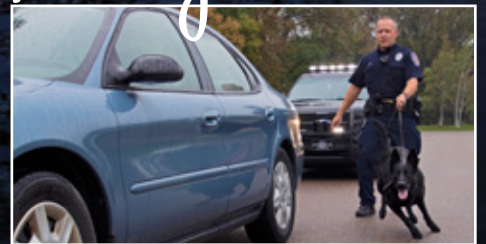


City of Plymouth



2016-2020 CAPITAL IMPROVEMENT PROGRAM



City of Plymouth, Minnesota
Capital Improvement Program
2016 thru 2020

DEPARTMENT SUMMARY

Department	2016	2017	2018	2019	2020	Total
Central Equipment	2,234,000	1,931,600	3,954,600	1,479,000	1,648,300	11,247,500
Facilities Management	4,075,000	4,416,000	260,000	255,000	415,000	9,421,000
Information Technology	850,300	357,000	77,000			1,284,300
Parks and Recreation	10,406,800	5,280,000	4,891,000	1,780,000	7,630,000	29,987,800
Sanitary Sewer	2,180,000	2,330,000	1,730,000	1,100,000	1,100,000	8,440,000
Streets	23,250,000	13,060,000	10,240,000	8,940,000	8,360,000	63,850,000
Water	5,713,000	1,550,000	670,000	2,025,000	8,125,000	18,083,000
Water Resources	1,490,000	2,200,000	950,000	1,550,000	2,075,000	8,265,000
TOTAL	50,199,100	31,124,600	22,772,600	17,129,000	29,353,300	150,578,600

City of Plymouth, Minnesota
Capital Improvement Program

2016 thru 2020

PROJECTS BY DEPARTMENT

Department	Project#	Priority	2016	2017	2018	2019	2020	Total
Central Equipment								
Single Axle Plow with Sander 1998 Sterling-Upgrade	09-CE-273	n/a	250,000					250,000
Single Axle Plow with Sander 1999 Sterling	10-CE-274	n/a		225,000				225,000
One Ton with Plow	10-CE-582	n/a	78,000					78,000
Street Sweeper	11-CE-230	n/a			210,000			210,000
Air Compressor	11-CE-319	n/a			38,000			38,000
One Ton 4X4 with Plow	11-CE-585	n/a		72,000				72,000
Back Hoe	12-CE-237	n/a			150,000			150,000
Hammer for Back Hoe	12-CE-237A	n/a			30,000			30,000
Single Axle Plow with Sander 2000 Sterling	12-CE-275	n/a			230,000			230,000
Floor Sweeper/Scrubber for Public Works	12-CE-745	n/a	60,000					60,000
Truck Mounted Patch Unit 2003 Auger style	13-CE-212	n/a	65,000					65,000
Motorgrader	13-CE-238	n/a			308,000			308,000
One Ton Truck with Plow/ Sander	13-CE-253	n/a	72,000					72,000
Single Axle Plow with Sander	13-CE-283	n/a			200,000			200,000
Engineering All Wheel Drive Van	13-CE-404	n/a			30,000			30,000
Chipper Truck	13-CE-590	n/a			85,000			85,000
One Ton Truck with Plow	13-CE-592	n/a			75,000			75,000
3/4 Ton Pickup With Irrigation Utility Box	13-CE-595	n/a			41,000			41,000
Excavator	14-CE-228	n/a				200,000		200,000
Spray Patcher Roscoe	14-CE-234	n/a			265,000			265,000
Single Axle Plow with Sander	14-CE-279	n/a			230,000			230,000
3/4 Ton Pickup with Plow	14-CE-355	n/a	37,000					37,000
Engineering 1/2 Ton 4X4 Pickup to Park Maintenance	14-CE-402	n/a			30,000			30,000
Self Propelled Sprayer	14-CE-561	n/a	0					0
Park Maintenance SUV	14-CE-591	n/a		30,000				30,000
3/4 Ton Pickup with Plow	14-CE-599	n/a	37,000					37,000
Fire Chief SUV	15-CE-037	n/a	35,000					35,000
Trench Remote Sheepsfoot Compactor	15-CE-205	n/a			42,000			42,000
40' Conveyor	15-CE-224	n/a		80,000				80,000
Mower 6'	15-CE-5000	n/a	62,000					62,000
Building Inspections Pickup	16-CE-1700	n/a			28,000			28,000
Police CSO 1/2 Ton Pickup	16-CE-1705	n/a					30,000	30,000
Tandem Axle Plow with Sander	16-CE-280	n/a		250,000				250,000
Tandem Axle Plow with Sander	16-CE-281	n/a	250,000					250,000
Hydo-Seeder Finn T-60	16-CE-303	n/a			35,000			35,000
Jet/Vactor Truck and Attachments	16-CE-354	n/a	367,000					367,000
Meter Repair Truck with Utility Box	16-CE-366	n/a		32,000				32,000
Building Inspections Pickup 4X4.	16-CE-411	n/a	27,000					27,000
Water Truck	16-CE-576	n/a		185,000				185,000
New Building Inspections Pickup 4X4	16-CE-NEW1	n/a	28,000					28,000
Police Marked Squad Car No. 2 (additional)	16-CE-NEW10	n/a		46,000				46,000
Police Command Vehicle No. 1 (additional)	16-CE-NEW11	n/a	35,000					35,000
Police Command Vehicle No. 2 (additional)	16-CE-NEW12	n/a	35,000					35,000
Park Maintenance Larger 18' Chipper	16-CE-NEW2	n/a	50,000					50,000
Park Maintenance 3/4 Ton Pickup 4x4	16-CE-NEW3	n/a	37,000					37,000
Single Axle Truck and Hot Asphalt Patch Box	16-CE-NEW4	n/a	80,000					80,000

Department	Project#	Priority	2016	2017	2018	2019	2020	Total
Valve Exerciser/Vactor Unit	16-CE-NEW5	n/a	71,000					71,000
New Hydrant Maintenance Truck	16-CE-NEW6	n/a	47,000					47,000
Aerial Lift for Facilities and Treatment Plants	16-CE-NEW7	n/a	30,000					30,000
Fire SUV	16-CE-NEW8	n/a	40,000					40,000
Police Marked Squad Car No. 1 (additional)	16-CE-NEW9	n/a	45,000					45,000
Police Squad Cars (3)	16-CE-SQUADS	n/a	120,000					120,000
Police Investigations Pickup	17-CE-1703	n/a			28,000			28,000
Police CSH 1/2 Ton Pickup	17-CE-1717	n/a		30,000				30,000
Excavator CX75	17-CE-225	n/a			150,000			150,000
Back Hoe	17-CE-333	n/a			181,200			181,200
3/4 Ton Pickup 4X2	17-CE-361	n/a		35,000				35,000
3/4 Ton Pickup 4X4 w/Utility Box	17-CE-362	n/a		45,000				45,000
3/4 Ton Pickup 4X4	17-CE-363	n/a		36,000				36,000
Building Inspections Pickup 4X4	17-CE-413	n/a		28,000				28,000
Building Inspections Pickup	17-CE-414	n/a		28,000				28,000
Mower 16'	17-CE-5004	n/a		111,600				111,600
Garbage Truck	17-CE-560	n/a		110,000				110,000
Aerial Bucket Truck	17-CE-562	n/a		120,000				120,000
3/4 Ton Pickup 4x4	17-CE-568	n/a		36,000				36,000
One Ton Truck with Lift Gate	17-CE-575	n/a				80,000		80,000
One Ton 4X4 with Plow and Lift Gate	17-CE-596	n/a				78,000		78,000
Park Maintenance Pickup 4x4	17-CE-NEW1	n/a		38,000				38,000
Tandem Axle Truck for Hauling	17-CE-NEW2	n/a		170,000				170,000
Police Marked Squad Car No. 3 (additional)	17-CE-NEW3	n/a			47,000			47,000
Police Command Vehicle No. 3 (additional)	17-CE-NEW4	n/a		36,000				36,000
Police Squad Cars (3)	17-CE-SQUADS	n/a		123,000				123,000
Engineering SUV	18-CE-033	n/a			30,000			30,000
Police CSO 1/2 Ton Pickup	18-CE-1719	n/a			32,000			32,000
Minivan	18-CE-198	n/a			30,000			30,000
One Ton Truck with Plow	18-CE-2000	n/a			79,000			79,000
2000 624H JD Wheel Loader /plow	18-CE-203	n/a			300,000			300,000
Jetter Vac	18-CE-3022	n/a			32,800			32,800
1990 25 KW Winco Generator	18-CE-325	n/a			30,000			30,000
One Ton with Plow and Contractor Box	18-CE-360	n/a			85,000			85,000
Jetter Truck	18-CE-364	n/a			200,800			200,800
One Ton Truck with Lift Gate	18-CE-365	n/a			74,000			74,000
Wood Chipper	18-CE-5002	n/a			55,400			55,400
Forestry Pickup	18-CE-5003	n/a			26,400			26,400
One Ton 4X4 with Plow	18-CE-598	n/a			94,000			94,000
Tandem Axle Truck for Hauling	18-CE-NEW1	n/a			172,000			172,000
Police Squad Cars (7)	18-CE-SQUADS	n/a			280,000			280,000
Steel Drum Roller Hypac 6500lbs	19-CE-2004	n/a				50,500		50,500
Tandem Axle Plow with Sander	19-CE-285	n/a				270,000		270,000
Televising Van	19-CE-367	n/a				214,000		214,000
3/4 Ton Pickup with Plow	19-CE-5005	n/a				39,500		39,500
3/4 Ton Pickup with Plow	19-CE-5006	n/a				39,500		39,500
Fork Lift 6000 Pund Capacity	19-CE-700	n/a				36,500		36,500
Park Maintenance Tool Cat with Snow Blower	19-CE-NEW1	n/a				0		0
Park Maintenance Utility Tractor with Snow Blower	19-CE-NEW2	n/a				0		0
Park Maintenance One Ton with Dump Box	19-CE-NEW3	n/a		65,000				65,000
New Sidewalk Machine	19-CE-NEW4	n/a				170,000		170,000
Police Squad Cars (7)	19-CE-SQUADS	n/a				301,000		301,000
2010 Police Investigations SUV	20-CE-1706	n/a					30,000	30,000
Police Investigation Vehicle	20-CE-1707	n/a					29,000	29,000
Lee Boy Paver 8510-Upgrade	20-CE-2001	n/a	216,000					216,000
3/4 Ton Pickup 4x4 with Plow	20-CE-2006	n/a					38,000	38,000
Power Prime 4 Inch Pump	20-CE-217	n/a					40,000	40,000

Department	Project#	Priority	2016	2017	2018	2019	2020	Total
2005 Ingersoll Rand 185 Air Compressor	20-CE-239	n/a					31,000	31,000
Tandem Axle Dump Truck with Sander	20-CE-286	n/a					280,000	280,000
Tandem Axle Truck with Sander	20-CE-287	n/a					280,000	280,000
Step Van for Excavations	20-CE-353	n/a					81,000	81,000
3/4 Ton Pickup 4x4	20-CE-368	n/a					34,000	34,000
Minivan	20-CE-4003	n/a					28,000	28,000
3/4 Ton Pickup 4x4 with Plow	20-CE-5008	n/a					41,000	41,000
3/4 Ton Pickup 4X4 with Plow	20-CE-5009	n/a					41,000	41,000
Cargo Van	20-CE-5011	n/a					30,000	30,000
Mower 16'	20-CE-5015	n/a					112,300	112,300
Mower 6'	20-CE-5016	n/a					53,000	53,000
Park Maintenance Small Wheel Loader	20-CE-NEW1	n/a					110,000	110,000
Tractor with Blower	21-CE-505	n/a	60,000					60,000
Medium Duty Fire Rescue Truck	25-CE-035	n/a					360,000	360,000
Central Equipment Total			2,234,000	1,931,600	3,954,600	1,479,000	1,648,300	11,247,500

Facilities Management								
Painting - City Wide	07-FM-008	n/a	30,000	30,000	30,000	30,000	30,000	150,000
Seal Coating/Crack Sealing/Asphalt Repair	08-FM-006	n/a	25,000	25,000	25,000	25,000	25,000	125,000
Misc. Concrete Replacement	08-FM-007	n/a	40,000	40,000	40,000	50,000	50,000	220,000
Chemical De-icing Mixing System - Public Works	14-FM-001	n/a	200,000					200,000
Roof Inspections and Repairs	14-FM-002	n/a	50,000	50,000	50,000	50,000	50,000	250,000
Replace Carpet - Public Works	15-FM-008	n/a		16,000				16,000
Replace Floor Drains - Public Works	15-FM-011	n/a	0					0
Public Works Maintenance Facility Expansion	15-FM-015	n/a	3,000,000	4,000,000				7,000,000
Replace Air Handling Unit - Fire Station 1	16-FM-001	n/a	50,000					50,000
Replace Rooftop Unit - Plymouth Creek Center	16-FM-002	n/a		85,000				85,000
Emergency Siren #14	16-FM-003	n/a	30,000					30,000
Lighting High Efficiency Improvements - Citywide	16-FM-004	n/a	50,000	50,000	50,000	50,000	50,000	250,000
Resurface/Seal Concrete Floor - Public Safety	16-FM-005	n/a	30,000					30,000
Transit Station Improvements	16-FM-006	n/a	430,000					430,000
Replace Air Conditioner in the IT Server Room	16-FM-007	n/a	30,000					30,000
Replace Ballroom Divider - Plymouth Creek Center	17-FM-001	n/a	90,000					90,000
Replace Air Makeup Units - Public Works	18-FM-002	n/a		65,000				65,000
Remodel/Refurnish Office - Public Works	18-FM-003	n/a		25,000				25,000
Replace Floor Tiles - Public Works	18-FM-004	n/a		30,000				30,000
Resurface Floor - Public Works Repair Center	18-FM-005	n/a	20,000					20,000
Resurface/Seal Concrete Floor - Public Works	19-FM-001	n/a			65,000			65,000
Replace Air Makeup Unit - Public Safety Garage	19-FM-002	n/a				50,000		50,000
Replace 3 Roof Top Units - City Hall	20-FM-002	n/a					125,000	125,000
Replace Used Oil Burner - Public Works	20-FM-003	n/a					30,000	30,000
Replace Air Conditioner - DR Room Public Works	20-FM-004	n/a					25,000	25,000
Replace Radiant Heat - Fire Station 1	20-FM-005	n/a					30,000	30,000
Facilities Management Total			4,075,000	4,416,000	260,000	255,000	415,000	9,421,000

Information Technology								
Replace SAN	15-IT-001	n/a		150,000				150,000
Time and Attendance System	15-IT-003	n/a	30,000					30,000
Replace Exchange 2010 Server	15-IT-005	n/a		40,000				40,000
Replace GIS Server	15-IT-006	n/a			25,000			25,000
Replace Park and Recreation Registration Software	15-IT-009	n/a	100,000					100,000
Replace Permitting System	15-IT-011	n/a	250,000					250,000
Disaster Recovery Room Core Swith Upgrade	16-IT-002	n/a	75,000					75,000
Cisco Voice Router Upgrade	16-IT-003	n/a	40,000					40,000
Desktop Management and Helpdesk Software	16-IT-004	n/a	95,000					95,000

Department	Project#	Priority	2016	2017	2018	2019	2020	Total
VDI - Virtual Desktop Infrastructure	16-IT-005	n/a	50,000	50,000				100,000
Upgrade Police Video Surveillance	16-IT-006	n/a	45,000					45,000
Technology Packages Police 3 New Police Vehicles	16-IT-007	n/a	25,000	25,000	25,000			75,000
Technology Package for New Fire SUV	16-IT-008	n/a	25,000					25,000
Website Move to Cloud	16-IT-009	n/a	35,300					35,300
Fiberoptics Interconnections	16-IT-010	n/a	80,000					80,000
Replace Production Image Scanners	17-IT-001	n/a			27,000			27,000
Squad Car Printer Replacement	17-IT-002	n/a		27,000				27,000
Public Safety Body Cameras	17-IT-003	n/a		65,000				65,000
Information Technology Total			850,300	357,000	77,000			1,284,300

Parks and Recreation								
New Trails	07-PR-001	n/a	510,000	35,000	300,000	200,000	350,000	1,395,000
Land Acquisition	07-PR-003	n/a	400,000	400,000	400,000	500,000		1,700,000
Trail Repair	07-PR-004	n/a	205,000	205,000	210,000	210,000	215,000	1,045,000
Replace Irrigation Systems	07-PR-005	n/a			75,000	205,000	225,000	505,000
Trail Crossing	08-PR-001	n/a	1,600,000					1,600,000
Playground Replacement or Renovation	10-PR-001	n/a	500,000	210,000	500,000	200,000	500,000	1,910,000
Add/Replace Outdoor Hockey Rinks	10-PR-004	n/a		300,000	150,000		175,000	625,000
Miscellaneous Park Improvements	10-PR-008	n/a	141,000	125,000	100,000	100,000	75,000	541,000
Replace Ice Center Zambonis	13-PIC-001	n/a				150,000		150,000
Neighborhood Parks	13-PR-001	n/a	400,000	420,000	420,000		500,000	1,740,000
Relace Ice Center Rubber Flooring	14-PIC-001	n/a		75,000				75,000
Replace Ice Center Dehumidifier Desicant Wheels	14-PIC-003	n/a	30,000				35,000	65,000
Replace Miscellaneous Boardwalks	14-PR-003	n/a	30,000	35,000	25,000	30,000		120,000
Tennis Court Repair	14-PR-004	n/a	240,000				275,000	515,000
Northwest Greenway Trail	14-PR-005	n/a	900,000	1,100,000	2,100,000			4,100,000
Ice Center Refrigerant Conversion	15-PIC-001	n/a	1,355,800					1,355,800
Ice Center Olympic Rink Conversion	15-PIC-002	n/a	850,000					850,000
Parking Lot Repair/Replacement	15-PR-002	n/a	1,350,000		350,000		550,000	2,250,000
Outdoor Turf Field	15-PR-003	n/a		1,000,000				1,000,000
Replace Ice Center Roof Top Air Handler	16-PIC-001	n/a	80,000					80,000
Replace Ice Center Roof	16-PIC-002	n/a	1,350,000					1,350,000
RUPP Roof Air-Exchange/Handler	16-PIC-003	n/a	30,000					30,000
Ice Center Energy Management System	16-PIC-004	n/a	30,000					30,000
New Pump Track	16-PR-001	n/a	90,000					90,000
Park Lighting	16-PR-002	n/a	150,000	275,000	100,000	110,000	120,000	755,000
Electronic Reader Board Repair/Renovation	16-PR-003	n/a	40,000		75,000			115,000
Replace Ice Center Dasher Boards	17-PIC-001	n/a	75,000			75,000		150,000
Park Building Renovation and Repair	17-PR-001	n/a	50,000	500,000	50,000		500,000	1,100,000
Replace Ice Center Scoreboards	18-PIC-001	n/a			36,000			36,000
Fieldhouse Dome Replacement	19-PR-001	n/a		600,000				600,000
Replace Cooling Towers at Plymouth Ice Center	20-PIC-001	n/a					110,000	110,000
10th Playfield Land Development	20-PR-001	n/a					4,000,000	4,000,000
Parks and Recreation Total			10,406,800	5,280,000	4,891,000	1,780,000	7,630,000	29,987,800

Sanitary Sewer								
Line Sanitary Sewer Main: Annual Program	06-SS-003	n/a	780,000	860,000	930,000	1,000,000	1,000,000	4,570,000
Trunk Sewer Oversizing	08-SS-002	n/a	100,000	100,000	100,000	100,000	100,000	500,000
Refurbish Sunset Hill Lift Station	14-SS-002	n/a	600,000					600,000
Refurbish Greentree Lift Station	15-SS-001	n/a	90,000	600,000				690,000
15th Ave./Pineview Lane San. Sewer Replacement	15-SS-002	n/a	400,000					400,000
Abandon Autumn Hills Lift Station	16-SS-001	n/a	100,000	500,000				600,000
Backup Pumps Larger Lift Stations	16-SS-002	n/a	110,000	55,000				165,000
Connect Bass Lake Lift Station to Fiberoptics	17-SS-002	n/a		115,000				115,000

Department	Project#	Priority	2016	2017	2018	2019	2020	Total
Refurbish Bass Lake Plaza Lift Station	18-SS-001	n/a		100,000	700,000			800,000
Sanitary Sewer Total			2,180,000	2,330,000	1,730,000	1,100,000	1,100,000	8,440,000
Streets								
CR 24 - 30th Avenue to CR 101	08-ST-004	n/a	3,300,000					3,300,000
Rail X-ing Safety Improvements - Zachary Lane	08-ST-006	n/a	260,000					260,000
Mill & Overlay Projects	09-ST-004	n/a	800,000	1,000,000	1,800,000	700,000	1,000,000	5,300,000
Replace Retaining Walls	09-ST-006	n/a	120,000	90,000	90,000	90,000	90,000	480,000
Edge Mill and Overlay Projects	09-ST-007	n/a	2,720,000	2,720,000	2,720,000	2,720,000	2,720,000	13,600,000
Vicksburg Lane - Schmidt Lake Rd to Maple Grove	11-ST-005	n/a	13,300,000	1,000,000				14,300,000
Concrete Sidewalk Replacement	11-ST-010	n/a	100,000	50,000	50,000	50,000	50,000	300,000
Nathan Lane & CR 10 Intersection	12-ST-002	n/a	100,000	500,000				600,000
TH 55 Frontage Road Reconstruction	14-ST-002	n/a	750,000					750,000
Flashing Yellow Arrow Signal Conversions	15-ST-004	n/a	500,000	500,000				1,000,000
Upgrade Crosswalk Signage	15-ST-005	n/a	50,000					50,000
2016 Street Reconstruction	16-ST-001	n/a	1,170,000					1,170,000
2017 Street Reconstruction	17-ST-001	n/a	80,000	2,420,000				2,500,000
Frontage Road Southwest Corner CSAH 101 and TH55	17-ST-002	n/a		800,000				800,000
54th Avenue from Peony Lane to CSAH 101	17-ST-003	n/a		3,900,000				3,900,000
2018 Street Reconstruction	18-ST-001	n/a		80,000	2,000,000			2,080,000
Troy Lane from 54th Avenue to CR 47	18-ST-002	n/a			3,500,000			3,500,000
2019 Street Reconstruction	19-ST-001	n/a			80,000	2,000,000		2,080,000
57th Avenue from Woodcrest to Juneau Lane	19-ST-002	n/a				3,300,000		3,300,000
Juneau Lane from Hampton Hills to 59th Avenue	20-ST-001	n/a					2,500,000	2,500,000
2020 Street Reconstruction	20-ST-002	n/a				80,000	2,000,000	2,080,000
Streets Total			23,250,000	13,060,000	10,240,000	8,940,000	8,360,000	63,850,000
Water								
Well Refurbishing	07-W-002	n/a	255,000	265,000	270,000	280,000	280,000	1,350,000
Trunk Watermain Oversizing	08-W-003	n/a	220,000	220,000	220,000	220,000	220,000	1,100,000
Refurbish Zachary Water Tower	12-W-001	n/a	70,000	1,000,000				1,070,000
Wells 18 and 19 and New Water Treatment Plant	13-W-002	n/a					7,600,000	7,600,000
Powerwash Elevated Storage Facilities	15-W-001	n/a	25,000	25,000	50,000	25,000	25,000	150,000
Water Meter Replacement	15-W-003	n/a	5,000,000					5,000,000
Replace Boilers and Heat Heat Pump - Zachary WTP	16-W-002	n/a	143,000	40,000				183,000
Refurbish Central Water Tower	19-W-001	n/a			130,000	1,500,000		1,630,000
Water Total			5,713,000	1,550,000	670,000	2,025,000	8,125,000	18,083,000
Water Resources								
Maintain Water Quality Ponds	06-WR-002	n/a	125,000	125,000	125,000	125,000	125,000	625,000
Unspecified Drainage Improvement	08-WR-003	n/a		175,000			250,000	425,000
Elm Creek Stream Restoration	14-WR-002	n/a	400,000					400,000
Kilmer Park Pond and Stream Restoration	14-WR-004	n/a	45,000			300,000		345,000
Plymouth Creek Park Stream Restoration	15-WR-001	n/a	50,000	400,000				450,000
Mount Olivet Stream Restoration	15-WR-003	n/a				50,000	250,000	300,000
Chelsea Woods Drainage - Weston Ln. to CR 6	15-WR-004	n/a	50,000	300,000	300,000			650,000
Weston Lane Storm Sewer Lift Station Rehab.	16-WR-001	n/a			50,000	500,000		550,000
Plymouth Creek Stream Restoration	16-WR-002	n/a				50,000	250,000	300,000
15th Ave./ Pineview Lane Storm Sewer Replacement	16-WR-003	n/a	770,000	750,000				1,520,000
Quail Ridge 3rd Addition	16-WR-004	n/a	50,000	350,000				400,000
Wild Wings Western Wetland Improvements	17-WR-001	n/a		25,000	100,000	100,000		225,000
Wood Creek Tributary - Armstrong H.S. to 34th Ave.	17-WR-002	n/a				50,000	300,000	350,000
Harbor Place Erosion Repair	17-WR-003	n/a		50,000	200,000			250,000
French Ridge Park Drainage Improvement	17-WR-004	n/a		25,000	100,000			125,000

Department	Project#	Priority	2016	2017	2018	2019	2020	Total
St. Marys Addition Drainage Improvement	18-WR-001	n/a			25,000	125,000		150,000
Mengelkochs First Addition Drainage Improvement	18-WR-002	n/a			50,000	125,000		175,000
19th Avenue/Dunkirk Lane Pond Improvement	19-WR-001	n/a				50,000	500,000	550,000
Parkers Lake Park Drainage Improvement	19-WR-002	n/a				75,000	300,000	375,000
Maple Creek Stream Restoration	20-WR-001	n/a					100,000	100,000
Water Resources Total			1,490,000	2,200,000	950,000	1,550,000	2,075,000	8,265,000
GRAND TOTAL			50,199,100	31,124,600	22,772,600	17,129,000	29,353,300	150,578,600

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City of Plymouth, Minnesota
Capital Improvement Program
2016 thru 2020

PROJECTS & FUNDING SOURCES BY DEPARTMENT

Department	Project#	Priority	2016	2017	2018	2019	2020	Total
Central Equipment								
Single Axle Plow with Sander 1998 Sterling-Upgrade	09-CE-273	n/a	250,000					250,000
Single Axle Plow with Sander 1999 Sterling	10-CE-274	n/a		225,000				225,000
One Ton with Plow	10-CE-582	n/a	78,000					78,000
Street Sweeper	11-CE-230	n/a			210,000			210,000
Air Compressor	11-CE-319	n/a			38,000			38,000
One Ton 4X4 with Plow	11-CE-585	n/a		72,000				72,000
Back Hoe	12-CE-237	n/a			150,000			150,000
Hammer for Back Hoe	12-CE-237A	n/a			30,000			30,000
Single Axle Plow with Sander 2000 Sterling	12-CE-275	n/a			230,000			230,000
Floor Sweeper/Scrubber for Public Works	12-CE-745	n/a	60,000					60,000
Truck Mounted Patch Unit 2003 Auger style	13-CE-212	n/a	65,000					65,000
Motorgrader	13-CE-238	n/a			308,000			308,000
One Ton Truck with Plow/ Sander	13-CE-253	n/a	72,000					72,000
Single Axle Plow with Sander	13-CE-283	n/a			200,000			200,000
Engineering All Wheel Drive Van	13-CE-404	n/a			30,000			30,000
Chipper Truck	13-CE-590	n/a			85,000			85,000
One Ton Truck with Plow	13-CE-592	n/a			75,000			75,000
3/4 Ton Pickup With Irrigation Utility Box	13-CE-595	n/a			41,000			41,000
Excavator	14-CE-228	n/a				200,000		200,000
Spray Patcher Roscoe	14-CE-234	n/a			265,000			265,000
Single Axle Plow with Sander	14-CE-279	n/a			230,000			230,000
3/4 Ton Pickup with Plow	14-CE-355	n/a	37,000					37,000
Engineering 1/2 Ton 4X4 Pickup to Park Maintenance	14-CE-402	n/a			30,000			30,000
Self Propelled Sprayer	14-CE-561	n/a	0					0
Park Maintenance SUV	14-CE-591	n/a		30,000				30,000
3/4 Ton Pickup with Plow	14-CE-599	n/a	37,000					37,000
Fire Chief SUV	15-CE-037	n/a	35,000					35,000
Trench Remote Sheepsfoot Compactor	15-CE-205	n/a			42,000			42,000
40' Conveyor	15-CE-224	n/a		80,000				80,000
Mower 6'	15-CE-5000	n/a	62,000					62,000
Building Inspections Pickup	16-CE-1700	n/a			28,000			28,000
Police CSO 1/2 Ton Pickup	16-CE-1705	n/a					30,000	30,000
Tandem Axle Plow with Sander	16-CE-280	n/a		250,000				250,000
Tandem Axle Plow with Sander	16-CE-281	n/a	250,000					250,000
Hydo-Seeder Finn T-60	16-CE-303	n/a			35,000			35,000
Jet/Vactor Truck and Attachments	16-CE-354	n/a	367,000					367,000
Meter Repair Truck with Utility Box	16-CE-366	n/a		32,000				32,000
Building Inspections Pickup 4X4.	16-CE-411	n/a	27,000					27,000
Water Truck	16-CE-576	n/a		185,000				185,000

