
Capital Improvement Plan

Fiscal Years 2019 – 2024



Table of Contents

Summary of Uses and Sources of Funds _____	1
Use of Funds _____	2
Source of Funds _____	3
Capital Acquisitions, Improvements & Replacement Needs:	
Fiscal Year 2019 _____	4-6
Fiscal Year 2020 _____	7-8
Fiscal Year 2021 _____	9-10
Fiscal Year 2022 _____	11-12
Fiscal Year 2023 _____	13-14
Fiscal Year 2024 _____	15
Capital Improvement Plan by Fund for Fiscal Years 2019-2024:	
General Fund Projects _____	16-17
Recreation Complex Projects _____	18
Major Streets Projects _____	19
Local Streets Projects _____	20
Drinking Water Projects _____	21
Sanitary Sewer Projects _____	22
Glossary _____	23-24

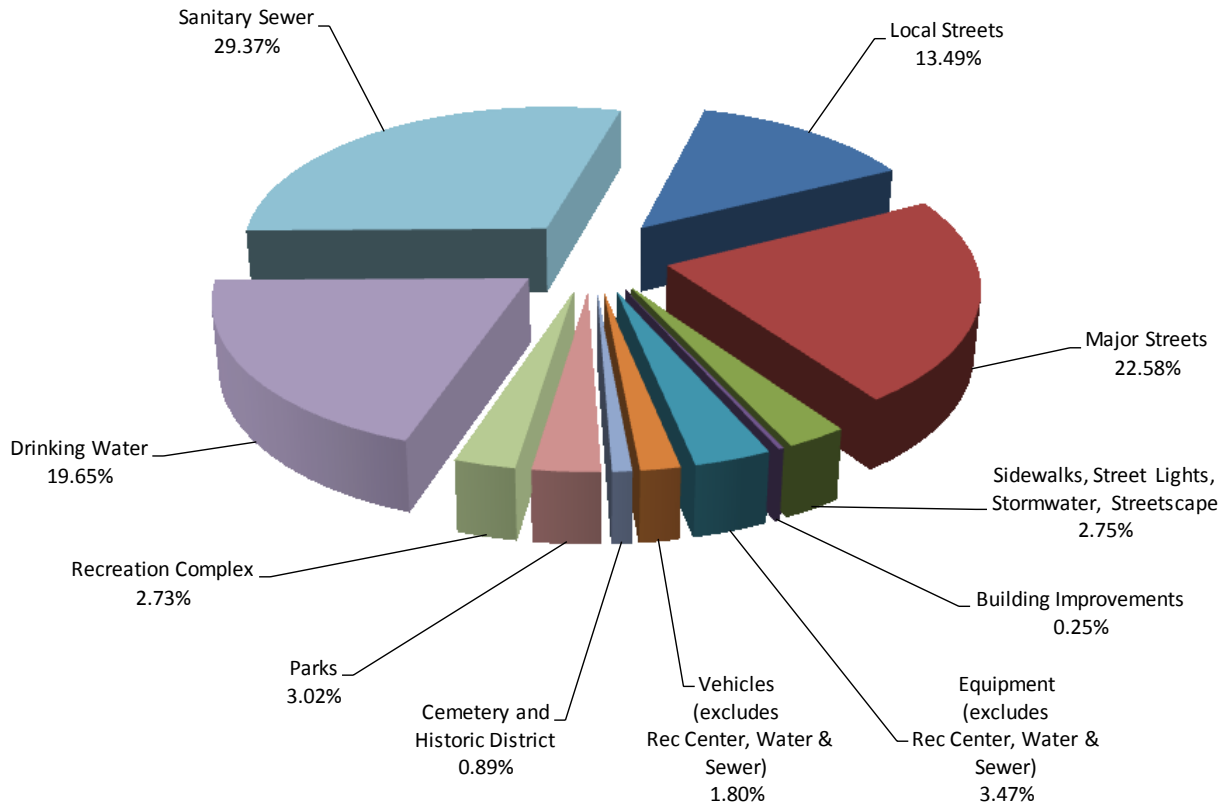


Capital Improvement Plan
Summary of Uses and Sources of Funds
For Fiscal Years Ending June 30, 2019–2024

