 409-1314-621130
Project Code: 409-15-51

Description:
 Expansion and improvement of the city's document imaging system.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|-----------|-----------|------|------|------|
| IT Fund | \$ 10,000 | \$ 10,000 | \$0 | \$ 0 | \$ 0 |

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| <p>Justification:</p> <p>The early stages of implementation of document imaging within the city have proven to be successful in improving access to information, speeding up retrieval times, and increasing the productivity of various operating departments. Based upon this success, it is believed that the expansion of the system into additional documents types, along with the building of additional workflow processes, will provide further improvements. In addition, the city will be able to leverage the ability of the city's new financial system to integrate with document imaging archives.</p> <p>Scheduling and Project Status:</p> <p>Improvements are continual and ongoing.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This project facilitates several other projects within the city, as well and productivity improvements in several departments.</p> <p>Effect on Annual Operations Costs:</p> <p>The city's cost for annual maintenance will rise based on the number and type of additional user licenses required by the inclusion of various documents types and workflow processes.</p> |
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Project Category: Technology ERP
Project Title: Citizen Request Tracking
Total Estimated Cost: \$1,000
Funding Priority: 3
Account Number: 409-1314-521130
Project Code:

Description:
 Enables management to follow citizen requests to make sure they are handled appropriately and in a timely manner.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|----------|------|------|------|------|
| MIS Fund | \$ 1,000 | \$ 0 | \$ 0 | \$ 0 | \$ 0 |

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| <p>Justification: Management would like the ability to follow requests that come from citizens to make sure they are handled appropriately and in a timely manner, thus increasing the level of citizen service.</p> <p>Scheduling and Project Status: The goal is to implement the system in 2017.</p> | <p>Relationship to General Plan and Other Projects: This system would be implemented via SharePoint. Since many of these requests are handled by Public Works, which currently uses a work order system hosted in Mapfeeder, care must be taken to ensure the systems are linked in such a way as to provide visibility into Mapfeeder from any citizen request system.</p> <p>Effect on Annual Operations Costs:</p> |
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Project Category: Technology ERP

Project Title: Accelerated Laserfiche Implementation

Total Estimated Cost: \$30,000

Funding Priority: 3

Account Number:

Project Code:

Description:

Hiring an intern to aid in the accelerated implementation of Laserfiche, by learning how records must be organized and helping departments perform this critical step.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|-----------|------|------|------|------|
| IT Fund | \$ 30,000 | | | | |

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| <p>Justification:</p> <p>Accelerating the implementation of Laserfiche is a desire of several departments within the city, particularly with the possibility of the city building a new facility. It is felt that, the more records are digitized, the fewer will have to be transferred to the new facility. The primary obstacle to further implementation is the staff time required to organize and prepare files, and perform the necessary scanning and correction. Hiring an intern to aid in this process, by learning how records must be organized and helping departments perform this critical step, will ease the burden and facilitate the process.</p> <p>Scheduling and Project Status:</p> <p>This process is expected to begin in 2017 and be substantially completed before city staff moves to any new facility.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>Would aid departments in meeting their process automation goals and facilitate moving to a new city facility if one is built.</p> <p>Effect on Annual Operations Costs:</p> <p>Once the project is complete, there would be no effect on annual operating costs.</p> |
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Project Category: Technology ERP
Project Title: Agenda Management
Total Estimated Cost: \$9,000 plus annual subscription
Funding Priority: 1
Account Number: 101-1314-635100
Project Code:

Description:
 Implement a paperless system for creating Council/Commission memos, meeting packets and minutes. This system would create documents and allow them to be proofed, edited, and organized electronically and posted on the City web site for the employees & public to view.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|----------|------|------|------|
| IT Fund | | \$ 9,000 | | | |

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| <p>Justification:</p> <p>The goal is to both streamline and standardize internal agenda creation processes, make agendas more transparent as they are created, as well as make them more accessible and useful to the public and to the city's legislative bodies. The system has the potential to save significant staff time throughout the city, and will provide greater service to the community.</p> <p>Scheduling and Project Status:</p> <p>The goal is to implement the system in 2017 and provide document templates for use in the system. Training would be provided to individuals and it would be used city-wide for council meeting items and packets and Commissions that would take advantage of using the system.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>Integration with the city's video storage is not considered crucial to this project, though that functionality may be considered if it doesn't increase the cost significantly.</p> <p>The creation of the council agenda is an internal process that is independent of the use of an electronic means of using the agenda by the City Council or the city's various commissions.</p> <p>Effect on Annual Operations Costs:</p> <p>Annual operating costs for such a system depend on the vendor and the type of system implemented. Cost estimates have ranged from \$400-1,200 per month, with cloud-based systems in the \$400-\$700 per month range. An estimate of \$9,000 annually would be incurred in the General Fund.</p> |
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Project Category: Technology ERP

Project Title: Mobile Device Management

Total Estimated Cost: \$8,000

Funding Priority: 3

Account Number: 101-1314-635100

Project Code:

Description:

A system to enable the maintenance and protection of data stored on mobile devices. If a device is lost or stolen, the city would have the ability to locate, disable, and/or erase the device in order to preserve the security of its systems.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|----------|------|------|------|
| IT Fund | | \$ 8,000 | | | |

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| <p>Justification:</p> <p>As technology has improved, and systems have become more capable, there is increasing interest in enabling users to have access to city data via mobile technology. This access may include simple remote access to network resources through the use of VPNs, more sophisticated, web-enabled access front-ends to systems, or the increased use of cloud-based services.</p> <p>The ability to get this kind of access does present some issues that must be overcome, including the management of mobile devices. The city needs to have the ability to control the type of data that is stored on mobile devices to remain in regulatory compliance. Also, if a device is lost or stolen the city needs to have the ability to locate, disable, and/or erase the device in order to preserve the security of its systems. CJIS Security Policy requires the use of Mobile Device Management for covered mobile devices.</p> <p>Scheduling and Project Status:</p> <p>System would be implemented in 2018. *Initially requested for 2017.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>Increased mobile access to city systems requires that the city be able to manage the devices that access those systems. This project will facilitate these mobile projects.</p> <p>Effect on Annual Operations Costs:</p> <p>Given their nature, Mobile Device Management systems are typically subscriptions that are licensed based upon the number of users or devices covered. Based on the number of tablets, smartphones and laptops currently in use in the city, and on average pricing of such services, it is estimated that full implementation would cost approximately \$8,000 per year.</p> <p>An estimate of \$8,000 annually would be incurred by our Information Technology division.</p> |
|---|---|

Project Category: Technology ERP
Project Title: Applicant Tracking System
Total Estimated Cost: \$9,000
Funding Priority: 3
Account Number: 409-1314-621130
Project Code:

Description:
 System to assist in reducing time to hire, tracking and monitoring the progress of applicants, and performing necessary reporting and data analysis.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|----------|------|------|------|
| IT Fund | | \$ 9,000 | | | |

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| <p>Justification:</p> <p>The system assists in reducing time to hire and automating paperless processes, assist with generating communications and workflows. Includes tracking and monitoring the progress of applicants, and performing necessary reporting and data analysis.</p> <p>The system can be expanded in the future to include employee on-boarding and performance management.</p> <p>Scheduling and Project Status:</p> <p>Implementation would take approximately six weeks of 10-15 hours per week to train on-line and install the system.</p> <p>System would be implemented in 2018. *Initially requested for 2017.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>System can be synced with payroll and finance systems to eliminate redundancies, improve efficiencies and provide better information and communication to the applicant.</p> <p>Effect on Annual Operations Costs:</p> <p>The system has a yearly subscription cost of \$4,000. Any expansion of the system for onboarding or performance management may result in additional cost in out years.</p> <p>An estimate of \$900 annually would be incurred by our Human Resource division.</p> |
|--|--|

Project Category: Technology ERP
Project Title: Assessing Technology in the Field
Total Estimated Cost: \$2,000
Funding Priority: 2
Account Number: 409-1314-621120
Project Code:

Description:
 Enable Assessing staff to access systems from field.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|----------|------|------|------|
| IT Fund | \$ 0 | \$ 2,000 | \$ 0 | \$ 0 | \$ 0 |

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| <p>Justification: Anoka County is planning to implement a new Assessing system in 2017. This new system will allow staff to record their field work directly into the system with the use of tablets.</p> <p>Scheduling and Project Status: If the County stays on schedule with a 2017 go-live for the new assessing system our goal would be to use tablets for the 2018 assessment season with the devices ready by March of 2018.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>Effect on Annual Operations Costs: Monthly wireless internet fees will incur with this implementation.</p> |
|---|--|

Project Category: Buildings CIP
Project Title: Fire Station 2 & 3 Building Repairs
Total Estimated Cost: \$ 25,000
Funding Priority: 2
Account Number: 405-2510-xxxxxx
2017 Project Number: 405-17-487
Reimbursements: None
Design and Inspection: Fire Department
Payroll Logged to Project: Fire Department

Description:
 This project funds maintenance of Fire Stations 2 & 3.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|-----------|------|------|------|------|
| Capital Improvement Fund | \$ 25,000 | | | | |

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| <p>Justification:</p> <p>This project consists of repairing or replacing damaged building components including replacing inefficient lighting in the apparatus bays.</p> <p>Scheduling and Project Status:</p> <p>This project is proposed to be designed and completed in 2017.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This project is stand alone, and will improve functionality of the fire department facilities.</p> <p>Effect on Annual Operations Costs:</p> <p>The project is anticipated to have some impact on annual operations costs as they relate to power consumption.</p> |
|--|---|

Project Category: Buildings CIP
Project Title: Fire Station 2 & 3 Building Repairs
Total Estimated Cost: \$ 2,000
Funding Priority: 2
Account Number: 405-2510-xxxxxx
2017 Project Number:
Reimbursements: None
Design and Inspection: Fire Department
Payroll Logged to Project: Fire Department

Description:
 This project funds maintenance of Fire Stations 2 & 3.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|----------|------|------|------|------|
| Capital Improvement Fund | \$ 2,000 | | | | |

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| <p>Justification: This project consists of painting the interior living quarters and replacing carpet in Stations 2 and 3.</p> <p>Scheduling and Project Status: This project is proposed to be designed and completed in 2017.</p> | <p>Relationship to General Plan and Other Projects: This project is stand alone, and will improve functionality of the fire department facilities.</p> <p>Effect on Annual Operations Costs: none</p> |
|---|---|

Project Category: Buildings CIP

Project Title: Civic Complex

Total Estimated Cost: \$ 50,000,000

Funding Priority: 1

Account Number:

2017 Project Number:

Reimbursements: None

Design and Inspection: Architect and Construction Manager with Coordination from Various Departments

Payroll Logged to Project: None

Description:
This project represents the relocation and expansion of the Fridley Municipal Center and Public Works Facility and combining into one campus.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|--------------|------|------|------|------|
| Capital Building Fund | \$50,000,000 | | | | |

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| <p>Justification:</p> <p>This project represents the relocation and expansion of the Fridley Municipal Center and Public Works facilities to the former Columbia Arena site.</p> <p>This project provides for the long-term space needs so that the City can remain functionally viable for the coming decades.</p> <p>Scheduling and Project Status:</p> <p>Preliminary design work began in 2016 and will be included with the total project costs (\$1,250,000). Completion is planned for the end of 2018</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This is a stand-alone project, but defers prior projects for the existing Municipal Center and Public Works facilities that were budgeted in 2014. In addition, this project would supersede existing site renovation and retrofit projects. The deferred projects and renovation projects total \$30,703,000 (2018 dollars).</p> <p>Effect on Annual Operations Costs:</p> <p>The project would have a substantial impact upon the day-to-day efficiency of the operation of the City of Fridley, and provide an improved level of service to the city's constituents.</p> |
|---|--|

Project Category: Building ERP

Project Title: Fridley Community Center
Furnishings and Fixtures

Total Estimated Cost: \$ 25,000

Funding Priority: 3

Account Number: 405-4100-xxxxxx

2016 Project Number: 405-16-

Reimbursements: None

Design and Inspection: Recreation Department

Payroll Logged to Project: Recreation Department

Description:

This project funds replacement of indoor and outdoor fixtures and furnishings at the Fridley Community Center.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|----------|----------|------|------|------|
| Capital Improvement Fund | \$ 5,000 | \$ 5,000 | | | |

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| <p>Justification:</p> <p>This multi-year project consists of replacement of indoor and outdoor fixtures and furnishings at the Fridley Community Center. Non-serviceable pieces will be selected for replacement.</p> <p>Scheduling and Project Status:</p> <p>2015 was the first year of a five year project.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This project is stand-alone.</p> <p>Effect on Annual Operations Costs:</p> <p>There will be a slight reduction in repair costs anticipated through this project.</p> <p>The project will be administered and coordinated by the Recreation Department.</p> |
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Project Category: Parks CIP

Project Title: Court Surfacing and Overlays

Total Estimated Cost: \$ 166,000

Funding Priority: 2

Account Number: 407-3172-xxxxxx

2016 Project Number: 407-16-902

Reimbursements: Parks Reserve Fund and/or USTA funds

Design and Inspection: Recreation Department and Public Works Parks Maintenance Division

Payroll Logged to Project: Public Works Parks Maintenance Division

Description:

This project involves resurfacing of tennis and basketball courts.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|----------|----------|----------|----------|----------|
| Parks Reserve Funding | \$32,000 | \$32,000 | \$32,000 | \$35,000 | \$35,000 |