Department	Project#	Priority	2016	2017	2018	2019	2020	Total
New Building Inspections Pickup 4X4	16-CE-NEW1	n/a	28,000					28,000
Police Marked Squad Car No. 2 (additional)	16-CE-NEW10	n/a		46,000				46,000
Police Command Vehicle No. 1 (additional)	16-CE-NEW11	n/a	35,000					35,000
Police Command Vehicle No. 2 (additional)	16-CE-NEW12	n/a	35,000					35,000
Park Maintenance Larger 18' Chipper	16-CE-NEW2	n/a	50,000					50,000
Park Maintenance 3/4 Ton Pickup 4x4	16-CE-NEW3	n/a	37,000					37,000
Single Axle Truck and Hot Asphalt Patch Box	16-CE-NEW4	n/a	80,000					80,000
Valve Exerciser/Vactor Unit	16-CE-NEW5	n/a	71,000					71,000
New Hydrant Maintenance Truck	16-CE-NEW6	n/a	47,000					47,000
Aerial Lift for Facilities and Treatment Plants	16-CE-NEW7	n/a	30,000					30,000
Fire SUV	16-CE-NEW8	n/a	40,000					40,000
Police Marked Squad Car No. 1 (additional)	16-CE-NEW9	n/a	45,000					45,000
Police Squad Cars (3)	16-CE-SQUADS	n/a	120,000					120,000
Police Investigations Pickup	17-CE-1703	n/a			28,000			28,000
Police CSH 1/2 Ton Pickup	17-CE-1717	n/a		30,000				30,000
Excavator CX75	17-CE-225	n/a			150,000			150,000
Back Hoe	17-CE-333	n/a			181,200			181,200
3/4 Ton Pickup 4X2	17-CE-361	n/a		35,000				35,000
3/4 Ton Pickup 4X4 w/Utility Box	17-CE-362	n/a		45,000				45,000
3/4 Ton Pickup 4X4	17-CE-363	n/a		36,000				36,000
Building Inspections Pickup 4X4	17-CE-413	n/a		28,000				28,000
Building Inspections Pickup	17-CE-414	n/a		28,000				28,000
Mower 16 '	17-CE-5004	n/a		111,600				111,600
Garbage Truck	17-CE-560	n/a		110,000				110,000
Aerial Bucket Truck	17-CE-562	n/a		120,000				120,000
3/4 Ton Pickup 4x4	17-CE-568	n/a		36,000				36,000
One Ton Truck with Lift Gate	17-CE-575	n/a				80,000		80,000
One Ton 4X4 with Plow and Lift Gate	17-CE-596	n/a				78,000		78,000
Park Maintenance Pickup 4x4	17-CE-NEW1	n/a		38,000				38,000
Tandem Axle Truck for Hauling	17-CE-NEW2	n/a		170,000				170,000
Police Marked Squad Car No. 3 (additional)	17-CE-NEW3	n/a			47,000			47,000
Police Command Vehicle No. 3 (additional)	17-CE-NEW4	n/a		36,000				36,000
Police Squad Cars (3)	17-CE-SQUADS	n/a		123,000				123,000
Engineering SUV	18-CE-033	n/a			30,000			30,000
Police CSO 1/2 Ton Pickup	18-CE-1719	n/a			32,000			32,000
Minivan	18-CE-198	n/a			30,000			30,000
One Ton Truck with Plow	18-CE-2000	n/a			79,000			79,000
2000 624H JD Wheel Loader /plow	18-CE-203	n/a			300,000			300,000
Jetter Vac	18-CE-3022	n/a			32,800			32,800
1990 25 KW Winco Generator	18-CE-325	n/a			30,000			30,000
One Ton with Plow and Contractor Box	18-CE-360	n/a			85,000			85,000
Jetter Truck	18-CE-364	n/a			200,800			200,800
One Ton Truck with Lift Gate	18-CE-365	n/a			74,000			74,000
Wood Chipper	18-CE-5002	n/a			55,400			55,400
Forestry Pickup	18-CE-5003	n/a			26,400			26,400
One Ton 4X4 with Plow	18-CE-598	n/a			94,000			94,000
Tandem Axle Truck for Hauling	18-CE-NEW1	n/a			172,000			172,000
Police Squad Cars (7)	18-CE-SQUADS	n/a			280,000			280,000
Steel Drum Roller Hypac 6500lbs	19-CE-2004	n/a				50,500		50,500

Department	Project#	Priority	2016	2017	2018	2019	2020	Total
Tandem Axle Plow with Sander	19-CE-285	n/a				270,000		270,000
Televising Van	19-CE-367	n/a				214,000		214,000
3/4 Ton Pickup with Plow	19-CE-5005	n/a				39,500		39,500
3/4 Ton Pickup with Plow	19-CE-5006	n/a				39,500		39,500
Fork Lift 6000 Pund Capacity	19-CE-700	n/a				36,500		36,500
Park Maintenance Tool Cat with Snow Blower	19-CE-NEW1	n/a				0		0
Park Maintenance Utility Tractor with Snow Blower	19-CE-NEW2	n/a				0		0
Park Maintenance One Ton with Dump Box	19-CE-NEW3	n/a		65,000				65,000
New Sidewalk Machine	19-CE-NEW4	n/a				170,000		170,000
Police Squad Cars (7)	19-CE-SQUADS	n/a				301,000		301,000
2010 Police Investigations SUV	20-CE-1706	n/a					30,000	30,000
Police Investigation Vehicle	20-CE-1707	n/a					29,000	29,000
Lee Boy Paver 8510-Upgrade	20-CE-2001	n/a	216,000					216,000
3/4 Ton Pickup 4x4 with Plow	20-CE-2006	n/a					38,000	38,000
Power Prime 4 Inch Pump	20-CE-217	n/a					40,000	40,000
2005 Ingersoll Rand 185 Air Compressor	20-CE-239	n/a					31,000	31,000
Tandem Axle Dump Truck with Sander	20-CE-286	n/a					280,000	280,000
Tandem Axle Truck with Sander	20-CE-287	n/a					280,000	280,000
Step Van for Excavations	20-CE-353	n/a					81,000	81,000
3/4 Ton Pickup 4x4	20-CE-368	n/a					34,000	34,000
Minivan	20-CE-4003	n/a					28,000	28,000
3/4 Ton Pickup 4x4 with Plow	20-CE-5008	n/a					41,000	41,000
3/4 Ton Pickup 4X4 with Plow	20-CE-5009	n/a					41,000	41,000
Cargo Van	20-CE-5011	n/a					30,000	30,000
Mower 16'	20-CE-5015	n/a					112,300	112,300
Mower 6'	20-CE-5016	n/a					53,000	53,000
Park Maintenance Small Wheel Loader	20-CE-NEW1	n/a					110,000	110,000
Tractor with Blower	21-CE-505	n/a	60,000					60,000
Medium Duty Fire Rescue Truck	25-CE-035	n/a					360,000	360,000

Central Equipment Total **2,234,000** **1,931,600** **3,954,600** **1,479,000** **1,648,300** **11,247,500**

<i>Central Equipment Fund</i>	1,610,000	1,537,600	3,735,600	1,309,000	1,538,300	9,730,500
<i>Facilities Management</i>	15,000					15,000
<i>General Fund</i>	476,000	224,000	47,000	170,000	110,000	1,027,000
<i>Grants</i>	10,000					10,000
<i>Sewer Fund</i>		50,000	50,000			100,000
<i>Water Fund</i>	123,000	60,000	61,000			244,000
<i>Water Resources Fund</i>		60,000	61,000			121,000

Central Equipment Total **2,234,000** **1,931,600** **3,954,600** **1,479,000** **1,648,300** **11,247,500**

Grand Total **2,234,000** **1,931,600** **3,954,600** **1,479,000** **1,648,300** **11,247,500**

Project # 09-CE-273
Project Name Single Axle Plow with Sander 1998 Sterling-Upgrade

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

Single axle dump truck used for snow removal, ice control and summer project support. 1998 Sterling. This truck would be upgraded to a tandem axle truck for street maintenance and snow plowing.

Justification

Scheduled replacement in 2009. Need to replace will be re-evaluated in programmed year. Replacing it with a tandem axle would provide for more uses such as hauling material for paving projects and snow and ice removal.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings	250,000					250,000
Total	250,000					250,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund	220,000					220,000
General Fund	30,000					30,000
Total	250,000					250,000

Project # 10-CE-274
Project Name Single Axle Plow with Sander 1999 Sterling

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

Single axle dump truck used for snow removal, ice control and summer project support.

Justification

Scheduled replacement in 2010. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings		225,000				225,000
Total		225,000				225,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund		225,000				225,000
Total		225,000				225,000

Project # 10-CE-582
Project Name One Ton with Plow

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

2000 F-450 4x4 one ton with plow.

Justification

Scheduled replacement in 2010. Need to replace will be re-evaluated in programmed year. Truck box and frame was sandblasted and painted in March of 2010.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings	78,000					78,000
Total	78,000					78,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund	78,000					78,000
Total	78,000					78,000

Project # 11-CE-230
Project Name Street Sweeper

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

2003 Elgin Pelican broom street sweeper.

Justification

Major refurbishing in 2012 should postpone replacement until 2018.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings			210,000			210,000
Total			210,000			210,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund			210,000			210,000
Total			210,000			210,000

Project # 11-CE-319
Project Name Air Compressor

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

1996 Ingersoll P375 air compressor, 375 cfs, used to blow irrigation lines and hammering.

Justification

Scheduled replacement in 2011. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings			38,000			38,000
Total			38,000			38,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund			38,000			38,000
Total			38,000			38,000

Project # 11-CE-585
Project Name One Ton 4X4 with Plow

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

2001 F-350 Forestry one ton 4X4 with plow.

Justification

Scheduled replacement in 2011. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings		72,000				72,000
Total		72,000				72,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund		72,000				72,000
Total		72,000				72,000

Project # 12-CE-237
Project Name Back Hoe

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

2002 430 Caterpillar back hoe.

Justification

Scheduled replacement in 2012. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings			150,000			150,000
Total			150,000			150,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund			150,000			150,000
Total			150,000			150,000

Project # 12-CE-237A
Project Name Hammer for Back Hoe

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

Hammer attachment for 430 Caterpillar back hoe.

Justification

Scheduled replacement in 2012. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings			30,000			30,000
Total			30,000			30,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund			30,000			30,000
Total			30,000			30,000

Project # 12-CE-275
Project Name Single Axle Plow with Sander 2000 Sterling

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

2002 Single axle dump truck used for snow removal, ice control and summer project support.

Justification

Scheduled replacement in 2012. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings			230,000			230,000
Total			230,000			230,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund			230,000			230,000
Total			230,000			230,000

Project # 12-CE-745
Project Name Floor Sweeper/Scrubber for Public Works

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

Floor sweeper and scrubber for Public Works Facility.

Justification

Scheduled replacement in 2012. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings	60,000					60,000
Total	60,000					60,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund	60,000					60,000
Total	60,000					60,000

Project # 13-CE-212
Project Name Truck Mounted Patch Unit 2003 Auger style

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

2003 auger style truck mounted asphalt patching unit for street maintenance activities.

Justification

Scheduled replacement in 2013. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings	65,000					65,000
Total	65,000					65,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund	65,000					65,000
Total	65,000					65,000

Project # 13-CE-238
Project Name Motorgrader

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

Caterpillar motorgrader.

Justification

Scheduled replacement in 2013. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings			308,000			308,000
Total			308,000			308,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund			308,000			308,000
Total			308,000			308,000

Project # 13-CE-253
Project Name One Ton Truck with Plow/ Sander

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

2003 F-450 one ton truck with plow.

Justification

Scheduled replacement in 2013. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings	72,000					72,000
Total	72,000					72,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund	72,000					72,000
Total	72,000					72,000

Project # 13-CE-283
Project Name Single Axle Plow with Sander

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

2007 Sterling single axle plow with v-box and sander. Replace entire truck chasis and sander with traditional truck, box and sander.

Justification

Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings			200,000			200,000
Total			200,000			200,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund			200,000			200,000
Total			200,000			200,000

Project # 13-CE-404
Project Name Engineering All Wheel Drive Van

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

2005 Chevrolet all wheel drive van used by Engineering for construction inspection and surveying equipment.

Justification

Scheduled replacement in 2013. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings			30,000			30,000
Total			30,000			30,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund			30,000			30,000
Total			30,000			30,000

Project # 13-CE-590
Project Name Chipper Truck

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

2003 International collection truck for wood chipping.

Justification

Scheduled replacement in 2013. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings			85,000			85,000
Total			85,000			85,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund			85,000			85,000
Total			85,000			85,000

Project # 13-CE-592
Project Name One Ton Truck with Plow

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

2003 F-450 one ton truck with plow.

Justification

Scheduled replacement in 2013. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings			75,000			75,000
Total			75,000			75,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund			75,000			75,000
Total			75,000			75,000

Project # 13-CE-595
Project Name 3/4 Ton Pickup With Irrigation Utility Box

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

2005 Chevrolet 3/4 ton Pickup with utility box for irrigation maintenance.
 Moved back --used only in summer

Justification

Scheduled replacement in 2013. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings			41,000			41,000
Total			41,000			41,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund			41,000			41,000
Total			41,000			41,000

Project # 14-CE-228
Project Name Excavator

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

2004 Case CX 160 Excavator.

Justification

Scheduled replacement in 2014. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings				200,000		200,000
Total				200,000		200,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund				200,000		200,000
Total				200,000		200,000

Project # 14-CE-234
Project Name Spray Patcher Roscoe

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

2004 Roscoe RA-300 Spray Patcher for street maintenance activities. This equipment will be analyzed to determine replacement needs.

Justification

Scheduled replacement in 2014. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings			265,000			265,000
Total			265,000			265,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund			265,000			265,000
Total			265,000			265,000

Project # 14-CE-279
Project Name Single Axle Plow with Sander

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

2003 Sterling single axle plow with sander.

Justification

Scheduled replacement in 2014. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings			230,000			230,000
Total			230,000			230,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund			230,000			230,000
Total			230,000			230,000

Project # 14-CE-355
Project Name 3/4 Ton Pickup with Plow

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

2004 Chevrolet 3/4 ton Pickup with plow.

Justification

Scheduled replacement in 2014. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings	37,000					37,000
Total	37,000					37,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund	37,000					37,000
Total	37,000					37,000

Project # 14-CE-402
Project Name Engineering 1/2 Ton 4X4 Pickup to Park Maintenance

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

2004 Chevrolet 1/2 ton pickup 4X4 used by Engineering for construction inspection.
 2014 was moved to Park Maintenance for summer use. #586 was sold instead of #402

Justification

Scheduled replacement in 2014. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings			30,000			30,000
Total			30,000			30,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund			30,000			30,000
Total			30,000			30,000

Project # 14-CE-561
Project Name Self Propelled Sprayer

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

1994 Self propelled Toro sprayer.

Justification

Scheduled replacement in 2014. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings	0					0
Total	0					0

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund	0					0
Total	0					0

Project # 14-CE-591
Project Name Park Maintenance SUV

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

Grand Cherokee 2004 Model in service 2003.
 This vehicle was moved to Engineering in 2014. #190 was sold in its place.

Justification

Scheduled replacement in 2014. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings		30,000				30,000
Total		30,000				30,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund		30,000				30,000
Total		30,000				30,000

Project # 14-CE-599
Project Name 3/4 Ton Pickup with Plow

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

2006 Chevrolet extended cab 3/4 ton Pickup with plow.

Justification

Scheduled replacement in 2014. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings	37,000					37,000
Total	37,000					37,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund	37,000					37,000
Total	37,000					37,000

Project # 15-CE-037
Project Name Fire Chief SUV

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

2007 Chevy Trailblazer 4X4.

Justification

Scheduled replacement in 2015. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings	35,000					35,000
Total	35,000					35,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund	35,000					35,000
Total	35,000					35,000

Project # 15-CE-205
Project Name Trench Remote Sheepsfoot Compactor

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

Whacher sheeps-foot articulated roller. Replacement moved to 2018.

Justification

Scheduled replacement in 2015. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings			42,000			42,000
Total			42,000			42,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund			42,000			42,000
Total			42,000			42,000

Project # 15-CE-224
Project Name 40' Conveyor

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

Belt driver conveyor with screen. This conveyor would be upgraded to a longer, stacking conveyor for the salt storage building to store salt to its full capacity.

Justification

Scheduled replacement in 2015. Need to replace will be re-evaluated in programmed year.
 Currently the conveyor cannot stack salt to the maximum height of the salt storage building and a loader is needed to pile salt any higher. Driving a loader on the pile is unstable and tipp and can be unsafe. Driving on the salt also impacts the material.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings		80,000				80,000
Total		80,000				80,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund		41,000				41,000
General Fund		39,000				39,000
Total		80,000				80,000

Project # 15-CE-5000
Project Name Mower 6'

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

2008 GM 7210 6 foot mower with broom and blower.

Justification

Scheduled replacement in 2015. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings	62,000					62,000
Total	62,000					62,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund	62,000					62,000
Total	62,000					62,000

Project # 16-CE-1700
Project Name Building Inspections Pickup

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

Light duty 4X4 Colorado pickup.

Justification

Scheduled replacement in 2016. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings			28,000			28,000
Total			28,000			28,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund			28,000			28,000
Total			28,000			28,000

Project # 16-CE-1705
Project Name Police CSO 1/2 Ton Pickup

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

Chevy 1/2 ton 4X4 pickup with topper. Has plow now moved to Facilities in 2014. #496 went to Ice Center and #403 was sold.

Justification

Scheduled replacement in 2016. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings					30,000	30,000
Total					30,000	30,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund					30,000	30,000
Total					30,000	30,000

Project # 16-CE-280
Project Name Tandem Axle Plow with Sander

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

Tandem axle dump truck used for snow removal, ice control and summer project support.

Justification

Scheduled replacement in 2016. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings		250,000				250,000
Total		250,000				250,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund		250,000				250,000
Total		250,000				250,000

Project # 16-CE-281
Project Name Tandem Axle Plow with Sander

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

Tandem axle dump truck used for snow removal, ice control and summer project support.

Justification

Scheduled replacement in 2016. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings	250,000					250,000
Total	250,000					250,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund	250,000					250,000
Total	250,000					250,000

Project # 16-CE-303
Project Name Hydo-Seeder Finn T-60

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

Hydro-seeder.

Justification

Scheduled replacement in 2016. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings			35,000			35,000
Total			35,000			35,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund			35,000			35,000
Total			35,000			35,000

Project # 16-CE-354
Project Name Jet/Vactor Truck and Attachments

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

Jet/Vactor truck used by utilities.

Justification

Scheduled replacement in 2016. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings	367,000					367,000
Total	367,000					367,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund	367,000					367,000
Total	367,000					367,000

Project # 16-CE-366
Project Name Meter Repair Truck with Utility Box

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

Chevy 1/2 ton pickup with utility box.

Justification

Scheduled replacement in 2016. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings		32,000				32,000
Total		32,000				32,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund		32,000				32,000
Total		32,000				32,000

Project # 16-CE-411
Project Name Building Inspections Pickup 4X4.

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

Light duty building inspections 4X4 pickup.

Justification

Scheduled replacement in 2016. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings	27,000					27,000
Total	27,000					27,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund	27,000					27,000
Total	27,000					27,000

Project # 16-CE-576
Project Name Water Truck

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

1999 GMC Rosco 2000 gallon tanker for ice rink maint and for watering needs in the summer.

Justification

Scheduled replacement in 2016. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings		185,000				185,000
Total		185,000				185,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund		185,000				185,000
Total		185,000				185,000

Project # 16-CE-NEW1
Project Name New Building Inspections Pickup 4X4

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

New vehicle for Building Inspections for their 2015 added employee.

Justification

An additional building inspector was approved with the 2015 budget but and inspections vehicle was not budgeted for.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings	28,000					28,000
Total	28,000					28,000

Funding Sources	2016	2017	2018	2019	2020	Total
General Fund	28,000					28,000
Total	28,000					28,000

Project # 16-CE-NEW10
Project Name Police Marked Squad Car No. 2 (additional)

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

This purchase would be a new marked squad car and setup.

Justification

This marked squad car will be used for the new patrol area.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings		46,000				46,000
Total		46,000				46,000

Funding Sources	2016	2017	2018	2019	2020	Total
General Fund		46,000				46,000
Total		46,000				46,000

Project # 16-CE-NEW11
Project Name Police Command Vehicle No. 1 (additional)

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

This purchase would be a new unmarked command vehicle and setup.

Justification

This marked squad car will be used for the new command position.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings	35,000					35,000
Total	35,000					35,000

Funding Sources	2016	2017	2018	2019	2020	Total
General Fund	35,000					35,000
Total	35,000					35,000

Project # 16-CE-NEW12
Project Name Police Command Vehicle No. 2 (additional)

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

This purchase would be a new unmarked command vehicle and setup.

Justification

This marked squad car will be used for the new command position.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings	35,000					35,000
Total	35,000					35,000

Funding Sources	2016	2017	2018	2019	2020	Total
General Fund	35,000					35,000
Total	35,000					35,000

Project # 16-CE-NEW2
Project Name Park Maintenance Larger 18' Chipper

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

18" diameter chipper.

Justification

Increased need for a higher capacity chipper to handle invasive species, tree trimming and tree removals.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings	50,000					50,000
Total	50,000					50,000

Funding Sources	2016	2017	2018	2019	2020	Total
General Fund	50,000					50,000
Total	50,000					50,000

Project # 16-CE-NEW3
Project Name Park Maintenance 3/4 Ton Pickup 4x4

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

This is a new pickup for Park Maintenance operations.

Justification

Increased need for park and forestry maintenance as west and nothwest Plymouth develops.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings	37,000					37,000
Total	37,000					37,000

Funding Sources	2016	2017	2018	2019	2020	Total
General Fund	37,000					37,000
Total	37,000					37,000

Project # 16-CE-NEW4
Project Name Single Axle Truck and Hot Asphalt Patch Box

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

This purchase would be a new chassis for a hot asphalt patc box dedicated to pothole patching. The existing hot asphalt patch box is scheduled for replacement in 2016 (13-CE-212). This chassis would be a low profile unit that is more easily accessible from the cab to the street for stop-and-go patching.

Justification

This would be a dedicated patching unit available to repair holes and water break patches year around. The truck would be able to get hot mix from all of the asphalt plants even those with height and weight restrictions that preclude the use of tandem axle trucks.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings	80,000					80,000
Total	80,000					80,000

Funding Sources	2016	2017	2018	2019	2020	Total
General Fund	80,000					80,000
Total	80,000					80,000

Project # 16-CE-NEW5
Project Name Valve Exerciser/Vactor Unit

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

This purchase would be a new unit that would allow for the mechanized exercising of valves and combination vactor unit. Exercising valves is currently done manually and can cause repetitive motion injuries. A matching grant of \$10,000 is available from the LMCIT for safety equipment.

Justification

Routine exercising of all valves is needed to ensure proper operation and to avoid leaks.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings	71,000					71,000
Total	71,000					71,000

Funding Sources	2016	2017	2018	2019	2020	Total
Grants	10,000					10,000
Water Fund	61,000					61,000
Total	71,000					71,000

Project # 16-CE-NEW6
Project Name New Hydrant Maintenance Truck

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

This purchase would be a new unit that would be used for annual hydrant maintenance. Currently carryover trucks are being used for this purpose.

Justification

Ongoing repair costs for carryover vehicles are increasing and storing tools and supplies in an open truck bed is inefficient.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings	47,000					47,000
Total	47,000					47,000

Funding Sources	2016	2017	2018	2019	2020	Total
Water Fund	47,000					47,000
Total	47,000					47,000

Project # 16-CE-NEW7
Project Name Aerial Lift for Facilities and Treatment Plants

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

This purchase would be a new unit that would be used for overhead work in city facilities and in the water treatment plants. Currently lifts are rented on an as needed basis, however, needs for such a unit continue to rise. A transport trailer would also be purchased. Cost would be split between Water Fund and Facilities Management.

Justification

Rental costs are beginning to exceed the cost of ownership as needs continue to increase.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings	30,000					30,000
Total	30,000					30,000

Funding Sources	2016	2017	2018	2019	2020	Total
Facilities Management	15,000					15,000
Water Fund	15,000					15,000
Total	30,000					30,000

Project # 16-CE-NEW8
Project Name Fire SUV

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

This purchase would be a new SUV for the new Assistant Fire Chief.

Justification

This SUV would be for response and fire duty for a newly created position.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings	40,000					40,000
Total	40,000					40,000

Funding Sources	2016	2017	2018	2019	2020	Total
General Fund	40,000					40,000
Total	40,000					40,000

Project # 16-CE-NEW9
Project Name Police Marked Squad Car No. 1 (additional)

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

This purchase would be a new marked squad car and setup.

Justification

This marked squad car will be used for the new patrol area.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings	45,000					45,000
Total	45,000					45,000

Funding Sources	2016	2017	2018	2019	2020	Total
General Fund	45,000					45,000
Total	45,000					45,000

Project # 16-CE-SQUADS
Project Name Police Squad Cars (3)

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

3 squad cars @ \$40,000 each.

Justification

Scheduled replacement in 2016. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings	120,000					120,000
Total	120,000					120,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund	120,000					120,000
Total	120,000					120,000

Project # 17-CE-1703
Project Name Police Investigations Pickup

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

2009 Colorado investigations pickup. Moved to Building inspections March of 2014.

Justification

Scheduled replacement in 2017. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings			28,000			28,000
Total			28,000			28,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund			28,000			28,000
Total			28,000			28,000

Project # 17-CE-1717
Project Name Police CSH 1/2 Ton Pickup

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

Routine replacement after 100,000 miles

Justification

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings		30,000				30,000
Total		30,000				30,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund		30,000				30,000
Total		30,000				30,000

Project # 17-CE-225
Project Name Excavator CX75

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

Case CX 25 excavator with grapple and bucket.

Justification

Scheduled replacement in 2017. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings			150,000			150,000
Total			150,000			150,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund			150,000			150,000
Total			150,000			150,000

Project # 17-CE-333
Project Name Back Hoe

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

2007 John Deere 710 back hoe.

Justification

Scheduled replacement in 2017. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings			181,200			181,200
Total			181,200			181,200

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund			181,200			181,200
Total			181,200			181,200

Project # 17-CE-361
Project Name 3/4 Ton Pickup 4X2

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

2007 Ford 3/4 ton 4X2 pickup.

Justification

Scheduled replacement in 2017. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings		35,000				35,000
Total		35,000				35,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund		35,000				35,000
Total		35,000				35,000

Project # 17-CE-362
Project Name 3/4 Ton Pickup 4X4 w/Utility Box

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

2007 Ford F-250 3/4 ton pickup with utility box.

Justification

Scheduled replacement in 2017. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings		45,000				45,000
Total		45,000				45,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund		45,000				45,000
Total		45,000				45,000

Project # 17-CE-363
Project Name 3/4 Ton Pickup 4X4

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

2007 Chevy Silverado extended cab 3/4 ton pickup.

Justification

Scheduled replacement in 2017. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings		36,000				36,000
Total		36,000				36,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund		36,000				36,000
Total		36,000				36,000

Project # 17-CE-413
Project Name Building Inspections Pickup 4X4

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

2007 Light duty building inspections 4X4 pickup.

Justification

Scheduled replacement in 2017. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings		28,000				28,000
Total		28,000				28,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund		28,000				28,000
Total		28,000				28,000

Project # 17-CE-414
Project Name Building Inspections Pickup

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

2007 Light duty building inspections 4X4 pickup.

Justification

Scheduled replacement in 2017. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings		28,000				28,000
Total		28,000				28,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund		28,000				28,000
Total		28,000				28,000

Project # 17-CE-5004
Project Name Mower 16 '

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

200 16' Toro mower 5901D 4X4.

Justification

Scheduled replacement in 2017. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings		111,600				111,600
Total		111,600				111,600

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund		111,600				111,600
Total		111,600				111,600

Project # 17-CE-560
Project Name Garbage Truck

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

2007 6 yard packer garbage truck for Park Maintenance.

Justification

Scheduled replacement in 2017. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings		110,000				110,000
Total		110,000				110,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund		110,000				110,000
Total		110,000				110,000

Project # 17-CE-562
Project Name Aerial Bucket Truck

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

1996 Versalift VST-4000I 45' working height, 1996 Ford F-800.

Justification

Scheduled replacement in 2017. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings		120,000				120,000
Total		120,000				120,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund		120,000				120,000
Total		120,000				120,000

Project # 17-CE-568
Project Name 3/4 Ton Pickup 4x4

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

2007 Chevy 3/4 ton 4X4 pickup.

Justification

Scheduled replacement in 2017. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings		36,000				36,000
Total		36,000				36,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund		36,000				36,000
Total		36,000				36,000

Project # 17-CE-575
Project Name One Ton Truck with Lift Gate

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

2008 F-350 4X4 with Tommy lift gate Model 9 chassis.

Justification

Scheduled replacement in 2017. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings				80,000		80,000
Total				80,000		80,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund				80,000		80,000
Total				80,000		80,000

Project # 17-CE-596
Project Name One Ton 4X4 with Plow and Lift Gate

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

2006 one ton 4X4 with plow and lift gate.

Justification

Scheduled replacement in 2017. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings				78,000		78,000
Total				78,000		78,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund				78,000		78,000
Total				78,000		78,000

Project # 17-CE-NEW1
Project Name Park Maintenance Pickup 4x4

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

New pickup for park maintenance operations.

Justification

Increased need for park and forestry maintenance vehicle as west and northwest Plymouth develops.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings		38,000				38,000
Total		38,000				38,000

Funding Sources	2016	2017	2018	2019	2020	Total
General Fund		38,000				38,000
Total		38,000				38,000

Project # 17-CE-NEW2
Project Name Tandem Axle Truck for Hauling

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

New tandem axle truck dedicated to hauling operations. Currently 14 year old carryover trucks are being used for this purpose and ongoing maintenance costs is increasing annually. This truck would be equipped for hauling which means they would carry less weight than traditional plow trucks.

Justification

Increased hauling needs and escalating maintenance costs suggest replacing carryover vehicles.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings		170,000				170,000
Total		170,000				170,000

Funding Sources	2016	2017	2018	2019	2020	Total
Sewer Fund		50,000				50,000
Water Fund		60,000				60,000
Water Resources Fund		60,000				60,000
Total		170,000				170,000

Project # 17-CE-NEW3
Project Name Police Marked Squad Car No. 3 (additional)

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

This purchase would be a new marked squad car and setup.

Justification

This marked squad car will be used for the new patrol area.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings			47,000			47,000
Total			47,000			47,000

Funding Sources	2016	2017	2018	2019	2020	Total
General Fund			47,000			47,000
Total			47,000			47,000

Project # 17-CE-NEW4
Project Name Police Command Vehicle No. 3 (additional)

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

This purchase would be a new unmarked command vehicle and setup.

Justification

This marked squad car will be used for the new command position.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings		36,000				36,000
Total		36,000				36,000

Funding Sources	2016	2017	2018	2019	2020	Total
General Fund		36,000				36,000
Total		36,000				36,000

Project # 17-CE-SQUADS
Project Name Police Squad Cars (3)

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

3 squad cars @ \$41,000 each. Includes set up

Justification

Schedule replacement in 2017. Need to replace will be evaluated in the programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings		123,000				123,000
Total		123,000				123,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund		123,000				123,000
Total		123,000				123,000

Project # 18-CE-033
Project Name Engineering SUV

Department Central Equipment
Contact
Type Unassigned
Useful Life
Category Public Works
Priority

Description

Replacement of 2004 Ford Expedition that was repurposed from Fire to Engineering.

Justification

Routine replacement after 14 years of service. Need to replace will be evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings			30,000			30,000
Total			30,000			30,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund			30,000			30,000
Total			30,000			30,000

Project # 18-CE-1719
Project Name Police CSO 1/2 Ton Pickup

Department Central Equipment
Contact
Type Unassigned
Useful Life
Category Public Works
Priority

Description

Replaced after reaching 100,000 plus miles.

Justification

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings			32,000			32,000
Total			32,000			32,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund			32,000			32,000
Total			32,000			32,000

Project # 18-CE-198
Project Name Minivan

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

Was used by Investigations from 2006 -2014. Moved to Fleet in 2014

Justification

Scheduled replacement. Need to replace will be evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings			30,000			30,000
Total			30,000			30,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund			30,000			30,000
Total			30,000			30,000

Project # 18-CE-2000
Project Name One Ton Truck with Plow

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

One ton truck with box and plow used in Street Maintenance.