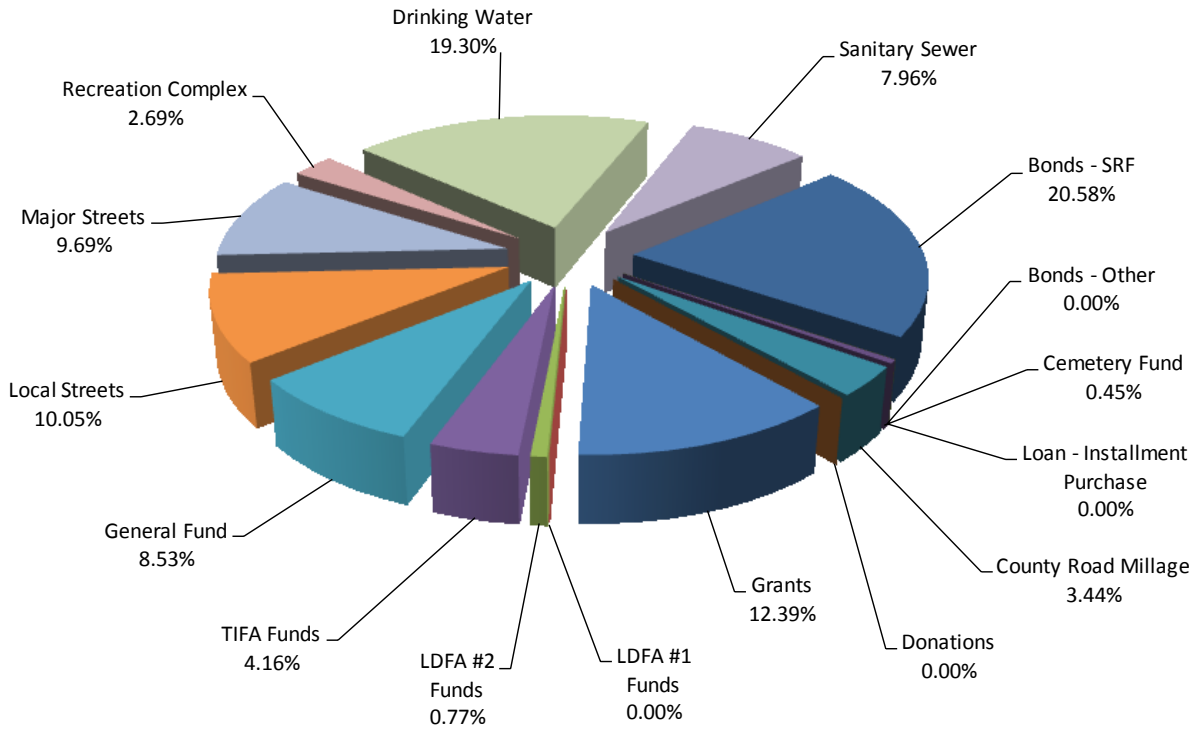
USES OF FUNDS	FY19	FY20	FY21	FY22	FY23	FY24	TOTALS
Local Streets	\$332,010	\$499,590	\$606,955	\$628,245	\$400,000	\$252,500	\$2,719,300
Major Streets	176,100	1,320,100	1,124,535	622,365	510,000	800,000	4,553,100
Sidewalks, Street Lights, Stormwater, Streetscape	220,000	235,000	25,000	25,000	25,000	25,000	555,000
Building Improvements	0	50,000	0	0	0	0	50,000
Equipment (excludes Rec Center, Water & Sewer)	305,575	284,000	81,000	10,000	10,000	10,000	700,575
Vehicles (excludes Rec Center, Water & Sewer)	75,500	86,500	69,000	43,000	44,000	45,000	363,000
Cemetery & Historic District	30,000	30,000	30,000	30,000	30,000	30,000	180,000
Parks & Parking Lots	184,000	175,000	0	250,000	0	0	609,000
Recreation Complex	130,500	126,000	141,590	87,145	0	65,000	550,235
Drinking Water	687,000	1,020,995	1,138,155	353,200	507,150	255,000	3,961,500
Sanitary Sewer	4,558,000	455,000	353,100	80,000	395,000	80,000	5,921,100
TOTAL PROJECT COSTS	\$6,698,685	\$4,282,185	\$3,569,335	\$2,128,955	\$1,921,150	\$1,562,500	\$20,162,810