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| <p>Justification:</p> <p>Court resurfacing is needed on the City's basketball and tennis courts with a color coating material. Color coating material needs to be reapplied every 3-4 years in order to keep the courts in acceptable playing condition.</p> <p>Scheduling and Project Status:</p> <p>Courts to be color coated are determined annually by the Park Maintenance Supervisor and the Parks and Recreation Director. Tennis court resurfacing is included. Also, some courts will require asphalt overlays or replacement of the asphalt surface</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This project is stand-alone.</p> <p>Effect on Annual Operations Costs:</p> <p>This project maintains operating costs at a consistent level.</p> |
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Project Category: Parks CIP

Project Title: Park Furnishings

Total Estimated Cost: \$ 60,000

Funding Priority: 2

Account Number: 407-3172-xxxxxx

2016 Project Number: 407-16-903

Reimbursements: Parks Reserve Fund

Design and Inspection: Recreation Department and Public Works Parks Maintenance Division

Payroll Logged to Project: Public Works Parks Maintenance Division

Description:

This project consists of selective replacement of picnic tables, park benches, signs, fences, and other fixtures throughout the City park system.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|-----------|-----------|-----------|-----------|----------|
| Parks Reserve Funding | \$ 12,000 | \$ 12,000 | \$ 12,000 | \$ 12,000 | \$12,000 |

| | |
|--|--|
| <p>Justification:</p> <p>This project consists of selective replacement of picnic tables, park benches, signs, fences, and other fixtures throughout City parks to maintain the quality and safety of City parks.</p> <p>Scheduling and Project Status:</p> <p>Fixture replacements are determined annually by the Park Maintenance Supervisor and the Parks and Recreation Director based on regular equipment inspections.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This project is stand-alone.</p> <p>Effect on Annual Operations Costs:</p> <p>This project maintains operating costs at a consistent level.</p> |
|--|--|

Project Category: Parks CIP
Project Title: Parking Lot Resurfacing
Total Estimated Cost: \$ 140,000
Funding Priority: 1
Account Number: 407-3172-xxxxxx
2016 Project Number: 407-16-464
Reimbursements: Parks Reserve Fund
Design and Inspection: Recreation Department and Public Works Parks Maintenance Division
Payroll Logged to Project: Recreation Department and Public Works Parks Maintenance Division

Description:
 This project is for the resurfacing of parking lot surfaces at Moore Lake Park.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|-----------|------|-----------|------|------|
| Parks Reserve Funding | \$ 90,000 | \$ 0 | \$ 50,000 | \$ 0 | \$ 0 |

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| <p>Justification: Parking lot surfaces at Moore Lake Park are in need of repair or replacement.</p> <p>Scheduling and Project Status: Two parking lot surfaces at Moore Lake Park will be addressed. The first project in 2017 and the second in 2019.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>Effect on Annual Operations Costs: This project maintains operating costs at a consistent level.</p> |
|--|--|

Project Category: Parks CIP
Project Title: SNC Boardwalk Replacement
Total Estimated Cost: \$ 15,000
Funding Priority: 2
Account Number: 407-3172-xxxxxx
2016 Project Number: 407-16-433
Reimbursements: Parks Reserve Fund
Design and Inspection: Recreation Department and Public Works Parks Maintenance Division
Payroll Logged to Project: Recreation Department and Public Works Parks Maintenance Division

Description:

This project constitutes work to repair and replace trails, bridges and boardwalks at Springbrook Nature Center.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|----------|----------|----------|------|------|
| Parks Reserve Funding | \$ 5,000 | \$ 5,000 | \$ 5,000 | \$ 0 | \$ 0 |

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| <p>Justification:</p> <p>This project includes replacement and repairs to the existing trails, bridges, and boardwalks at the Springbrook Nature Center. There are repairs and replacement needed to bring the boardwalks into safe condition.</p> <p>Scheduling and Project Status:</p> <p>Construction will be completed over a multi-year period.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>Segments will be replaced or repaired in 2017 - 2019.</p> <p>Effect on Annual Operations Costs:</p> <p>This project will reduce maintenance costs needed to repair existing trails, bridges and boardwalks.</p> |
|--|--|

Project Category: Parks ERP
Project Title: Security Cameras
Total Estimated Cost: \$ 60,000
Funding Priority: 1
Account Number: 407-3176-xxxxxx
2013 Project Number: 407-16-476
Reimbursements: Parks Reserve Fund
Design and Inspection: Recreation Department and Public Works Parks Maintenance Division
Payroll Logged to Project: Recreation Department and Public Works Parks Maintenance Division

Description:
 This project is providing security cameras at Commons, Community and Moore Lake Parks.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|-----------|------|------|------|------|
| Parks Reserve Funding | \$ 30,000 | \$ 0 | \$ 0 | \$ 0 | \$ 0 |

NOTE: Prior years approved budgets have been reserved for completion of this project

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| <p>Justification:</p> <p>Increasing vandalism and graffiti at larger parks requires improved security measures.</p> <p>Scheduling and Project Status:</p> <p>Installation of the security cameras in 2016 and 2017</p> | <p>Relationship to General Plan and Other Projects:</p> <p>Security cameras for Commons, Community, Moore Lake, Madsen and Flanery Parks.</p> <p>Effect on Annual Operations Costs:</p> <p>This project maintains operating costs at a consistent level. May reduce maintenance costs with lower vandalism and graffiti issues.</p> |
|--|---|

Project Category: Parks CIP

Project Title: Playground Equipment Replacement

Total Estimated Cost: \$ 610,000

Funding Priority: 1

Account Number: 407-3172-xxxxxx

2016 Project Number: 407-46-493

Reimbursements: Parks Reserve Fund

Design and Inspection: Recreation Department and Public Works Parks Maintenance Division

Payroll Logged to Project: Recreation Department and Public Works Parks Maintenance Division

Description:

This project includes the replacement installation of children’s playground equipment in the neighborhood parks.



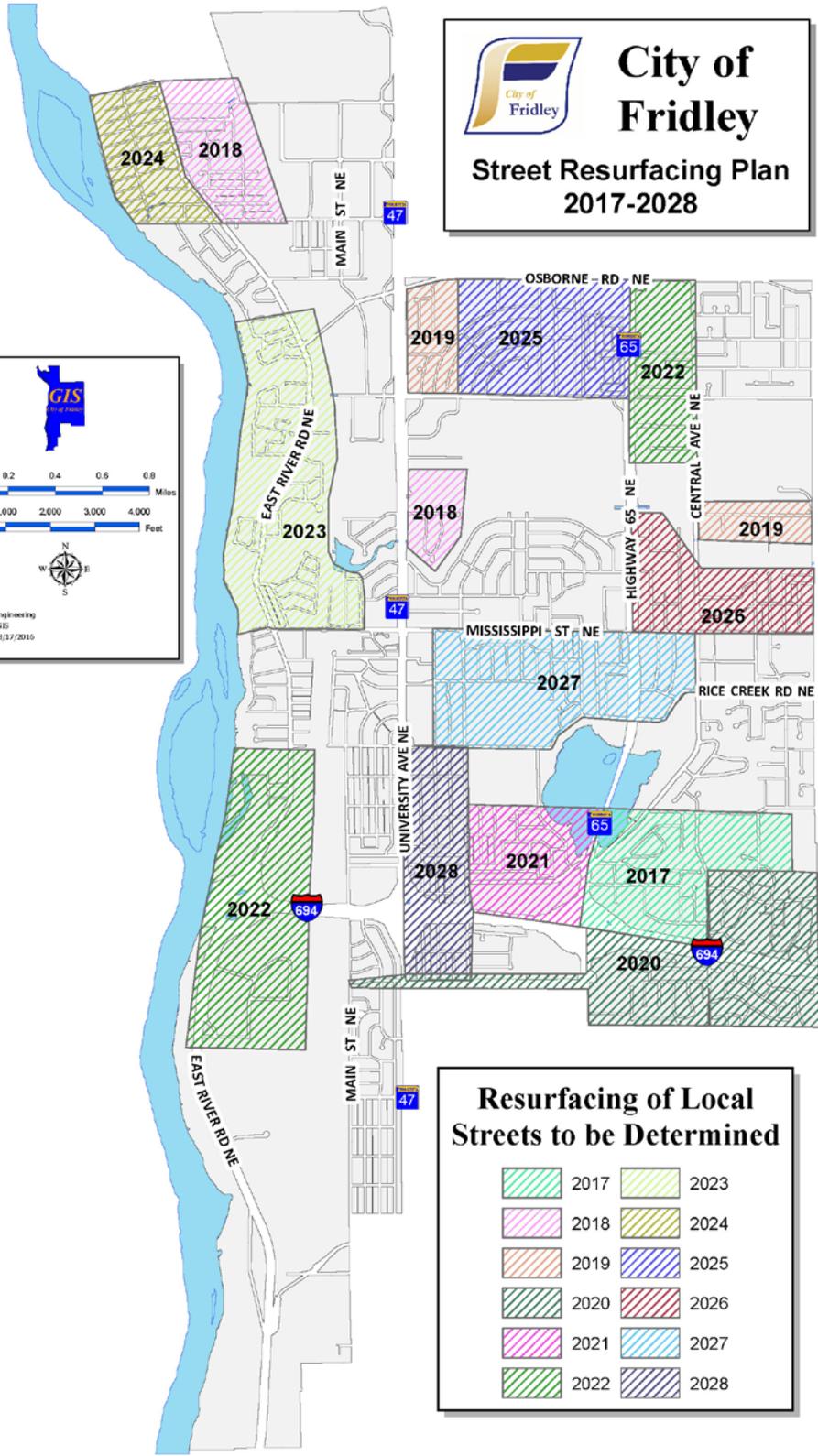
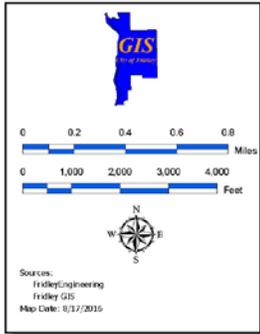
| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|-----------|------------|------------|------------|-----------|
| Parks Reserve Funding | \$ 80,000 | \$ 115,000 | \$ 115,000 | \$ 150,000 | \$150,000 |

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| <p>Justification:</p> <p>Playground equipment in the neighborhood parks will need some upgrading and replacement to keep the parks attractive and as a useful recreation outlet for pre-school and elementary age children.</p> <p>Scheduling and Project Status:</p> <p>Annual installations through 2021 and beyond.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>The project adds playground equipment to neighborhood parks as determined by the Parks and Recreation Director and the Parks Maintenance Division Supervisor.</p> <p>Effect on Annual Operations Costs:</p> <p>This project maintains operating costs at a consistent level.</p> |
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City of Fridley

Street Resurfacing Plan 2017-2028



Resurfacing of Local Streets to be Determined

| | | | |
|--|------|--|------|
| | 2017 | | 2023 |
| | 2018 | | 2024 |
| | 2019 | | 2025 |
| | 2020 | | 2026 |
| | 2021 | | 2027 |
| | 2022 | | 2028 |

\\fridley\share\GIS\Projects\GIS\MapServer\resurfacing\resurfacing\resurfacing\Plan_2017-2028.mxd Date: 8/17/2016

Project Category: Streets CIP

Project Title: Street Rehabilitation Project
ST2017-01

Total Estimated Cost: \$ 770,000

Funding Priority: 1

Account Number: 406-3174-638180

2017 Project Number: 406-17-01

Reimbursements: Municipal State Aid

Design and Inspection: Engineering Staff

Payroll Logged to Project: Public Works Department Engineering Division

Description:

This project involves the reclamation of various street segments and minor repairs to utilities on various streets in the Parkview and North Park neighborhoods.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|-------------|------|------|------|------|
| Municipal State Aid | \$ 770,000* | | | | |

*Special Assessments estimated at \$560,000 to reimbursement to the Street Reserve Fund as collected.

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| <p>Justification:</p> <p>This project is included in the City’s long-range pavement management plan. Bi-annual road ratings have identified candidate segments based on condition. Other considerations include age, coordination with other projects, and upgrades needed.</p> <p>Scheduling and Project Status:</p> <p>This project is presently scheduled for 2017 construction. Preliminary design, workshop, and assessment hearing is planned to occur upon preliminary CIP approval in 2016.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This project is consistent with the street pavement preservation program.</p> <p>Sewer, storm sewer, and water system surveys will need to be completed prior to plan development to determine the extent of repairs needed on the city’s utility systems. These costs are approximated in the above estimates.</p> <p>This project will be coordinated with CenterPoint Energy and other private utilities in regard to replacement of their aging systems.</p> <p>Effect on Annual Operations Costs:</p> <p>This project will reduce operating costs relating to street and utility maintenance in the project area.</p> |
|---|---|

Project Category: Streets CIP

Project Title: Street Rehabilitation Project
ST2018-01

Total Estimated Cost: \$ 850,000

Funding Priority: 1

Account Number: 406-3174-638180

2018 Project Number: 406-18-01

Reimbursements: Municipal State Aid

Design and Inspection: Engineering Staff

Payroll Logged to Project: Public Works Department Engineering Division

Description:

This project involves the reclamation of various street segments and minor repairs to utilities in the Springbrook and Holiday Hills neighborhoods.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|-------------|------|------|------|
| Municipal State Aid | | \$ 850,000* | | | |

*Special Assessments estimated at \$580,000 to reimbursement to the Street Reserve Fund as collected.