Justification

Scheduled replacement in 2018. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings			79,000			79,000
Total			79,000			79,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund			79,000			79,000
Total			79,000			79,000

Project # 18-CE-203
Project Name 2000 624H JD Wheel Loader /plow

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

2000 624H John Deere wheel loader with plow.

Justification

Scheduled replacement in 2018. Need to be replaced will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings			300,000			300,000
Total			300,000			300,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund			300,000			300,000
Total			300,000			300,000

Project # 18-CE-3022
Project Name Jetter Vac

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

Jetter Vac for small vacuuming of gate valves etc.

Justification

Scheduled replacement in 2018. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings			32,800			32,800
Total			32,800			32,800

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund			32,800			32,800
Total			32,800			32,800

Project # 18-CE-325
Project Name 1990 25 KW Winco Generator

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

Routine replacement after 28 years of service.

Justification

Scheduled replacement. Need to replace will be evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings			30,000			30,000
Total			30,000			30,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund			30,000			30,000
Total			30,000			30,000

Project # 18-CE-360
Project Name One Ton with Plow and Contractor Box

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

One ton truck with plow and contractor box.

Justification

Scheduled replacement in 2018. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings			85,000			85,000
Total			85,000			85,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund			85,000			85,000
Total			85,000			85,000

Project # 18-CE-364
Project Name Jetter Truck

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

Routine replacement.

Justification

Scheduled replacement in 2018. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings			200,800			200,800
Total			200,800			200,800

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund			200,800			200,800
Total			200,800			200,800

Project # 18-CE-365
Project Name One Ton Truck with Lift Gate

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

2008 F-450 4X4 84" CA chassis with lift gate.

Justification

Scheduled replacement in 2018. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings			74,000			74,000
Total			74,000			74,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund			74,000			74,000
Total			74,000			74,000

Project # 18-CE-5002
Project Name Wood Chipper

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

2008 19" capacity Vermeer wood chipper.

Justification

Scheduled replacement in 2018. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings			55,400			55,400
Total			55,400			55,400

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund			55,400			55,400
Total			55,400			55,400

Project # 18-CE-5003
Project Name Forestry Pickup

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

2008 4X4 Colorado used by Forestry.

Justification

Scheduled replacement in 2018. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings			26,400			26,400
Total			26,400			26,400

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund			26,400			26,400
Total			26,400			26,400

Project # 18-CE-598
Project Name One Ton 4X4 with Plow

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

Justification

Scheduled replacement in 2018. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings			94,000			94,000
Total			94,000			94,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund			94,000			94,000
Total			94,000			94,000

Project # 18-CE-NEW1
Project Name Tandem Axle Truck for Hauling

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

New tandem axle truck dedicated to hauling operations. Currently 14 year old carryover trucks are being used for this purpose and ongoing maintenance costs is increasing annually. This truck would be equipped for hauling which means they would carry less weight than traditional plow trucks.

Justification

Increased hauling needs and escalating maintenance costs suggest replacing carryover vehicles.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings			172,000			172,000
Total			172,000			172,000

Funding Sources	2016	2017	2018	2019	2020	Total
Sewer Fund			50,000			50,000
Water Fund			61,000			61,000
Water Resources Fund			61,000			61,000
Total			172,000			172,000

Project # 18-CE-SQUADS
Project Name Police Squad Cars (7)

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

7 squad cars @ \$40,000 each.

Justification

Schedule replacement in 2018. Need to replace will be evaluated in the programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings			280,000			280,000
Total			280,000			280,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund			280,000			280,000
Total			280,000			280,000

Project # 19-CE-2004
Project Name Steel Drum Roller Hypac 6500lbs

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

2009 3 ton steel drum roller.

Justification

Scheduled replacement in 2019. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings				50,500		50,500
Total				50,500		50,500

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund				50,500		50,500
Total				50,500		50,500

Project # 19-CE-285
Project Name Tandem Axle Plow with Sander

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

2007 Allison tandem axle plow with sander.

Justification

Scheduled replacement in 2019. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings				270,000		270,000
Total				270,000		270,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund				270,000		270,000
Total				270,000		270,000

Project # 19-CE-367
Project Name Televising Van

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

Routine replacement based on use and technological advances.

Justification

Scheduled replacement in 2019. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings				214,000		214,000
Total				214,000		214,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund				214,000		214,000
Total				214,000		214,000

Project # 19-CE-5005
Project Name 3/4 Ton Pickup with Plow

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

2009 4X4 pickup with plow.

Justification

Scheduled replacement in 2019. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings				39,500		39,500
Total				39,500		39,500

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund				39,500		39,500
Total				39,500		39,500

Project # 19-CE-5006
Project Name 3/4 Ton Pickup with Plow

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

2009 4X4 pickup with plow.

Justification

Scheduled replacement in 2019. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings				39,500		39,500
Total				39,500		39,500

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund				39,500		39,500
Total				39,500		39,500

Project # 19-CE-700
Project Name Fork Lift 6000 Pund Capacity

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

2004 Komatsu Fork Lift.

Justification

Scheduled replacement in 2019. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings				36,500		36,500
Total				36,500		36,500

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund				36,500		36,500
Total				36,500		36,500

Project # 19-CE-NEW1
Project Name Park Maintenance Tool Cat with Snow Blower

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

New utility vehicle with snow removal equipment for Park Maintenance. Replaced with 19-CE-NEW4

Justification

More trail plowing requires more equipment as well as plowing rinks and summer use for parks and forestry operations.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings				0		0
Total				0		0

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund				0		0
Total				0		0

Project # 19-CE-NEW2
Project Name Park Maintenance Utility Tractor with Snow Blower

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

New utility vehicle with snow removal equipment for Park Maintenance. Replaced with 19-CE-NEW4

Justification

More trail plowing requires more equipment as well as plowing rinks and summer use for parks and forestry operations.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings				0		0
Total				0		0

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund				0		0
Total				0		0

Project # 19-CE-NEW3
Project Name Park Maintenance One Ton with Dump Box

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

New one ton with dump box and snow removal equipment for Park Maintenance.

Justification

Larger park system requires more equipment for parks and forestry operations.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings		65,000				65,000
Total		65,000				65,000

Funding Sources	2016	2017	2018	2019	2020	Total
General Fund		65,000				65,000
Total		65,000				65,000

Project # 19-CE-NEW4
Project Name New Sidewalk Machine

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

Sidewalk machine for snow removal on trail and sidewalks.

Justification

Increased need to remove snow on trails and sidewalks as west and northwest Plymouth develops.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings				170,000		170,000
Total				170,000		170,000

Funding Sources	2016	2017	2018	2019	2020	Total
General Fund				170,000		170,000
Total				170,000		170,000

Project # 19-CE-SQUADS
Project Name Police Squad Cars (7)

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

7 squad cars @ \$43,000. The cost increase is reflective of the discontinuation of Ford Crown Victoria production. New squads may require new equipment and accessories.

Justification

Scheduled replacement in 2019. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings				301,000		301,000
Total				301,000		301,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund				301,000		301,000
Total				301,000		301,000

Project # 20-CE-1706
Project Name 2010 Police Investigations SUV

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

Routine replacement after 10 years of service.

Justification

Routine replacement will be evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance					30,000	30,000
Total					30,000	30,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund					30,000	30,000
Total					30,000	30,000

Project # 20-CE-1707
Project Name Police Investigation Vehicle

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

Routine replacement after 10 years of service.

Justification

Scheduled replacement. Need to replace will be evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings					29,000	29,000
Total					29,000	29,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund					29,000	29,000
Total					29,000	29,000

Project # 20-CE-2001
Project Name Lee Boy Paver 8510-Upgrade

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

2008 asphalt paver. Street Maintenance is paving more and larger areas than in previous years. The existing paver has worn out sooner than anticipated and the replacement would be moved up in the schedule and would be upgraded with a larger paver with a heaview screed and larger hopper for more efficient operations.

Justification

Scheduled replacement in 2020. Need to replace will be re-evaluated in programmed year.
 The replacement would be moved up in the schedule. The larger paver would be more efficient and the heaview screed would enhance the quality of the mat.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings	216,000					216,000
Total	216,000					216,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund	120,000					120,000
General Fund	96,000					96,000
Total	216,000					216,000

Project # 20-CE-2006
Project Name 3/4 Ton Pickup 4x4 with Plow

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

Routine replacement after 10 years of service.

Justification

Scheduled replacement. Need to replace will be evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings					38,000	38,000
Total					38,000	38,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund					38,000	38,000
Total					38,000	38,000

Project # 20-CE-217
Project Name Power Prime 4 Inch Pump

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

Routine replacement after 15 years of service.

Justification

Scheduled replacement. Need to replace will be evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance					40,000	40,000
Total					40,000	40,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund					40,000	40,000
Total					40,000	40,000

Project # 20-CE-239
Project Name 2005 Ingersoll Rand 185 Air Compressor

Department Central Equipment
Contact
Type Unassigned
Useful Life
Category Public Works
Priority

Description

Routine replacement after 15 years of service.

Justification

Scheduled replacement. Need to replace will be evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings					31,000	31,000
Total					31,000	31,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund					31,000	31,000
Total					31,000	31,000

Project # 20-CE-286
Project Name Tandem Axle Dump Truck with Sander

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

2010 Mack tandem axle truck with sander.

Justification

Scheduled replacement in 2020. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings					280,000	280,000
Total					280,000	280,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund					280,000	280,000
Total					280,000	280,000

Project # 20-CE-287
Project Name Tandem Axle Truck with Sander

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

2009 Mack tandem axle truck with sander.

Justification

Scheduled replacement in 2020. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings					280,000	280,000
Total					280,000	280,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund					280,000	280,000
Total					280,000	280,000

Project # 20-CE-353
Project Name Step Van for Excavations

Department Central Equipment
Contact
Type Unassigned
Useful Life
Category Public Works
Priority

Description

Routine replacement after 17 years of service.

Justification

Scheduled replacement. Need to replace will be evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings					81,000	81,000
Total					81,000	81,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund					81,000	81,000
Total					81,000	81,000

Project # 20-CE-368
Project Name 3/4 Ton Pickup 4x4

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

Routine replacement after 10 years of service.

Justification

Scheduled replacement. Need to replace will be evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings					34,000	34,000
Total					34,000	34,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund					34,000	34,000
Total					34,000	34,000

Project # 20-CE-4003
Project Name Minivan

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

Routine replacement after 10 years of service.

Justification

Scheduled replacement. Need to replace will be evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings					28,000	28,000
Total					28,000	28,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund					28,000	28,000
Total					28,000	28,000

Project # 20-CE-5008
Project Name 3/4 Ton Pickup 4x4 with Plow

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

Routine replacement after 10 years of service.

Justification

Scheduled replacement. Need to replace will be evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings					41,000	41,000
Total					41,000	41,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund					41,000	41,000
Total					41,000	41,000

Project # 20-CE-5009
Project Name 3/4 Ton Pickup 4X4 with Plow

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

Routine replacement after 10 years of service.

Justification

Scheduled replacement. Need to replace will be evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings					41,000	41,000
Total					41,000	41,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund					41,000	41,000
Total					41,000	41,000

Project # 20-CE-5011
Project Name Cargo Van

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

Routine replacement after 10 years of service.

Justification

Scheduled replacement. Need to replace will be evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings					30,000	30,000
Total					30,000	30,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund					30,000	30,000
Total					30,000	30,000

Project # 20-CE-5015
Project Name Mower 16'

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

2012 Toro 5910 16' mower.

Justification

Scheduled replacement in 2020. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings					112,300	112,300
Total					112,300	112,300

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund					112,300	112,300
Total					112,300	112,300

Project # 20-CE-5016
Project Name Mower 6'

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

2012 6' mower with broom and blower.

Justification

Scheduled replacement in 2020. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings					53,000	53,000
Total					53,000	53,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund					53,000	53,000
Total					53,000	53,000

Project # 20-CE-NEW1
Project Name Park Maintenance Small Wheel Loader

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

Additional loader for park maintenance operations.

Justification

Scheduled replacement. Need to replace will be evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings					110,000	110,000
Total					110,000	110,000

Funding Sources	2016	2017	2018	2019	2020	Total
General Fund					110,000	110,000
Total					110,000	110,000

Project # 21-CE-505
Project Name Tractor with Blower

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

Replace after 15 years of service.

Justification

Scheduled replacement. Need to replace will be evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings	60,000					60,000
Total	60,000					60,000

Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund	60,000					60,000
Total	60,000					60,000

Project # 25-CE-035
Project Name Medium Duty Fire Rescue Truck

Department Central Equipment
Contact
Type Equipment
Useful Life
Category Public Works
Priority

Description

2005 Medium Duty Rescue Truck, International chassis 4400.

Justification

Scheduled replacement in 2015. Need to replace will be re-evaluated in programmed year.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings					360,000	360,000
Total					360,000	360,000
Funding Sources	2016	2017	2018	2019	2020	Total
Central Equipment Fund					360,000	360,000
Total					360,000	360,000

City of Plymouth, Minnesota
Capital Improvement Program
2016 thru 2020

PROJECTS & FUNDING SOURCES BY DEPARTMENT

Department	Project#	Priority	2016	2017	2018	2019	2020	Total
Facilities Management								
Painting - City Wide	07-FM-008	n/a	30,000	30,000	30,000	30,000	30,000	150,000
Seal Coating/Crack Sealing/Asphalt Repair	08-FM-006	n/a	25,000	25,000	25,000	25,000	25,000	125,000
Misc. Concrete Replacement	08-FM-007	n/a	40,000	40,000	40,000	50,000	50,000	220,000
Chemical De-icing Mixing System - Public Works	14-FM-001	n/a	200,000					200,000
Roof Inspections and Repairs	14-FM-002	n/a	50,000	50,000	50,000	50,000	50,000	250,000
Replace Carpet - Public Works	15-FM-008	n/a		16,000				16,000
Replace Floor Drains - Public Works	15-FM-011	n/a	0					0
Public Works Maintenance Facility Expansion	15-FM-015	n/a	3,000,000	4,000,000				7,000,000
Replace Air Handling Unit - Fire Station 1	16-FM-001	n/a	50,000					50,000
Replace Rooftop Unit - Plymouth Creek Center	16-FM-002	n/a		85,000				85,000
Emergency Siren #14	16-FM-003	n/a	30,000					30,000
Lighting High Efficiency Improvements - Citywide	16-FM-004	n/a	50,000	50,000	50,000	50,000	50,000	250,000
Resurface/Seal Concrete Floor - Public Safety	16-FM-005	n/a	30,000					30,000
Transit Station Improvements	16-FM-006	n/a	430,000					430,000
Replace Air Conditioner in the IT Server Room	16-FM-007	n/a	30,000					30,000
Replace Ballroom Divider - Plymouth Creek Center	17-FM-001	n/a	90,000					90,000
Replace Air Makeup Units - Public Works	18-FM-002	n/a		65,000				65,000
Remodel/Refurnish Office - Public Works	18-FM-003	n/a		25,000				25,000
Replace Floor Tiles - Public Works	18-FM-004	n/a		30,000				30,000
Resurface Floor - Public Works Repair Center	18-FM-005	n/a	20,000					20,000
Resurface/Seal Concrete Floor - Public Works	19-FM-001	n/a			65,000			65,000
Replace Air Makeup Unit - Public Safety Garage	19-FM-002	n/a				50,000		50,000
Replace 3 Roof Top Units - City Hall	20-FM-002	n/a					125,000	125,000
Replace Used Oil Burner - Public Works	20-FM-003	n/a					30,000	30,000
Replace Air Conditioner - DR Room Public Works	20-FM-004	n/a					25,000	25,000
Replace Radiant Heat - Fire Station 1	20-FM-005	n/a					30,000	30,000
Facilities Management Total			4,075,000	4,416,000	260,000	255,000	415,000	9,421,000
Construction Improvement Fund (CON 413)					4,000,000			4,000,000
Facilities Management				415,000	416,000	260,000	255,000	1,761,000
General Project Fund (Gen. Fund Reserves)				1,000,000				1,000,000
Grants				400,000				400,000
Other				2,000,000				2,000,000
Resource Planning				30,000				30,000
Transit Fund				205,000				205,000
Water Resources Fund				25,000				25,000
Facilities Management Total			4,075,000	4,416,000	260,000	255,000	415,000	9,421,000

Department	Project#	Priority	2016	2017	2018	2019	2020	Total
Grand Total			4,075,000	4,416,000	260,000	255,000	415,000	9,421,000

Project # 07-FM-008
Project Name Painting - City Wide

Department Facilities Management
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

This is a general allocation for all areas within the City. No specific facility is identified. Historically this amount of funding has been used to paint the areas that require repainting throughout the year.

Justification

This is maintenance painting only on an as needed basis. Outside painting helps preserve facilities from the outside elements.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance	30,000	30,000	30,000	30,000	30,000	150,000
Total	30,000	30,000	30,000	30,000	30,000	150,000

Funding Sources	2016	2017	2018	2019	2020	Total
Facilities Management	30,000	30,000	30,000	30,000	30,000	150,000
Total	30,000	30,000	30,000	30,000	30,000	150,000

Project # 08-FM-006
Project Name Seal Coating/Crack Sealing/Asphalt Repair

Department Facilities Management
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

This project would involve the sealcoating of parking lots for City facilities (City Hall, Plymouth Creek Center, park facilities, fire stations, etc.).

Justification

Sealcoating every 7 to 10 years greatly extends the life of asphalt and reduces major maintenance costs.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance	25,000	25,000	25,000	25,000	25,000	125,000
Total	25,000	25,000	25,000	25,000	25,000	125,000

Funding Sources	2016	2017	2018	2019	2020	Total
Facilities Management	25,000	25,000	25,000	25,000	25,000	125,000
Total	25,000	25,000	25,000	25,000	25,000	125,000

Project # 08-FM-007
Project Name Misc. Concrete Replacement

Department Facilities Management
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

This project would involve concrete replacement (sidewalks, curb, driveway aprons) for City facilities (City Hall, Plymouth Creek Center, park facilities, fire stations, etc.).

Justification

Sidewalks, curbs and driveway aprons are cracking and may cause hazards. The cracked and broken concrete leads to larger maintenance issues that often result in complete replacement.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance	40,000	40,000	40,000	50,000	50,000	220,000
Total	40,000	40,000	40,000	50,000	50,000	220,000

Funding Sources	2016	2017	2018	2019	2020	Total
Facilities Management	40,000	40,000	40,000	50,000	50,000	220,000
Total	40,000	40,000	40,000	50,000	50,000	220,000

Project # 14-FM-001
Project Name Chemical De-icing Mixing System - Public Works

Department Facilities Management
Contact
Type Improvement/Acquisition
Useful Life
Category Public Works
Priority

Description

The project would provide for the purchase and implementation of a chemical mixing system for enhancing de-icing operations. Multiple brines can be made for changing winter conditions. Project will be coordinated with the Public Works Maintenance Facility Expansion (15-FM-015).

Justification

Chemical de-icing is more efficient and more environmentally sensitive than the use of straight rock salt. De-icers also reduce the amount of rock salt used in storm events.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings	200,000					200,000
Total	200,000					200,000

Funding Sources	2016	2017	2018	2019	2020	Total
Grants	200,000					200,000
Total	200,000					200,000

Project # 14-FM-002
Project Name Roof Inspections and Repairs

Department Facilities Management
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

Inspect and repair roofs at City facilities including Public Works, City Hall and Fire Stations.

Justification

Roof replacement can be avoided under this preventative maintenance program.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance	50,000	50,000	50,000	50,000	50,000	250,000
Total	50,000	50,000	50,000	50,000	50,000	250,000

Funding Sources	2016	2017	2018	2019	2020	Total
Facilities Management	50,000	50,000	50,000	50,000	50,000	250,000
Total	50,000	50,000	50,000	50,000	50,000	250,000

Project # 15-FM-008
Project Name Replace Carpet - Public Works

Department Facilities Management
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

The carpet in the Maintenance Facility is due for replacement in 2015.

Justification

The carpet in the Maintenance Facility is 20 years old and needs to be replaced.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance		16,000				16,000
Total		16,000				16,000

Funding Sources	2016	2017	2018	2019	2020	Total
Facilities Management		16,000				16,000
Total		16,000				16,000

Project # 15-FM-011
Project Name Replace Floor Drains - Public Works

Department Facilities Management
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

Replace the existing floor drains in the garage at Public Works.

Justification

The floor drains at Public Works have deteriorated and are crumbling creating drainage and safety concerns.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance	0					0
Total	0					0

Funding Sources	2016	2017	2018	2019	2020	Total
Facilities Management	0					0
Total	0					0

Project # 15-FM-015
Project Name Public Works Maintenance Facility Expansion

Department Facilities Management
Contact
Type Improvement/Acquisition
Useful Life
Category Public Works
Priority

Description

This project would include an expansion to the Public Works Maintenance Facility. Phase 1 of the expansion would include vehicle storage additions to two areas, a semi-automated vehicle wash bay, and a two story office addition at the old water treatment plant, Phase 2 would include a vehicle storage addition to the old water treatment plant.

Justification

Facility expansion needs are documented in the Public Works Department Needs Assessment Study.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance	3,000,000	4,000,000				7,000,000
Total	3,000,000	4,000,000				7,000,000

Funding Sources	2016	2017	2018	2019	2020	Total
Construction Improvement Fund (CON 413)		4,000,000				4,000,000
General Project Fund (Gen. Fund Reserves)	1,000,000					1,000,000
Other	2,000,000					2,000,000
Total	3,000,000	4,000,000				7,000,000

Project # 16-FM-001
Project Name Replace Air Handling Unit - Fire Station 1

Department Facilities Management
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

This project would replace two air handling units at Fire Station No. 1.

Justification

The 7.5 ton and 5 ton air handling units at Fire Station No. 1 will be 25 years old in 2016 and will be replaced if conditions warrant.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance	50,000					50,000
Total	50,000					50,000

Funding Sources	2016	2017	2018	2019	2020	Total
Facilities Management	50,000					50,000
Total	50,000					50,000

Project # 16-FM-002
Project Name Replace Rooftop Unit - Plymouth Creek Center

Department Facilities Management
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

The rooftop unit at the Plymouth Creek Center is scheduled for replacement in 2015.

Justification

The existing rooftop unit will be 15 years old at the time of replacement. This unit sees significant run times and wear. The unit will be replaced with a more energy efficient unit.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance		85,000				85,000
Total		85,000				85,000

Funding Sources	2016	2017	2018	2019	2020	Total
Facilities Management		85,000				85,000
Total		85,000				85,000

Project # 16-FM-003
Project Name Emergency Siren #14

Department Facilities Management
Contact
Type Improvement/Acquisition
Useful Life
Category Public Works
Priority

Description

This project involves the installation of an emergency siren to servethe northwest area of the city. Tentative locations are the intersection of Troy Lane and CR 47 or the proposed elementary school/park site near Lawndale Lane and CR 47.

Justification

The last emergency siren will serve the most northwest area of the city.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings	30,000					30,000
Total	30,000					30,000

Funding Sources	2016	2017	2018	2019	2020	Total
Resource Planning	30,000					30,000
Total	30,000					30,000

Project # 16-FM-004
Project Name Lightng High Efficiency Improvements - Citywide

Department Facilities Management
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

This project would continue with LED lighting improvements and other lighting efficiencies.

Justification

High efficiency lighting will reduce operational costs and much of the cost is eligible for Xcel Energy Rebates.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance	50,000	50,000	50,000	50,000	50,000	250,000
Total	50,000	50,000	50,000	50,000	50,000	250,000

Funding Sources	2016	2017	2018	2019	2020	Total
Facilities Management	50,000	50,000	50,000	50,000	50,000	250,000
Total	50,000	50,000	50,000	50,000	50,000	250,000

Project # 16-FM-005
Project Name Resurface/Seal Concrete Floor - Public Safety

Department Facilities Management
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

This project would seal the garage floor in Public Safety.

Justification

The floor in the PD garage is showing wear in the center with heavy use. The floor is pitting in places and should be sealed.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance	30,000					30,000
Total	30,000					30,000

Funding Sources	2016	2017	2018	2019	2020	Total
Facilities Management	30,000					30,000
Total	30,000					30,000

Project # 16-FM-006
Project Name Transit Station Improvements

Department Facilities Management
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

This project would make various improvements to the Station 73 and Reserve transit stations including:
 LED lighting upgrades at Station 73 - \$120,000
 Replace paver walkways at Station 73 - \$50,000 (50% grant)
 Security upgrades at Station 73 - \$200,000 (grant)
 Fiberoptic connection at The Reserve - \$60,000

Justification

High efficiency lighting will reduce operational costs and much of the cost is eligible for Xcel Energy Rebates. Security upgrades are needed and will be funded with grants. The paver walks need to be replaced and 50% of costs are eligible for a Water Resources grant. The fiberoptic connection would provide for connections to the city's security system.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance	430,000					430,000
Total	430,000					430,000

Funding Sources	2016	2017	2018	2019	2020	Total
Grants	200,000					200,000
Transit Fund	205,000					205,000
Water Resources Fund	25,000					25,000
Total	430,000					430,000

Project # 16-FM-007
Project Name Replace Air Conditioner in the IT Server Room

Department Facilities Management
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

This project would replace and upgrade the existing air conditioner in the IT server room.

Justification

The existing backup air conditioner needs to be replaced in order to maintain room temperatures in the server room which is critical for the operations of all departments.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings	30,000					30,000
Total	30,000					30,000

Funding Sources	2016	2017	2018	2019	2020	Total
Facilities Management	30,000					30,000
Total	30,000					30,000

Project # 17-FM-001
Project Name Replace Ballroom Divider - Plymouth Creek Center

Department Facilities Management
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

The project would involve the replacement of the motorized room dividers in the Plymouth Creek Center Ballroom. The dividers separate the room into three rooms.

Justification

The doors require routine maintenance to keep them operational. The doors are critical to operations.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance	90,000					90,000
Total	90,000					90,000

Funding Sources	2016	2017	2018	2019	2020	Total
Facilities Management	90,000					90,000
Total	90,000					90,000

Project # 18-FM-002
Project Name Replace Air Makeup Units - Public Works

Department Facilities Management
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

Replace the existing air makup units in the Public Works north end garage addition. Project will be coordinated with Public Works Maintenance Facility Expansion (15-FM-015).

Justification

The existing heat exchanger is rotting out and needs to be replaced.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance		65,000				65,000
Total		65,000				65,000

Funding Sources	2016	2017	2018	2019	2020	Total
Facilities Management		65,000				65,000
Total		65,000				65,000

Project # 18-FM-003
Project Name Remodel/Refurnish Office - Public Works

Department Facilities Management
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

Remodel and refurnish Public Works office area. Project will be coordinated with Public Works Maintenance Facility Expansion (15-FM-015).

Justification

Public Works office area was remodeled using used furnishings in 2007. The office area is very noisy and disruptive.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance		25,000				25,000
Total		25,000				25,000

Funding Sources	2016	2017	2018	2019	2020	Total
Facilities Management		25,000				25,000
Total		25,000				25,000

Project # 18-FM-004
Project Name Replace Floor Tiles - Public Works

Department Facilities Management
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

The floor tiles in the lunchroom, hallway, map room and locker rooms. Project will be coordinated with Pubic Works Maintenance Facility Expansion (15-FM-015).

Justification

The floor tiles are original and are coming loose and discoloring.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance		30,000				30,000
Total		30,000				30,000

Funding Sources	2016	2017	2018	2019	2020	Total
Facilities Management		30,000				30,000
Total		30,000				30,000

Project # 18-FM-005
Project Name Resurface Floor - Public Works Repair Center

Department Facilities Management
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

Resurface the floor in the equipment repair center. Project will be completed prior to Public Works Maintenance Facility Expansion (15-FM-015).

Justification

The existing floor surfacing is stripping and chipping.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance	20,000					20,000
Total	20,000					20,000

Funding Sources	2016	2017	2018	2019	2020	Total
Facilities Management	20,000					20,000
Total	20,000					20,000

Project # 19-FM-001
Project Name Resurface/Seal Concrete Floor - Public Works

Department Facilities Management
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

The concrete floor in the vehicle storage area is scheduled for resurfacing in 2019. This will be the first resurfacing of the concrete. Project will be coordinated with Public Works Maintenance Facility Expansion (15-FM-015).

Justification

The existing concrete surface will be 30 years old at the time of resurfacing. The floor gets a great deal of traffic and is swept nearly continuously.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance			65,000			65,000
Total			65,000			65,000

Funding Sources	2016	2017	2018	2019	2020	Total
Facilities Management			65,000			65,000
Total			65,000			65,000

Project # 19-FM-002
Project Name Replace Air Makeup Unit - Public Safety Garage

Department Facilities Management
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

The air makeup unit in the underground garage at Public Safety is scheduled for replacement in 2019.

Justification

The existing air makeup unit will be 13 years old at the time of replacement.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance				50,000		50,000
Total				50,000		50,000

Funding Sources	2016	2017	2018	2019	2020	Total
Facilities Management				50,000		50,000
Total				50,000		50,000

Project # 20-FM-002
Project Name Replace 3 Roof Top Units - City Hall

Department Facilities Management
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

This project would replace the Carrier roof top units unit on the roof at City Hall. They will be 17 years old in 2020

Justification

The roof top units will be 17 years old in 2020.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance					125,000	125,000
Total					125,000	125,000

Funding Sources	2016	2017	2018	2019	2020	Total
Facilities Management					125,000	125,000
Total					125,000	125,000

Project # 20-FM-003
Project Name Replace Used Oil Burner - Public Works

Department Facilities Management
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

This project replaces the used oil burner at Public Works.

Justification

Manufacturer and HVAC contractor recommended replacement schedule is 10 years.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance					30,000	30,000
Total					30,000	30,000

Funding Sources	2016	2017	2018	2019	2020	Total
Facilities Management					30,000	30,000
Total					30,000	30,000

Project # 20-FM-004
Project Name Replace Air Conditioner - DR Room Public Works

Department Facilities Management
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

Replace air conditioner for the disaster recovery room at Public Works.

Justification

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance					25,000	25,000
Total					25,000	25,000

Funding Sources	2016	2017	2018	2019	2020	Total
Facilities Management					25,000	25,000
Total					25,000	25,000

Project # 20-FM-005
Project Name Replace Radiant Heat - Fire Station 1

Department Facilities Management
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

This project replaces the radiant heat system in the garage at Fire Station 1.