SOURCES OF FUNDS	FY19	FY20	FY21	FY22	FY23	FY24	TOTALS
Bonds - State Revolving Fund (SRF)	\$4,150,000	\$0	\$0	\$0	\$0	\$0	\$4,150,000
Bonds - Other	0	0	0	0	0	0	0
Loan - Installment Purchase	0	0	0	0	0	0	0
Cemetery Fund	15,000	15,000	15,000	15,000	15,000	15,000	90,000
County Road Millage/Reimbursement	168,300	171,670	175,100	178,600	0	0	693,670
Donations	0	0	0	0	0	0	0
Grant - CARES	7,000	0	0	0	0	0	7,000
Grant - Community Health	0	75,000	0	0	0	0	75,000
Grant - Historic Preservation	0	0	0	0	0	0	0
Grant - S2 (Sanitary Sewer)	0	0	0	0	0	0	0
Grant - S.A.W	112,500	0	0	0	0	0	112,500
Grant - Public Safety	4,656	1,856	1,856	0	0	0	8,368
Grant - Streets	0	935,000	360,000	0	350,000	650,000	2,295,000
LDFA #1 Funds	0	0	0	0	0	0	0
LDFA #2 Funds	35,840	88,840	15,000	0	15,000	0	154,680
TIFA Funds	269,000	230,000	0	30,000	160,000	150,000	839,000
TOTAL FUNDING SOURCES	\$4,762,296	\$1,517,366	\$566,956	\$223,600	\$540,000	\$815,000	\$8,425,218

FUND REVENUE & RESERVES/FUND BALANCE NEEDED							
General Fund	\$525,419	\$573,644	\$163,144	\$318,000	\$69,000	\$70,000	\$1,719,207
Local Streets	163,710	327,920	431,855	449,645	400,000	252,500	2,025,630
Major Streets (including METRO Funds)	140,260	356,260	789,535	617,365	25,000	25,000	1,953,420
Recreation Complex	123,500	126,000	141,590	87,145	0	65,000	543,235
Drinking Water	687,000	950,995	1,138,155	353,200	507,150	255,000	3,891,500
Sanitary Sewer	296,500	430,000	338,100	80,000	380,000	80,000	1,604,600
TOTAL FROM FUND REVENUE & RESERVES	\$1,936,389	\$2,764,819	\$3,002,379	\$1,905,355	\$1,381,150	\$747,500	\$11,737,592
TOTAL FUNDING FOR PROJECTS	\$6,698,685	\$4,282,185	\$3,569,335	\$2,128,955	\$1,921,150	\$1,562,500	\$20,162,810



USE OF FUNDS	FY19	FY20	FY21	FY22	FY23	FY24	TOTALS
Local Streets	\$332,010	\$499,590	\$606,955	\$628,245	\$400,000	\$252,500	\$2,719,300
Major Streets	176,100	1,320,100	1,124,535	622,365	510,000	800,000	4,553,100
Sidewalks, Street Lights, Stormwater, Streetscape	\$220,000	\$235,000	\$25,000	\$25,000	\$25,000	\$25,000	\$555,000
Building Improvements	0	50,000	0	0	0	0	50,000
Equipment (excludes Rec Center, Water & Sewer)	\$305,575	\$284,000	\$81,000	\$10,000	\$10,000	\$10,000	\$700,575
Vehicles (excludes Rec Center, Water & Sewer)	75,500	86,500	69,000	43,000	44,000	45,000	363,000
Cemetery and Historic District	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$180,000
Parks	184,000	175,000	0	250,000	0	0	609,000
Recreation Complex	\$130,500	\$126,000	\$141,590	\$87,145	\$0	\$65,000	\$550,235
Drinking Water	687,000	1,020,995	1,138,155	353,200	507,150	255,000	3,961,500
Sanitary Sewer	\$4,558,000	\$455,000	\$353,100	\$80,000	\$395,000	\$80,000	\$5,921,100
TOTALS	\$6,698,685	\$4,282,185	\$3,569,335	\$2,128,955	\$1,921,150	\$1,562,500	\$20,162,810