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| <p>Justification:</p> <p>This project is included in the City’s long-range pavement management plan. Bi-annual road ratings have identified candidate segments based on condition. Other considerations include age, coordination with other projects, and upgrades needed.</p> <p>Scheduling and Project Status:</p> <p>This project is presently scheduled for 2018 construction. Preliminary design, workshop, and assessment hearing is planned to occur upon preliminary CIP approval in 2017.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This project is consistent with the street pavement preservation program.</p> <p>Sewer, storm sewer, and water system surveys will need to be completed prior to plan development to determine the extent of repairs needed on the city’s utility systems. These costs are approximated in the above estimates.</p> <p>This project will be coordinated with CenterPoint Energy and other private utilities in regard to replacement of their aging systems.</p> <p>Effect on Annual Operations Costs:</p> <p>This project will reduce operating costs relating to street and utility maintenance in the project area.</p> |
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Project Category: Streets CIP

Project Title: Street Rehabilitation Project
ST2019-01

Total Estimated Cost: \$ 910,000

Funding Priority: 1

Account Number: 406-3174-638180

2019 Project Number: 406-19-01

Reimbursements: Municipal State Aid

Design and Inspection: Engineering Staff

Payroll Logged to Project: Public Works Department Engineering Division

Description:

This project involves the reclamation of various street segments and minor repairs to utilities on 69th Avenue east of Central Avenue (deferred from 2015), and western Melody Manor neighborhood.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|------|-------------|------|------|
| Municipal State Aid | | | \$ 910,000* | | |

*Special Assessments estimated at \$580,000 to reimbursement to the Street Reserve Fund as collected.

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| <p>Justification:</p> <p>This project is included in the City’s long-range pavement management plan. Bi-annual road ratings have identified candidate segments based on condition. Other considerations include age, coordination with other projects, and upgrades needed.</p> <p>Scheduling and Project Status:</p> <p>This project is presently scheduled for 2019 construction. Preliminary design, workshop, and assessment hearing is planned to occur upon preliminary CIP approval in 2018.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This project is consistent with the street pavement preservation program.</p> <p>Sewer, storm sewer, and water system surveys will need to be completed prior to plan development to determine the extent of repairs needed on the city’s utility systems. These costs are approximated in the above estimates.</p> <p>This project will be coordinated with CenterPoint Energy and other private utilities in regard to replacement of their aging systems.</p> <p>Effect on Annual Operations Costs:</p> <p>This project will reduce operating costs relating to street and utility maintenance in the project area.</p> |
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Project Category: Streets CIP

Project Title: Street Rehabilitation Project
ST2020-01

Total Estimated Cost: \$ 750,000

Funding Priority: 1

Account Number: 406-3174-638180

2020 Project Number: 406-20-01

Reimbursements: Municipal State Aid

Design and Inspection: Engineering Staff

Payroll Logged to Project: Public Works Department Engineering Division

Description:

This project involves the rehabilitation of various concrete street segments and minor repairs to utilities in the Black Forest, North Innsbruck, and South Innsbruck neighborhoods.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|------|------|-------------|------|
| Municipal State Aid | | | | \$ 750,000* | |

*Special Assessments estimated at \$580,000 to reimbursement to the Street Reserve Fund as collected.

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| <p>Justification:</p> <p>This project is included in the City’s long-range pavement management plan. Bi-annual road ratings have identified candidate segments based on condition. Other considerations include age, coordination with other projects, and upgrades needed.</p> <p>Scheduling and Project Status:</p> <p>This project is presently scheduled for 2020 construction. Preliminary design, workshop, and assessment hearing is planned to occur upon preliminary CIP approval in 2019.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This project is consistent with the street pavement preservation program.</p> <p>Sewer, storm sewer, and water system surveys will need to be completed prior to plan development to determine the extent of repairs needed on the city’s utility systems. These costs are approximated in the above estimates.</p> <p>This project will be coordinated with CenterPoint Energy and other private utilities in regard to replacement of their aging systems.</p> <p>Effect on Annual Operations Costs:</p> <p>This project will reduce operating costs relating to street and utility maintenance in the project area.</p> |
|---|---|

Project Category: Streets CIP

Project Title: Street Rehabilitation Project
ST2021-01

Total Estimated Cost: \$ 930,000

Funding Priority: 1

Account Number: 406-3174-638180

2021 Project Number: 406-21-01

Reimbursements: Municipal State Aid

Design and Inspection: Engineering Staff

Payroll Logged to Project: Public Works Department Engineering Division

Description:

This project involves the rehabilitation of various concrete street segments and minor repairs to utilities in the Lakeview neighborhood.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|------|------|------|-------------|
| Municipal State Aid | | | | | \$ 930,000* |

*Special Assessments estimated at \$630,000 to reimbursement to the Street Reserve Fund as collected.

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| <p>Justification:</p> <p>This project is included in the City’s long-range pavement management plan. Bi-annual road ratings have identified candidate segments based on condition. Other considerations include age, coordination with other projects, and upgrades needed.</p> <p>Scheduling and Project Status:</p> <p>This project is presently scheduled for 2021 construction. Preliminary design, workshop, and assessment hearing is planned to occur upon preliminary CIP approval in 2020.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This project is consistent with the street pavement preservation program.</p> <p>Sewer, storm sewer, and water system surveys will need to be completed prior to plan development to determine the extent of repairs needed on the city’s utility systems. These costs are approximated in the above estimates.</p> <p>This project will be coordinated with CenterPoint Energy and other private utilities in regard to replacement of their aging systems.</p> <p>Effect on Annual Operations Costs:</p> <p>This project will reduce operating costs relating to street and utility maintenance in the project area.</p> |
|---|---|

Project Category: Streets CIP

Project Title: Street Sealing Program, Project ST2017-10 (Chip Sealing)

Total Estimated Cost: \$ 235,000

Funding Priority: 2

Account Number: 406-3174-635100 Not Capitalized

2017 Project Number: 406-17-10

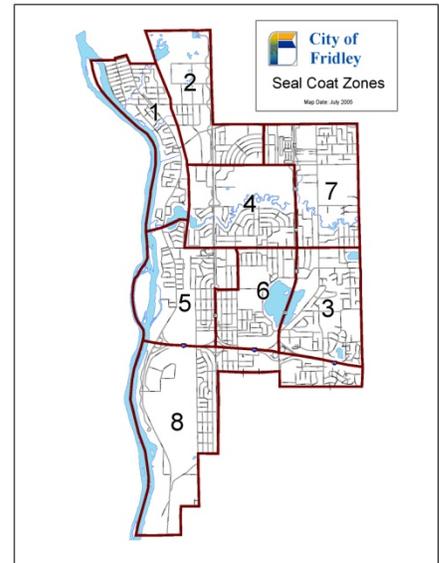
Reimbursements: Street Reserve Fund

Design and Inspection: Engineering Staff, Consultant through JPA

Payroll Logged to Project: Public Works Department Engineering and Street Divisions

Description:

This project involves street sealing to extend pavement service life. Chip sealing is included in Area 8, which is generally south of I-694.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------------|------|------|------|------|
| Street Reserve Funding | \$ 235,000 | | | | |

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| <p>Justification:</p> <p>This project includes chip sealing of City streets on an eight-year rotation for pavement preservation purposes. The project for 2017 includes Area 8, south of I-694.</p> <p>Scheduling and Project Status:</p> <p>This project is presently scheduled for bidding and construction in 2017. The project is bid out as part of a nine-city JPA project administered by the City of Coon Rapids. Bids are requested in February of each construction year for the work.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This work is coordinated with resurfacing plans to avoid sealing streets that are scheduled for reconstruction in the near term.</p> <p>Effect on Annual Operations Costs:</p> <p>This project reduces operating costs relating to maintaining pavement in this area over the long-term.</p> |
|--|---|

Project Category: Streets CIP

Project Title: Street Sealing Program, Project ST2018-10 (Chip Sealing)

Total Estimated Cost: \$ 250,000

Funding Priority: 2

Account Number: 406-3174-635100 Not Capitalized

2018 Project Number: 406-18-10

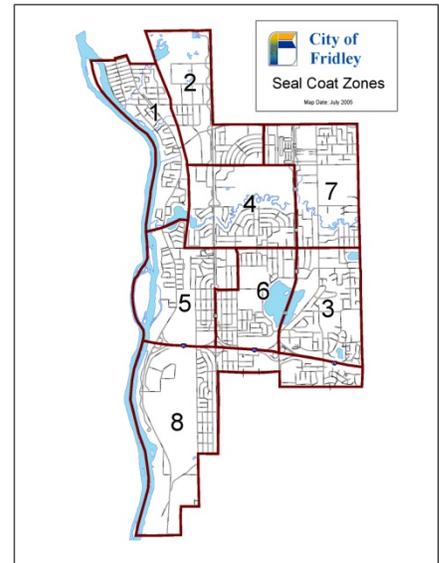
Reimbursements: Street Reserve Fund

Design and Inspection: Engineering Staff, Consultant through JPA

Payroll Logged to Project: Public Works Department Engineering and Street Divisions

Description:

This project involves street sealing to extend pavement service life. Chip sealing is included in Area 1, in the northwest area of Fridley.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|------------|------|------|------|
| Street Reserve Funding | | \$ 250,000 | | | |

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|--|---|
| <p>Justification:</p> <p>This project includes chip sealing of City streets on an eight-year rotation for pavement preservation purposes. The project for 2018 includes Area 1, in the northwest area of Fridley.</p> <p>Scheduling and Project Status:</p> <p>This project is presently scheduled for bidding and construction in 2018. The project is bid out as part of a nine-city JPA project administered by the City of Coon Rapids. Bids are requested in February of each construction year for the work.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This work is coordinated with resurfacing plans to avoid sealing streets that are scheduled for reconstruction in the near term.</p> <p>Effect on Annual Operations Costs:</p> <p>This project reduces operating costs relating to maintaining pavement in this area over the long-term.</p> |
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Project Category: Streets CIP

Project Title: Street Sealing Program, Project ST2019-10 (Chip Sealing)

Total Estimated Cost: \$ 265,000

Funding Priority: 2

Account Number: 406-3174-635100 Not Capitalized

2019 Project Number: 406-19-10

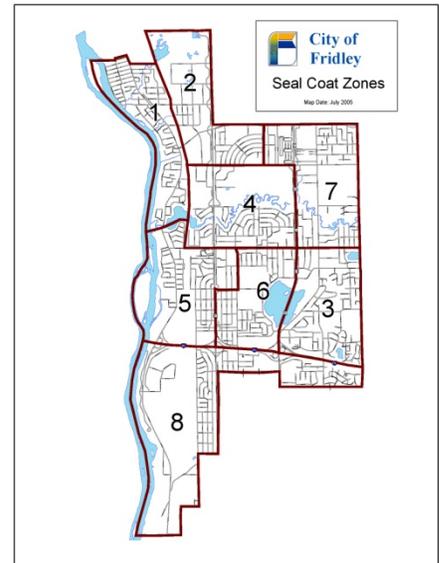
Reimbursements: Street Reserve Fund

Design and Inspection: Engineering Staff, Consultant through JPA

Payroll Logged to Project: Public Works Department Engineering and Street Divisions

Description:

This project involves street sealing to extend pavement service life. Chip sealing is included in Area 2, generally in the north area of Fridley.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|------|------------|------|------|
| Street Reserve Funding | | | \$ 265,000 | | |

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| <p>Justification:</p> <p>This project includes chip sealing of City streets on an eight-year rotation for pavement preservation purposes. The project for 2019 includes Area 2, generally in the north area of Fridley.</p> <p>Scheduling and Project Status:</p> <p>This project is presently scheduled for bidding and construction in 2019. The project is bid out as part of a nine-city JPA project administered by the City of Coon Rapids. Bids are requested in February of each construction year for the work.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This work is coordinated with resurfacing plans to avoid sealing streets that are scheduled for reconstruction in the near term.</p> <p>Effect on Annual Operations Costs:</p> <p>This project reduces operating costs relating to maintaining pavement in this area over the long-term.</p> |
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Project Category: Streets CIP

Project Title: Street Sealing Program, Project ST2020-10 (Chip Sealing)

Total Estimated Cost: \$ 275,000

Funding Priority: 2

Account Number: 406-3174-635100 Not Capitalized

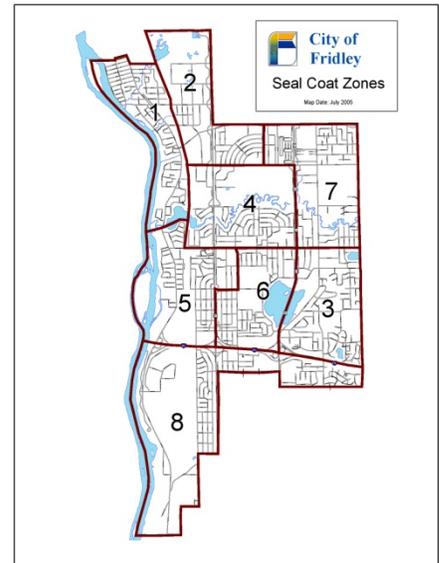
2020 Project Number: 406-20-10

Reimbursements: Street Reserve Fund

Design and Inspection: Engineering Staff, Consultant through JPA

Payroll Logged to Project: Public Works Department Engineering and Street Divisions

Description:
 This project involves street sealing to extend pavement service life. Chip sealing is included in Area 3, generally in the southeast area of Fridley.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|------|------|------------|------|
| Street Reserve Funding | | | | \$ 275,000 | |