Justification

This unit will be at the end of its useful life in 2020.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance					30,000	30,000
Total					30,000	30,000

Funding Sources	2016	2017	2018	2019	2020	Total
Facilities Management					30,000	30,000
Total					30,000	30,000

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City of Plymouth, Minnesota
Capital Improvement Program
2016 thru 2020

PROJECTS & FUNDING SOURCES BY DEPARTMENT

Department	Project#	Priority	2016	2017	2018	2019	2020	Total
Information Technology								
Replace SAN	15-IT-001	n/a		150,000				150,000
Time and Attendance System	15-IT-003	n/a	30,000					30,000
Replace Exchange 2010 Server	15-IT-005	n/a		40,000				40,000
Replace GIS Server	15-IT-006	n/a			25,000			25,000
Replace Park and Recreation Registration Software	15-IT-009	n/a	100,000					100,000
Replace Permitting System	15-IT-011	n/a	250,000					250,000
Disaster Recovery Room Core Swith Upgrade	16-IT-002	n/a	75,000					75,000
Cisco Voice Router Upgrade	16-IT-003	n/a	40,000					40,000
Desktop Management and Helpdesk Software	16-IT-004	n/a	95,000					95,000
VDI - Virtual Desktop Infrastructure	16-IT-005	n/a	50,000	50,000				100,000
Upgrade Police Video Surveillance	16-IT-006	n/a	45,000					45,000
Technology Packages Police 3 New Police Vehicles	16-IT-007	n/a	25,000	25,000	25,000			75,000
Technology Package for New Fire SUV	16-IT-008	n/a	25,000					25,000
Website Move to Cloud	16-IT-009	n/a	35,300					35,300
Fiberoptics Interconnections	16-IT-010	n/a	80,000					80,000
Replace Production Image Scanners	17-IT-001	n/a			27,000			27,000
Squad Car Printer Replacement	17-IT-002	n/a		27,000				27,000
Public Safety Body Cameras	17-IT-003	n/a		65,000				65,000
Information Technology Total			850,300	357,000	77,000			1,284,300
<i>Information Technology Fund</i>			850,300	357,000	77,000			1,284,300
<i>Information Technology Total</i>			850,300	357,000	77,000			1,284,300
Grand Total			850,300	357,000	77,000			1,284,300

Project # 15-IT-001
Project Name Replace SAN

Department Information Technology
Contact
Type Repair/Replacement
Useful Life
Category Administration
Priority

Description

This project would replace the Compellent SAN which will reach the end of its useful life in 2017. It is currently functioning as a backup repository.

Justification

Without proper support on SAN hardware production environment software cannot run safely. Purchasing new hardware allows supplementing other storage environments that are much more energy efficient and perform much better for today's applications.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings		150,000				150,000
Total		150,000				150,000

Funding Sources	2016	2017	2018	2019	2020	Total
Information Technology Fund		150,000				150,000
Total		150,000				150,000

Project # 15-IT-003
Project Name Time and Attendance System

Department Information Technology
Contact
Type Equipment
Useful Life
Category Administration
Priority

Description

Currently all employees except police track and report time via manual processes whereby time is hand keyed into the payroll system. Leave requests are also handled manually using carbon copy forms. Technology exists to automate scheduling, leave requests and import into the payroll system.

Justification

It currently takes 2-3 days to hand enter all timesheets submitted on paper for each pay period. Review and approving electronically would eliminate the need to hand key all of the timesheets.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings	30,000					30,000
Total	30,000					30,000

Funding Sources	2016	2017	2018	2019	2020	Total
Information Technology Fund	30,000					30,000
Total	30,000					30,000

Project # 15-IT-005
Project Name Replace Exchange 2010 Server

Department Information Technology
Contact
Type Repair/Replacement
Useful Life
Category Administration
Priority

Description

This project will replace the existing email server..

Justification

The existing email server was installed in 2009 and will no longer be supported in 2015.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings		40,000				40,000
Total		40,000				40,000

Funding Sources	2016	2017	2018	2019	2020	Total
Information Technology Fund		40,000				40,000
Total		40,000				40,000

Project # 15-IT-006
Project Name Replace GIS Server

Department Information Technology
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

Replace the existing GIS server.

Justification

The existing GIS server has exceeded its useful life and should be replaced.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings			25,000			25,000
Total			25,000			25,000

Funding Sources	2016	2017	2018	2019	2020	Total
Information Technology Fund			25,000			25,000
Total			25,000			25,000

Project # 15-IT-009
Project Name Replace Park and Recreation Registration Software

Department Information Technology
Contact
Type Repair/Replacement
Useful Life
Category Administration
Priority

Description

Replace Parks and Recreation software that is used for program registration, facility rentals, sports team management and web-based customer self-service.

Justification

The current vendor notified the city that they will no longer make or support the software after November, 2017. This is the main software used to conduct parks and recreation business and is critical to operations.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings	100,000					100,000
Total	100,000					100,000

Funding Sources	2016	2017	2018	2019	2020	Total
Information Technology Fund	100,000					100,000
Total	100,000					100,000

Project # 15-IT-011
Project Name Replace Permitting System

Department Information Technology
Contact
Type Repair/Replacement
Useful Life
Category Administration
Priority

Description

Replace current permitting and inspection system with one that accomodates online permitting and inspection scheduling.

Justification

The current utility billing system is 18 years old and lacks many desirable features such as integration into the city's financial system, advanced reporting and customer self-service. The current vendor has made several attempts to implement online permitting but is unable to meet the city's requirements.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings	250,000					250,000
Total	250,000					250,000

Funding Sources	2016	2017	2018	2019	2020	Total
Information Technology Fund	250,000					250,000
Total	250,000					250,000

Project # 16-IT-002
Project Name Disaster Recovery Room Core Swith Upgrade

Department Information Technology
Contact
Type Improvement/Acquisition
Useful Life
Category Administration
Priority

Description

Upgrade all switching equipment located in the Public Works DR room.

Justification

Upgrading will allow for increased bandwidth and for faster reapplications between SANs as well as add redundancy for core switch infrastructure. Equipment has also met the 7 year replacement schedule.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings	75,000					75,000
Total	75,000					75,000

Funding Sources	2016	2017	2018	2019	2020	Total
Information Technology Fund	75,000					75,000
Total	75,000					75,000

Project # 16-IT-003
Project Name Cisco Voice Router Upgrade

Department Information Technology
Contact
Type Improvement/Acquisition
Useful Life
Category Administration
Priority

Description

Upgrade four voice routers to insure network continues to operate at optimal levels. The core router in the server room manages all incoming and outgoing calls and is critical to keeping the voice network operational.

Justification

The current routers are coming to the end of life in 2016 and is needed to ensure long term compatibility with Cisco call manager system. Equipment has also met the 7 year replacement schedule.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings	40,000					40,000
Total	40,000					40,000

Funding Sources	2016	2017	2018	2019	2020	Total
Information Technology Fund	40,000					40,000
Total	40,000					40,000

Project # 16-IT-004
Project Name Desktop Management and Helpdesk Software

Department Information Technology
Contact
Type Improvement/Acquisition
Useful Life
Category Administration
Priority

Description

Desktop management software allows helpdesk to manage all desktops and laptops including the ability remote control, image and inventory all hardware on the network. Helpdesk allows the tracking of calls and improves efficiency in servicing the end users.

Justification

The current management and helpdesk solutions are no longer supported and are not meeting needs nor are they as functional as newer solutions. New software solutions integrate offering better reporting capabilities and troubleshoot more efficiently.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings	95,000					95,000
Total	95,000					95,000

Funding Sources	2016	2017	2018	2019	2020	Total
Information Technology Fund	95,000					95,000
Total	95,000					95,000

Project # 16-IT-005
Project Name VDI - Virtual Desktop Infrastructure

Department Information Technology
Contact
Type Improvement/Acquisition
Useful Life
Category Administration
Priority

Description

New hardware and software to begin migrating desktops into a virtual environment allowing better flexibility and more efficient support.

Justification

Currently desktop replacement costs \$40,000 per year. This cost is reduced and hardware life is extended with migration to VDI. Efficiencies are also gained in IT when it comes to managing desktops.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings	50,000	50,000				100,000
Total	50,000	50,000				100,000

Funding Sources	2016	2017	2018	2019	2020	Total
Information Technology Fund	50,000	50,000				100,000
Total	50,000	50,000				100,000

Project # 16-IT-006
Project Name Upgrade Police Video Surveillance

Department Information Technology
Contact
Type Improvement/Acquisition
Useful Life
Category Administration
Priority

Description

New IP cameras and microphones for all interview rooms, booking room and cells to improve quality of the audio and video for all interviews conducted on-site by the Police Department.

Justification

There are currently issues with video and audio quality which causes problems for evidence collection and storage.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings	45,000					45,000
Total	45,000					45,000

Funding Sources	2016	2017	2018	2019	2020	Total
Information Technology Fund	45,000					45,000
Total	45,000					45,000

Project # 16-IT-007
Project Name Technology Packages Police 3 New Police Vehicles

Department Information Technology
Contact
Type Improvement/Acquisition
Useful Life
Category Public Works
Priority

Description

New technology packages for 3 new marked police vehicles not included in the Central Equipment purchase. Package includes radio, computer, printer, etc.

Justification

The new police vehicles require the technology package to operate.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings	25,000	25,000	25,000			75,000
Total	25,000	25,000	25,000			75,000

Funding Sources	2016	2017	2018	2019	2020	Total
Information Technology Fund	25,000	25,000	25,000			75,000
Total	25,000	25,000	25,000			75,000

Project # 16-IT-008
Project Name Technology Package for New Fire SUV

Department Information Technology
Contact
Type Improvement/Acquisition
Useful Life
Category Public Works
Priority

Description

New technology packages for new Fire SUV not included in the Central Equipment purchase. Package includes radio, computer, printer, etc.

Justification

The new Fire SUV require the technology package to operate.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings	25,000					25,000
Total	25,000					25,000

Funding Sources	2016	2017	2018	2019	2020	Total
Information Technology Fund	25,000					25,000
Total	25,000					25,000

Project # 16-IT-009
Project Name Website Move to Cloud

Department Information Technology
Contact
Type Improvement/Acquisition
Useful Life
Category Public Works
Priority

Description

The cities website www.plymouthmn.gov will be upgraded and moved to a cloud hosted environment.

Justification

The site www.plymouthmn.gov is on a refresh cycle of 4 years and is due for updating to keep the sight relevant and looking fresh.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings	35,300					35,300
Total	35,300					35,300

Funding Sources	2016	2017	2018	2019	2020	Total
Information Technology Fund	35,300					35,300
Total	35,300					35,300

Project # 16-IT-010
Project Name Fiberoptics Interconnections

Department Information Technology
Contact
Type Improvement/Acquisition
Useful Life
Category Public Works
Priority

Description

Funding for expanding our fiber communications throughout the city. Primarily for completing connections from City Hall to Public Works and down to CR6 and Station 73.

Justification

This is necessary to increase our bandwidth and reliability to a number of remote locations throughout the city.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings	80,000					80,000
Total	80,000					80,000

Funding Sources	2016	2017	2018	2019	2020	Total
Information Technology Fund	80,000					80,000
Total	80,000					80,000

Project # 17-IT-001
Project Name Replace Production Image Scanners

Department Information Technology
Contact
Type Repair/Replacement
Useful Life
Category Administration
Priority

Description

Several high speed scanners were purchased in 2012 and have a lifespan of 5 years. They are used for the document management system.

Justification

The current scanners will be obsolete and parts and support will be difficult to obtain.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings			27,000			27,000
Total			27,000			27,000

Funding Sources	2016	2017	2018	2019	2020	Total
Information Technology Fund			27,000			27,000
Total			27,000			27,000

Project # 17-IT-002
Project Name Squad Car Printer Replacement

Department Information Technology
Contact
Type Repair/Replacement
Useful Life
Category Administration
Priority

Description

Replace current squad car printers, one for ticketing and one for general printing needs per squad car.

Justification

The printers are reaching the end of their useful life, are starting to fail and need replacement. There are also compatibility issues due to lack of support for the latest Windows operating systems.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings		27,000				27,000
Total		27,000				27,000

Funding Sources	2016	2017	2018	2019	2020	Total
Information Technology Fund		27,000				27,000
Total		27,000				27,000

Project # 17-IT-003
Project Name Public Safety Body Cameras

Department Information Technology
Contact
Type Equipment
Useful Life
Category Administration
Priority

Description

Body cameras for police officers and associated data storage.

Justification

The body cameras protect the officer and the wrong-doer.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings		65,000				65,000
Total		65,000				65,000

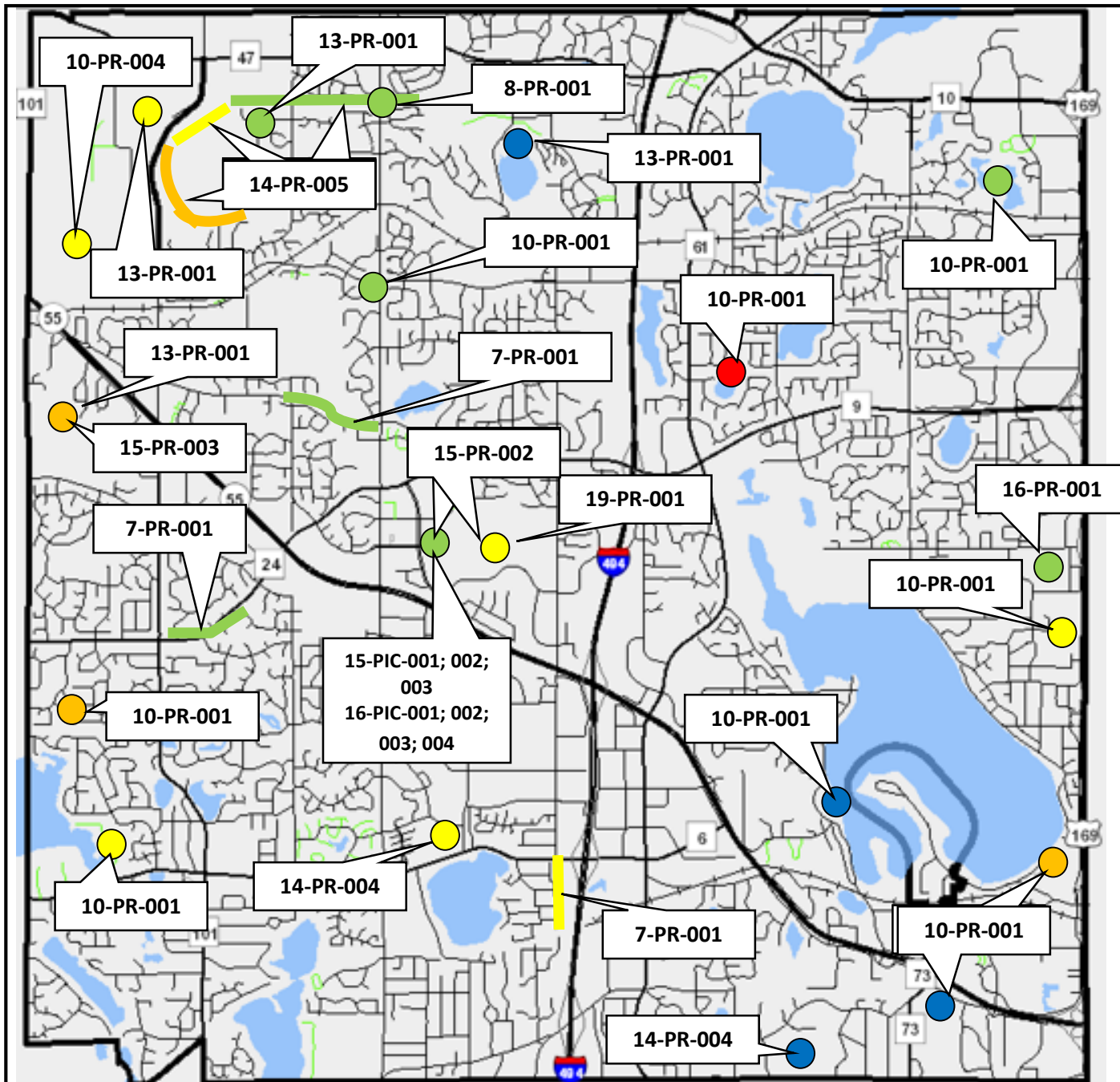
Funding Sources	2016	2017	2018	2019	2020	Total
Information Technology Fund		65,000				65,000
Total		65,000				65,000

City of Plymouth, Minnesota
Capital Improvement Program
2016 thru 2020

PROJECTS & FUNDING SOURCES BY DEPARTMENT

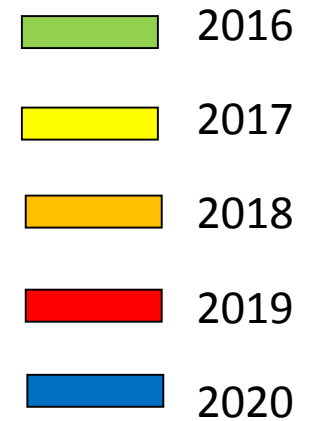
Department	Project#	Priority	2016	2017	2018	2019	2020	Total
Parks and Recreation								
New Trails	07-PR-001	n/a	510,000	35,000	300,000	200,000	350,000	1,395,000
Land Acquisition	07-PR-003	n/a	400,000	400,000	400,000	500,000		1,700,000
Trail Repair	07-PR-004	n/a	205,000	205,000	210,000	210,000	215,000	1,045,000
Replace Irrigation Systems	07-PR-005	n/a			75,000	205,000	225,000	505,000
Trail Crossing	08-PR-001	n/a	1,600,000					1,600,000
Playground Replacement or Renovation	10-PR-001	n/a	500,000	210,000	500,000	200,000	500,000	1,910,000
Add/Replace Outdoor Hockey Rinks	10-PR-004	n/a		300,000	150,000		175,000	625,000
Miscellaneous Park Improvements	10-PR-008	n/a	141,000	125,000	100,000	100,000	75,000	541,000
Replace Ice Center Zambonis	13-PIC-001	n/a				150,000		150,000
Neighborhood Parks	13-PR-001	n/a	400,000	420,000	420,000		500,000	1,740,000
Relace Ice Center Rubber Flooring	14-PIC-001	n/a		75,000				75,000
Replace Ice Center Dehumidifier Desicant Wheels	14-PIC-003	n/a	30,000				35,000	65,000
Replace Miscellaneous Boardwalks	14-PR-003	n/a	30,000	35,000	25,000	30,000		120,000
Tennis Court Repair	14-PR-004	n/a	240,000				275,000	515,000
Northwest Greenway Trail	14-PR-005	n/a	900,000	1,100,000	2,100,000			4,100,000
Ice Center Refrigerant Conversion	15-PIC-001	n/a	1,355,800					1,355,800
Ice Center Olympic Rink Conversion	15-PIC-002	n/a	850,000					850,000
Parking Lot Repair/Replacement	15-PR-002	n/a	1,350,000		350,000		550,000	2,250,000
Outdoor Turf Field	15-PR-003	n/a		1,000,000				1,000,000
Replace Ice Center Roof Top Air Handler	16-PIC-001	n/a	80,000					80,000
Replace Ice Center Roof	16-PIC-002	n/a	1,350,000					1,350,000
RUPP Roof Air-Exchange/Handler	16-PIC-003	n/a	30,000					30,000
Ice Center Energy Management System	16-PIC-004	n/a	30,000					30,000
New Pump Track	16-PR-001	n/a	90,000					90,000
Park Lighting	16-PR-002	n/a	150,000	275,000	100,000	110,000	120,000	755,000
Electronic Reader Board Repair/Renovation	16-PR-003	n/a	40,000		75,000			115,000
Replace Ice Center Dasher Boards	17-PIC-001	n/a	75,000			75,000		150,000
Park Building Renovation and Repair	17-PR-001	n/a	50,000	500,000	50,000		500,000	1,100,000
Replace Ice Center Scoreboards	18-PIC-001	n/a			36,000			36,000
Fieldhouse Dome Replacement	19-PR-001	n/a		600,000				600,000
Replace Cooling Towers at Plymouth Ice Center	20-PIC-001	n/a					110,000	110,000
10th Playfield Land Development	20-PR-001	n/a					4,000,000	4,000,000
Parks and Recreation Total			10,406,800	5,280,000	4,891,000	1,780,000	7,630,000	29,987,800
<i>Capital Improvement Fund (FND 409)</i>			3,555,800					3,555,800
<i>Field House Fund</i>			150,000	600,000	37,500			787,500
<i>Ice Center Fund</i>			285,000	75,000	36,000	225,000	145,000	766,000
<i>Park Dedication Fund</i>			4,550,000	3,255,000	3,320,000	700,000	4,970,000	16,795,000
<i>Park Replacement Fund</i>			1,866,000	1,350,000	1,497,500	855,000	2,515,000	8,083,500

Department	Project#	Priority	2016	2017	2018	2019	2020	Total
	<i>Parks and Recreation Total</i>		10,406,800	5,280,000	4,891,000	1,780,000	7,630,000	29,987,800
	Grand Total		10,406,800	5,280,000	4,891,000	1,780,000	7,630,000	29,987,800



2016-2020 Capital Improvement Program

Park and Recreation Projects



Note: Not all CIP projects shown on map.



Project # 07-PR-001
Project Name New Trails

Department Parks and Recreation
Contact
Type Improvement/Acquisition
Useful Life
Category Parks and Recreation
Priority

Description

Construct additional trails to expand the current system in accordance with the Comprehensive Plan.
 2016 - CSAH 24 (\$200,000) and Old Rockford Road (\$310,000)
 2017 - Fernbrook Lane from CSAH 6 to Luce Line as part of the TAP grant
 2019 - Fernbrook Lane/Schmidt Lake Road
 2020 - Medina Road

Justification

New trails generally link gaps in the existing trail system. All future trails are shown on the Comprehensive Plan and Trail Gap Plan.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance	510,000	35,000	300,000	200,000	350,000	1,395,000
Total	510,000	35,000	300,000	200,000	350,000	1,395,000

Funding Sources	2016	2017	2018	2019	2020	Total
Park Dedication Fund	510,000	35,000	300,000	200,000	350,000	1,395,000
Total	510,000	35,000	300,000	200,000	350,000	1,395,000

Project # 07-PR-003
Project Name Land Acquisition

Department Parks and Recreation
Contact
Type Improvement/Acquisition
Useful Life
Category Parks and Recreation
Priority

Description

The City plans to acquire land in Plymouth for the Northwest Greenway Corridor and neighborhood parks.

Justification

Acquisition of land for the Northwest Greenway Corridor and neighborhood parks is anticipated in the Comprehensive Plan and Park Facilities Plan.

Expenditures	2016	2017	2018	2019	2020	Total
Land Acquisition	400,000	400,000	400,000	500,000		1,700,000
Total	400,000	400,000	400,000	500,000		1,700,000

Funding Sources	2016	2017	2018	2019	2020	Total
Park Dedication Fund	400,000	400,000	400,000	500,000		1,700,000
Total	400,000	400,000	400,000	500,000		1,700,000

Project # 07-PR-004
Project Name Trail Repair

Department Parks and Recreation
Contact
Type Repair/Replacement
Useful Life
Category Parks and Recreation
Priority

Description

Funding is provided in all five years of the CIP for repairs of trails. Locations of repair have not yet been determined. Staff prioritizes the trails in need of repair each year.

Justification

The park system contains about 130 miles of trails. The average life of each section of trail or parking lot is about 15-20 years. Many of the trails are starting to deteriorate.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance	205,000	205,000	210,000	210,000	215,000	1,045,000
Total	205,000	205,000	210,000	210,000	215,000	1,045,000

Funding Sources	2016	2017	2018	2019	2020	Total
Park Replacement Fund	205,000	205,000	210,000	210,000	215,000	1,045,000
Total	205,000	205,000	210,000	210,000	215,000	1,045,000

Project # 07-PR-005
Project Name Replace Irrigation Systems

Department Parks and Recreation
Contact
Type Repair/Replacement
Useful Life
Category Parks and Recreation
Priority

Description

A multi-year program to replace failed or failing irrigation systems in the parks and at playfields:
 2018- Parkers Lake Park
 2019- Parkers Lake Playfield
 2020- Bass Lake Playfield

Justification

The irrigation systems installed in the City's parks and playfields are aging and have been experiencing more and more problems. This program should return the systems to a dependable condition.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance			75,000	205,000	225,000	505,000
Total			75,000	205,000	225,000	505,000

Funding Sources	2016	2017	2018	2019	2020	Total
Park Replacement Fund			75,000	205,000	225,000	505,000
Total			75,000	205,000	225,000	505,000

Project # 08-PR-001
Project Name Trail Crossing

Department Parks and Recreation
Contact
Type Improvement/Acquisition
Useful Life
Category Parks and Recreation
Priority

Description

This project would fund a trail crossing under or over roadways. In 2016 - Northwest Greenway pedestrian bridge over Vicksburg Lane.

Justification

These projects would create a safe route for pedestrian traffic to cross higher volume/busy roadways.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance	1,600,000					1,600,000
Total	1,600,000					1,600,000

Funding Sources	2016	2017	2018	2019	2020	Total
Park Dedication Fund	1,600,000					1,600,000
Total	1,600,000					1,600,000

Project # 10-PR-001
Project Name Playground Replacement or Renovation

Department Parks and Recreation
Contact
Type Repair/Replacement
Useful Life
Category Parks and Recreation
Priority

Description

This project replaces or renovates existing playground structures. Renovation may include painting, resurfacing, layout adjustment and/or additional features. Replacement provides for full removal and new equipment. Based on the condition of the structures, neighborhood parks will be renovated and city parks will be replaced.

Schedule projects: 2016-Zachary, Gateway and Three Ponds; 2017-Sunrise and Imperial Hills, 2018-East Medicine Lake (incorporates a splash pad) and Green Oaks; 2019-Swan Lake; 2020-West Medicine Lake and LaCompte

Justification

Playgrounds have about a 17-year life. The replacement or renovation will ensure a continued safe play environment for our youth.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance	500,000	210,000	500,000	200,000	500,000	1,910,000
Total	500,000	210,000	500,000	200,000	500,000	1,910,000

Funding Sources	2016	2017	2018	2019	2020	Total
Park Replacement Fund	500,000	210,000	500,000	200,000	500,000	1,910,000
Total	500,000	210,000	500,000	200,000	500,000	1,910,000

Project # 10-PR-004
Project Name Add/Replace Outdoor Hockey Rinks

Department Parks and Recreation
Contact
Type Repair/Replacement
Useful Life
Category Parks and Recreation
Priority

Description

We are downsizing from 11 outdoor hockey rinks to 6 rinks. The 6 rinks will be geographically spaced throughout the community and built to a higher quality. Plymouth Creek Park rink was replaced in 2010; Zachary Park rink in 2011. Additional rinks projected for replacement include Elm Creek Park (2017); Oakwood (2018) and LaCompte (2020).
 Park Dedication funds will be used for the Elm Creek facility. The remaining rink facilities will use Park Replacement fund for the replacement costs and Park Dedication will be used to fund the upgrade costs for the new rinks.

Justification

All of the existing hockey rinks are approaching 30 years of age and need to be replaced.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance		300,000	150,000		175,000	625,000
Total		300,000	150,000		175,000	625,000

Funding Sources	2016	2017	2018	2019	2020	Total
Park Dedication Fund		300,000				300,000
Park Replacement Fund			150,000		175,000	325,000
Total		300,000	150,000		175,000	625,000

Project # 10-PR-008
Project Name Miscellaneous Park Improvements

Department Parks and Recreation
Contact
Type Repair/Replacement
Useful Life
Category Parks and Recreation
Priority

Description

This project is a combination of miscellaneous improvements to the park system (e.g. fence repair/replacement, shelter/building painting and repair).

Justification

Repair and/or replacement of park amenities are important to ensure a quality park system.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance	141,000	125,000	100,000	100,000	75,000	541,000
Total	141,000	125,000	100,000	100,000	75,000	541,000

Funding Sources	2016	2017	2018	2019	2020	Total
Park Replacement Fund	141,000	125,000	100,000	100,000	75,000	541,000
Total	141,000	125,000	100,000	100,000	75,000	541,000

Project # 13-PIC-001
Project Name Replace Ice Center Zambonis

Department Parks and Recreation
Contact
Type Repair/Replacement
Useful Life
Category Parks and Recreation
Priority

Description

Replace the ice surfacing machine (Zamboni).

Justification

Zambonis will be 17 years old and are in need of replacement. Rink C Zamboni replacement.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings				150,000		150,000
Total				150,000		150,000

Funding Sources	2016	2017	2018	2019	2020	Total
Ice Center Fund				150,000		150,000
Total				150,000		150,000

Project # 13-PR-001
Project Name Neighborhood Parks

Department Parks and Recreation
Contact
Type Improvement/Acquisition
Useful Life
Category Parks and Recreation
Priority

Description

Develop neighborhood parks to serve new residents in the community. Scheduled projects: 2016-NW Plymouth; 2017-Enclave or Brockton, 2018-Enclave or Brockton, 2020-Pomerleau.

Justification

As identified in the Comprehensive Plan we typically provide a park for new residential developments. The need for these parks will depend on the number of housing units constructed/occupied. If development is slow, these projects may be pushed back.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance	400,000	420,000	420,000		500,000	1,740,000
Total	400,000	420,000	420,000		500,000	1,740,000

Funding Sources	2016	2017	2018	2019	2020	Total
Park Dedication Fund	400,000	420,000	420,000		500,000	1,740,000
Total	400,000	420,000	420,000		500,000	1,740,000

Project # 14-PIC-001
Project Name Relace Ice Center Rubber Flooring

Department Parks and Recreation
Contact
Type Repair/Replacement
Useful Life
Category Parks and Recreation
Priority

Description

Replace rubber flooring. Scheduled projects: 2017-locker rooms.

Justification

17 years of heavy traffic has created much wear from skates cutting into the rubber.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings		75,000				75,000
Total		75,000				75,000

Funding Sources	2016	2017	2018	2019	2020	Total
Ice Center Fund		75,000				75,000
Total		75,000				75,000

Project # 14-PIC-003
Project Name Replace Ice Center Dehumidifier Desicant Wheels

Department Parks and Recreation
Contact
Type Repair/Replacement
Useful Life
Category Parks and Recreation
Priority

Description

Replace dehumidifier desicant wheels, which is the main factor for the operation of each dehumidifier.

Justification

The material on each wheel wears away through years of use not allowing for proper operation. Wheels will be replaced if conditions warrant.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings	30,000				35,000	65,000
Total	30,000				35,000	65,000

Funding Sources	2016	2017	2018	2019	2020	Total
Ice Center Fund	30,000				35,000	65,000
Total	30,000				35,000	65,000

Project # 14-PR-003
Project Name Replace Miscellaneous Boardwalks

Department Parks and Recreation
Contact
Type Repair/Replacement
Useful Life
Category Parks and Recreation
Priority

Description

Replace boardwalks in various parks. The project was scheduled for replacement in 2014 after further evaluation the project repair work will be spread out over the next few years. Proactively repairing boardwalks help to avoid the more substantial cost of replacement.

Justification

A number of boardwalks will need to be replaced in order to keep them in a safe, usable condition.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance	30,000	35,000	25,000	30,000		120,000
Total	30,000	35,000	25,000	30,000		120,000

Funding Sources	2016	2017	2018	2019	2020	Total
Park Replacement Fund	30,000	35,000	25,000	30,000		120,000
Total	30,000	35,000	25,000	30,000		120,000

Project # 14-PR-004
Project Name Tennis Court Repair

Department Parks and Recreation
Contact
Type Repair/Replacement
Useful Life
Category Parks and Recreation
Priority

Description

This project would replace/repair the existing tennis/basketball courts which are nearing the end of their expected life. Parkers Lake installed in 1992 to be replaced in 2016 (\$240,000) and Ridgemount will be replaced in 2020.

Justification

The asphalt surface and tennis post system has deteriorated significantly over the years. The playability of the courts has diminished. The courts are 22+ years old and have exceeded their expected life.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance	240,000				275,000	515,000
Total	240,000				275,000	515,000

Funding Sources	2016	2017	2018	2019	2020	Total
Park Replacement Fund	240,000				275,000	515,000
Total	240,000				275,000	515,000

Project # 14-PR-005
Project Name Northwest Greenway Trail

Department Parks and Recreation
Contact
Type Improvement/Acquisition
Useful Life
Category Parks and Recreation
Priority

Description

This project would provide for the installation of Northwest Greenway trails.
 Scheduled projects: 2016-western trail (Vicksburg to Plymouth Dog Park); 2017-Dog Park Trailhead; 2018-Elm Creek Trail Loop.

Justification

The Comprehensive Plan and the Northwest Greenway Master Plan anticipates the development and construction of the Northwest Greenway trail corridor system.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance	900,000	1,100,000	2,100,000			4,100,000
Total	900,000	1,100,000	2,100,000			4,100,000

Funding Sources	2016	2017	2018	2019	2020	Total
Park Dedication Fund	900,000	1,100,000	2,100,000			4,100,000
Total	900,000	1,100,000	2,100,000			4,100,000

Project # 15-PIC-001
Project Name Ice Center Refrigerant Conversion

Department Parks and Recreation
Contact
Type Repair/Replacement
Useful Life
Category Parks and Recreation
Priority

Description

Change coolant from existing R22 Freon to an ammonia based refrigerant system.

Justification

R22 Freon is being phased out and in 2020 it will no longer be available. Production was cut by 50% in 2012 and the price has increased from \$3 per pound to \$13 per pound.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance	1,355,800					1,355,800
Total	1,355,800					1,355,800

Funding Sources	2016	2017	2018	2019	2020	Total
Capital Improvement Fund (FND 409)	1,355,800					1,355,800
Total	1,355,800					1,355,800

Project # 15-PIC-002
Project Name Ice Center Olympic Rink Conversion

Department Parks and Recreation
Contact
Type Repair/Replacement
Useful Life
Category Parks and Recreation
Priority

Description

Convert olympic ice sheet to professional with concrete floor.

Justification

Large energy savings. 90% of ice users do not want to use the large sheet of ice.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance	850,000					850,000
Total	850,000					850,000

Funding Sources	2016	2017	2018	2019	2020	Total
Capital Improvement Fund (FND 409)	850,000					850,000
Total	850,000					850,000

Project # 15-PR-002
Project Name Parking Lot Repair/Replacement

Department Parks and Recreation
Contact
Type Repair/Replacement
Useful Life
Category Parks and Recreation
Priority

Description

This project would replace the existing parking lots. Scheduled projects; 2016-Lifetime Fitness/Ice Center (shared expense); 2016-Plymouth Creek Center/Field House; Zachary Park; 2018-Parkers Lake; 2020-Plymouth Creek Playfield.

Justification

The average life of parking lots is 20 years. The scheduled areas are showing signs of deterioration and must be replaced or renovated to ensure continued usability and safety.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance	1,350,000		350,000		550,000	2,250,000
Total	1,350,000		350,000		550,000	2,250,000

Funding Sources	2016	2017	2018	2019	2020	Total
Field House Fund	150,000					150,000
Park Dedication Fund	650,000					650,000
Park Replacement Fund	550,000		350,000		550,000	1,450,000
Total	1,350,000		350,000		550,000	2,250,000

Project # 15-PR-003
Project Name Outdoor Turf Field

Department Parks and Recreation
Contact
Type Improvement/Acquisition
Useful Life
Category Parks and Recreation
Priority

Description

This project would provide for a new artificial turf field at Elm Creek Playfield or Zachary Playfield. The artificial sports field will provide a uniform and consistent playing surface that will meet the rigorous community use.

Justification

Installing an artificial turf field will provide a safe, consistent and reliable playing surface for the community. A grass field simply cannot remain resilient if it is used more than three to four days a week, or in the rain, or during the months of the year when grass doesn't grow.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance		1,000,000				1,000,000
Total		1,000,000				1,000,000

Funding Sources	2016	2017	2018	2019	2020	Total
Park Dedication Fund		1,000,000				1,000,000
Total		1,000,000				1,000,000

Project # 16-PIC-001
Project Name Replace Ice Center Roof Top Air Handler

Department Parks and Recreation
Contact
Type Repair/Replacement
Useful Life
Category Parks and Recreation
Priority

Description

Replace roof to air handler (HVAC).

Justification

The existing HVAC unit is undersized, overworked and will be 19 years old and in need of replacement if conditions warrant.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance	80,000					80,000
Total	80,000					80,000

Funding Sources	2016	2017	2018	2019	2020	Total
Ice Center Fund	80,000					80,000
Total	80,000					80,000

Project # 16-PIC-002
Project Name Replace Ice Center Roof

Department Parks and Recreation
Contact
Type Repair/Replacement
Useful Life
Category Parks and Recreation
Priority

Description

Replace roof.

Justification

The existing roof will be 19 years old and in need of replacement if conditions warrant.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance	1,350,000					1,350,000
Total	1,350,000					1,350,000

Funding Sources	2016	2017	2018	2019	2020	Total
Capital Improvement Fund (FND 409)	1,350,000					1,350,000
Total	1,350,000					1,350,000

Project # 16-PIC-003
Project Name RUPP Roof Air-Exchange/Handler

Department Parks and Recreation
Contact
Type Repair/Replacement
Useful Life
Category Parks and Recreation
Priority

Description

Replace the air-exchange units for locker rooms servicing Rinks A and B.

Justification

The existing air-exchange is old and not working effectively.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance	30,000					30,000
Total	30,000					30,000

Funding Sources	2016	2017	2018	2019	2020	Total
Ice Center Fund	30,000					30,000
Total	30,000					30,000

Project # 16-PIC-004
Project Name Ice Center Energy Management System

Department Parks and Recreation
Contact
Type Repair/Replacement
Useful Life
Category Parks and Recreation
Priority

Description

This project would update and install an automated HVAC control system for the Ice Center.

Justification

The existing system is obsolete and technology is outdated.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance	30,000					30,000
Total	30,000					30,000

Funding Sources	2016	2017	2018	2019	2020	Total
Ice Center Fund	30,000					30,000
Total	30,000					30,000

Project # 16-PR-001
Project Name New Pump Track

Department Parks and Recreation
Contact
Type Improvement/Acquisition
Useful Life
Category Parks and Recreation
Priority

Description

The project would provide for the acquisition of looping track for use by bicycles, skate boards, rollerblades and scooters. The pump track is a modular system that uses pumping motion to propel the rider. They are safe for all skill levels. The track would be installed at Plymouth Creek Playfield.

Justification

Pump tracks are the newest and most exciting activity in recreation and will enhance recreational opportunities in the community.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance	90,000					90,000
Total	90,000					90,000

Funding Sources	2016	2017	2018	2019	2020	Total
Park Dedication Fund	90,000					90,000
Total	90,000					90,000

Project # 16-PR-002
Project Name Park Lighting

Department Parks and Recreation
Contact
Type Improvement/Acquisition
Useful Life
Category Parks and Recreation
Priority

Description

The project would fund the replacement and addition of new lighting fixtures within the park system. Project locations include; 2016-Hilde Performance Center (change to LED); 2017-Plymouth Creek Park (change to LED); 2018-East Medicine Lake; 2019-Parkers Lake (change to LED); 2020-West Medicine Lake.

Justification

Many of the lighting fixtures in the park system are old, inefficient and/or do not provide adequate safety lighting.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance	150,000	275,000	100,000	110,000	120,000	755,000
Total	150,000	275,000	100,000	110,000	120,000	755,000

Funding Sources	2016	2017	2018	2019	2020	Total
Park Dedication Fund			100,000		120,000	220,000
Park Replacement Fund	150,000	275,000		110,000		535,000
Total	150,000	275,000	100,000	110,000	120,000	755,000

Project # 16-PR-003
Project Name Electronic Reader Board Repair/Renovation

Department Parks and Recreation
Contact
Type Improvement/Acquisition
Useful Life
Category Parks and Recreation
Priority

Description

This project would repair and renovate electronic reader boards. 2016-Plymouth Ice Center; 2018-Plymouth Creek Center.

Justification

The electronic reader boards are aging and have outdated electronics which require renovation or replacement.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance	40,000		75,000			115,000
Total	40,000		75,000			115,000

Funding Sources	2016	2017	2018	2019	2020	Total
Field House Fund			37,500			37,500
Ice Center Fund	40,000					40,000
Park Replacement Fund			37,500			37,500
Total	40,000		75,000			115,000

Project # 17-PIC-001
Project Name Replace Ice Center Dasher Boards

Department Parks and Recreation
Contact
Type Repair/Replacement
Useful Life
Category Parks and Recreation
Priority

Description

Replace steel supports and dasher poly boards on Rink A in 2015 rather than 2017 in coordination with rink conversion. Replace Rink B in 2019.

Justification

The existing dasher boards will be in need of replacement if conditions warrant.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance	75,000			75,000		150,000
Total	75,000			75,000		150,000

Funding Sources	2016	2017	2018	2019	2020	Total
Ice Center Fund	75,000			75,000		150,000
Total	75,000			75,000		150,000

Project # 17-PR-001
Project Name Park Building Renovation and Repair

Department Parks and Recreation
Contact
Type Improvement/Acquisition
Useful Life
Category Parks and Recreation
Priority

Description

This project would repair and replace existing park amenities such as interior doors, windows and ADA compliance issues (2016, 2018). Larger renovation or replacement projects include; 2017-East Medicine Lake Park; 2020-Plymouth Creek Playfield.

Justification

Most of the park buildings were built in the 1980s and are in need of renovation for continued community use.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance	50,000	500,000	50,000		500,000	1,100,000
Total	50,000	500,000	50,000		500,000	1,100,000

Funding Sources	2016	2017	2018	2019	2020	Total
Park Replacement Fund	50,000	500,000	50,000		500,000	1,100,000
Total	50,000	500,000	50,000		500,000	1,100,000

Project # 18-PIC-001
Project Name Replace Ice Center Scoreboards

Department Parks and Recreation
Contact
Type Repair/Replacement
Useful Life
Category Parks and Recreation
Priority

Description

Replace ice area scoreboard on Rink B.

Justification

The existing scoreboard is becoming obsolete, has maintenance and/or operational issues.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance			36,000			36,000
Total			36,000			36,000

Funding Sources	2016	2017	2018	2019	2020	Total
Ice Center Fund			36,000			36,000
Total			36,000			36,000

Project # 19-PR-001
Project Name Fieldhouse Dome Replacement

Department Parks and Recreation
Contact
Type Repair/Replacement
Useful Life
Category Parks and Recreation
Priority

Description

This project replaces the Field House Dome and lighting.

Justification

The existing dome is showing signs of deterioration and must be replaced to ensure continued usability and safety. The dome is tested yearly for craking and other weaknesses. Lighting replacement for energy efficiency.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance		600,000				600,000
Total		600,000				600,000

Funding Sources	2016	2017	2018	2019	2020	Total
Field House Fund		600,000				600,000
Total		600,000				600,000

Project # 20-PIC-001
Project Name Replace Cooling Towers at Plymouth Ice Center

Department Parks and Recreation
Contact
Type Repair/Replacement
Useful Life
Category Parks and Recreation
Priority

Description

This project would replace the Plymouth Ice Center cooling towers.

Justification

The cooling towers are aging and due for replacement.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance					110,000	110,000
Total					110,000	110,000

Funding Sources	2016	2017	2018	2019	2020	Total
Ice Center Fund					110,000	110,000
Total					110,000	110,000

Project # 20-PR-001
Project Name 10th Playfield Land Development

Department Parks and Recreation
Contact
Type Improvement/Acquisition
Useful Life
Category Parks and Recreation
Priority

Description

This project would provide for the development of the 10th playfield property located at the intersection of CR 47 and Peony Lane.

Justification

The park will be developed with appropriate amenities to meet the needs and current recreational trends of the community as identified in the Comprehensive Plan.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance					4,000,000	4,000,000
Total					4,000,000	4,000,000

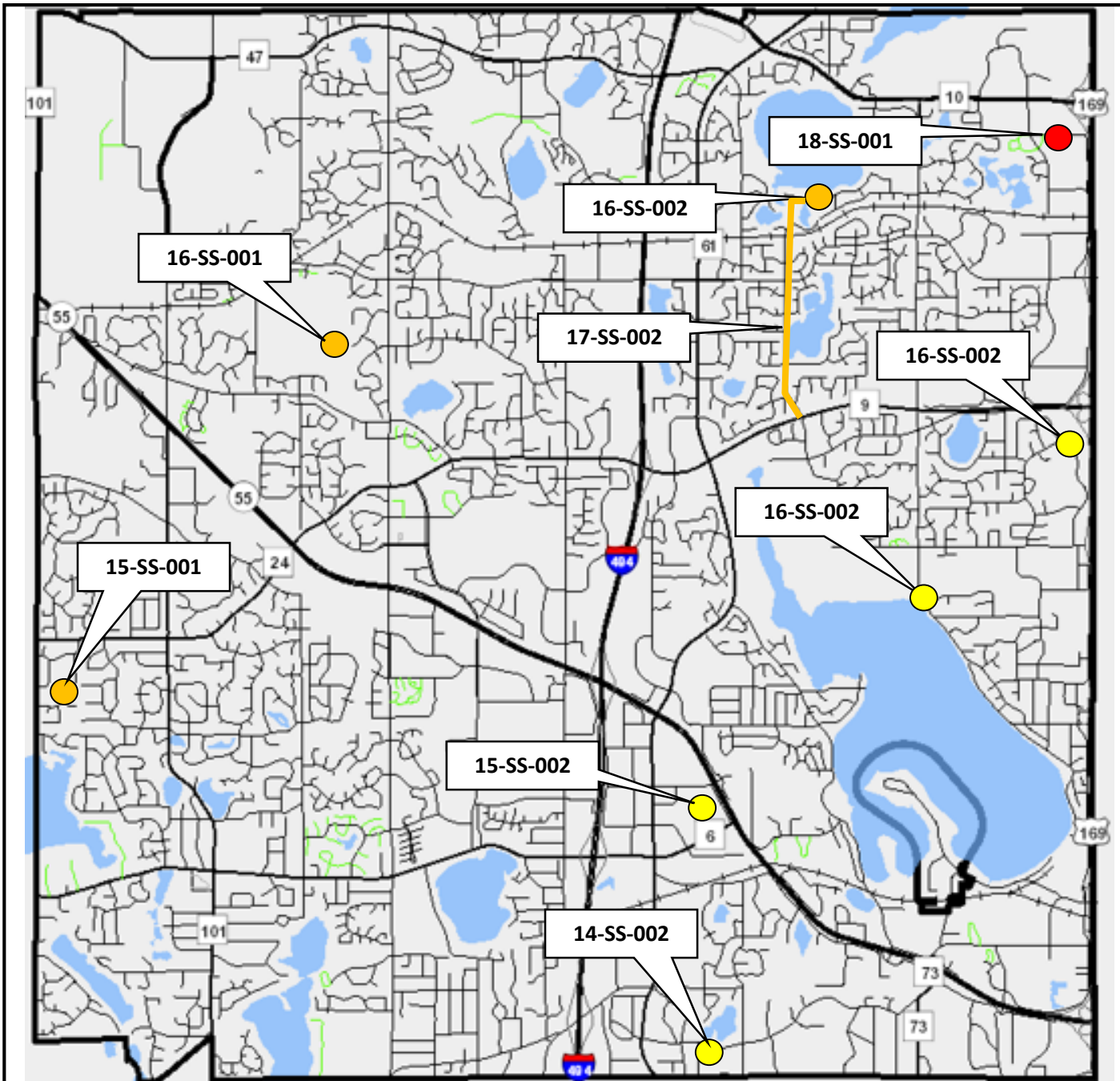
Funding Sources	2016	2017	2018	2019	2020	Total
Park Dedication Fund					4,000,000	4,000,000
Total					4,000,000	4,000,000

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City of Plymouth, Minnesota
Capital Improvement Program
2016 thru 2020

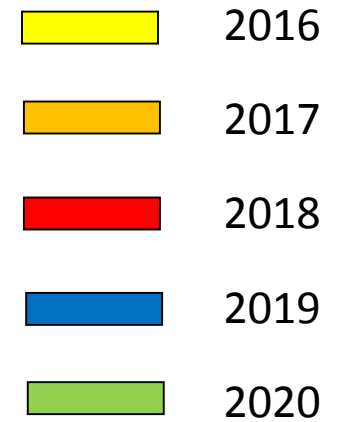
PROJECTS & FUNDING SOURCES BY DEPARTMENT

Department	Project#	Priority	2016	2017	2018	2019	2020	Total
Sanitary Sewer								
Line Sanitary Sewer Main: Annual Program	06-SS-003	n/a	780,000	860,000	930,000	1,000,000	1,000,000	4,570,000
Trunk Sewer Oversizing	08-SS-002	n/a	100,000	100,000	100,000	100,000	100,000	500,000
Refurbish Sunset Hill Lift Station	14-SS-002	n/a	600,000					600,000
Refurbish Greentree Lift Station	15-SS-001	n/a	90,000	600,000				690,000
15th Ave./Pineview Lane San. Sewer Replacement	15-SS-002	n/a	400,000					400,000
Abandon Autumn Hills Lift Station	16-SS-001	n/a	100,000	500,000				600,000
Backup Pumps Larger Lift Stations	16-SS-002	n/a	110,000	55,000				165,000
Connect Bass Lake Lift Station to Fiberoptics	17-SS-002	n/a		115,000				115,000
Refurbish Bass Lake Plaza Lift Station	18-SS-001	n/a		100,000	700,000			800,000
Sanitary Sewer Total			2,180,000	2,330,000	1,730,000	1,100,000	1,100,000	8,440,000
<i>Sewer Fund</i>			2,080,000	2,230,000	1,630,000	1,000,000	1,000,000	7,940,000
<i>Utility Trunk Fund</i>			100,000	100,000	100,000	100,000	100,000	500,000
Sanitary Sewer Total			2,180,000	2,330,000	1,730,000	1,100,000	1,100,000	8,440,000
Grand Total			2,180,000	2,330,000	1,730,000	1,100,000	1,100,000	8,440,000



2016-2020 Capital Improvement Program

Sanitary Sewer Projects



Note: Not all CIP projects shown on map.



Project # 06-SS-003
Project Name Line Sanitary Sewer Main: Annual Program

Department Sanitary Sewer
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

This project would line existing sewer mains in areas of the City having infiltration and/or root intrusion and maintenance problems. A majority of this work will be done in areas with older clay pipe. This is expected to be an annual and ongoing program.

Justification

This project is part of the City's annual I & I program aimed at eliminating the introduction of groundwater into the sanitary sewer system. The area to be lined in a given year will be determined by televising the sanitary sewer.

Expenditures	2016	2017	2018	2019	2020	Total
Planning/Design	10,000	10,000	10,000	10,000	10,000	50,000
Construction/Maintenance	770,000	850,000	920,000	990,000	990,000	4,520,000
Total	780,000	860,000	930,000	1,000,000	1,000,000	4,570,000

Funding Sources	2016	2017	2018	2019	2020	Total
Sewer Fund	780,000	860,000	930,000	1,000,000	1,000,000	4,570,000
Total	780,000	860,000	930,000	1,000,000	1,000,000	4,570,000

Project # 08-SS-002
Project Name Trunk Sewer Oversizing

Department Sanitary Sewer
Contact
Type Improvement/Acquisition
Useful Life
Category Public Works
Priority

Description

This project would reimburse developer(s) for the oversize and overdepth installation of trunk sewer as identified in the Comprehensive Plan Development Staging Plan. Much of the construction is anticipated to be done by the developers who will be reimbursed for oversizing beyond their basic responsibility. The actual timing of the improvement will depend on development activity.

Justification

The City's Comprehensive Plan contemplates the extension of gravity sewer in accordance with the Development Staging Plan.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance	100,000	100,000	100,000	100,000	100,000	500,000
Total	100,000	100,000	100,000	100,000	100,000	500,000

Funding Sources	2016	2017	2018	2019	2020	Total
Utility Trunk Fund	100,000	100,000	100,000	100,000	100,000	500,000
Total	100,000	100,000	100,000	100,000	100,000	500,000

Project # 14-SS-002
Project Name Refurbish Sunset Hill Lift Station

Department Sanitary Sewer
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

This project would refurbish the Sunset Hill liftstation. The end result should be a more reliable liftstation with an on-site generator.

Justification

The Sanitary Sewer Plan element of the Comprehensive Plan identifies the need to upgrade and refurbish 7 aging and deteriorating liftstations. Renovation of the Sunset Hill Liftstation will continue the program on the revised schedule.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance	600,000					600,000
Total	600,000					600,000

Funding Sources	2016	2017	2018	2019	2020	Total
Sewer Fund	600,000					600,000
Total	600,000					600,000

Project # 15-SS-001
Project Name Refurbish Greentree Lift Station

Department Sanitary Sewer
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

This project would refurbish the Greentree Lift Station. The end result would be a more reliable lift station. Several parts were upgraded in 2011 due to age and from storm damage.

Justification

The Sanitary Sewer Plan element of the Comprehensive Plan identifies the need to upgrade and refurbish 7 aging and deteriorating liftstations. Renovation of the Greentree Liftstation will continue the program on the revised schedule.

Expenditures	2016	2017	2018	2019	2020	Total
Planning/Design	90,000					90,000
Construction/Maintenance		600,000				600,000
Total	90,000	600,000				690,000

Funding Sources	2016	2017	2018	2019	2020	Total
Sewer Fund	90,000	600,000				690,000
Total	90,000	600,000				690,000

Project # 15-SS-002
Project Name 15th Ave./Pineview Lane San. Sewer Replacement

Department Sanitary Sewer
Contact
Type Improvement/Acquisition
Useful Life
Category Public Works
Priority

Description

This project would replace and relocate an existing 12" sanitary sewer crossing under TH 55 near 15th Avenue and Pineview Lane. The sanitary sewer is located in the bottom of a failing corrugated metal storm sewer.

Justification

The trunk sanitary sewer main needs to be replaced to avoid sewer backups that could result from the failing storm sewer. The sanitary sewer will be relocated outside of the storm sewer. See Project No. 16-WR-003.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance	400,000					400,000
Total	400,000					400,000

Funding Sources	2016	2017	2018	2019	2020	Total
Sewer Fund	400,000					400,000
Total	400,000					400,000

Project # 16-SS-001
Project Name Abandon Autumn Hills Lift Station

Department Sanitary Sewer
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

The Autumn Hills Lift Station was considered an interim lift station at the time of development. This project would abandon the Autumn Hills Lift Station and serve the neighborhood with gravity sewer.

Justification

The neighborhood can be served by gravity sewer. Development has not occurred as expected so the gravity line should be extended by the city.

Expenditures	2016	2017	2018	2019	2020	Total
Planning/Design	100,000					100,000
Construction/Maintenance		500,000				500,000
Total	100,000	500,000				600,000

Funding Sources	2016	2017	2018	2019	2020	Total
Sewer Fund	100,000	500,000				600,000
Total	100,000	500,000				600,000

Project # 16-SS-002
Project Name Backup Pumps Larger Lift Stations

Department Sanitary Sewer
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

Purchase a replacement/backup pump for the Mission Farm, Lancaster and Bass Lake Lift Stations.

Justification

Repair and replacement parts for lift station pumps takes 8-12 weeks meaning the lift station is served by one pump for that period of time which is unacceptable given the critical nature of the lift station dependability.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings	110,000	55,000				165,000
Total	110,000	55,000				165,000

Funding Sources	2016	2017	2018	2019	2020	Total
Sewer Fund	110,000	55,000				165,000
Total	110,000	55,000				165,000

Project # 17-SS-002
Project Name Connect Bass Lake Lift Station to Fiberoptics

Department Sanitary Sewer
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

This project would connect the Bass Lake Lift Station to the city's fiberoptic network to replace current radio communication with cellular backup.

Justification

Bass Lake Lift Station is the last of the three largest lift stations to be connected to the fiberoptic network. Communications are critical for the larger lift stations especially in this area of questionable power reliability.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings		115,000				115,000
Total		115,000				115,000

Funding Sources	2016	2017	2018	2019	2020	Total
Sewer Fund		115,000				115,000
Total		115,000				115,000

Project # 18-SS-001
Project Name Refurbish Bass Lake Plaza Lift Station

Department Sanitary Sewer
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

This project would refurbish the Bass Lake Plaza Lift Station. The end result would be a more reliable lift station.

Justification

The Sanitary Sewer Plan element of the Comprehensive Plan identifies the need to upgrade and refurbish 7 aging and deteriorating liftstations. Renovation of the Bass Lake Plaza Lift Station will continue the program on the revised schedule.

Expenditures	2016	2017	2018	2019	2020	Total
Planning/Design		100,000				100,000
Construction/Maintenance			700,000			700,000
Total		100,000	700,000			800,000

Funding Sources	2016	2017	2018	2019	2020	Total
Sewer Fund		100,000	700,000			800,000
Total		100,000	700,000			800,000

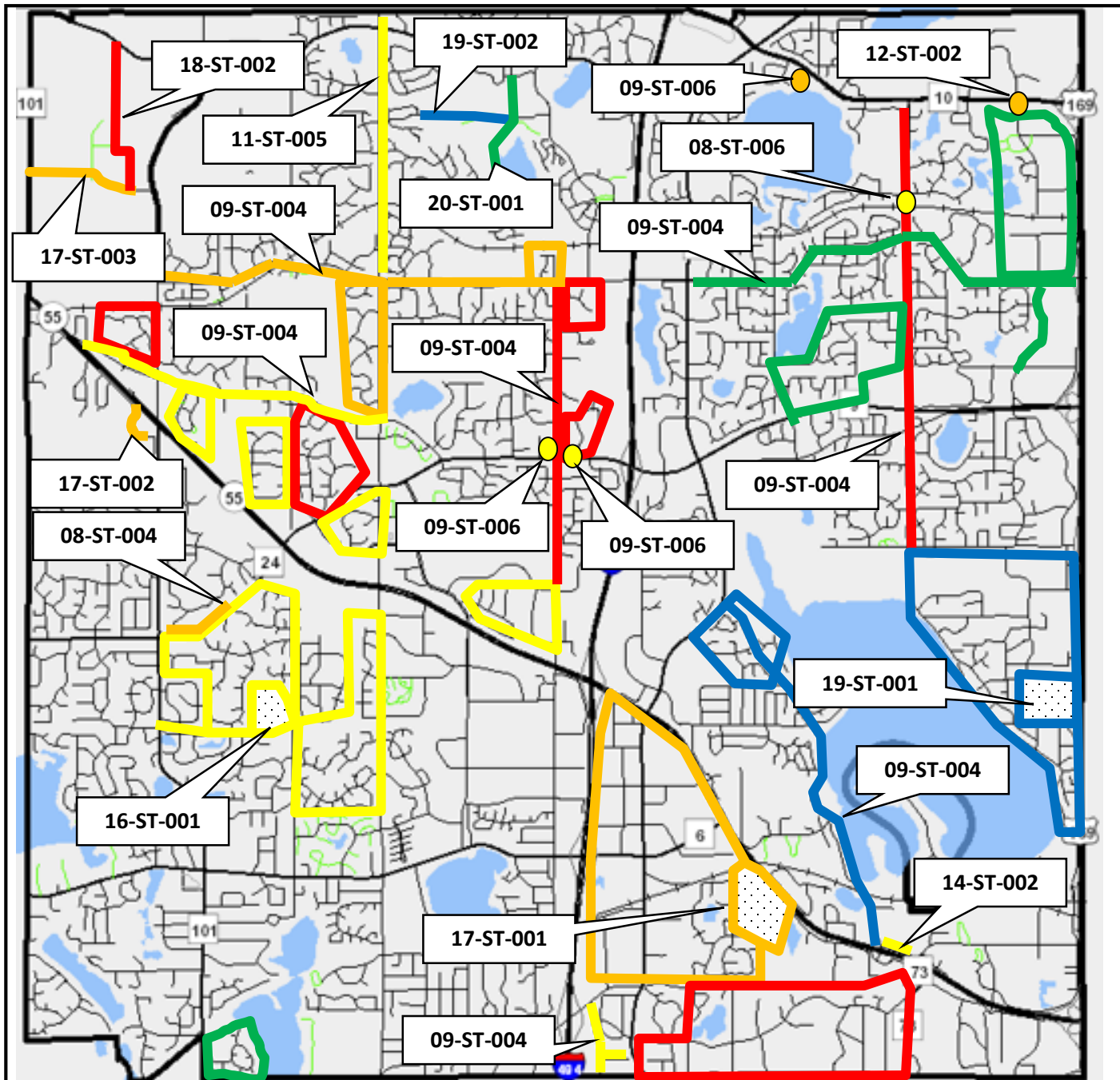
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City of Plymouth, Minnesota
Capital Improvement Program
2016 thru 2020

PROJECTS & FUNDING SOURCES BY DEPARTMENT

Department	Project#	Priority	2016	2017	2018	2019	2020	Total
Streets								
CR 24 - 30th Avenue to CR 101	08-ST-004	n/a	3,300,000					3,300,000
Rail X-ing Safety Improvements - Zachary Lane	08-ST-006	n/a	260,000					260,000
Mill & Overlay Projects	09-ST-004	n/a	800,000	1,000,000	1,800,000	700,000	1,000,000	5,300,000
Replace Retaining Walls	09-ST-006	n/a	120,000	90,000	90,000	90,000	90,000	480,000
Edge Mill and Overlay Projects	09-ST-007	n/a	2,720,000	2,720,000	2,720,000	2,720,000	2,720,000	13,600,000
Vicksburg Lane - Schmidt Lake Rd to Maple Grove	11-ST-005	n/a	13,300,000	1,000,000				14,300,000
Concrete Sidewalk Replacement	11-ST-010	n/a	100,000	50,000	50,000	50,000	50,000	300,000
Nathan Lane & CR 10 Intersection	12-ST-002	n/a	100,000	500,000				600,000
TH 55 Frontage Road Reconstruction	14-ST-002	n/a	750,000					750,000
Flashing Yellow Arrow Signal Conversions	15-ST-004	n/a	500,000	500,000				1,000,000
Upgrade Crosswalk Signage	15-ST-005	n/a	50,000					50,000
2016 Street Reconstruction	16-ST-001	n/a	1,170,000					1,170,000
2017 Street Reconstruction	17-ST-001	n/a	80,000	2,420,000				2,500,000
Frontage Road Southwest Corner CSAH 101 and TH55	17-ST-002	n/a		800,000				800,000
54th Avenue from Peony Lane to CSAH 101	17-ST-003	n/a		3,900,000				3,900,000
2018 Street Reconstruction	18-ST-001	n/a		80,000	2,000,000			2,080,000
Troy Lane from 54th Avenue to CR 47	18-ST-002	n/a			3,500,000			3,500,000
2019 Street Reconstruction	19-ST-001	n/a			80,000	2,000,000		2,080,000
57th Avenue from Woodcrest to Juneau Lane	19-ST-002	n/a				3,300,000		3,300,000
Juneau Lane from Hampton Hills to 59th Avenue	20-ST-001	n/a					2,500,000	2,500,000
2020 Street Reconstruction	20-ST-002	n/a				80,000	2,000,000	2,080,000
Streets Total			23,250,000	13,060,000	10,240,000	8,940,000	8,360,000	63,850,000
<i>Construction Improvement Fund (CON 413)</i>			500,000	500,000				1,000,000
<i>Federal Funding</i>			260,000					260,000
<i>Hennepin County</i>			1,500,000					1,500,000
<i>Municipal State Aid Fund</i>			1,970,000	3,300,000		3,300,000		8,570,000
<i>Other</i>			8,600,000	1,000,000				9,600,000
<i>Park Replacement Fund</i>			60,000					60,000
<i>Sewer Fund</i>			70,000	30,000	10,000	10,000	10,000	130,000
<i>Special Assessments - Streets</i>			1,220,000	3,220,000	1,600,000	1,600,000	1,600,000	9,240,000
<i>State Highway Bonds</i>			4,700,000					4,700,000
<i>State/County/Federal</i>				300,000				300,000
<i>Street Reconstruction Fund</i>			3,560,000	4,290,000	8,600,000	4,000,000	6,720,000	27,170,000
<i>Water Fund</i>			760,000	400,000	20,000	20,000	20,000	1,220,000
<i>Water Resources Fund</i>			50,000	20,000	10,000	10,000	10,000	100,000
Streets Total			23,250,000	13,060,000	10,240,000	8,940,000	8,360,000	63,850,000

Department	Project#	Priority	2016	2017	2018	2019	2020	Total
		Grand Total	23,250,000	13,060,000	10,240,000	8,940,000	8,360,000	63,850,000



2016-2020 Capital Improvement Program

Street Projects

- 2016
- 2017
- 2018
- 2019
- 2020

All others not identified are project 09-ST-007



Adding Quality to Life

Project # 08-ST-004
Project Name CR 24 - 30th Avenue to CR 101

Department Streets
Contact
Type Improvement/Acquisition
Useful Life
Category Public Works
Priority

Description

This project reconstructs County Road 24 from County Road 101 east to approximately Jewel Lane. This project has been postponed repeatedly by Hennepin County. Water main under the section of CR 24 from 30th Avenue to CR 101 is in excess of 30 years old. Since CR 24 is being reconstructed in that area it would be prudent to replace the aging water main with the project.