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| <p>Justification:</p> <p>This project includes chip sealing of City streets on an eight-year rotation for pavement preservation purposes. The project for 2020 includes Area 3, generally in the southeast area of Fridley.</p> <p>Scheduling and Project Status:</p> <p>This project is presently scheduled for bidding and construction in 2020. The project is bid out as part of a nine-city JPA project administered by the City of Coon Rapids. Bids are requested in February of each construction year for the work.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This work is coordinated with resurfacing plans to avoid sealing streets that are scheduled for reconstruction in the near term.</p> <p>Effect on Annual Operations Costs:</p> <p>This project reduces operating costs relating to maintaining pavement in this area over the long-term.</p> |
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Project Category: Streets CIP

Project Title: Street Sealing Program, Project ST2021-10 (Chip Sealing)

Total Estimated Cost: \$ 275,000

Funding Priority: 2

Account Number: 406-3174-635100 Not Capitalized

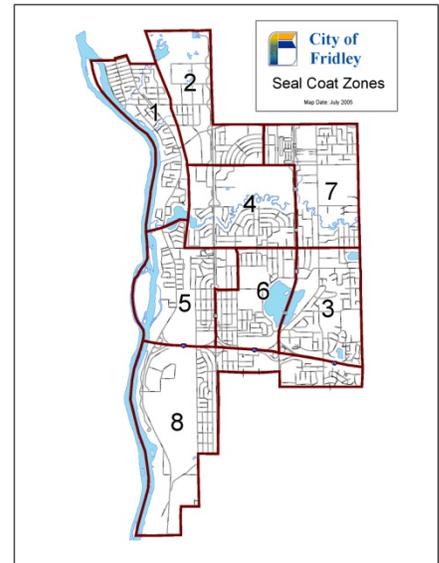
2021 Project Number: 406-21-10

Reimbursements: Street Reserve Fund

Design and Inspection: Engineering Staff, Consultant through JPA

Payroll Logged to Project: Public Works Department Engineering and Street Divisions

Description:
 This project involves street sealing to extend pavement service life. Chip sealing is included in Area 4, generally in the central area of Fridley.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|------|------|------|------------|
| Street Reserve Funding | | | | | \$ 275,000 |

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| <p>Justification:</p> <p>This project includes chip sealing of City streets on an eight-year rotation for pavement preservation purposes. The project for 2021 includes Area 4, generally in the central area of Fridley.</p> <p>Scheduling and Project Status:</p> <p>This project is presently scheduled for bidding and construction in 2021. The project is bid out as part of a nine-city JPA project administered by the City of Coon Rapids. Bids are requested in February of each construction year for the work.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This work is coordinated with resurfacing plans to avoid sealing streets that are scheduled for reconstruction in the near term.</p> <p>Effect on Annual Operations Costs:</p> <p>This project reduces operating costs relating to maintaining pavement in this area over the long-term.</p> |
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Project Category: Streets CIP

Project Title: Street Sealing Program, Project ST2017-10 (Crack Sealing)

Total Estimated Cost: \$ 35,000

Funding Priority: 2

Account Number: 406-3174-635100 Not Capitalized

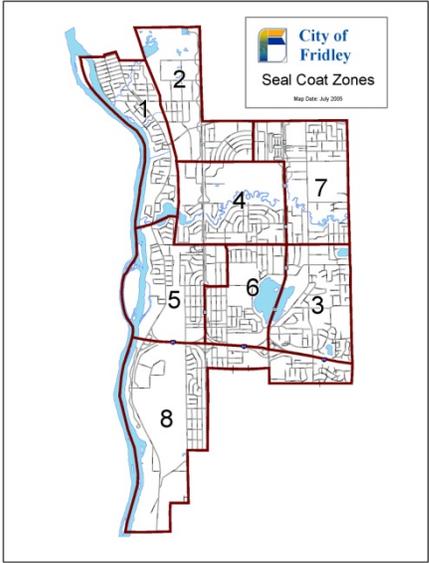
2017 Project Number: 406-17-10

Reimbursements: Street Reserve Fund

Design and Inspection: Engineering Staff, Consultant through JPA

Payroll Logged to Project: Public Works Department Engineering and Street Divisions

Description:
 This project involves routing and sealing of cracks to extend pavement service life. Rubberized crack sealing will be performed in Area 8, and on other selected streets.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|-----------|------|------|------|------|
| Street Reserve Funding | \$ 35,000 | | | | |

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| <p>Justification:</p> <p>This project includes crack sealing of City streets in order to prolong the life of newer pavement. With the limitations on staff time and large mileage of street rehabilitation projects in recent years, staff is unable to keep up with all crack sealing.</p> <p>Scheduling and Project Status:</p> <p>This project is presently scheduled for bidding and construction in 2017. The project is bid out as part of a nine-city JPA project administered by the City of Coon Rapids. Bids are requested in February of each construction year for the work.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This work is performed on streets that are to be chip sealed (Area 8), and other streets that have been paved within the past five years. This project augments sealing work performed by our maintenance crews, who along cannot seal the optimum mileage in a given season.</p> <p>Effect on Annual Operations Costs:</p> <p>This project reduces operating costs relating to maintaining pavement in this area over the long-term.</p> |
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Project Category: Streets CIP

Project Title: Street Sealing Program, Project ST2018-10 (Crack Sealing)

Total Estimated Cost: \$ 35,000

Funding Priority: 2

Account Number: 406-3174-635100 Not Capitalized

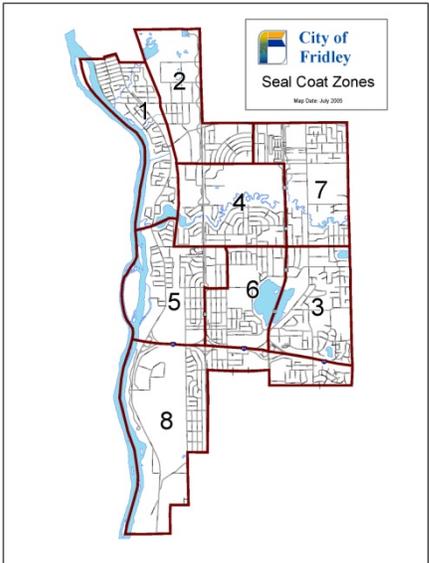
2018 Project Number: 406-18-10

Reimbursements: Street Reserve Fund

Design and Inspection: Engineering Staff, Consultant through JPA

Payroll Logged to Project: Public Works Department Engineering and Street Divisions

Description:
 This project involves routing and sealing of cracks to extend pavement service life. Rubberized crack sealing will be performed in Area 1, and on other selected streets.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|-----------|------|------|------|
| Street Reserve Funding | | \$ 35,000 | | | |

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| <p>Justification:</p> <p>This project includes crack sealing of City streets in order to prolong the life of newer pavement. With the limitations on staff time and large mileage of street rehabilitation projects in recent years, staff is unable to keep up with all crack sealing.</p> <p>Scheduling and Project Status:</p> <p>This project is presently scheduled for bidding and construction in 2018. The project is bid out as part of a nine-city JPA project administered by the City of Coon Rapids. Bids are requested in February of each construction year for the work.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This work is performed on streets that are to be chip sealed (Area 1), and other streets that have been paved within the past five years. This project augments sealing work performed by our maintenance crews, who along cannot seal the optimum mileage in a given season.</p> <p>Effect on Annual Operations Costs:</p> <p>This project reduces operating costs relating to maintaining pavement in this area over the long-term.</p> |
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Project Category: Streets CIP

Project Title: Street Sealing Program, Project ST2019-10 (Crack Sealing)

Total Estimated Cost: \$ 35,000

Funding Priority: 2

Account Number: 406-3174-635100 Not Capitalized

2019 Project Number: 406-19-10

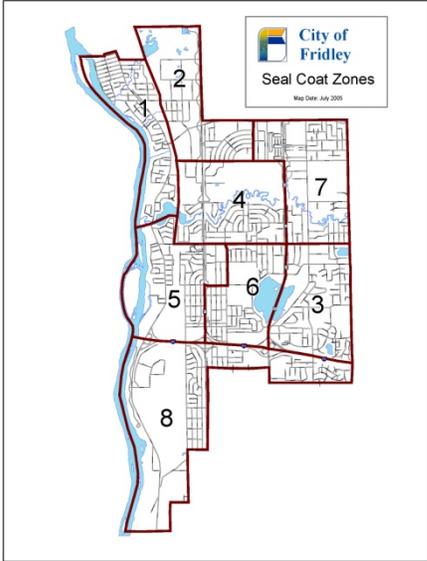
Reimbursements: Street Reserve Fund

Design and Inspection: Engineering Staff, Consultant through JPA

Payroll Logged to Project: Public Works Department Engineering and Street Divisions

Description:

This project involves routing and sealing of cracks to extend pavement service life. Rubberized crack sealing will be performed in Area 2, and on other selected streets.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|------|-----------|------|------|
| Street Reserve Funding | | | \$ 35,000 | | |

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| <p>Justification:</p> <p>This project includes crack sealing of City streets in order to prolong the life of newer pavement. With the limitations on staff time and large mileage of street rehabilitation projects in recent years, staff is unable to keep up with all crack sealing.</p> <p>Scheduling and Project Status:</p> <p>This project is presently scheduled for bidding and construction in 2019. The project is bid out as part of a nine-city JPA project administered by the City of Coon Rapids. Bids are requested in February of each construction year for the work.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This work is performed on streets that are to be chip sealed (Area 2), and other streets that have been paved within the past five years. This project augments sealing work performed by our maintenance crews, who along cannot seal the optimum mileage in a given season.</p> <p>Effect on Annual Operations Costs:</p> <p>This project reduces operating costs relating to maintaining pavement in this area over the long-term.</p> |
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Project Category: Streets CIP

Project Title: Street Sealing Program, Project ST2020-10 (Crack Sealing)

Total Estimated Cost: \$ 38,000

Funding Priority: 2

Account Number: 406-3174-635100 Not Capitalized

2020 Project Number: 406-20-10

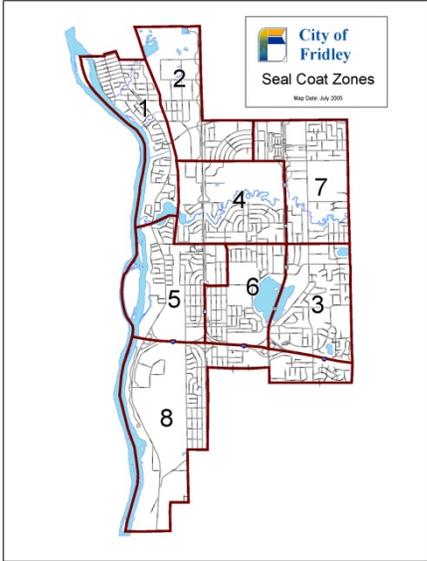
Reimbursements: Street Reserve Fund

Design and Inspection: Engineering Staff, Consultant through JPA

Payroll Logged to Project: Public Works Department Engineering and Street Divisions

Description:

This project involves routing and sealing of cracks to extend pavement service life. Rubberized crack sealing will be performed in Area 3, and on other selected streets.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|------|------|-----------|------|
| Street Reserve Funding | | | | \$ 38,000 | |

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| <p>Justification:</p> <p>This project includes crack sealing of City streets in order to prolong the life of newer pavement. With the limitations on staff time and large mileage of street rehabilitation projects in recent years, staff is unable to keep up with all crack sealing.</p> <p>Scheduling and Project Status:</p> <p>This project is presently scheduled for bidding and construction in 2020. The project is bid out as part of a nine-city JPA project administered by the City of Coon Rapids. Bids are requested in February of each construction year for the work.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This work is performed on streets that are to be chip sealed (Area 3), and other streets that have been paved within the past five years. This project augments sealing work performed by our maintenance crews, who along cannot seal the optimum mileage in a given season.</p> <p>Effect on Annual Operations Costs:</p> <p>This project reduces operating costs relating to maintaining pavement in this area over the long-term.</p> |
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Project Category: Streets CIP

Project Title: Street Sealing Program, Project ST2021-10 (Crack Sealing)

Total Estimated Cost: \$ 42,500

Funding Priority: 2

Account Number: 406-3174-635100 Not Capitalized

2020 Project Number: 406-21-10

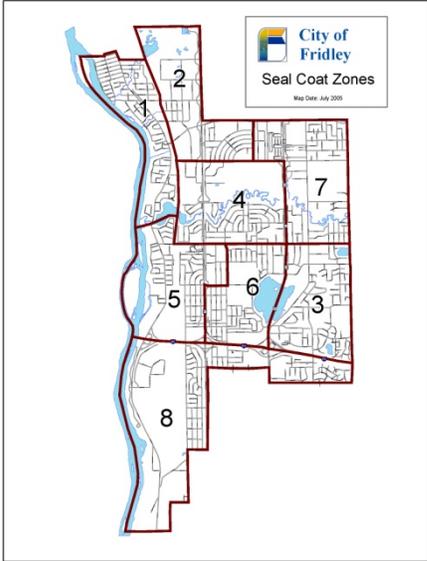
Reimbursements: Street Reserve Fund

Design and Inspection: Engineering Staff, Consultant through JPA

Payroll Logged to Project: Public Works Department Engineering and Street Divisions

Description:

This project involves routing and sealing of cracks to extend pavement service life. Rubberized crack sealing will be performed in Area 3, and on other selected streets.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|------|------|------|-----------|
| Street Reserve Funding | | | | | \$ 42,500 |

Justification:

This project includes crack sealing of City streets in order to prolong the life of newer pavement. With the limitations on staff time and large mileage of street rehabilitation projects in recent years, staff is unable to keep up with all crack sealing.