Justification

This project has been postponed repeatedly by Hennepin County. If the water main in CR 24 from 30th Avenue to CR 101 is not replaced as part of the CR24 project the City runs the risk of having to make a large number of main repairs in a new street surface which would affect the condition and longevity of the street.

Expenditures	2016	2017	2018	2019	2020	Total
Planning/Design	50,000					50,000
Construction/Maintenance	3,250,000					3,250,000
Total	3,300,000					3,300,000

Funding Sources	2016	2017	2018	2019	2020	Total
Hennepin County	1,500,000					1,500,000
Municipal State Aid Fund	1,500,000					1,500,000
Water Fund	300,000					300,000
Total	3,300,000					3,300,000

Project # 08-ST-006
Project Name Rail X-ing Safety Improvements - Zachary Lane

Department Streets
Contact
Type Improvement/Acquisition
Useful Life
Category Public Works
Priority

Description

This project constructs improvements at the Canadian Pacific (CP) Railroad crossing of Zachary Lane. The improvements would likely include either the relocation of the existing crossing gates and lane separation and signage to prevent waiting vehicles from bypassing the crossing gate or the addition of 2 crossing gates to fully block the crossing.

Justification

The safety improvements at this crossing are required by federal law if the City desires to prevent trains from blowing their whistles at each crossing.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance	260,000					260,000
Total	260,000					260,000

Funding Sources	2016	2017	2018	2019	2020	Total
Federal Funding	260,000					260,000
Total	260,000					260,000

Project # 09-ST-004
Project Name Mill & Overlay Projects

Department Streets
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

This project would remove and replace the top layer of pavement on a street. Mill and overlay projects also include repair of curb and gutter, drainage structures and sanitary manholes as needed. This procedure would add approximately 10-15 years of life to this roadway. The streets to be overlaid will be determined in the program year based on a condition assessment.

- 2016 - Old Rockford Road, Vicksburg Lane to TH 55 (\$600,000); Cheshire Lane, Carlson Parkway to City Limits (\$200,000)
- 2017 - Schmidt Lake Road, Peony Lane to Fernbrook Lane (\$1,000,000)
- 2018 - Fernbrook Lane, 34th Avenue to Schmidt Lake Road (\$900,000); Zachary Lane, Bass Lake Road to Rockford Road (\$900,000)
- 2019 - West Medicine Lake Drive, Northwest Boulevard to TH55
- 2020 - Schmidt Lake Road, Northwest Boulevard to Hwy 169

Justification

Street overlays are an important and cost effective part of the Pavement Management Program. They bridge the gap between street maintenance and street reconstruction. A street is generally overlaid before the condition deteriorates too far. An overlay at the proper time maintains the investment previously made in the roadway and cost effectively extends the life of the street.

Expenditures	2016	2017	2018	2019	2020	Total
Planning/Design	30,000	30,000	20,000	30,000	20,000	130,000
Construction/Maintenance	770,000	970,000	1,780,000	670,000	980,000	5,170,000
Total	800,000	1,000,000	1,800,000	700,000	1,000,000	5,300,000

Funding Sources	2016	2017	2018	2019	2020	Total
Street Reconstruction Fund	800,000	1,000,000	1,800,000	700,000	1,000,000	5,300,000
Total	800,000	1,000,000	1,800,000	700,000	1,000,000	5,300,000

Project # 09-ST-006
Project Name Replace Retaining Walls

Department Streets
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

These projects would replace existing retaining walls that are deteriorating with a block wall. The location of the remaining replacements will be determined at a later date.
 2016 - Rockford Road between Harbor Lane and Berkshire Lane
 2017 - Bass Lake Road at Jonquil Lane

Justification

The existing walls are deteriorating and near the end of their useful life. The replacement of retaining walls would address safety concerns. Park Maintenance will fund those portions of the wall that retain for trails.

Expenditures	2016	2017	2018	2019	2020	Total
Planning/Design	10,000	10,000	10,000	10,000	10,000	50,000
Construction/Maintenance	110,000	80,000	80,000	80,000	80,000	430,000
Total	120,000	90,000	90,000	90,000	90,000	480,000

Funding Sources	2016	2017	2018	2019	2020	Total
Park Replacement Fund	60,000					60,000
Street Reconstruction Fund	60,000	90,000	90,000	90,000	90,000	420,000
Total	120,000	90,000	90,000	90,000	90,000	480,000

Project # 09-ST-007
Project Name Edge Mill and Overlay Projects

Department Streets
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

This project involves edge milling and repaving 1.5" of bituminous on various streets. The streets to be overlaid will be determined in the program year based on a condition assessment.

2016 - Fox Run, Steeplechase, Maple Creek, Shiloh, Holly Creek, Rockford Glen, Cavanaugh, Sugar Hills
 2017 - MIP, Autumn Hills, Glen Echo, Fernbrook Woods
 2018 - Westbranch, Savannah, Plymouth Oaks, Plum Tree, Sunrise Acres
 2019 - Ridgecrest, Westminster
 2020 - Deerwood Estates, Bass Lake Plaza, Kingswood Farms

Justification

This was first done in 2005 and was proven to be a successful and cost effective tool in the Pavement Management Program. The funding includes funding for curb and catch basin replacement or repairs will be funded from the Street Replacement Fund.

Expenditures	2016	2017	2018	2019	2020	Total
Planning/Design	20,000	20,000	20,000	20,000	20,000	100,000
Construction/Maintenance	2,700,000	2,700,000	2,700,000	2,700,000	2,700,000	13,500,000
Total	2,720,000	2,720,000	2,720,000	2,720,000	2,720,000	13,600,000

Funding Sources	2016	2017	2018	2019	2020	Total
Special Assessments - Streets	800,000	800,000	800,000	800,000	800,000	4,000,000
Street Reconstruction Fund	1,920,000	1,920,000	1,920,000	1,920,000	1,920,000	9,600,000
Total	2,720,000	2,720,000	2,720,000	2,720,000	2,720,000	13,600,000

Project # 11-ST-005
Project Name Vicksburg Lane - Schmidt Lake Rd to Maple Grove

Department Streets
Contact
Type Improvement/Acquisition
Useful Life
Category Public Works
Priority

Description

Reconstructing, widening and constructing a bridge over the CP Rail line between Schmidt Lake Road and Maple Grove.

Justification

The widening of Vicksburg Lane from Schmidt Lake Road to Maple Grove is consistent with the transportation section of the Comprehensive Plan.

Expenditures	2016	2017	2018	2019	2020	Total
Planning/Design	500,000					500,000
Land Acquisition	800,000					800,000
Construction/Maintenance	12,000,000	1,000,000				13,000,000
Total	13,300,000	1,000,000				14,300,000

Funding Sources	2016	2017	2018	2019	2020	Total
Other	8,600,000	1,000,000				9,600,000
State Highway Bonds	4,700,000					4,700,000
Total	13,300,000	1,000,000				14,300,000

Project # 11-ST-010
Project Name Concrete Sidewalk Replacement

Department Streets
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

This project would replace concrete sidewalk that has deteriorated, is cracked and heaved or is a tripping hazard.

Justification

This project would provide a proactive approach to hazard elimination.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance	100,000	50,000	50,000	50,000	50,000	300,000
Total	100,000	50,000	50,000	50,000	50,000	300,000

Funding Sources	2016	2017	2018	2019	2020	Total
Street Reconstruction Fund	100,000	50,000	50,000	50,000	50,000	300,000
Total	100,000	50,000	50,000	50,000	50,000	300,000

Project # 12-ST-002
Project Name Nathan Lane & CR 10 Intersection

Department Streets
Contact
Type Improvement/Acquisition
Useful Life
Category Public Works
Priority

Description

This project reconstructs and reconfigures the intersection of Nathan Lane & County Road 10 to improve the operation and safety of the intersection. This project is dependent upon the development of vacant land south of County Road 10.

Justification

The Nathan Lane/County Road 10 intersection needs to be reconfigured to effectively serve the Nathan Lane traffic. Development of the large area south of County Road 10 would exacerbate the problems.

Expenditures	2016	2017	2018	2019	2020	Total
Planning/Design	100,000					100,000
Construction/Maintenance		500,000				500,000
Total	100,000	500,000				600,000

Funding Sources	2016	2017	2018	2019	2020	Total
Municipal State Aid Fund	100,000	500,000				600,000
Total	100,000	500,000				600,000

Project # 14-ST-002
Project Name TH 55 Frontage Road Reconstruction

Department Streets
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

This project reconstructs the TH 55 frontage road east of West Medicine Lake Drive and includes the relocation and reconstruction of the intersection north of TH 55. To improve water quality in this area, raingardens are planned. The number of raingardens corresponds directly with the miles of streets being reconstructed. The project also includes the installation of Inflow/Infiltration barriers in sanitary sewer manholes.

Purchase of right-of-way is likely and is included in the cost estimate.

Justification

This project reconstructs a street as recommended by the Pavement Management Program. A primary City Council goal is to enhance the street reconstruction program to stem the decline in overall street condition. The project would result in improved surface water quality as outlined in the Water Resources Management Plan. The sanitary sewer manhole lining reduces inflow/infiltration.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance	750,000					750,000
Total	750,000					750,000

Funding Sources	2016	2017	2018	2019	2020	Total
Municipal State Aid Fund	370,000					370,000
Sewer Fund	50,000					50,000
Special Assessments - Streets	90,000					90,000
Street Reconstruction Fund	100,000					100,000
Water Fund	110,000					110,000
Water Resources Fund	30,000					30,000
Total	750,000					750,000

Project # 15-ST-004
Project Name Flashing Yellow Arrow Signal Conversions

Department Streets
Contact
Type Improvement/Acquisition
Useful Life
Category Public Works
Priority

Description

This project would convert existing protected/permissive left turn signals to the flashing yellow arrows, upgrade the signal indications to LED, and ADA modifications and paint signals where needed.

Justification

The City Council approved funding for this project from the 2013 General Fund surplus.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance	500,000	500,000				1,000,000
Total	500,000	500,000				1,000,000

Funding Sources	2016	2017	2018	2019	2020	Total
Construction Improvement Fund (CON 413)	500,000	500,000				1,000,000
Total	500,000	500,000				1,000,000

Project # 15-ST-005
Project Name Upgrade Crosswalk Signage

Department Streets
Contact
Type Improvement/Acquisition
Useful Life
Category Public Works
Priority

Description

This project would upgrade the warning signage for crosswalks where needed.

Justification

The City Council approved funding for this project from the 2013 General Fund surplus.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance	50,000					50,000
Total	50,000					50,000

Funding Sources	2016	2017	2018	2019	2020	Total
Street Reconstruction Fund	50,000					50,000
Total	50,000					50,000

Project # 16-ST-001
Project Name 2016 Street Reconstruction

Department Streets
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

This project reconstructs streets in the Ponderosa Ponds neighborhood (Garland and Fountain Lanes north of 25th Avenue). There have been a number of watermain breaks in this area and the watermain should be replaced. To improve water quality in this area, raingardens are planned. The number of raingardens corresponds directly with the miles of streets being reconstructed. The project also includes the installation of Inflow/Infiltration barriers in sanitary sewer manholes.

Justification

This project reconstructs streets in existing neighborhoods. A primary City Council goal is to enhance the street reconstruction program to stem the decline in overall street condition. The project would result in improved surface water quality as outlined in the Water Resources Management Plan. The sanitary sewer manhole lining reduces inflow/infiltration.

The City's water infrastructure is aging and must be replaced when cost-effective. The most cost-effective time is when streets are being reconstructed. Staff reviews each reconstruction area to determine the condition of the underlying water main. If the main is in poor condition and cannot be reasonably expected to last for the life of the new street surface it should be replaced.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance	1,170,000					1,170,000
Total	1,170,000					1,170,000

Funding Sources	2016	2017	2018	2019	2020	Total
Sewer Fund	20,000					20,000
Special Assessments - Streets	330,000					330,000
Street Reconstruction Fund	450,000					450,000
Water Fund	350,000					350,000
Water Resources Fund	20,000					20,000
Total	1,170,000					1,170,000

Project # 17-ST-001
Project Name 2017 Street Reconstruction

Department Streets
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

This project reconstructs streets in the Beacon Heights neighborhood. Watermain will be evaluated and replaced if necessary. At a minimum, bolts connecting water valves and hydrants will be replaced. To improve water quality in this area, raingardens are planned. The number of raingardens corresponds directly with the miles of streets being reconstructed. The project also includes the installation of Inflow/Infiltration barriers in sanitary sewer manholes.

Justification

This project reconstructs streets in existing neighborhoods. A primary City Council goal is to enhance the street reconstruction program to stem the decline in overall street condition. The project would result in improved surface water quality as outlined in the Water Resources Management Plan. The sanitary sewer manhole lining reduces inflow/infiltration.

The City's water infrastructure is aging and must be replaced when cost-effective. The most cost-effective time is when streets are being reconstructed. Staff reviews each reconstruction area to determine the condition of the underlying water main. If the main is in poor condition and cannot be reasonably expected to last for the life of the new street surface it should be replaced.

Expenditures	2016	2017	2018	2019	2020	Total
Planning/Design	80,000					80,000
Construction/Maintenance		2,420,000				2,420,000
Total	80,000	2,420,000				2,500,000

Funding Sources	2016	2017	2018	2019	2020	Total
Sewer Fund		30,000				30,000
Special Assessments - Streets		820,000				820,000
Street Reconstruction Fund	80,000	1,150,000				1,230,000
Water Fund		400,000				400,000
Water Resources Fund		20,000				20,000
Total	80,000	2,420,000				2,500,000

Project # 17-ST-002
Project Name Frontage Road Southwest Corner CSAH 101 and TH55

Department Streets
Contact
Type Improvement/Acquisition
Useful Life
Category Public Works
Priority

Description

This project would complete the frontage road from Park Nicollet west to Hamel Road.

Justification

Completion of the frontage road would allow for closure of at least one direct access on TH55 and provide area residents with an alternative route to and from their neighborhoods.

Expenditures	2016	2017	2018	2019	2020	Total
Land Acquisition		100,000				100,000
Construction/Maintenance		700,000				700,000
Total		800,000				800,000

Funding Sources	2016	2017	2018	2019	2020	Total
Special Assessments - Streets		500,000				500,000
State/County/Federal		300,000				300,000
Total		800,000				800,000

Project # 17-ST-003
Project Name 54th Avenue from Peony Lane to CSAH 101

Department Streets
Contact
Type Improvement/Acquisition
Useful Life
Category Public Works
Priority

Description

This project would complete 54th Avenue as a collector street from Peony Lane west to CSAH 101. Right of way acquisition is likely to be needed and is included in the estimate.

Justification

Completion of 54th Avenue would provide area residents with an alternative route to and from their neighborhoods.

Expenditures	2016	2017	2018	2019	2020	Total
Land Acquisition		800,000				800,000
Construction/Maintenance		3,100,000				3,100,000
Total		3,900,000				3,900,000

Funding Sources	2016	2017	2018	2019	2020	Total
Municipal State Aid Fund		2,800,000				2,800,000
Special Assessments - Streets		1,100,000				1,100,000
Total		3,900,000				3,900,000

Project # 18-ST-001
Project Name 2018 Street Reconstruction

Department Streets
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

This project reconstructs streets that have deteriorated to the point where routine maintenance has become too costly and the streets life is nearing the end. Watermain will be evaluated and replaced if necessary. At a minimum, bolts connecting water valves and hydrants will be replaced. To improve water quality in this area, raingardens are planned. The number of raingardens corresponds directly with the miles of streets being reconstructed. The project also includes the installation of Inflow/Infiltration barriers in sanitary sewer manholes.

Justification

This project reconstructs streets in existing neighborhoods. A primary City Council goal is to enhance the street reconstruction program to stem the decline in overall street condition. The project would result in improved surface water quality as outlined in the Water Resources Management Plan. The sanitary sewer manhole lining reduces inflow/infiltration.

The City's water infrastructure is aging and must be replaced when cost-effective. The most cost-effective time is when streets are being reconstructed. Staff reviews each reconstruction area to determine the condition of the underlying water main. If the main is in poor condition and cannot be reasonably expected to last for the life of the new street surface it should be replaced.

Expenditures	2016	2017	2018	2019	2020	Total
Planning/Design		80,000				80,000
Construction/Maintenance			2,000,000			2,000,000
Total		80,000	2,000,000			2,080,000

Funding Sources	2016	2017	2018	2019	2020	Total
Sewer Fund			10,000			10,000
Special Assessments - Streets			800,000			800,000
Street Reconstruction Fund		80,000	1,160,000			1,240,000
Water Fund			20,000			20,000
Water Resources Fund			10,000			10,000
Total		80,000	2,000,000			2,080,000

Project # 18-ST-002
Project Name Troy Lane from 54th Avenue to CR 47

Department Streets
Contact
Type Improvement/Acquisition
Useful Life
Category Public Works
Priority

Description

This project would reconstruct and realign Troy Lane from 54th Avenue to CR 47. Right of way acquisition is likely and is included in the cost estimate.

Justification

Completion of Troy Lane would provide area residents with an alternative route to and from their neighborhoods.

Expenditures	2016	2017	2018	2019	2020	Total
Land Acquisition			800,000			800,000
Construction/Maintenance			2,700,000			2,700,000
Total			3,500,000			3,500,000

Funding Sources	2016	2017	2018	2019	2020	Total
Street Reconstruction Fund			3,500,000			3,500,000
Total			3,500,000			3,500,000

Project # 19-ST-001
Project Name 2019 Street Reconstruction

Department Streets
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

This project reconstructs streets that have deteriorated to the point where routine maintenance has become too costly and the streets life is nearing the end. Watermain will be evaluated and replaced if necessary. At a minimum, bolts connecting water valves and hydrants will be replaced. To improve water quality in this area, raingardens are planned. The number of raingardens corresponds directly with the miles of streets being reconstructed. The project also includes the installation of Inflow/Infiltration barriers in sanitary sewer manholes.

Justification

This project reconstructs streets in existing neighborhoods. A primary City Council goal is to enhance the street reconstruction program to stem the decline in overall street condition. The project would result in improved surface water quality as outlined in the Water Resources Management Plan. The sanitary sewer manhole lining reduces inflow/infiltration.

The City's water infrastructure is aging and must be replaced when cost-effective. The most cost-effective time is when streets are being reconstructed. Staff reviews each reconstruction area to determine the condition of the underlying water main. If the main is in poor condition and cannot be reasonably expected to last for the life of the new street surface it should be replaced.

Expenditures	2016	2017	2018	2019	2020	Total
Planning/Design			80,000			80,000
Construction/Maintenance				2,000,000		2,000,000
Total			80,000	2,000,000		2,080,000

Funding Sources	2016	2017	2018	2019	2020	Total
Sewer Fund				10,000		10,000
Special Assessments - Streets				800,000		800,000
Street Reconstruction Fund			80,000	1,160,000		1,240,000
Water Fund				20,000		20,000
Water Resources Fund				10,000		10,000
Total			80,000	2,000,000		2,080,000

Project # 19-ST-002
Project Name 57th Avenue from Woodcrest to Juneau Lane

Department Streets
Contact
Type Improvement/Acquisition
Useful Life
Category Public Works
Priority

Description

This project would complete 57th Avenue as a collector street from the Woodcrest development east to Juneau. Right of way acquisition is likely and is included in the cost estimate.

Justification

Completion of 57th Avenue would provide area residents with an alternative route to and from their neighborhoods.

Expenditures	2016	2017	2018	2019	2020	Total
Land Acquisition				1,000,000		1,000,000
Construction/Maintenance				2,300,000		2,300,000
Total				3,300,000		3,300,000

Funding Sources	2016	2017	2018	2019	2020	Total
Municipal State Aid Fund				3,300,000		3,300,000
Total				3,300,000		3,300,000

Project # 20-ST-001
Project Name Juneau Lane from Hampton Hills to 59th Avenue

Department Streets
Contact
Type Improvement/Acquisition
Useful Life
Category Public Works
Priority

Description

This project would reconstruct Juneau Lane from the Hampton Hills development to 59th Avenue

Justification

Completion of Juneau Lane would provide area residents with an alternative route to and from their neighborhoods.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance					2,500,000	2,500,000
Total					2,500,000	2,500,000

Funding Sources	2016	2017	2018	2019	2020	Total
Street Reconstruction Fund					2,500,000	2,500,000
Total					2,500,000	2,500,000

Project # 20-ST-002
Project Name 2020 Street Reconstruction

Department Streets
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

This project reconstructs streets that have deteriorated to the point where routine maintenance has become too costly and the streets life is nearing the end. Watermain will be evaluated and replaced if necessary. At a minimum, bolts connecting water valves and hydrants will be replaced. To improve water quality in this area, raingardens are planned. The number of raingardens corresponds directly with the miles of streets being reconstructed. The project also includes the installation of Inflow/Infiltration barriers in sanitary sewer manholes.

Justification

This project reconstructs streets in existing neighborhoods. A primary City Council goal is to enhance the street reconstruction program to stem the decline in overall street condition. The project would result in improved surface water quality as outlined in the Water Resources Management Plan. The sanitary sewer manhole lining reduces inflow/infiltration.

The City's water infrastructure is aging and must be replaced when cost-effective. The most cost-effective time is when streets are being reconstructed. Staff reviews each reconstruction area to determine the condition of the underlying water main. If the main is in poor condition and cannot be reasonably expected to last for the life of the new street surface it should be replaced.

Expenditures	2016	2017	2018	2019	2020	Total
Planning/Design				80,000		80,000
Construction/Maintenance					2,000,000	2,000,000
Total				80,000	2,000,000	2,080,000

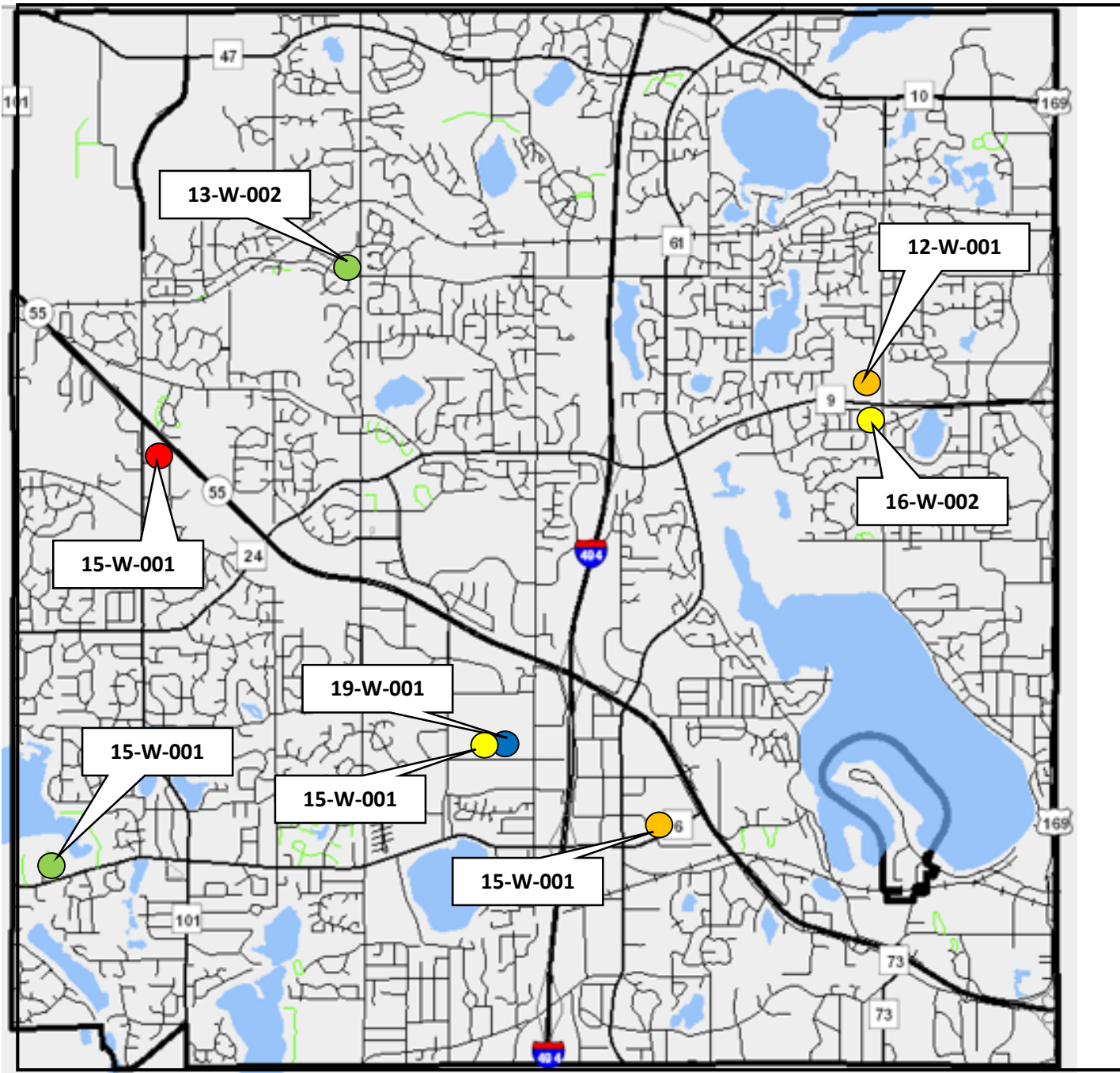
Funding Sources	2016	2017	2018	2019	2020	Total
Sewer Fund					10,000	10,000
Special Assessments - Streets					800,000	800,000
Street Reconstruction Fund				80,000	1,160,000	1,240,000
Water Fund					20,000	20,000
Water Resources Fund					10,000	10,000
Total				80,000	2,000,000	2,080,000

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City of Plymouth, Minnesota
Capital Improvement Program
2016 thru 2020

PROJECTS & FUNDING SOURCES BY DEPARTMENT

Department	Project#	Priority	2016	2017	2018	2019	2020	Total
Water								
Well Refurbishing	07-W-002	n/a	255,000	265,000	270,000	280,000	280,000	1,350,000
Trunk Watermain Oversizing	08-W-003	n/a	220,000	220,000	220,000	220,000	220,000	1,100,000
Refurbish Zachary Water Tower	12-W-001	n/a	70,000	1,000,000				1,070,000
Wells 18 and 19 and New Water Treatment Plant	13-W-002	n/a					7,600,000	7,600,000
Powerwash Elevated Storage Facilities	15-W-001	n/a	25,000	25,000	50,000	25,000	25,000	150,000
Water Meter Replacement	15-W-003	n/a	5,000,000					5,000,000
Replace Boilers and Heat Heat Pump - Zachary WTP	16-W-002	n/a	143,000	40,000				183,000
Refurbish Central Water Tower	19-W-001	n/a			130,000	1,500,000		1,630,000
Water Total			5,713,000	1,550,000	670,000	2,025,000	8,125,000	18,083,000
<i>Utility Trunk Fund</i>			220,000	220,000	220,000	220,000	7,820,000	8,700,000
<i>Water and Sewer Replacement Fund (412)</i>			5,000,000					5,000,000
<i>Water Fund</i>			493,000	1,330,000	450,000	1,805,000	305,000	4,383,000
Water Total			5,713,000	1,550,000	670,000	2,025,000	8,125,000	18,083,000
Grand Total			5,713,000	1,550,000	670,000	2,025,000	8,125,000	18,083,000

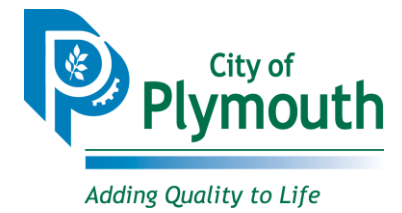


2016-2020 Capital Improvement Program

Water Projects

- 2016
- 2017
- 2018
- 2019
- 2020

Note: Not all CIP projects shown on map.



Project # 07-W-002
Project Name Well Refurbishing

Department Water
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

This program would repair/upgrade 2 well motors and pumps on City wells per year.

Justification

This project keeps infrastructure items operating and upgraded. These projects were previously programmed in the operating budget.

Expenditures	2016	2017	2018	2019	2020	Total
Planning/Design	20,000	20,000	20,000	20,000	20,000	100,000
Construction/Maintenance	235,000	245,000	250,000	260,000	260,000	1,250,000
Total	255,000	265,000	270,000	280,000	280,000	1,350,000

Funding Sources	2016	2017	2018	2019	2020	Total
Water Fund	255,000	265,000	270,000	280,000	280,000	1,350,000
Total	255,000	265,000	270,000	280,000	280,000	1,350,000

Project # 08-W-003
Project Name Trunk Watermain Oversizing

Department Water
Contact
Type Improvement/Acquisition
Useful Life
Category Public Works
Priority

Description

This project would reimburse developer(s) for the oversize installation of trunk watermain as identified in the Comprehensive Plan Development Staging Plan. The actual timing of the improvement will depend on development activity.

Justification

The City's Comprehensive Plan contemplates the extension of trunk watermain in accordance with the Development Staging Plan. The looping of trunk water main would serve new development and improve the flow of water in the area.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance	220,000	220,000	220,000	220,000	220,000	1,100,000
Total	220,000	220,000	220,000	220,000	220,000	1,100,000

Funding Sources	2016	2017	2018	2019	2020	Total
Utility Trunk Fund	220,000	220,000	220,000	220,000	220,000	1,100,000
Total	220,000	220,000	220,000	220,000	220,000	1,100,000

Project # 12-W-001
Project Name Refurbish Zachary Water Tower

Department Water
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

This project would repaint the Zachary water tower located on the west side of Zachary Lane north of Rockford Road. The Zachary water tower provides 2,000,000 gallons of elevated storage for the City's water system. Pressure washing the interior and exterior of the tower in 2011 will be needed prior to repainting.

Justification

Water towers typically have to be repainted every 15 to 20 years. The Zachary tower was last painted in 1991. If a tower is not repainted on a periodic basis, it will rust which can lead to structural problems. Painting would include repair of any structural deficiencies identified in the Tank Evaluation Report. The tower will be re-evaluated prior to the scheduled repainting.

Expenditures	2016	2017	2018	2019	2020	Total
Planning/Design	70,000					70,000
Construction/Maintenance		1,000,000				1,000,000
Total	70,000	1,000,000				1,070,000

Funding Sources	2016	2017	2018	2019	2020	Total
Water Fund	70,000	1,000,000				1,070,000
Total	70,000	1,000,000				1,070,000

Project # 13-W-002
Project Name Wells 18 and 19 and New Water Treatment Plant

Department Water
Contact
Type Improvement/Acquisition
Useful Life
Category Public Works
Priority

Description

Wells 18 and 19 could be considered in a new well field on the site of the Vicksburg Reservoir. An additional supply source near the Vicksburg Reservoir would also help to alleviate some of the pressure problems experienced in the area while the reservoir is filling. The water treatment plant capacity needs to be increased to provide a safe water supply in the future. The maximum day demand is projected to surpass 30 MGD in 2012 and reach 32.1 MGD by 2030. Constructing Wells 18 and 19 near the Vicksburg Reservoir would likely require a third, smaller water treatment plant to treat those wells. The minimum treatment capacity would be 2.9 MGD to treat two 1,000 GPM wells constructed on opposite sides of the Vicksburg Reservoir site. This improvement would increase the City's total treatment capacity to roughly 32.9 MGD, which is greater than the projected maximum day demand in 2030.

Justification

With the construction of Wells 18 and 19, the City should have sufficient supply capacity until 2018. The combined rated capacity of the Central and Zachary Water Treatment Plants is 28 MGD. The Zachary Water Treatment Plant may be capable of treating an additional 2 MGD when future wells are added to the Zachary well field. If constructed, a third treatment plant should be designed for expansion to roughly 6 MGD in the future. This would allow future Well 20 to be treated at this plant if a feasible well site is located nearby.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance					7,600,000	7,600,000
Total					7,600,000	7,600,000

Funding Sources	2016	2017	2018	2019	2020	Total
Utility Trunk Fund					7,600,000	7,600,000
Total					7,600,000	7,600,000

Project # 15-W-001
Project Name Powerwash Elevated Storage Facilities

Department Water
Contact
Type Improvement/Acquisition
Useful Life
Category Public Works
Priority

Description

This project would powerwash all elevated structures on a 5 year roatation.
 2016 - Central Water Tower (painted in 2002)
 2017 - MIP Water Tower (painted in 2012)
 2018 - CR 101 Water Tower (painted in 2013)
 2019 - Zachary Water Tower (painted in 2015)
 2020 - County Road 6 Standpipe (painted in 2006)

Justification

Powerwashing has shown to be effective in prolonging paint life and improves aesthetics. The need to powerwash will be evaluated annually.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance	25,000	25,000	50,000	25,000	25,000	150,000
Total	25,000	25,000	50,000	25,000	25,000	150,000

Funding Sources	2016	2017	2018	2019	2020	Total
Water Fund	25,000	25,000	50,000	25,000	25,000	150,000
Total	25,000	25,000	50,000	25,000	25,000	150,000

Project # 15-W-003
Project Name Water Meter Replacement

Department Water
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

This project will replace approximately 75% of the city's water meters with automatically read meters.

Justification

More accurate billing and reduced meter reading costs should result from the replacement of all aged meters.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings	5,000,000					5,000,000
Total	5,000,000					5,000,000

Funding Sources	2016	2017	2018	2019	2020	Total
Water and Sewer Replacement Fund (412)	5,000,000					5,000,000
Total	5,000,000					5,000,000

Project # 16-W-002
Project Name Replace Boilers and Heat Heat Pump - Zachary WTP

Department Water
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

This project will replace failing boilers and heat pump system at Zachary Water Treatment Plants.

Justification

The existing boilers and heat pump system have had operational problems since installation and have required extensive repairs and ongoing maintenance. They would be replaced with a less complex system that requires less maintenance. The project would qualify for a \$10,000 Centerpoint Energy Rebat.

Expenditures	2016	2017	2018	2019	2020	Total
Equip/Vehicles/Furnishings	143,000	40,000				183,000
Total	143,000	40,000				183,000

Funding Sources	2016	2017	2018	2019	2020	Total
Water Fund	143,000	40,000				183,000
Total	143,000	40,000				183,000

Project # 19-W-001
Project Name Refurbish Central Water Tower

Department Water
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

This project would repaint the Central water tower located at the Public Works Maintenance Facility. The Central water tower provides 1,500,000 gallons of elevated storage for the City's water system. Pressure washing the interior and exterior of the tower in 2016 will be needed prior to repainting.

Justification

Water towers typically have to be repainted every 15 to 20 years. The Central tower was last painted in 2001. If a tower is not repainted on a periodic basis, it will rust which can lead to structural problems. The tower will be re-evaluated prior to the scheduled repainting.

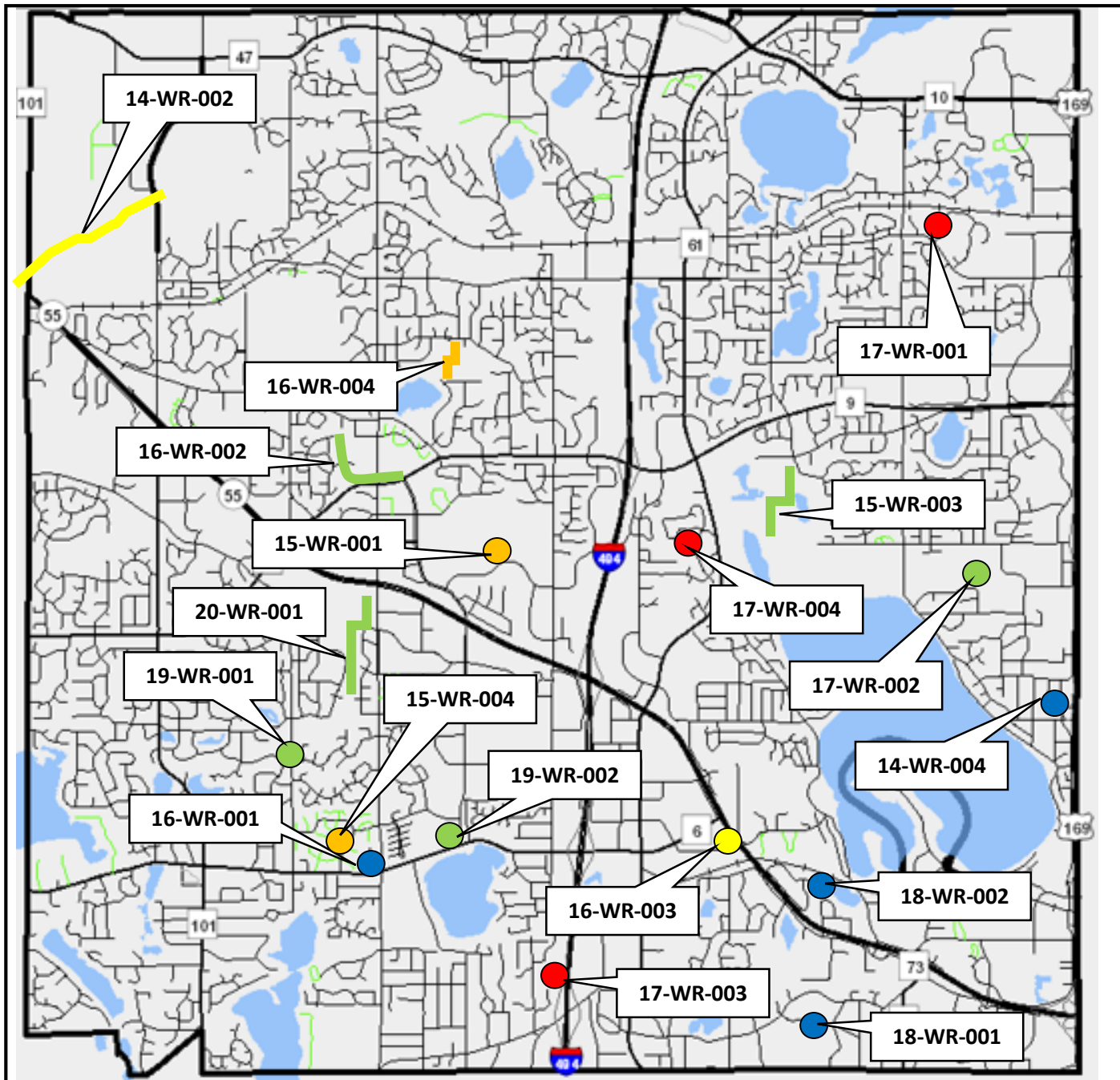
Expenditures	2016	2017	2018	2019	2020	Total
Planning/Design			70,000			70,000
Construction/Maintenance			60,000	1,500,000		1,560,000
Total			130,000	1,500,000		1,630,000

Funding Sources	2016	2017	2018	2019	2020	Total
Water Fund			130,000	1,500,000		1,630,000
Total			130,000	1,500,000		1,630,000

City of Plymouth, Minnesota
Capital Improvement Program
2016 thru 2020

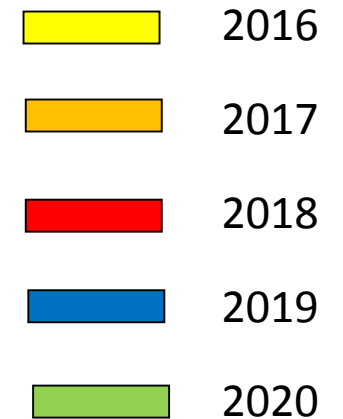
PROJECTS & FUNDING SOURCES BY DEPARTMENT

Department	Project#	Priority	2016	2017	2018	2019	2020	Total
Water Resources								
Maintain Water Quality Ponds	06-WR-002	n/a	125,000	125,000	125,000	125,000	125,000	625,000
Unspecified Drainage Improvement	08-WR-003	n/a		175,000			250,000	425,000
Elm Creek Stream Restoration	14-WR-002	n/a	400,000					400,000
Kilmer Park Pond and Stream Restoration	14-WR-004	n/a	45,000			300,000		345,000
Plymouth Creek Park Stream Restoration	15-WR-001	n/a	50,000	400,000				450,000
Mount Olivet Stream Restoration	15-WR-003	n/a				50,000	250,000	300,000
Chelsea Woods Drainage - Weston Ln. to CR 6	15-WR-004	n/a	50,000	300,000	300,000			650,000
Weston Lane Storm Sewer Lift Station Rehab.	16-WR-001	n/a			50,000	500,000		550,000
Plymouth Creek Stream Restoration	16-WR-002	n/a				50,000	250,000	300,000
15th Ave./ Pineview Lane Storm Sewer Replacement	16-WR-003	n/a	770,000	750,000				1,520,000
Quail Ridge 3rd Addition	16-WR-004	n/a	50,000	350,000				400,000
Wild Wings Western Wetland Improvements	17-WR-001	n/a		25,000	100,000	100,000		225,000
Wood Creek Tributary - Armstrong H.S. to 34th Ave.	17-WR-002	n/a				50,000	300,000	350,000
Harbor Place Erosion Repair	17-WR-003	n/a		50,000	200,000			250,000
French Ridge Park Drainage Improvement	17-WR-004	n/a		25,000	100,000			125,000
St. Marys Addition Drainage Improvement	18-WR-001	n/a			25,000	125,000		150,000
Mengelkochs First Addition Drainage Improvement	18-WR-002	n/a			50,000	125,000		175,000
19th Avenue/Dunkirk Lane Pond Improvement	19-WR-001	n/a				50,000	500,000	550,000
Parkers Lake Park Drainage Improvement	19-WR-002	n/a				75,000	300,000	375,000
Maple Creek Stream Restoration	20-WR-001	n/a					100,000	100,000
Water Resources Total			1,490,000	2,200,000	950,000	1,550,000	2,075,000	8,265,000
<i>Bassett Creek Watershed</i>			50,000	400,000				450,000
<i>Elm Creek Watershed</i>			50,000					50,000
<i>Water Resources Fund</i>			1,390,000	1,800,000	950,000	1,550,000	2,075,000	7,765,000
Water Resources Total			1,490,000	2,200,000	950,000	1,550,000	2,075,000	8,265,000
Grand Total			1,490,000	2,200,000	950,000	1,550,000	2,075,000	8,265,000



2016-2020 Capital Improvement Program

Water Resources Projects



Note: Not all CIP projects shown on map.



Project # 06-WR-002
Project Name Maintain Water Quality Ponds

Department Water Resources
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

This project would clean out and maintain three or four of the water quality ponds that were constructed to protect the City's natural resources from degradation.

Justification

The City has over 325 water quality ponds that had been covered under pond maintenance agreements and ponds dedicated with development. These ponds need to be cleaned and/or maintained periodically to function properly. The maintenance program for these ponds will be phased in beginning with those ponds in the worst condition.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance	125,000	125,000	125,000	125,000	125,000	625,000
Total	125,000	125,000	125,000	125,000	125,000	625,000

Funding Sources	2016	2017	2018	2019	2020	Total
Water Resources Fund	125,000	125,000	125,000	125,000	125,000	625,000
Total	125,000	125,000	125,000	125,000	125,000	625,000

Project # 08-WR-003
Project Name Unspecified Drainage Improvement

Department Water Resources
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

This project would periodically maintain and clean water features not otherwise classified as water quality ponds. Drainage improvement are specified in the current program year.

Justification

Improving the drainage would reduce flooding potential, maintenance costs and could improve water quality. Maintenance and cleaning of these water features was recommended by the Surface Water Task Force and are consistent with the Surface Water Management Plan.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance		175,000			250,000	425,000
Total		175,000			250,000	425,000

Funding Sources	2016	2017	2018	2019	2020	Total
Water Resources Fund		175,000			250,000	425,000
Total		175,000			250,000	425,000

Project # 14-WR-002
Project Name Elm Creek Stream Restoration

Department Water Resources
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

The Elm Creek Watershed District has identified significant improvements to be made to Elm Creek to restore the stream to it's original shape and location.

Justification

The stream has significant erosion. Elm Creek is a state-listed impaired water.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance	400,000					400,000
Total	400,000					400,000

Funding Sources	2016	2017	2018	2019	2020	Total
Elm Creek Watershed	50,000					50,000
Water Resources Fund	350,000					350,000
Total	400,000					400,000

Project # 14-WR-004
Project Name Kilmer Park Pond and Stream Restoration

Department Water Resources
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

This project would repair erosion that is occurring in an existing drainageway in Kilmer Park. Various methods of repairing erosion will be investigated including installation of storm sewer pipe, bioengineering techniques and rip rap and gabion installation. Project will be coordinated with planned street improvements in the area.

Justification

The erosion that is occurring is threatening the stability of a structure. The debris that erodes compromises the capacity of the downstream storm sewer causing the potential for flooding. BCWMC participation in this project will be solicited.

Expenditures	2016	2017	2018	2019	2020	Total
Planning/Design	45,000					45,000
Construction/Maintenance				300,000		300,000
Total	45,000			300,000		345,000

Funding Sources	2016	2017	2018	2019	2020	Total
Water Resources Fund	45,000			300,000		345,000
Total	45,000			300,000		345,000

Project # 15-WR-001
Project Name Plymouth Creek Park Stream Restoration

Department Water Resources
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

This project would repair erosion that is occurring in Plymouth Creek in Plymouth Creek Park. Various methods of repairing erosion will be investigated including installation of storm sewer pipe, bioengineering techniques and rip rap and gabion installation.

Justification

The erosion that is occurring is threatening the stability of a structure. The debris that erodes compromises the capacity of the downstream storm sewer causing the potential for flooding. BCWMC participation in this project will be solicited.

Expenditures	2016	2017	2018	2019	2020	Total
Planning/Design	50,000					50,000
Construction/Maintenance		400,000				400,000
Total	50,000	400,000				450,000

Funding Sources	2016	2017	2018	2019	2020	Total
Bassett Creek Watershed	50,000	400,000				450,000
Total	50,000	400,000				450,000

Project # 15-WR-003
Project Name Mount Olivet Stream Restoration

Department Water Resources
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

1,000 feet of stream restoration to repair erosion and reduce total suspended solids (tss) and phosphorous loading to Medicine Lake. Project will be deferred until included in the BCWMC CIP.

Justification

This project would assist the City in meeting the goals of the Medicine Lake TMDL plan.

Expenditures	2016	2017	2018	2019	2020	Total
Planning/Design				50,000		50,000
Construction/Maintenance					250,000	250,000
Total				50,000	250,000	300,000

Funding Sources	2016	2017	2018	2019	2020	Total
Water Resources Fund				50,000	250,000	300,000
Total				50,000	250,000	300,000

Project # 15-WR-004
Project Name Chelsea Woods Drainage - Weston Ln. to CR 6

Department Water Resources
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

Poor drainage throughout the Chelsea Woods neighborhood has led to street and property flooding in several areas. This project would inspect/repair/replace storm sewer and improve drainage.

Justification

Improving the drainage would reduce flooding potential, maintenance costs and could improve water quality.

Expenditures	2016	2017	2018	2019	2020	Total
Planning/Design	50,000					50,000
Construction/Maintenance		300,000	300,000			600,000
Total	50,000	300,000	300,000			650,000

Funding Sources	2016	2017	2018	2019	2020	Total
Water Resources Fund	50,000	300,000	300,000			650,000
Total	50,000	300,000	300,000			650,000

Project # 16-WR-001
Project Name Weston Lane Storm Sewer Lift Station Rehab.

Department Water Resources
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

The project would upgrade the Weston Lane storm sewer lift station which is located on Weston Lane north of County Road 6. Project will be deferred until 15-WR-004 is completed.

Justification

The Weston Lane lift station was constructed in 2005 to address flooding concerns. The lift station currently runs nearly continuously because storm water cycles through the system.

Expenditures	2016	2017	2018	2019	2020	Total
Planning/Design			50,000			50,000
Construction/Maintenance				500,000		500,000
Total			50,000	500,000		550,000

Funding Sources	2016	2017	2018	2019	2020	Total
Water Resources Fund			50,000	500,000		550,000
Total			50,000	500,000		550,000

Project # 16-WR-002
Project Name Plymouth Creek Stream Restoration

Department Water Resources
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

This project would repair erosion that is occurring in Plymouth Creek from Yuma Lane to Vicksburg Lane. Various methods of repairing erosion will be investigated including installation of storm sewer pipe, bioengineering techniques and rip rap and gabion installation. Project will be deferred until included in the BCWMC CIP.

Justification

This project would assist in meeting the Medicine Lake TMDL.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance				50,000	250,000	300,000
Total				50,000	250,000	300,000

Funding Sources	2016	2017	2018	2019	2020	Total
Water Resources Fund				50,000	250,000	300,000
Total				50,000	250,000	300,000

Project # 16-WR-003
Project Name 15th Ave./ Pineview Lane Storm Sewer Replacement

Department Water Resources
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

The project would replace the failing corrugated metal storm sewer under TH 55 near 15th Avenue and Pineview Lane. The existing storm sewer also has a sanitary trunk line inside the pipe that will need to be replaced and relocated. See Project No. 15-SS-002.

Justification

Failure of the existing storm sewer could result in damage to property as well as failure of the sanitary line.

Expenditures	2016	2017	2018	2019	2020	Total
Planning/Design	20,000					20,000
Construction/Maintenance	750,000	750,000				1,500,000
Total	770,000	750,000				1,520,000

Funding Sources	2016	2017	2018	2019	2020	Total
Water Resources Fund	770,000	750,000				1,520,000
Total	770,000	750,000				1,520,000

Project # 16-WR-004
Project Name Quail Ridge 3rd Addition

Department Water Resources
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

The project would excavate accumulated sediment and organic matter from near the northeast corner of Niagara Lane and 43rd Avenue for approximately 1,000 feet.

Justification

Flooding concerns for properties at this location.

Expenditures	2016	2017	2018	2019	2020	Total
Planning/Design	50,000					50,000
Construction/Maintenance		350,000				350,000
Total	50,000	350,000				400,000

Funding Sources	2016	2017	2018	2019	2020	Total
Water Resources Fund	50,000	350,000				400,000
Total	50,000	350,000				400,000

Project # 17-WR-001
Project Name Wild Wings Western Wetland Improvements

Department Water Resources
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

This project would provide improved flow and flood protection near the northeast corner of Zachary Lane and Schmidt Lake Road.

Justification

Routine maintenance is required at the outlets and outfalls of this wetland.

Expenditures	2016	2017	2018	2019	2020	Total
Planning/Design		25,000				25,000
Construction/Maintenance			100,000	100,000		200,000
Total		25,000	100,000	100,000		225,000

Funding Sources	2016	2017	2018	2019	2020	Total
Water Resources Fund		25,000	100,000	100,000		225,000
Total		25,000	100,000	100,000		225,000

Project # 17-WR-002
Project Name Wood Creek Tributary - Armstrong H.S. to 34th Ave.

Department Water Resources
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

This project would repair erosion and reduce debris in a drainageway from Armstrong H.S. and 34th Avenue. Project will be deferred until included in the BCWMC CIP.

Justification

Frequent inspections are currently required to prevent flooding.

Expenditures	2016	2017	2018	2019	2020	Total
Planning/Design				50,000		50,000
Construction/Maintenance					300,000	300,000
Total				50,000	300,000	350,000

Funding Sources	2016	2017	2018	2019	2020	Total
Water Resources Fund				50,000	300,000	350,000
Total				50,000	300,000	350,000

Project # 17-WR-003
Project Name Harbor Place Erosion Repair

Department Water Resources
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

This project would repair storm sewer and erosion and improve drainage behind residential properties on Harbor Lane and Glacier Lane.

Justification

Improving the drainage would reduce flooding potential, maintenance costs and could improve water quality.

Expenditures	2016	2017	2018	2019	2020	Total
Planning/Design		50,000				50,000
Construction/Maintenance			200,000			200,000
Total		50,000	200,000			250,000

Funding Sources	2016	2017	2018	2019	2020	Total
Water Resources Fund		50,000	200,000			250,000
Total		50,000	200,000			250,000

Project # 17-WR-004
Project Name French Ridge Park Drainage Improvement

Department Water Resources
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

This project would replace existing storm sewer with a larger pipe to reduce flooding potential.

Justification

Improving the drainage would reduce flooding potential, maintenance costs and could improve water quality.

Expenditures	2016	2017	2018	2019	2020	Total
Planning/Design		25,000				25,000
Construction/Maintenance			100,000			100,000
Total		25,000	100,000			125,000

Funding Sources	2016	2017	2018	2019	2020	Total
Water Resources Fund		25,000	100,000			125,000
Total		25,000	100,000			125,000

Project # 18-WR-001
Project Name St. Marys Addition Drainage Improvement

Department Water Resources
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

This project would either dredge accumulated sediment or install storm sewer to improve outflow from an existing wetland and reduce flooding potential.

Justification

Improving the drainage would reduce flooding potential, maintenance costs and could improve water quality.

Expenditures	2016	2017	2018	2019	2020	Total
Planning/Design			25,000			25,000
Construction/Maintenance				125,000		125,000
Total			25,000	125,000		150,000

Funding Sources	2016	2017	2018	2019	2020	Total
Water Resources Fund			25,000	125,000		150,000
Total			25,000	125,000		150,000

Project # 18-WR-002
Project Name Mengelkochs First Addition Drainage Improvement

Department Water Resources
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

This project would replace existing storm sewer that is failing and clean out a ditch to reduce flooding potential.

Justification

Improving the drainage would reduce flooding potential, maintenance costs and could improve water quality.

Expenditures	2016	2017	2018	2019	2020	Total
Planning/Design			50,000			50,000
Construction/Maintenance				125,000		125,000
Total			50,000	125,000		175,000

Funding Sources	2016	2017	2018	2019	2020	Total
Water Resources Fund			50,000	125,000		175,000
Total			50,000	125,000		175,000

Project # 19-WR-001
Project Name 19th Avenue/Dunkirk Lane Pond Improvement

Department Water Resources
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

This project would remove accumulated sediment in the pond to increase phosphorous removal and improve water quality for Gleason Lake.

Justification

Gleason Lake is listed as an impaired water by the MPCA and has an approved TMDL.

Expenditures	2016	2017	2018	2019	2020	Total
Planning/Design				50,000		50,000
Construction/Maintenance					500,000	500,000
Total				50,000	500,000	550,000

Funding Sources	2016	2017	2018	2019	2020	Total
Water Resources Fund				50,000	500,000	550,000
Total				50,000	500,000	550,000

Project # 19-WR-002
Project Name Parkers Lake Park Drainage Improvement

Department Water Resources
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

This project would repair storm sewer and erosion and improve drainage between Parkers Lake Playfield and Lakeview Commons.

Justification

Improving the drainage would reduce flooding potential, maintenance costs and could improve water quality.

Expenditures	2016	2017	2018	2019	2020	Total
Planning/Design				75,000		75,000
Construction/Maintenance					300,000	300,000
Total				75,000	300,000	375,000

Funding Sources	2016	2017	2018	2019	2020	Total
Water Resources Fund				75,000	300,000	375,000
Total				75,000	300,000	375,000

Project # 20-WR-001
Project Name Maple Creek Stream Restoration

Department Water Resources
Contact
Type Repair/Replacement
Useful Life
Category Public Works
Priority

Description

This project would review/repair/replace an outlet control structure at the wetland south of Lowes and repair erosion and improve drainage downstream on Maple Creek.

Justification

Improving the drainage would reduce flooding potential, maintenance costs and could improve water quality.