Scheduling and Project Status:

This project is presently scheduled for bidding and construction in 2021. The project is bid out as part of a nine-city JPA project administered by the City of Coon Rapids. Bids are requested in February of each construction year for the work.

Relationship to General Plan and Other Projects:

This work is performed on streets that are to be chip sealed (Area 3), and other streets that have been paved within the past five years. This project augments sealing work performed by our maintenance crews, who along cannot seal the optimum mileage in a given season.

Effect on Annual Operations Costs:

This project reduces operating costs relating to maintaining pavement in this area over the long-term.

Project Category: Streets CIP

Project Title: Trail/Walk Upgrades

Total Estimated Cost: \$ 500,000 (over 5 years)

Funding Priority: 2

Account Number: 406-3174-635100 Not Capitalized

2016 Project Number: 406-16-20

Reimbursements: Street Reserve Fund

Design and Inspection: Engineering Staff

Payroll Logged to Project: Public Works Streets Maintenance Division

Description:

This project involves resurfacing and minor connectivity improvements for the City's walk and trail systems.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------------|------------|------------|------------|------------|
| Street Reserve Funding | \$ 100,000 | \$ 100,000 | \$ 100,000 | \$ 100,000 | \$ 100,000 |

NOTE: Prior years approved budgets have been reserved for completion of trails connecting Main Street Bridge project

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| <p>Justification:</p> <p>Trail and walk resurfacing is needed on the City's trail and walk system in order to keep preserve the condition of these systems. In addition, connections will be made where most cost-effective. Upgrades to current use standards, including ADA will be made where applicable.</p> <p>Scheduling and Project Status:</p> <p>Trails and walks to be color coated are determined annually by the Street Operations Manager and the Public Works Director. Also, some trails will require asphalt overlays or replacement of the asphalt surface.</p> <p>Candidate projects are as follows: 2016-17: Trail connection to 43rd Avenue on Main Street (in conjunction with overpass) 2018: West Moore Lake Trail match funding 2019: University Avenue north of Mississippi Street 2020: 53rd Avenue Connection University to Central 2021: 7th Street Extension, 57th Avenue and East Moore Lake Trail</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This project is stand-alone, and restoration will maintain current service levels. Service levels will be improved where system connections are made. The project is consistent with the City's Active Transportation Plan.</p> <p>Effect on Annual Operations Costs:</p> <p>This project maintains operating costs at a consistent level. Minor improvements to connectivity increase maintenance slightly, but these costs are offset by more efficient maintenance.</p> |
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Project Category: Streets CIP

Project Title: West Moore Lake Drive Trail and Resurfacing

Total Estimated Cost: \$ 560,000

Funding Priority: 2

Account Number: 406-3174-702100

2018 Project Number: 406-18-21

Reimbursements: Street Reserve Fund & Grants

Design and Inspection: Engineering Staff

Payroll Logged to Project: Public Works Streets Maintenance Division

Description:

This project involves providing connected shared use trail and bicycle lanes on West Moore Lake from 57th Avenue to Trunk Highway 65.

SP 127-315-0061

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|------------|------|------|------|
| Federal Highway Funds | | \$ 560,000 | | | |

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| <p>Justification:</p> <p>This project will provide additional network connectivity for pedestrians and cyclists from 57th Avenue to 61st Avenue and on West Moore Lake to Trunk Highway 65. This will provide improved access to the Fridley Middle School and High School, and provide for a circuit around Moore Lake.</p> <p>Scheduling and Project Status:</p> <p>The project has Federal Highway funds designated for 2018.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This project is stand-alone, will substantially improve service levels, including improved access to transit and livability improvements. The project is consistent with the City's Active Transportation Plan. A match of the Federal Funding is provided from our annual Trail/Walk Upgrades CIP item.</p> <p>Effect on Annual Operations Costs:</p> <p>Minor improvements to connectivity and added trail mileage will increase maintenance requirements slightly.</p> |
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Project Category: Streets CIP

Project Title: Street Lighting Upgrades/
Retrofit

Total Estimated Cost: \$ 200,000
(over 3 years including 2015)

Funding Priority: 2

Account Number:

Finance Project Number: XXXX

Reimbursements: Street Reserve Fund

Design and Inspection: Consultant and Engineering Staff

Payroll Logged to Project: Public Works Engineering Division

Description:

This project involves replacement and upgrades to the City's decorative lighting systems.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|-----------|------|------|------|------|
| Street Reserve Funding | \$ 90,000 | | | | |

NOTE: Prior years approved budgets have been reserved for completion of this project

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| <p>Justification:</p> <p>Decorative lighting systems, particularly on Mississippi Street, are beyond their useful life and have become extremely maintenance intensive. Long-term energy savings can be obtained through retrofit of these systems.</p> <p>Scheduling and Project Status:</p> <p>Analysis for cost-effective retrofits and design will be initiated in 2016, with construction in the subsequent year. Special assessments within benefiting districts will be considered to augment funding of this project.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This project is stand-alone, and the project will maintain current service levels.</p> <p>Effect on Annual Operations Costs:</p> <p>This project will reduce annual operation costs of maintenance and energy for these street lighting systems.</p> |
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Project Category: Streets CIP

Project Title: Traffic Signal Maintenance/Retrofits

Total Estimated Cost: \$ 420,000 (over 6 years)

Funding Priority: 2

Account Number:

Finance Project Number: XXXX

Reimbursements: Street Reserve Fund

Design and Inspection: Engineering Staff, Anoka County Highway Department, MNDOT

Payroll Logged to Project: Public Works Engineering Division

Description:

This project involves replacement and upgrades to traffic signals in the City of Fridley.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|-----------|------------|------------|-----------|-----------|
| Street Reserve Funding | \$ 20,000 | \$ 180,000 | \$ 180,000 | \$ 20,000 | \$ 20,000 |

NOTE: Prior years approved budgets have been reserved to complete this project

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| <p>Justification:</p> <p>Traffic signal systems require maintenance of coatings to extend their service life. The City of Fridley is generally required to maintain these coatings. This item includes anticipated traffic signal replacement projects in 2018 and 2019, which are cost shared with Anoka County and/or MNDOT.</p> <p>Scheduling and Project Status:</p> <p>Signal repainting at 3-4 traffic signal intersections per year is contemplated, along with signal replacements in 2018 (East River Road and Mississippi Street) and 2019 (TBD)</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This project is stand-alone, and the project will maintain current service levels.</p> <p>Effect on Annual Operations Costs:</p> <p>This project will reduce long-term costs by extending the service life of traffic signal systems.</p> |
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Project Category: Streets CIP

Project Title: Capital Signage Replacements

Total Estimated Cost: \$ 45,000 (over 5 years)

Funding Priority: 3

Account Number:

Finance Project Number: XXXX

Reimbursements: Street Reserve Fund

Design and Inspection: Engineering Staff

Payroll Logged to Project: Public Works Engineering Division

Description:

This project involves replacement of roadway signage, including those located on state and county highways.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|-----------|-----------|-----------|------|------|
| Street Reserve Funding | \$ 15,000 | \$ 15,000 | \$ 15,000 | | |

NOTE: Prior years approved budgets have been reserved to complete this project

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| <p>Justification:</p> <p>While the City of Fridley’s traffic signage system has recently been retrofit, guide and neighborhood signage is in need of replacement. Guide signage includes destination signage on state and county roads (typically large brown signs). The City is responsible for replacement of these signs.</p> <p>Scheduling and Project Status:</p> <p>Signs to be replaced are determined annually by the Street Maintenance Supervisor and the Public Works Director.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This project is stand-alone, and restoration will maintain current service levels. Service levels will be improved where neighborhood sign upgrades are made.</p> <p>Effect on Annual Operations Costs:</p> <p>This project maintains operating costs at a consistent level. Minor improvements in efficiency will result from removal of some redundant signage.</p> |
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Project Category: Streets CIP

Project Title: Traffic Safety Improvement Projects

Total Estimated Cost: \$ 1,840,000 (over 5 years)

Funding Priority: 3

Account Number:

Finance Project Number: XXXX

Reimbursements: Federal Highway Funds and Street Reserve Fund

Design and Inspection: Engineering Staff

Payroll Logged to Project: Public Works Engineering Division

Description:

This item involves improvements to traffic safety in cooperation with county and state agencies.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|-----------|-----------|-----------|--------------|-----------|
| Federal Highway Funds | | | | \$ 1,500,000 | |
| Street Reserve Funding | \$ 30,000 | \$ 30,000 | \$ 30,000 | \$ 220,000 | \$ 30,000 |

NOTE: Prior years approved budgets have been reserved to complete this project

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| <p>Justification:</p> <p>The City will be initiating both minor annual traffic safety improvements, and will seek funding for larger safety improvement projects to be specified in the coming year by staff in conjunction with Anoka County and MNDOT.</p> <p>Scheduling and Project Status:</p> <p>Projects are determined annually by the Public Safety Director and the Public Works Director. Staff will be working with Anoka County and MNDOT to identify major improvements that are eligible for federal funding through HSIP and other programs. The 2020 project is for a roundabout at Osborne Road and West University Service Drive, for which an HSIP Federal funding solicitation is planned.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This project is stand-alone, and restoration will maintain current service levels. Service and safety levels will be improved where upgrades are made.</p> <p>Effect on Annual Operations Costs:</p> <p>This project maintains operating costs at a consistent level.</p> |
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Project Category: Water ERP (Capital Equipment)
Project Title: Truck
Total Estimated Cost: \$ 35,000
Funding Priority: 2
Account Number: 601-6310-703100
2017 Project Number: 601-17-603
Future Unit Number: 603
Replaces Unit Number: 605
Equipment Selection: Water Division Staff
Payroll Logged to Project: None

Description:
 This equipment will be used in the Water Division, and replace a general use pickup truck in the Engineering Division



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|-----------|------|------|------|------|
| Water Utility Fund - | \$ 35,000 | | | | |

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| <p>Justification: This will replace a pickup in general use by Water Division staff</p> <p>Scheduling and Project Status: Purchase is planned for 2017. The proposed amount includes trade-in of a vehicle to be determined from the Engineering fleet. Unit 605, a 2006 Chevrolet Silverado 4x4 will be transferred to the Engineering Division.</p> | <p>Relationship to General Plan and Other Projects: The equipment purchase will allow the City to maintain its current level of service.</p> <p>Effect on Annual Operations Costs: This project will not change operations costs supported by Public Works Department budgets. The equipment is anticipated to have a 10-year service life in the Water Division.</p> |
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Project Category: Water ERP (Capital Equipment)
Project Title: Trailer Vac Excavator
Total Estimated Cost: \$ 60,000
Funding Priority: 2
Account Number: 601-6310-703100
2018 Project Number: 601-18-626
Future Unit Number: 626
Replaces Unit Number: 627
Equipment Selection: Water Division Staff
Payroll Logged to Project: None

Description:
 This equipment will be used in the Water Division, and replace a general use pickup truck in the Engineering Division



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|-----------|------|------|------|
| Water Utility Fund - | | \$ 60,000 | | | |

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| <p>Justification: This will replace a trailer-mounted vacuum excavator used by Water Division staff for clearing valves, manholes, and other structures.</p> <p>Scheduling and Project Status: Purchase is planned for 2018. The proposed amount includes trade-in of Unit 627, a 1995 Wachs TracVac.</p> | <p>Relationship to General Plan and Other Projects: The equipment purchase will allow the City to maintain its current level of service.</p> <p>Effect on Annual Operations Costs: This project will not change operations costs supported by Public Works Department budgets. The equipment is anticipated to have a 20-year service life.</p> |
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Project Category: Water ERP (Capital Equipment)
Project Title: Truck
Total Estimated Cost: \$ 40,000
Funding Priority: 2
Account Number: 601-6310-703100
2020 Project Number: 601-20-609
Future Unit Number: 603
Replaces Unit Number: 606
Equipment Selection: Water Division Staff
Payroll Logged to Project: None

Description:
 This equipment will be used in the Water Division, and replace a general use pickup truck in the Engineering Division



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|------|------|-----------|------|
| Water Utility Fund - | | | | \$ 40,000 | |

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| <p>Justification: This will replace a pickup in general use by Water Division staff</p> <p>Scheduling and Project Status: Purchase is planned for 2020. The proposed amount includes trade-in of a vehicle to be determined from the Engineering fleet. Unit 606, a 2011 GMC Sierra 2500, will be transferred to the Engineering Division.</p> | <p>Relationship to General Plan and Other Projects: The equipment purchase will allow the City to maintain its current level of service.</p> <p>Effect on Annual Operations Costs: This project will not change operations costs supported by Public Works Department budgets. The equipment is anticipated to have a 10-year service life in the Water Division.</p> |
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Project Category: Water CIP

Project Title: Distribution System Reconstruction

Total Estimated Cost: \$ 2,200,000 (over 5 years)

Funding Priority: 1

Account Number: (1) 406-3174-702100, 406-(yr)-01 Street Project
(2) 601-6310-702100, 406-(yr)-01
To JE'd at Year End to 2016-01 Street Project

2017 Project Number: 601-17-447

Reimbursements: None

Design and Inspection: Engineering Staff

Payroll Logged to Project: Public Works Department Engineering and Water Divisions

Description:
This project involves reconstruction, rehabilitation, and interconnection of the existing water distribution system. This project is in conjunction with annual street rehabilitation projects.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---|------------|------------|------------|------------|------------|
| Water Utility Fund - 2016A Bonding project | \$ 500,000 | \$ 300,000 | \$ 400,000 | \$ 500,000 | \$ 500,000 |

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| <p>Justification:</p> <p>This project is to provide preservation of the water distribution system. Annual funding is targeted to extend the life of existing infrastructure.</p> <p>The proposed 2017 project repair mains in the 2017 street project area.</p> <p>Scheduling and Project Status:</p> <p>The 2017 project will be in design in the fall of 2016.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>The project is part of a an effort by the City of Fridley to upgrade 50% of its water distribution system by the time it reaches 100 years of age.</p> <p>Effect on Annual Operations Costs:</p> <p>This project will reduce operations costs by providing new mains that are subject to reduced breakage, and provide for a more reliable service delivery.</p> |
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Project Category: Water CIP

Project Title: Hydrant Repairs

Total Estimated Cost: \$ 100,000 (over 5 years)

Funding Priority: 2

Account Number: 601-6310-635100

2017 Project Number: 601-17-494

Reimbursements: None

Design and Inspection: Public Works Department Engineering Division

Payroll Logged to Project: Public Works Department Engineering and Water Divisions

Description:

This project involves accelerated rehabilitation and repair of existing fire hydrants.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|-----------|-----------|-----------|-----------|-----------|
| Water Utility Fund | \$ 20,000 | \$ 20,000 | \$ 20,000 | \$ 20,000 | \$ 20,000 |

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| <p>Justification:</p> <p>This project is to provide preservation of the fire hydrants, a critical element in our water distribution system. Annual funding is targeted to extend the life of existing infrastructure. The work includes sandblasting and painting of hydrants, and materials for mechanical repairs as identified.</p> <p>Scheduling and Project Status:</p> <p>The project is stand-alone, and will be part of a five-year program to be completed system wide.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>The project is part of an effort by the City of Fridley to maintain and repair its hydrants within five years.</p> <p>Effect on Annual Operations Costs:</p> <p>This project will reduce operations costs by providing scheduled hydrant repairs and coatings that will reduce long-term maintenance.</p> |
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Project Category: Water CIP
Project Title: Well Updates
Total Estimated Cost: \$ 610,000 (over 5 years)
Funding Priority: 1
Account Number: 601-6310-702100
2016-17 Project Number: 601-16-448
Reimbursements: None
Design and Inspection: Engineering Staff
Payroll Logged to Project: Public Works Department Engineering and Water Divisions

Description:
 This project involves reconstruction, rehabilitation, and interconnection of the existing water distribution system.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|-----------|------------|------|------------|------------|
| Water Utility Fund | \$ 40,000 | \$ 190,000 | | \$ 200,000 | \$ 160,000 |

NOTE: Prior years approved budgets have been reserved for completion of the 2016-17 project.

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| <p>Justification:</p> <p>The project consists of removing and inspecting the column pipe, shafts, pumps, and motors, and repairing these components as required. This semi-annual project ensures that the City water system continues to have a constant water supply with a minimum amount of repairs. High-lift pump reconditioning is included in 2016-2017. Updates and rehabilitation are proposed for Wells 2 and 5 in 2018, and Wells 9 and 12 in 2020.</p> <p>Scheduling and Project Status:</p> <p>The work will be completed in the year budgeted.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This is a project formerly programmed annually, but now modified in schedule to be completed semi-annually.</p> <p>Effect on Annual Operations Costs:</p> <p>This project keeps excessive operations costs limited through reduction in need for emergency repairs of well equipment, and maintains service reliability.</p> |
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Project Category: Water CIP

Project Title: Water Meter Replacement and Testing

Total Estimated Cost: \$ 760,000 (over 5 years)

Funding Priority: 1

Account Number: 601-6310-621140

2016-17 Project Number: 601-16-412

Reimbursements: None

Design and Inspection: None

Payroll Logged to Project: Finance Department and Public Works Department Engineering and Water Divisions

Description:

The project includes installation of water meters with upgrades to an automatic meter reading system, construction of fixed antenna readers, and testing of meters.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---|------------|-----------|-----------|-----------|-----------|
| Water Utility Fund - 2016A Bonding project | \$ 720,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 |

NOTE: Prior years approved budgets have been reserved for completion of the 2016-17 project.

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| <p>Justification:</p> <p>The City's water meters are typically beyond their expected life span for accurate reading. The City has also relied on voluntary meter reading for residential properties, which adds data entry and coordination time to collect readings. The project includes installation of water meters Citywide in a multi-year project with upgrades to an automatic meter reading system. City staff has coordinated and performs installations of approximately 500 meters annually, and will be accelerating deployment to complete residential installations by the end of 2017.</p> <p>Scheduling and Project Status:</p> <p>Under a revised accelerated schedule, AMR installations in residential properties are to be completed in 2016 and 2017 under this program, with a total of roughly 4,000 installations via contracted staff.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This is a project that is accelerated to be completed in 2017, revised from a project originally programmed annually which would have otherwise reached completion in 2022. Fixed antennas are planned to be installed in 2017 for data collection of areas that have been installed.</p> <p>Testing of commercial meters would begin in 2018, and would take approximately five years to complete.</p> <p>Effect on Annual Operations Costs:</p> <p>This project provides for accurate and timely water billing and collection, and reduces staff time in meter reading collection, data entry, and collection of readings.</p> |
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Project Category: Water CIP
Project Title: Building Maintenance
Total Estimated Cost: \$ 160,000
Funding Priority: 2
Account Number: 601-6310-xxxxxx
2017 Project Number: 601-17-495
Reimbursements: None
Design and Inspection: Engineering Staff
Payroll Logged to Project: Public Works Department Engineering and Water Divisions

Description:
 The item is for minor maintenance of plant and well house buildings.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|-----------|-----------|-----------|-----------|-----------|
| Water Utility Fund | \$ 20,000 | \$ 40,000 | \$ 20,000 | \$ 40,000 | \$ 40,000 |

Justification:
 The project includes minor preventative maintenance updates and repairs to well house buildings and plant buildings. This annual project ensures that the City water facilities are managed with a minimum amount of repairs. Well power supply, ventilation and cooling will be upgraded with this project to reduce maintenance on equipment. Residing of Wellhouse 7 and reproofing of Wellhouse 9 are planned for 2017.

Scheduling and Project Status:
 The work will be completed in the year budgeted.

Relationship to General Plan and Other Projects:
 This is a project is stand-alone and to be completed annually.

Effect on Annual Operations Costs:
 This project keeps excessive operations costs limited through reduction in need for emergency repairs. It also provides upgrades to buildings that are needed to keep equipment in good operating condition.

Project Category: Water CIP

Project Title: Distribution System Interconnection

Total Estimated Cost: \$ 500,000 (over 5 years)

Funding Priority: 1

Account Number: 601-6310-702100

2019 Project Number: 601-19-496

Reimbursements: None

Design and Inspection: Engineering Staff

Payroll Logged to Project: Public Works Department Engineering and Water Divisions

Description:

This project involves reconstruction, rehabilitation, and interconnection of the existing water distribution system.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|------|------------|------|------|
| Water Utility Fund | | | \$ 500,000 | | |

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| <p>Justification:</p> <p>This project is to provide redundancy of the water distribution system. Annual funding is targeted to provide interconnection where potential for emergency fire flow could be affected by out of service water mains.</p> <p>The proposed 2019 project (deferred from 2018) will provide connection of dead-end systems on Highway 65 between 68th Avenue and Norton Avenue.</p> <p>Scheduling and Project Status:</p> <p>The 2019 project will be in designed in 2018.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>The project will be coordinated with MNDOT, for work along Trunk Highway right-of-way in conjunction with their plans for a storm sewer replacement.</p> <p>Effect on Annual Operations Costs:</p> <p>This project will not have appreciable changes to operations costs, but it will provide for a more reliable service delivery.</p> |
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Project Category: Water CIP
Project Title: Variable Frequency Drives
Total Estimated Cost: \$ 105,000 (over 5 years)
Funding Priority: 2
Account Number: 601-6310-702100
2018 Project Number: 601-18-477
Reimbursements: None
Design and Inspection: Public Works Department Engineering and Water Divisions
Payroll Logged to Project: Public Works Department Engineering and Water Divisions

Description:
 The item is for replacement of pump Variable Frequency Drive motors in the Water Division.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|-----------|------|-----------|------|
| Water Utility Fund | | \$ 35,000 | | \$ 35,000 | |

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| <p>Justification:</p> <p>This item is for replacement of Variable Frequency Drive (VFD) pump motors and equipment for Water Division treatment plant and transmission systems.</p> <p>Scheduling and Project Status:</p> <p>VFD replacements are planned for 2018 and 2020.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This project is coordinated with future well rehabilitation work, and will enable us to maintain current service levels with additional reliability.</p> <p>Effect on Annual Operations Costs:</p> <p>The project will improve performance and provide power savings through increased motor efficiency. There is potential for efficiency rebates through Xcel Energy to assist with funding these projects.</p> |
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Project Category: Water CIP
Project Title: Treatment Plant Retrofits
Total Estimated Cost: \$ 870,000 (over 5 years)
Funding Priority: 2
Account Number: 601-6310-xxxxxx
2017 Project Number: 601-17-498
Reimbursements: None
Design and Inspection: Public Works Department Engineering and Water Divisions
Payroll Logged to Project: Public Works Department Engineering and Water Divisions

Description:
 This item is for replacement and retrofit of water treatment equipment in Water Treatment Plants.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---|------------|------------|------|------|------|
| Water Utility Fund - 2016A Bonding project | \$ 370,000 | \$ 500,000 | | | |

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| <p>Justification:</p> <p>This item is for replacement and retrofit of water treatment equipment. In 2017, filter control valves at Commons WTP will be changed out and chemical feed equipment and storage will be upgraded. In 2018, a filter rehabilitation project is planned, moved forward from 2019.</p> <p>Scheduling and Project Status:</p> <p>The projects will be designed and implemented in the year budgeted.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>These projects are stand-alone, but schedules are coordinated with other treatment plant upgrade work.</p> <p>Effect on Annual Operations Costs:</p> <p>This project keeps excessive operations costs limited through reduction in need for emergency repairs. It also provides for reliable water treatment at our treatment plants.</p> |
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Project Category: Water CIP
Project Title: Transmission System Reconstruction
Total Estimated Cost: \$ 800,000
Funding Priority: 1
Account Number: 601-6310-xxxxxx
2018 Project Number: 601-18-499
Reimbursements: None
Design and Inspection: Engineering Staff
Payroll Logged to Project: Public Works Department Engineering and Water Divisions

Description:
 This project involves reconstruction, rehabilitation, and interconnection of the existing water transmission system.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|------------|------|------|------|
| Water Utility Fund | | \$ 800,000 | | | |

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| <p>Justification:</p> <p>This project is to provide preservation of the water transmission piping system. Annual funding is targeted to extend the life of existing infrastructure.</p> <p>The proposed 2018 project will replace an 8,000 foot segment of 20" transmission main repair from Commons Water Treatment Plant to Tower 2 on Highway 65.</p> <p>Scheduling and Project Status:</p> <p>The 2018 project will be in design in 2016.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>The project will be coordinated with MNDOT, for work along Trunk Highway right-of-way in conjunction with their plans for a storm sewer replacement.</p> <p>Effect on Annual Operations Costs:</p> <p>This project will reduce operations costs by providing new mains that are subject to reduced breakage, and provide for a more reliable service delivery.</p> |
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Project Category: Sewer ERP (Capital Equipment)

Project Title: Utility Truck

Total Estimated Cost: \$ 55,000

Funding Priority: 2

Account Number: 602-6310-703100

2017 Project Number: 602-17-662

Future Unit Number: 662

Replaces Unit Number: 661

Equipment Selection: Sewer Division Staff

Payroll Logged to Project: None

Description:
 This equipment will be used in the Sewer Division, and replace a utility truck.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|-----------|------|------|------|------|
| Sewer Utility Fund | \$ 55,000 | | | | |

Justification:
 This equipment is used year-round by the Sewer Maintenance Division for work throughout the City of Fridley.

Scheduling and Project Status:
 Unit 661, a 2008 Chevrolet Silverado utility tool truck is planned for replacement in 2017.

Relationship to General Plan and Other Projects:
 This equipment purchase will allow the Public Works Department to continue providing its current level of service.

Effect on Annual Operations Costs:
 This equipment will not change our operations costs supported by Public Works Department budgets. The equipment is anticipated to have a 10-year service life.