Expenditures	2016	2017	2018	2019	2020	Total
Construction/Maintenance					100,000	100,000
Total					100,000	100,000

Funding Sources	2016	2017	2018	2019	2020	Total
Water Resources Fund					100,000	100,000
Total					100,000	100,000

City of Plymouth, Minnesota
Capital Improvement Program
2016 thru 2020

FUNDING SOURCE SUMMARY

Source	2016	2017	2018	2019	2020	Total
Bassett Creek Watershed	50,000	400,000				450,000
Capital Improvement Fund (FND 409)	3,555,800					3,555,800
Central Equipment Fund	1,610,000	1,537,600	3,735,600	1,309,000	1,538,300	9,730,500
Construction Improvement Fund (CON 413)	500,000	4,500,000				5,000,000
Elm Creek Watershed	50,000					50,000
Facilities Management	430,000	416,000	260,000	255,000	415,000	1,776,000
Federal Funding	260,000					260,000
Field House Fund	150,000	600,000	37,500			787,500
General Fund	476,000	224,000	47,000	170,000	110,000	1,027,000
General Project Fund (Gen. Fund Reserves)	1,000,000					1,000,000
Grants	410,000					410,000
Hennepin County	1,500,000					1,500,000
Ice Center Fund	285,000	75,000	36,000	225,000	145,000	766,000
Information Technology Fund	850,300	357,000	77,000			1,284,300
Municipal State Aid Fund	1,970,000	3,300,000		3,300,000		8,570,000
Other	10,600,000	1,000,000				11,600,000
Park Dedication Fund	4,550,000	3,255,000	3,320,000	700,000	4,970,000	16,795,000
Park Replacement Fund	1,926,000	1,350,000	1,497,500	855,000	2,515,000	8,143,500
Resource Planning	30,000					30,000
Sewer Fund	2,150,000	2,310,000	1,690,000	1,010,000	1,010,000	8,170,000
Special Assessments - Streets	1,220,000	3,220,000	1,600,000	1,600,000	1,600,000	9,240,000
State Highway Bonds	4,700,000					4,700,000
State/County/Federal		300,000				300,000
Street Reconstruction Fund	3,560,000	4,290,000	8,600,000	4,000,000	6,720,000	27,170,000
Transit Fund	205,000					205,000
Utility Trunk Fund	320,000	320,000	320,000	320,000	7,920,000	9,200,000
Water and Sewer Replacement Fund (412)	5,000,000					5,000,000
Water Fund	1,376,000	1,790,000	531,000	1,825,000	325,000	5,847,000
Water Resources Fund	1,465,000	1,880,000	1,021,000	1,560,000	2,085,000	8,011,000
GRAND TOTAL	50,199,100	31,124,600	22,772,600	17,129,000	29,353,300	150,578,600

City of Plymouth, Minnesota
Capital Improvement Program
 2016 thru 2020

PROJECTS BY FUNDING SOURCE

Source	Project#	Priority	2016	2017	2018	2019	2020	Total
Bassett Creek Watershed								
Plymouth Creek Park Stream Restoration	15-WR-001	n/a	50,000	400,000				450,000
Bassett Creek Watershed Total			50,000	400,000				450,000
Capital Improvement Fund (FND 409)								
Ice Center Refrigerant Conversion	15-PIC-001	n/a	1,355,800					1,355,800
Ice Center Olympic Rink Conversion	15-PIC-002	n/a	850,000					850,000
Replace Ice Center Roof	16-PIC-002	n/a	1,350,000					1,350,000
Capital Improvement Fund (FND 409) Total			3,555,800					3,555,800
Central Equipment Fund								
Single Axle Plow with Sander 1998 Sterling-Upgrade	09-CE-273	n/a	220,000					220,000
Single Axle Plow with Sander 1999 Sterling	10-CE-274	n/a		225,000				225,000
One Ton with Plow	10-CE-582	n/a	78,000					78,000
Street Sweeper	11-CE-230	n/a			210,000			210,000
Air Compressor	11-CE-319	n/a			38,000			38,000
One Ton 4X4 with Plow	11-CE-585	n/a		72,000				72,000
Back Hoe	12-CE-237	n/a			150,000			150,000
Hammer for Back Hoe	12-CE-237A	n/a			30,000			30,000
Single Axle Plow with Sander 2000 Sterling	12-CE-275	n/a			230,000			230,000
Floor Sweeper/Scrubber for Public Works	12-CE-745	n/a	60,000					60,000
Truck Mounted Patch Unit 2003 Auger style	13-CE-212	n/a	65,000					65,000
Motorgrader	13-CE-238	n/a			308,000			308,000
One Ton Truck with Plow/ Sander	13-CE-253	n/a	72,000					72,000
Single Axle Plow with Sander	13-CE-283	n/a			200,000			200,000
Engineering All Wheel Drive Van	13-CE-404	n/a			30,000			30,000
Chipper Truck	13-CE-590	n/a			85,000			85,000
One Ton Truck with Plow	13-CE-592	n/a			75,000			75,000
3/4 Ton Pickup With Irrigation Utility Box	13-CE-595	n/a			41,000			41,000
Excavator	14-CE-228	n/a				200,000		200,000
Spray Patcher Roscoe	14-CE-234	n/a			265,000			265,000
Single Axle Plow with Sander	14-CE-279	n/a			230,000			230,000
3/4 Ton Pickup with Plow	14-CE-355	n/a	37,000					37,000
Engineering 1/2 Ton 4X4 Pickup to Park Maintenance	14-CE-402	n/a			30,000			30,000
Self Propelled Sprayer	14-CE-561	n/a	0					0
Park Maintenance SUV	14-CE-591	n/a		30,000				30,000
3/4 Ton Pickup with Plow	14-CE-599	n/a	37,000					37,000
Fire Chief SUV	15-CE-037	n/a	35,000					35,000
Trench Remote Sheepsfoot Compactor	15-CE-205	n/a			42,000			42,000
40' Conveyor	15-CE-224	n/a		41,000				41,000
Mower 6'	15-CE-5000	n/a	62,000					62,000

Source	Project#	Priority	2016	2017	2018	2019	2020	Total
Building Inspections Pickup	16-CE-1700	n/a			28,000			28,000
Police CSO 1/2 Ton Pickup	16-CE-1705	n/a					30,000	30,000
Tandem Axle Plow with Sander	16-CE-280	n/a		250,000				250,000
Tandem Axle Plow with Sander	16-CE-281	n/a	250,000					250,000
Hydo-Seeder Finn T-60	16-CE-303	n/a			35,000			35,000
Jet/Vactor Truck and Attachments	16-CE-354	n/a	367,000					367,000
Meter Repair Truck with Utility Box	16-CE-366	n/a		32,000				32,000
Building Inspections Pickup 4X4.	16-CE-411	n/a	27,000					27,000
Water Truck	16-CE-576	n/a		185,000				185,000
Police Squad Cars (3)	16-CE-SQUADS	n/a	120,000					120,000
Police Investigations Pickup	17-CE-1703	n/a			28,000			28,000
Police CSH 1/2 Ton Pickup	17-CE-1717	n/a		30,000				30,000
Excavator CX75	17-CE-225	n/a			150,000			150,000
Back Hoe	17-CE-333	n/a			181,200			181,200
3/4 Ton Pickup 4X2	17-CE-361	n/a		35,000				35,000
3/4 Ton Pickup 4X4 w/Utility Box	17-CE-362	n/a		45,000				45,000
3/4 Ton Pickup 4X4	17-CE-363	n/a		36,000				36,000
Building Inspections Pickup 4X4	17-CE-413	n/a		28,000				28,000
Building Inspections Pickup	17-CE-414	n/a		28,000				28,000
Mower 16'	17-CE-5004	n/a		111,600				111,600
Garbage Truck	17-CE-560	n/a		110,000				110,000
Aerial Bucket Truck	17-CE-562	n/a		120,000				120,000
3/4 Ton Pickup 4x4	17-CE-568	n/a		36,000				36,000
One Ton Truck with Lift Gate	17-CE-575	n/a				80,000		80,000
One Ton 4X4 with Plow and Lift Gate	17-CE-596	n/a				78,000		78,000
Police Squad Cars (3)	17-CE-SQUADS	n/a		123,000				123,000
Engineering SUV	18-CE-033	n/a			30,000			30,000
Police CSO 1/2 Ton Pickup	18-CE-1719	n/a			32,000			32,000
Minivan	18-CE-198	n/a			30,000			30,000
One Ton Truck with Plow	18-CE-2000	n/a			79,000			79,000
2000 624H JD Wheel Loader /plow	18-CE-203	n/a			300,000			300,000
Jetter Vac	18-CE-3022	n/a			32,800			32,800
1990 25 KW Winco Generator	18-CE-325	n/a			30,000			30,000
One Ton with Plow and Contractor Box	18-CE-360	n/a			85,000			85,000
Jetter Truck	18-CE-364	n/a			200,800			200,800
One Ton Truck with Lift Gate	18-CE-365	n/a			74,000			74,000
Wood Chipper	18-CE-5002	n/a			55,400			55,400
Forestry Pickup	18-CE-5003	n/a			26,400			26,400
One Ton 4X4 with Plow	18-CE-598	n/a			94,000			94,000
Police Squad Cars (7)	18-CE-SQUADS	n/a			280,000			280,000
Steel Drum Roller Hypac 6500lbs	19-CE-2004	n/a				50,500		50,500
Tandem Axle Plow with Sander	19-CE-285	n/a				270,000		270,000
Televising Van	19-CE-367	n/a				214,000		214,000
3/4 Ton Pickup with Plow	19-CE-5005	n/a				39,500		39,500
3/4 Ton Pickup with Plow	19-CE-5006	n/a				39,500		39,500
Fork Lift 6000 Pund Capacity	19-CE-700	n/a				36,500		36,500
Park Maintenance Tool Cat with Snow Blower	19-CE-NEW1	n/a				0		0
Park Maintenance Utility Tractor with Snow Blower	19-CE-NEW2	n/a				0		0
Police Squad Cars (7)	19-CE-SQUADS	n/a				301,000		301,000
2010 Police Investigations SUV	20-CE-1706	n/a					30,000	30,000
Police Investigation Vehicle	20-CE-1707	n/a					29,000	29,000
Lee Boy Paver 8510-Upgrade	20-CE-2001	n/a	120,000					120,000
3/4 Ton Pickup 4x4 with Plow	20-CE-2006	n/a					38,000	38,000
Power Prime 4 Inch Pump	20-CE-217	n/a					40,000	40,000
2005 Ingersoll Rand 185 Air Compressor	20-CE-239	n/a					31,000	31,000

Source	Project#	Priority	2016	2017	2018	2019	2020	Total
Tandem Axle Dump Truck with Sander	20-CE-286	n/a					280,000	280,000
Tandem Axle Truck with Sander	20-CE-287	n/a					280,000	280,000
Step Van for Excavations	20-CE-353	n/a					81,000	81,000
3/4 Ton Pickup 4x4	20-CE-368	n/a					34,000	34,000
Minivan	20-CE-4003	n/a					28,000	28,000
3/4 Ton Pickup 4x4 with Plow	20-CE-5008	n/a					41,000	41,000
3/4 Ton Pickup 4X4 with Plow	20-CE-5009	n/a					41,000	41,000
Cargo Van	20-CE-5011	n/a					30,000	30,000
Mower 16'	20-CE-5015	n/a					112,300	112,300
Mower 6'	20-CE-5016	n/a					53,000	53,000
Tractor with Blower	21-CE-505	n/a	60,000					60,000
Medium Duty Fire Rescue Truck	25-CE-035	n/a					360,000	360,000
Central Equipment Fund Total			1,610,000	1,537,600	3,735,600	1,309,000	1,538,300	9,730,500

Construction Improvement Fund (CO)

Public Works Maintenance Facility Expansion	15-FM-015	n/a		4,000,000				4,000,000
Flashing Yellow Arrow Signal Conversions	15-ST-004	n/a	500,000	500,000				1,000,000
Construction Improvement Fund (CON 413) Total			500,000	4,500,000				5,000,000

Elm Creek Watershed

Elm Creek Stream Restoration	14-WR-002	n/a	50,000					50,000
Elm Creek Watershed Total			50,000					50,000

Facilities Management

Painting - City Wide	07-FM-008	n/a	30,000	30,000	30,000	30,000	30,000	150,000
Seal Coating/Crack Sealing/Asphalt Repair	08-FM-006	n/a	25,000	25,000	25,000	25,000	25,000	125,000
Misc. Concrete Replacement	08-FM-007	n/a	40,000	40,000	40,000	50,000	50,000	220,000
Roof Inspections and Repairs	14-FM-002	n/a	50,000	50,000	50,000	50,000	50,000	250,000
Replace Carpet - Public Works	15-FM-008	n/a		16,000				16,000
Replace Floor Drains - Public Works	15-FM-011	n/a	0					0
Aerial Lift for Facilities and Treatment Plants	16-CE-NEW7	n/a	15,000					15,000
Replace Air Handling Unit - Fire Station 1	16-FM-001	n/a	50,000					50,000
Replace Rooftop Unit - Plymouth Creek Center	16-FM-002	n/a		85,000				85,000
Lighting High Efficiency Improvements - Citywide	16-FM-004	n/a	50,000	50,000	50,000	50,000	50,000	250,000
Resurface/Seal Concrete Floor - Public Safety	16-FM-005	n/a	30,000					30,000
Replace Air Conditioner in the IT Server Room	16-FM-007	n/a	30,000					30,000
Replace Ballroom Divider - Plymouth Creek Center	17-FM-001	n/a	90,000					90,000
Replace Air Makeup Units - Public Works	18-FM-002	n/a		65,000				65,000
Remodel/Refurnish Office - Public Works	18-FM-003	n/a		25,000				25,000
Replace Floor Tiles - Public Works	18-FM-004	n/a		30,000				30,000
Resurface Floor - Public Works Repair Center	18-FM-005	n/a	20,000					20,000
Resurface/Seal Concrete Floor - Public Works	19-FM-001	n/a			65,000			65,000
Replace Air Makeup Unit - Public Safety Garage	19-FM-002	n/a				50,000		50,000
Replace 3 Roof Top Units - City Hall	20-FM-002	n/a					125,000	125,000
Replace Used Oil Burner - Public Works	20-FM-003	n/a					30,000	30,000
Replace Air Conditioner - DR Room Public Works	20-FM-004	n/a					25,000	25,000
Replace Radiant Heat - Fire Station 1	20-FM-005	n/a					30,000	30,000
Facilities Management Total			430,000	416,000	260,000	255,000	415,000	1,776,000

Source	Project#	Priority	2016	2017	2018	2019	2020	Total
Federal Funding								
Rail X-ing Safety Improvements - Zachary Lane	08-ST-006	n/a	260,000					260,000
Federal Funding Total			260,000					260,000
Field House Fund								
Parking Lot Repair/Replacement	15-PR-002	n/a	150,000					150,000
Electronic Reader Board Repair/Renovation	16-PR-003	n/a			37,500			37,500
Fieldhouse Dome Replacement	19-PR-001	n/a		600,000				600,000
Field House Fund Total			150,000	600,000	37,500			787,500
General Fund								
Single Axle Plow with Sander 1998 Sterling-Upgrade	09-CE-273	n/a	30,000					30,000
40' Conveyor	15-CE-224	n/a		39,000				39,000
New Building Inspections Pickup 4X4	16-CE-NEW1	n/a	28,000					28,000
Police Marked Squad Car No. 2 (additional)	16-CE-NEW10	n/a		46,000				46,000
Police Command Vehicle No. 1 (additional)	16-CE-NEW11	n/a	35,000					35,000
Police Command Vehicle No. 2 (additional)	16-CE-NEW12	n/a	35,000					35,000
Park Maintenance Larger 18' Chipper	16-CE-NEW2	n/a	50,000					50,000
Park Maintenance 3/4 Ton Pickup 4x4	16-CE-NEW3	n/a	37,000					37,000
Single Axle Truck and Hot Asphalt Patch Box	16-CE-NEW4	n/a	80,000					80,000
Fire SUV	16-CE-NEW8	n/a	40,000					40,000
Police Marked Squad Car No. 1 (additional)	16-CE-NEW9	n/a	45,000					45,000
Park Maintenance Pickup 4x4	17-CE-NEW1	n/a		38,000				38,000
Police Marked Squad Car No. 3 (additional)	17-CE-NEW3	n/a			47,000			47,000
Police Command Vehicle No. 3 (additional)	17-CE-NEW4	n/a		36,000				36,000
Park Maintenance One Ton with Dump Box	19-CE-NEW3	n/a		65,000				65,000
New Sidewalk Machine	19-CE-NEW4	n/a				170,000		170,000
Lee Boy Paver 8510-Upgrade	20-CE-2001	n/a	96,000					96,000
Park Maintenance Small Wheel Loader	20-CE-NEW1	n/a					110,000	110,000
General Fund Total			476,000	224,000	47,000	170,000	110,000	1,027,000
General Project Fund (Gen. Fund Res								
Public Works Maintenance Facility Expansion	15-FM-015	n/a	1,000,000					1,000,000
General Project Fund (Gen. Fund Reserves) Total			1,000,000					1,000,000
Grants								
Chemical De-icing Mixing System - Public Works	14-FM-001	n/a	200,000					200,000
Valve Exerciser/Vactor Unit	16-CE-NEW5	n/a	10,000					10,000
Transit Station Improvements	16-FM-006	n/a	200,000					200,000
Grants Total			410,000					410,000
Hennepin County								
CR 24 - 30th Avenue to CR 101	08-ST-004	n/a	1,500,000					1,500,000
Hennepin County Total			1,500,000					1,500,000

Source	Project#	Priority	2016	2017	2018	2019	2020	Total
Ice Center Fund								
Replace Ice Center Zambonis	13-PIC-001	n/a				150,000		150,000
Relace Ice Center Rubber Flooring	14-PIC-001	n/a		75,000				75,000
Replace Ice Center Dehumidifier Desicant Wheels	14-PIC-003	n/a	30,000				35,000	65,000
Replace Ice Center Roof Top Air Handler	16-PIC-001	n/a	80,000					80,000
RUPP Roof Air-Exchange/Handler	16-PIC-003	n/a	30,000					30,000
Ice Center Energy Management System	16-PIC-004	n/a	30,000					30,000
Electronic Reader Board Repair/Renovation	16-PR-003	n/a	40,000					40,000
Replace Ice Center Dasher Boards	17-PIC-001	n/a	75,000			75,000		150,000
Replace Ice Center Scoreboards	18-PIC-001	n/a			36,000			36,000
Replace Cooling Towers at Plymouth Ice Center	20-PIC-001	n/a					110,000	110,000
Ice Center Fund Total			285,000	75,000	36,000	225,000	145,000	766,000
Information Technology Fund								
Replace SAN	15-IT-001	n/a		150,000				150,000
Time and Attendance System	15-IT-003	n/a	30,000					30,000
Replace Exchange 2010 Server	15-IT-005	n/a		40,000				40,000
Replace GIS Server	15-IT-006	n/a			25,000			25,000
Replace Park and Recreation Registration Software	15-IT-009	n/a	100,000					100,000
Replace Permitting System	15-IT-011	n/a	250,000					250,000
Disaster Recovery Room Core Swith Upgrade	16-IT-002	n/a	75,000					75,000
Cisco Voice Router Upgrade	16-IT-003	n/a	40,000					40,000
Desktop Management and Helpdesk Software	16-IT-004	n/a	95,000					95,000
VDI - Virtual Desktop Infrastructure	16-IT-005	n/a	50,000	50,000				100,000
Upgrade Police Video Surveillance	16-IT-006	n/a	45,000					45,000
Technology Packages Police 3 New Police Vehicles	16-IT-007	n/a	25,000	25,000	25,000			75,000
Technology Package for New Fire SUV	16-IT-008	n/a	25,000					25,000
Website Move to Cloud	16-IT-009	n/a	35,300					35,300
Fiberoptics Interconnections	16-IT-010	n/a	80,000					80,000
Replace Production Image Scanners	17-IT-001	n/a			27,000			27,000
Squad Car Printer Replacement	17-IT-002	n/a		27,000				27,000
Public Safety Body Cameras	17-IT-003	n/a		65,000				65,000
Information Technology Fund Total			850,300	357,000	77,000			1,284,300
Municipal State Aid Fund								
CR 24 - 30th Avenue to CR 101	08-ST-004	n/a	1,500,000					1,500,000
Nathan Lane & CR 10 Intersection	12-ST-002	n/a	100,000	500,000				600,000
TH 55 Frontage Road Reconstruction	14-ST-002	n/a	370,000					370,000
54th Avenue from Peony Lane to CSAH 101	17-ST-003	n/a		2,800,000				2,800,000
57th Avenue from Woodcrest to Juneau Lane	19-ST-002	n/a				3,300,000		3,300,000
Municipal State Aid Fund Total			1,970,000	3,300,000		3,300,000		8,570,000
Other								
Vicksburg Lane - Schmidt Lake Rd to Maple Grove	11-ST-005	n/a	8,600,000	1,000,000				9,600,000
Public Works Maintenance Facility Expansion	15-FM-015	n/a	2,000,000					2,000,000
Other Total			10,600,000	1,000,000				11,600,000
Park Dedication Fund								
New Trails	07-PR-001	n/a	510,000	35,000	300,000	200,000	350,000	1,395,000

Source	Project#	Priority	2016	2017	2018	2019	2020	Total
Land Acquisition	07-PR-003	n/a	400,000	400,000	400,000	500,000		1,700,000
Trail Crossing	08-PR-001	n/a	1,600,000					1,600,000
Add/Replace Outdoor Hockey Rinks	10-PR-004	n/a		300,000				300,000
Neighborhood Parks	13-PR-001	n/a	400,000	420,000	420,000		500,000	1,740,000
Northwest Greenway Trail	14-PR-005	n/a	900,000	1,100,000	2,100,000			4,100,000
Parking Lot Repair/Replacement	15-PR-002	n/a	650,000					650,000
Outdoor Turf Field	15-PR-003	n/a		1,000,000				1,000,000
New Pump Track	16-PR-001	n/a	90,000					90,000
Park Lighting	16-PR-002	n/a			100,000		120,000	220,000
10th Playfield Land Development	20-PR-001	n/a					4,000,000	4,000,000
Park Dedication Fund Total			4,550,000	3,255,000	3,320,000	700,000	4,970,000	16,795,000

Park Replacement Fund

Trail Repair	07-PR-004	n/a	205,000	205,000	210,000	210,000	215,000	1,045,000
Replace Irrigation Systems	07-PR-005	n/a			75,000	205,000	225,000	505,000
Replace Retaining Walls	09-ST-006	n/a	60,000					60,000
Playground Replacement or Renovation	10-PR-001	n/a	500,000	210,000	500,000	200,000	500,000	1,910,000
Add/Replace Outdoor Hockey Rinks	10-PR-004	n/a			150,000		175,000	325,000
Miscellaneous Park Improvements	10-PR-008	n/a	141,000	125,000	100,000	100,000	75,000	541,000
Replace Miscellaneous Boardwalks	14-PR-003	n/a	30,000	35,000	25,000	30,000		120,000
Tennis Court Repair	14-PR-004	n/a	240,000				275,000	515,000
Parking Lot Repair/Replacement	15-PR-002	n/a	550,000		350,000		550,000	1,450,000
Park Lighting	16-PR-002	n/a	150,000	275,000		110,000		535,000
Electronic Reader Board Repair/Renovation	16-PR-003	n/a			37,500			37,500
Park Building Renovation and Repair	17-PR-001	n/a	50,000	500,000	50,000		500,000	1,100,000
Park Replacement Fund Total			1,926,000	1,350,000	1,497,500	855,000	2,515,000	8,143,500

Resource Planning

Emergency Siren #14	16-FM-003	n/a	30,000					30,000
Resource Planning Total			30,000					30,000

Sewer Fund

Line Sanitary Sewer Main: Annual Program	06-SS-003	n/a	780,000	860,000	930,000	1,000,000	1,000,000	4,570,000
Refurbish Sunset Hill Lift Station	14-SS-002	n/a	600,000					600,000
TH 55 Frontage Road Reconstruction	14-ST-002	n/a	50,000					50,000
Refurbish Greentree Lift Station	15-SS-001	n/a	90,000	600,000				690,000
15th Ave./Pineview Lane San. Sewer Replacement	15-SS-002	n/a	400,000					400,000
Abandon Autumn Hills Lift Station	16-SS-001	n/a	100,000	500,000				600,000
Backup Pumps Larger Lift Stations	16-SS-002	n/a	110,000	55,000				165,000
2016 Street Reconstruction	16-ST-001	n/a	20,000					20,000
Tandem Axle Truck for Hauling	17-CE-NEW2	n/a		50,000				50,000
Connect Bass Lake Lift Station to Fiberoptics	17-SS-002	n/a		115,000				115,000
2017 Street Reconstruction	17-ST-001	n/a		30,000				30,000
Tandem Axle Truck for Hauling	18-CE-NEW1	n/a			50,000			50,000
Refurbish Bass Lake Plaza Lift Station	18-SS-001	n/a		100,000	700,000			800,000
2018 Street Reconstruction	18-ST-001	n/a			10,000			10,000
2019 Street Reconstruction	19-ST-001	n/a				10,000		10,000
2020 Street Reconstruction	20-ST-002	n/a					10,000	10,000
Sewer Fund Total			2,150,000	2,310,000	1,690,000	1,010,000	1,010,000	8,170,000

Source	Project#	Priority	2016	2017	2018	2019	2020	Total
Special Assessments - Streets								
Edge Mill and Overlay Projects	09-ST-007	n/a	800,000	800,000	800,000	800,000	800,000	4,000,000
TH 55 Frontage Road Reconstruction	14-ST-002	n/a	90,000					90,000
2016 Street Reconstruction	16-ST-001	n/a	330,000					330,000
2017 Street Reconstruction	17-ST-001	n/a		820,000				820,000
Frontage Road Southwest Corner CSAH 101 and TH55	17-ST-002	n/a		500,000				500,000
54th Avenue from Peony Lane to CSAH 101	17-ST-003	n/a		1,100,000				1,100,000
2018 Street Reconstruction	18-ST-001	n/a			800,000			800,000
2019 Street Reconstruction	19-ST-001	n/a				800,000		800,000
2020 Street Reconstruction	20-ST-002	n/a					800,000	800,000
Special Assessments - Streets Total			1,220,000	3,220,000	1,600,000	1,600,000	1,600,000	9,240,000
State Highway Bonds								
Vicksburg Lane - Schmidt Lake Rd to Maple Grove	11-ST-005	n/a	4,700,000					4,700,000
State Highway Bonds Total			4,700,000					4,700,000
State/County/Federal								
Frontage Road Southwest Corner CSAH 101 and TH55	17-ST-002	n/a		300,000				300,000
State/County/Federal Total				300,000				300,000
Street Reconstruction Fund								
Mill & Overlay Projects	09-ST-004	n/a	800,000	1,000,000	1,800,000	700,000	1,000,000	5,300,000
Replace Retaining Walls	09-ST-006	n/a	60,000	90,000	90,000	90,000	90,000	420,000
Edge Mill and Overlay Projects	09-ST-007	n/a	1,920,000	1,920,000	1,920,000	1,920,000	1,920,000	9,600,000
Concrete Sidewalk Replacement	11-ST-010	n/a	100,000	50,000	50,000	50,000	50,000	300,000
TH 55 Frontage Road Reconstruction	14-ST-002	n/a	100,000					100,000
Upgrade Crosswalk Signage	15-ST-005	n/a	50,000					50,000
2016 Street Reconstruction	16-ST-001	n/a	450,000					450,000
2017 Street Reconstruction	17-ST-001	n/a	80,000	1,150,000				1,230,000
2018 Street Reconstruction	18-ST-001	n/a		80,000	1,160,000			1,240,000
Troy Lane from 54th Avenue to CR 47	18-ST-002	n/a			3,500,000			3,500,000
2019 Street Reconstruction	19-ST-001	n/a			80,000	1,160,000		1,240,000
Juneau Lane from Hampton Hills to 59th Avenue	20-ST-001	n/a					2,500,000	2,500,000
2020 Street Reconstruction	20-ST-002	n/a				80,000	1,160,000	1,240,000
Street Reconstruction Fund Total			3,560,000	4,290,000	8,600,000	4,000,000	6,720,000	27,170,000
Transit Fund								
Transit Station Improvements	16-FM-006	n/a	205,000					205,000
Transit Fund Total			205,000					205,000
Utility Trunk Fund								
Trunk Sewer Oversizing	08-SS-002	n/a	100,000	100,000	100,000	100,000	100,000	500,000
Trunk Watermain Oversizing	08-W-003	n/a	220,000	220,000	220,000	220,000	220,000	1,100,000
Wells 18 and 19 and New Water Treatment Plant	13-W-002	n/a					7,600,000	7,600,000
Utility Trunk Fund Total			320,000	320,000	320,000	320,000	7,920,000	9,200,000

Source	Project#	Priority	2016	2017	2018	2019	2020	Total
Water and Sewer Replacement Fund (412)								
Water Meter Replacement	15-W-003	n/a	5,000,000					5,000,000
Water and Sewer Replacement Fund (412) Total			5,000,000					5,000,000
Water Fund								
Well Refurbishing	07-W-002	n/a	255,000	265,000	270,000	280,000	280,000	1,350,000
CR 24 - 30th Avenue to CR 101	08-ST-004	n/a	300,000					300,000
Refurbish Zachary Water Tower	12-W-001	n/a	70,000	1,000,000				1,070,000
TH 55 Frontage Road Reconstruction	14-ST-002	n/a	110,000					110,000
Powerwash Elevated Storage Facilities	15-W-001	n/a	25,000	25,000	50,000	25,000	25,000	150,000
Valve Exerciser/Vactor Unit	16-CE-NEW5	n/a	61,000					61,000
New Hydrant Maintenance Truck	16-CE-NEW6	n/a	47,000					47,000
Aerial Lift for Facilities and Treatment Plants	16-CE-NEW7	n/a	15,000					15,000
2016 Street Reconstruction	16-ST-001	n/a	350,000					350,000
Replace Boilers and Heat Heat Pump - Zachary WTP	16-W-002	n/a	143,000	40,000				183,000
Tandem Axle Truck for Hauling	17-CE-NEW2	n/a		60,000				60,000
2017 Street Reconstruction	17-ST-001	n/a		400,000				400,000
Tandem Axle Truck for Hauling	18-CE-NEW1	n/a			61,000			61,000
2018 Street Reconstruction	18-ST-001	n/a			20,000			20,000
2019 Street Reconstruction	19-ST-001	n/a				20,000		20,000
Refurbish Central Water Tower	19-W-001	n/a			130,000	1,500,000		1,630,000
2020 Street Reconstruction	20-ST-002	n/a					20,000	20,000
Water Fund Total			1,376,000	1,790,000	531,000	1,825,000	325,000	5,847,000
Water Resources Fund								
Maintain Water Quality Ponds	06-WR-002	n/a	125,000	125,000	125,000	125,000	125,000	625,000
Unspecified Drainage Improvement	08-WR-003	n/a		175,000			250,000	425,000
TH 55 Frontage Road Reconstruction	14-ST-002	n/a	30,000					30,000
Elm Creek Stream Restoration	14-WR-002	n/a	350,000					350,000
Kilmer Park Pond and Stream Restoration	14-WR-004	n/a	45,000			300,000		345,000
Mount Olivet Stream Restoration	15-WR-003	n/a				50,000	250,000	300,000
Chelsea Woods Drainage - Weston Ln. to CR 6	15-WR-004	n/a	50,000	300,000	300,000			650,000
Transit Station Improvements	16-FM-006	n/a	25,000					25,000
2016 Street Reconstruction	16-ST-001	n/a	20,000					20,000
Weston Lane Storm Sewer Lift Station Rehab.	16-WR-001	n/a			50,000	500,000		550,000
Plymouth Creek Stream Restoration	16-WR-002	n/a				50,000	250,000	300,000
15th Ave./ Pineview Lane Storm Sewer Replacement	16-WR-003	n/a	770,000	750,000				1,520,000
Quail Ridge 3rd Addition	16-WR-004	n/a	50,000	350,000				400,000
Tandem Axle Truck for Hauling	17-CE-NEW2	n/a		60,000				60,000
2017 Street Reconstruction	17-ST-001	n/a		20,000				20,000
Wild Wings Western Wetland Improvements	17-WR-001	n/a		25,000	100,000	100,000		225,000
Wood Creek Tributary - Armstrong H.S. to 34th Ave.	17-WR-002	n/a				50,000	300,000	350,000
Harbor Place Erosion Repair	17-WR-003	n/a		50,000	200,000			250,000
French Ridge Park Drainage Improvement	17-WR-004	n/a		25,000	100,000			125,000
Tandem Axle Truck for Hauling	18-CE-NEW1	n/a			61,000			61,000
2018 Street Reconstruction	18-ST-001	n/a			10,000			10,000
St. Marys Addition Drainage Improvement	18-WR-001	n/a			25,000	125,000		150,000
Mengelkochs First Addition Drainage Improvement	18-WR-002	n/a			50,000	125,000		175,000
2019 Street Reconstruction	19-ST-001	n/a				10,000		10,000
19th Avenue/Dunkirk Lane Pond Improvement	19-WR-001	n/a				50,000	500,000	550,000
Parkers Lake Park Drainage Improvement	19-WR-002	n/a				75,000	300,000	375,000

Source	Project#	Priority	2016	2017	2018	2019	2020	Total
2020 Street Reconstruction	20-ST-002	n/a					10,000	10,000
Maple Creek Stream Restoration	20-WR-001	n/a					100,000	100,000
Water Resources Fund Total			1,465,000	1,880,000	1,021,000	1,560,000	2,085,000	8,011,000
GRAND TOTAL			50,199,100	31,124,600	22,772,600	17,129,000	29,353,300	150,578,600