Project Category: Sewer ERP (Capital Equipment)
Project Title: Pickup Truck
Total Estimated Cost: \$ 35,000
Funding Priority: 2
Account Number: 602-6310-703100
2020 Project Number: 602-20-679
Future Unit Number: 679
Replaces Unit Number: 677
Equipment Selection: Sewer Division Staff
Payroll Logged to Project: None

Description:
 This equipment includes vehicle replacements in the Sewer Maintenance Division.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|------|------|-----------|------|
| Sewer Utility Fund | | | | \$ 35,000 | |

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| <p>Justification: This equipment is used year-round by the Sewer Maintenance Division for work throughout the City of Fridley.</p> <p>Scheduling and Project Status: A general use pickup truck replacement of Unit 677, a 2009 Chevrolet Silverado is planned for 2020.</p> | <p>Relationship to General Plan and Other Projects: This equipment purchase will allow the Public Works Department to continue providing its current level of service.</p> <p>Effect on Annual Operations Costs: This equipment will not change our operations costs supported by Public Works Department budgets. The equipment is anticipated to have a 10-year service life.</p> |
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Project Category: Sewer CIP

Project Title: Sanitary Sewer Collection System Reconstruction

Total Estimated Cost: \$ 270,000 (over 5 years)

Funding Priority: 1

Account Number: (1) 406-3174-702100, 406-(yr)-01 Street Project
(2) 602-6310-702100, 406-(yr)-01
To JE'd at Year End to 2016-01 Street Project

2017 Project Number: 602-17-001

Reimbursements: None

Design and Inspection: Engineering Staff

Payroll Logged to Project: Public Works Department Engineering and Sewer Divisions

Description:
This project involves repairs of the existing sanitary sewer collection system in conjunction with annual street rehabilitation projects.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|-----------|-----------|-----------|-----------|-----------|
| Sewer Utility Fund | \$ 40,000 | \$ 85,000 | \$ 45,000 | \$ 50,000 | \$ 50,000 |

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| <p>Justification:</p> <p>This project is to provide preservation of the existing sanitary sewer collection system. Annual funding is targeted to extend the life of existing infrastructure.</p> <p>Scheduling and Project Status:</p> <p>The 2017 project will be surveyed in 2016 and incorporated into the street rehabilitation project.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>The proposed 2017 project will include repairs in coordination with the pavement rehabilitation work in the North Park and Parkview neighborhoods.</p> <p>Effect on Annual Operations Costs:</p> <p>This project will reduce operations costs by providing replacement and repair of sanitary sewer infrastructure.</p> |
|--|--|

Project Category: Sewer CIP

Project Title: Sanitary Sewer Collection System Lining

Total Estimated Cost: \$ 1,560,000 (over 5 years)

Funding Priority: 1

Account Number: 602-6310-702100

2017 Project Number: 602-17-500

Reimbursements: None

Design and Inspection: Engineering Staff

Payroll Logged to Project: Public Works Department Engineering and Sewer Divisions

Description:

This project involves lining of the existing sanitary sewer collection system.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------------|------|------------|------|------------|
| Sewer Utility Fund | \$ 520,000 | | \$ 520,000 | | \$ 520,000 |

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| <p>Justification:</p> <p>The project consists of relining of clay and concrete sanitary sewer collection piping to prolong its useful life.</p> <p>The project was previously conducted annually, but we are now recommending moving to a semi-annual basis to complete work at more cost-effective pricing.</p> <p>Scheduling and Project Status:</p> <p>The work will be completed next in 2017, and candidate work areas are under review in 2016.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>The project is part of a an effort by the City of Fridley to upgrade 50% of its sanitary sewer collection system by the time it reaches 100 years of age.</p> <p>Effect on Annual Operations Costs:</p> <p>This project keeps excessive operations costs limited through reduction in need for emergency repairs and potential failures.</p> |
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Project Category: Sewer CIP

Project Title: Sanitary Sewer Force Main Reconstruction

Total Estimated Cost: \$ 185,000 (over 5 years)

Funding Priority: 1

Account Number: 602-6310-702100

2018 Project Number: 602-18-501

Reimbursements: None

Design and Inspection: Engineering Staff

Payroll Logged to Project: Public Works Department Engineering and Sewer Divisions

Description:
 This project involves repairs of existing sanitary sewer force mains.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|-----------|------|------|-----------|
| Sewer Utility Fund | | \$ 90,000 | | | \$ 95,000 |

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| <p>Justification:</p> <p>This project is to provide preservation of the existing sanitary sewer force main piping system. Regular funding is targeted to extend the life of existing infrastructure.</p> <p>Scheduling and Project Status:</p> <p>The 2018 project will be developed in 2016, and designed in 2017.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>The proposed 2018 project will include rehabilitation of the 64th Avenue Lift Station force main.</p> <p>Effect on Annual Operations Costs:</p> <p>This project will reduce operations costs by providing replacement and repair of sanitary sewer infrastructure.</p> |
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Project Category: Sewer CIP

Project Title: Sanitary Sewer Lift Station Rehabilitation

Total Estimated Cost: \$ 210,000 (over 5 years)

Funding Priority: 2

Account Number: 602-6310-702100

2018 Project Number: 602-18-502

Reimbursements: None

Design and Inspection: Engineering Staff

Payroll Logged to Project: Public Works Department Engineering and Sewer Divisions

Description:

This project involves reconstruction and rehabilitation of sanitary sewer lift stations on a regular and ongoing basis.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|------------|------|------|------|
| Sewer Utility Fund | | \$ 210,000 | | | |

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| <p>Justification:</p> <p>The project consists of replacement of sanitary lift stations or components to avoid failures that can lead to sewer backups.</p> <p>Scheduling and Project Status:</p> <p>A reconstruction and relocation of the Ember's Lift Station will be initiated in 2018 in anticipation of 53rd Avenue reconstruction.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>The project is part of an effort by the City of Fridley to avoid costly emergency repairs and provide for long-term service life of its sanitary sewer infrastructure. The City is nearing completion of its first round of rehabilitation on its 13 lift stations.</p> <p>Effect on Annual Operations Costs:</p> <p>This project keeps excessive operations costs limited through reduction in need for emergency repairs and potential failures.</p> |
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Project Category: Sewer CIP
Project Title: MCES Overflow Connection
Total Estimated Cost: \$ 150,000
Funding Priority: 2
Account Number: 602-6310-xxxxxx
2019 Project Number: 602-19-451
Reimbursements: None
Design and Inspection: Contracted through MCES
Payroll Logged to Project: Public Works Department Engineering and Sewer Divisions

Description:
 This project involves cost-sharing of a project to provide an overflow connection between the City's main sanitary sewer interceptor with the MCES interceptor.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|------|------------|------|------|
| Sewer Utility Fund | | | \$ 150,000 | | |

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| <p>Justification:</p> <p>The project consists of providing an overflow connection between the City's main sanitary sewer interceptor with an interceptor owned and operated by the Metropolitan Council Environmental Services (MCES). During the severe rainfall event in 2011, the main sanitary sewer interceptor reached capacity and resulted in backing up our system. The overflow would help by providing additional capacity in such a future event.</p> <p>Scheduling and Project Status:</p> <p>The City is currently working out the scope and funding for this project with MCES consultants and staff.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>MCES coordination and participation in this project will be required.</p> <p>Effect on Annual Operations Costs:</p> <p>This project would provide capacity to the City's main trunk system during severe rainfall events, to avoid backups due to stormwater inflows into the sanitary sewer system.</p> |
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Project Category: Storm Water CIP

Project Title: Stoneybrook Flood Control Project

Total Estimated Cost: \$ 105,000

Funding Priority: 1

Account Number: 603-7500-415-XXXX

Finance Project Number: XXXX

Reimbursements: None

Design and Inspection: Engineering Staff and Consultant

Payroll Logged to Project: Public Works Department Engineering and Sewer Divisions

Description:

This project includes reconfiguration of infrastructure in the Stoneybrook Creek subwatershed in the North Industrial area to mitigate flooding.

| Source of Project Funding | 2014 | 2015 | 2016 | 2017 | 2018 |
|---------------------------|------------|------|------|------|------|
| Storm Water Utility Fund | \$ 105,000 | | | | |

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| <p>Justification:</p> <p>This work is needed to mitigate chronic flooding that affects properties along Beech Street and 79th Avenue. This area drains the intensely developed upper subwatershed. The project includes implementation of initial system improvements to limit flooding in the area. Future work will be needed that is to be identified.</p> <p>Scheduling and Project Status:</p> <p>This project is moved from the 2013 budget to coincide with a street rehabilitation project deferred to 2014.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>The project is scheduled in 2014 to coincide with the street rehabilitation project in this area.</p> <p>Effect on Annual Operations Costs:</p> <p>This project will reduce operating costs relating to preserving existing infrastructure and mitigation of future flood damage.</p> |
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Project Category: Storm Water CIP

Project Title: Pond Expansion – Oak Glen Creek Subwatershed

Total Estimated Cost: \$ 650,000

Funding Priority: 1

Account Number: 603-7500-415-XXXX

Finance Project Number: XXXX

Reimbursements: None

Design and Inspection: Engineering Staff and Consultant, supported by Anoka Conservation District and Coon Creek Watershed District

Payroll Logged to Project: Public Works Department Engineering and Sewer Divisions

Description:

This project includes a stormwater pond expansion serving the Oak Glen Creek subwatershed. The expansion would add significant storage and iron-enhanced sand filter treatment to remove phosphorus.

| Source of Project Funding | 2014 | 2015 | 2016 | 2017 | 2018 |
|---------------------------|------------|------|------|------|------|
| Storm Water Utility Fund | \$ 400,000 | | | | |
| Clean Water Fund Grant | \$ 250,000 | | | | |

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| <p>Justification:</p> <p>This project would expand an existing stormwater pond receiving flow from the Oak Glen Creek subwatershed to provide water quality benefit and reduce peak discharges to Lower Oak Glen Creek. This project will provide a major reduction in downstream erosion and sediment loading to the Mississippi River.</p> <p>Scheduling and Project Status:</p> <p>Anoka Conservation District and the City of Fridley applied for funding in 2012, but the request was unsuccessful. An application is planned for 2013. Property negotiations have been on hold pending funding allocation.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>The project will help to preserve an erosion mitigation project scheduled for construction in 2013-14. The project is located in the North Industrial Area, which is scheduled for pavement rehabilitation in 2014.</p> <p>Effect on Annual Operations Costs:</p> <p>This project will provide a major reduction in sediment loading and downstream erosion.</p> |
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Project Category: Storm Water CIP
Project Title: Water Quality Testing
Total Estimated Cost: \$ 20,000 (over 5 years)
Funding Priority: 3
Account Number: 603-6310-702100
2019 Project Number: 603-19-474
Reimbursements: None
Design and Inspection: Engineering Staff
Payroll Logged to Project: Public Works Department Engineering and Sewer Divisions

Description:
 This project involves collection and analysis of water quality samples from surface water and storm water discharges.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|------|----------|----------|-----------|
| Storm Water Utility Fund | | | \$ 5,000 | \$ 5,000 | \$ 10,000 |

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| <p>Justification:</p> <p>This project is to provide baseline data that is currently not under collection by watershed organizations in Fridley on surface water and storm water discharges in association with a newly issued MS4 permit.</p> <p>Scheduling and Project Status:</p> <p>The project includes follow-up data is intended to be collected beginning in 2019.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This project is needed to advance planning activities for future projects. It is important to plan for data collection over at least two seasons due to annual fluctuations in conditions. The City may partner with its watershed organizations in conducting sampling.</p> <p>Effect on Annual Operations Costs:</p> <p>This project will not impact operations costs.</p> |
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Project Category: Storm Water CIP
Project Title: Pond Maintenance
Total Estimated Cost: \$ 135,000 (over 5 years)
Funding Priority: 2
Account Number: 603-6310-702100
2017 Project Number: 603-17-472
Reimbursements: None
Design and Inspection: Engineering Staff
Payroll Logged to Project: Public Works Department Engineering and Sewer Divisions

Description:
 This project includes maintenance on City storm sewer ponds.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|-----------|-----------|-----------|-----------|-----------|
| Storm Water Utility Fund | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 30,000 | \$ 30,000 |

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| <p>Justification:</p> <p>This work is needed annually to provide maintenance and repairs needed to the existing storm sewer pond systems.</p> <p>Scheduling and Project Status:</p> <p>This work is conducted annually and specific repairs will be identified by staff annually. The 2017 allocation includes maintenance work for the North Danube Pond, which was deferred due to overruns for maintenance at the Springbrook pond.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This project is stand-alone, and allows for effective performance of the City's stormwater management systems. This work is also mandated under the City's storm sewer permit.</p> <p>Effect on Annual Operations Costs:</p> <p>This project will maintain existing operation costs at current levels.</p> |
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Project Category: Storm Water CIP

Project Title: Storm Sewer System System Upgrades

Total Estimated Cost: \$ 315,000 (over 5 years)

Funding Priority: 2

Account Number: (1) 406-3174-702100, 406-(yr)-01 Street Project
(2) 603-6310-702100, 406-(yr)-01
To JE'd at Year End to 2016-01 Street Project

2017 Project Number: 603-17-01

Reimbursements: None

Design and Inspection: Engineering Staff

Payroll Logged to Project: Public Works Department Engineering and Sewer Divisions

Description:
This project includes repairs to storm sewer conveyance system in conjunction with annual street rehabilitation projects.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|-----------|-----------|-----------|-----------|-----------|
| Storm Water Utility Fund | \$ 60,000 | \$ 60,000 | \$ 65,000 | \$ 65,000 | \$ 65,000 |

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| <p>Justification:</p> <p>This work is needed annually to provide maintenance and repairs needed to the existing storm sewer collection system.</p> <p>Scheduling and Project Status:</p> <p>This work is conducted annually and specific repairs will be identified by staff annually.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>2017 work will center on improvements in the North Park and Parkview neighborhoods in conjunction with the annual street rehabilitation project. The project will allow continuation of existing service levels.</p> <p>Effect on Annual Operations Costs:</p> <p>This project will reduce operating costs relating to preserving failures in the storm sewer collection system.</p> |
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Project Category: Storm Water CIP

Project Title: Storm Sewer System Upgrades

Total Estimated Cost: \$ 420,000 (over 5 years)

Funding Priority: 2

Account Number: 603-6310-702100

2017 Project Number: 603-17-485

Reimbursements: None

Design and Inspection: Engineering Staff

Payroll Logged to Project: Public Works Department Engineering and Sewer Divisions

Description:
 This project includes upgrades and repairs to storm sewer conveyance system Citywide.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|-----------|-----------|------------|------------|------------|
| Storm Water Utility Fund | \$ 60,000 | \$ 60,000 | \$ 100,000 | \$ 100,000 | \$ 100,000 |

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| <p>Justification:</p> <p>This work is needed annually to mitigate flood prone areas and to maintain the integrity of the overall conveyance system and other infrastructure. A detailed work plan is typically identified through surveys conducted for outfall inspections, other rehabilitation projects, or as problem areas arise or are identified. The project will ensure resources are available to address immediate concerns or failures in a timely fashion, and to mitigate future issues.</p> <p>Scheduling and Project Status:</p> <p>This work is conducted annually and specific repairs will be identified by staff annually. 2017 work will continue a 2016 allocation for improvements along the Stoneybrook conveyance system.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>The project allows the City to address problem areas in a timely fashion, particularly when other project work needs a coordinated improvement.</p> <p>Effect on Annual Operations Costs:</p> <p>This project will reduce operating costs relating to preserving existing infrastructure and mitigation of future flood damage.</p> |
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Project Category: Storm Water CIP

Project Title: Watershed BMP Implementation

Total Estimated Cost: \$ 100,000 (over 5 years)

Funding Priority: 2

Account Number: 603-6310-702100

2017 Project Number: 603-17-445

Reimbursements: None

Design and Inspection: Engineering Staff

Payroll Logged to Project: Public Works Department Engineering and Sewer Divisions

Description:

This project includes water quality improvements through application of Best Management Practices (BMPs) for stormwater.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|-----------|-----------|-----------|-----------|----------|
| Storm Water Utility Fund | \$ 20,000 | \$ 20,000 | \$ 20,000 | \$ 20,000 | \$20,000 |

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| <p>Justification:</p> <p>This project will apply stormwater BMPs citywide on a targeted basis. Installation of raingardens, water quality structures, and biofilters are the types of projects funded.</p> <p>Scheduling and Project Status:</p> <p>This project can be used to leverage additional support for BMP projects from our watershed organizations, property owners, and other sources. In 2017, the project work will focus on the North Park and Parkview neighborhoods.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>The project is scheduled in the Moore Lake subwatershed in 2017 to coincide with the street rehabilitation project in 2017.</p> <p>Effect on Annual Operations Costs:</p> <p>This project will provide minor reductions in operating costs relating to sediment control. Maintenance will typically be performed by owners of adjacent properties.</p> |
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Project Category: Storm Water CIP

Project Title: Watershed District Water Quality Projects

Total Estimated Cost: \$ 290,000 (over 5 years)

Funding Priority: 2

Account Number: 603-6310-702100

2017 Project Number: 603-17-486

Reimbursements: None

Design and Inspection: Engineering Staff supported by Anoka Conservation District and Watershed District partners

Payroll Logged to Project: Public Works Department Engineering and Sewer Divisions

Description:

This project includes a stormwater pond expansion serving our watersheds, and improving stormwater quality.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|-----------|------------|-----------|-----------|------|
| Storm Water Utility Fund | \$ 50,000 | \$ 100,000 | \$ 60,000 | \$ 80,000 | |

NOTE: Prior years allocations have been approved and reserved

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| <p>Justification:</p> <p>These projects are used to leverage additional outside funding sources for water quality projects in the MWMO area. The 2017 project would expand water quality treatment capacity in the RCWD in the Holiday Hills neighborhood in conjunction with the Columbia Arena Area Redevelopment project. This project will provide measurable improvements to outflows to the Mississippi River.</p> <p>Scheduling and Project Status:</p> <p>The City has applied for CWF funding from the state, in conjunction with the RCWD, who have indicated their participation for enhancements to water quality.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This project will be coordinated with the Columbia Arena redevelopment project.</p> <p>Effect on Annual Operations Costs:</p> <p>This project will provide a measurable reduction in sediment loading to the City's storm sewer system and Mississippi River. Reductions in pollutants will be allocated to current and future TMDL requirements. Added maintenance will be minimal with this project, as it is considered during design.</p> |
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Project Category: Storm Water CIP
Project Title: Sediment Removal Projects
Total Estimated Cost: \$ 100,000 (Over 5 years)
Funding Priority: 2
Account Number: 603-6310-702100
2020 Project Number: 603-20-478
Reimbursements: None
Design and Inspection: Engineering Staff supported by Watershed District Partners
Payroll Logged to Project: Public Works Department Engineering and Sewer Divisions

Description:
 This item includes projects to remove sedimentation from large flow ways.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|------|------|------------|------|
| Storm Water Utility Fund | | | | \$ 100,000 | |

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| <p>Justification:</p> <p>This project would provide funding for large sediment removal projects. The 2020 allocation is a partial allocation that is for Locke Lake dredging, if needed as determined by an updated sediment survey to take place in 2017.</p> <p>Scheduling and Project Status:</p> <p>The City of Fridley is working with the RCWD on coordination of the updated sediment survey.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>These project is stand-alone, and will be coordinated with associated projects. It will provide for improved downstream water quality.</p> <p>Effect on Annual Operations Costs:</p> <p>This project will maintain water quality and operations costs.</p> |
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Project Category: Storm Water CIP

Project Title: Moore Lake Subwatershed Flood Control Upgrades

Total Estimated Cost: \$ 55,000 (Over 5 years)

Funding Priority: 2

Account Number: 603-6310-702100

2017 Project Number: 603-17-490

Reimbursements: None

Design and Inspection: Engineering Staff supported by Watershed District(s)

Payroll Logged to Project: Public Works Department Storm Water Division

Description:

This project includes upgrades to the storm sewer system capacity in the Moore Lake Subwatershed between Rice Creek Road and Mississippi Street east of Central Avenue.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|-----------|------|------|------|------|
| Storm Water Utility Fund | \$ 55,000 | | | | |

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| <p>Justification:</p> <p>The project addresses second-priority flooding issues that currently occur north of Moore Lake along Central Avenue.</p> <p>Scheduling and Project Status:</p> <p>The project is dependent on securing additional funding, through state grant programs and/or Rice Creek Watershed District funding programs.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This project is stand-alone. Note that top-priority flood control projects are currently in the CIP for prior years.</p> <p>Effect on Annual Operations Costs:</p> <p>This project will have a limited reduction in operations costs in regard to emergency response and storm sewer system maintenance. Our level of service to area property owners will be increased.</p> |
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Project Category: Storm Water CIP

Project Title: TMDL Water Quality Projects

Total Estimated Cost: \$ 570,000 (over 5 years)

Funding Priority: 2

Account Number: 603-6310-702100

2017 Project Number: 603-17-467

Reimbursements: None

Design and Inspection: Engineering Staff supported by Watershed District(s)

Payroll Logged to Project: Public Works Department Engineering and Sewer Divisions

Description:
 This project includes addressing water quality TMDL requirements mandated by MPCA.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|-----------|-----------|------------|------------|------|
| Storm Water Utility Fund | \$ 50,000 | \$ 50,000 | \$ 150,000 | \$ 100,000 | |

NOTE: Prior years approved budgets have been reserved

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| <p>Justification:</p> <p>This series of project is intended on achieving total maximum daily load (TMDL) requirements mandated by the Minnesota Pollution Control Agency through the City's stormwater permit.</p> <p>Scheduling and Project Status:</p> <p>The initial project in 2015-17 is focused on phosphorus reduction in the Moore Lake subwatershed.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>The 2015-17 project has been awaiting master planning of Moore Lake Park, which has been initiated.</p> <p>Effect on Annual Operations Costs:</p> <p>This project will increase staff time via maintenance of water quality improvements implemented. It does, however, address a mandated outcome.</p> |
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Project Category: Storm Water CIP
Project Title: Locke Lake Dam Upgrades
Total Estimated Cost: \$ 35,000 (Over 5 years)
Funding Priority: 2
Account Number: 603-6310-702100
2018 Project Number: 603-18-466
Reimbursements: None
Design and Inspection: Engineering Staff supported by Watershed District(s)
Payroll Logged to Project: Public Works Department Storm Water Division

Description:
 This project includes upgrades to Locke Lake Dam to enable remote adjustment of lake levels.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|-----------|------|------|------|
| Storm Water Utility Fund | | \$ 35,000 | | | |

NOTE: Prior years approved budgets have been reserved

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| <p>Justification:</p> <p>The project allow for automated adjustment of dam levels at Locke Lake.</p> <p>Scheduling and Project Status:</p> <p>The project is dependent on securing additional funding, through potential state grant programs and/or Rice Creek Watershed District funding programs.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This project is stand-alone. Note that a 2015 project is planned to include a remote monitoring system, but has not yet been initiated.</p> <p>Effect on Annual Operations Costs:</p> <p>This project will provide for a slight reduction in staff time to adjust gates, which is performed roughly two dozen times throughout an average season. The project will also enhance response in severe events, as controls will be able to be adjusted remotely.</p> |
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Project Category: Storm Water CIP

Project Title: Riverview Heights Flood Control Upgrades

Total Estimated Cost: \$ 175,000 (Over 5 years)

Funding Priority: 2

Account Number: 603-6310-702100

2018 Project Number: 603-18-492

Reimbursements: None

Design and Inspection: Engineering Staff supported by Watershed District(s)

Payroll Logged to Project: Public Works Department Storm Water Division

Description:

This project includes upgrades to levee along Riverview Heights to provide an additional level of flood protection to several dozen homes in the neighborhood.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------|------------|------|------|------|
| Storm Water Utility Fund | | \$ 175,000 | | | |

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| <p>Justification:</p> <p>The project addresses second-priority flooding issues that have potential for high damage levels along the Mississippi in the Riverview Heights area.</p> <p>Scheduling and Project Status:</p> <p>The project is dependent on securing additional funding, through state grant programs and/or Coon Creek Watershed District funding programs. A special assessment component may be considered as well. The project would increase the flood protection elevation, and provide for a system that could be readily installed if severe spring flooding of the Mississippi is imminent. Fridley Public Safety and Anoka County Emergency Management have also indicated their desire/support for this project.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This project is stand-alone. Note that top-priority flood control projects are currently in the CIP for prior years. However, the potential impact to this area is greater than other current projects included in the CIP.</p> <p>Effect on Annual Operations Costs:</p> <p>This project will have a limited reduction in operations costs in regard to emergency response. Our level of service to area property owners will be increased.</p> |
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Project Category: Liquor Store Operations

Project Title: Highway 65 Liquor Store Remodel

Total Estimated Cost: \$ 450,000 (over 5 years including 2015 & 2016)

Funding Priority: 2

Account Number: 609-6920

Finance Project Number: XXXX

Reimbursements: Possible rebates through Xcel Energy and CenterPoint Energy

Design and Inspection: Consultant

Payroll Logged to Project: Finance Department

Description:
Remodeling of the exterior and interior of the Highway 65 Liquor Store.



| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|------------|-----------|----------|------|------|
| Liquor Enterprise Fund | \$ 100,000 | \$100,000 | \$44,000 | | |

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| <p>Justification:</p> <p>The Highway 65 Liquor Store is in need of major maintenance and updating. The interior has not been upgraded in three decades. Exterior elements are also in need of repair and replacement. The store is dated well beyond what is customary for other retail stores in the area, which affects its ability to compete with other upgraded establishments. The store is also not compliant with ADA.</p> <p>This project consists of design and construction to remodel the store. The work would include repair of building elements and retrofit of the entire interior of the facility. Equipment would be replaced and upgraded for energy efficiency. The first phase of this project was completed in 2015 and 2016 with upgrades to the front of the building and the installation of a new pylon style sign with customizable graphics.</p> <p>Scheduling and Project Status:</p> <p>This project funds design in 2015 with construction in 2015-19.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This project is stand-alone.</p> <p>Effect on Annual Operations Costs:</p> <p>There will be a significant reduction in repair costs anticipated through this project. There are also anticipated revenue increases through improvements of this retail space.</p> <p>The project will be administered and coordinated by the Finance Department.</p> |
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Project Category: Liquor Store Operations
Project Title: Break Room Addition to Fridley Market Location
Total Estimated Cost: \$ 25,000
Funding Priority: 3
Account Number: 609-6910
Finance Project Number: XXXX
Reimbursements: NA

Description:
 Build out an employee break room at Fridley Market location.

| Source of Project Funding | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------|-----------|------|------|------|------|
| Liquor Enterprise Fund | \$ 25,000 | | | | |

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| <p>Justification:</p> <p>Over the past two years an initiative has been made to increase our service levels. Part of that increased service level is hiring of additional staff to ensure appropriate coverage during peak operational times.</p> <p>One aspect our employees have communicated to us is that they would appreciate a dedicated space to take breaks during their shifts. Currently there is a table or two set up in the warehouse that suffices as a “space.” Often this space is needed for warehousing of product and subsequently is not very suitable for an employee break area.</p> <p>There is a sales floor space adjacent to the tasting area that if enclosed would provide a small, but suitable space for an employee break room. This is currently sales floor space that is not crucial to the overall sales floor layout.</p> <p>Scheduling and Project Status:</p> <p>This project would be instituted in the winter of 2017.</p> | <p>Relationship to General Plan and Other Projects:</p> <p>This project is stand-alone.</p> <p>Effect on Annual Operations Costs:</p> <p>No additional operating costs.</p> |
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