SOURCE OF FUNDS	FY19	FY20	FY21	FY22	FY23	FY24	TOTALS
Bonds - State Revolving Fund (SRF)	\$4,150,000	\$0	\$0	\$0	\$0	\$0	\$4,150,000
Bonds - Other	0	0	0	0	0	0	0
Loan - Installment Purchase	0	0	0	0	0	0	0
Cemetery Fund	15,000	15,000	15,000	15,000	15,000	15,000	90,000
County Road Millage	168,300	171,670	175,100	178,600	0	0	693,670
Donations	0	0	0	0	0	0	0
Grant - CARES	7,000	0	0	0	0	0	7,000
Grant - Community Health	0	75,000	0	0	0	0	75,000
Grant - Historic Preservation	0	0	0	0	0	0	0
Grant - S2 (Sanitary Sewer)	0	0	0	0	0	0	0
Grant - S.A.W.	112,500	0	0	0	0	0	112,500
Grant - Public Safety	4,656	1,856	1,856	0	0	0	8,368
Grant - Streets	0	935,000	360,000	0	350,000	650,000	2,295,000
LDFA #1 Funds	0	0	0	0	0	0	0
LDFA #2 Funds	35,840	88,840	15,000	0	15,000	0	154,680
TIFA Funds	269,000	230,000	0	30,000	160,000	150,000	839,000
General Fund	525,419	573,644	163,144	318,000	69,000	70,000	1,719,207
Local Streets	163,710	327,920	431,855	449,645	400,000	252,500	2,025,630
Major Streets (including METRO Funds)	140,260	356,260	789,535	617,365	25,000	25,000	1,953,420
Recreation Complex	123,500	126,000	141,590	87,145	0	65,000	543,235
Drinking Water	687,000	950,995	1,138,155	353,200	507,150	255,000	3,891,500
Sanitary Sewer	296,500	430,000	338,100	80,000	380,000	80,000	1,604,600
TOTALS	\$6,698,685	\$4,282,185	\$3,569,335	\$2,128,955	\$1,921,150	\$1,562,500	\$20,162,810

Capital Acquisitions, Improvements & Replacement Needs





Capital Improvement Plan
Capital Acquisitions, Improvements & Replacement Needs
For Fiscal Year Ending June 30, 2019

Project Description	FY19 Cost	Source of Funding					
		Revenue, Reserves, Fund Balance	Cemetery Fund	Component Units	County Millage	Debt Service	Donations & Grants
GENERAL FUND							
<u>General Government</u>							
Communication Systems Upgrade	12,000	12,000					
Upgrade Conference Rooms to HD (City/Police)	20,000	20,000					
Fiber Optic Connection	50,000	50,000					
Relocate Power Lines on sold property	105,000	105,000					
<u>Public Safety</u>							
Police Patrol Vehicle	40,000	40,000					
Bullet-Proof Vests	3,575	775					2,800
<u>Public Works</u>							
S.A.W. Program (Stormwater)	40,000	4,000					36,000
DPW 4X4 Pickup w/Blade, Tailgate	35,500	35,500					
DPW 5-7 CYD Dump/Salt Truck	220,000	220,000					
<u>Cemetery & Historic District</u>							
Cemetery Landscaping: Trees and Shrubs	5,000	0	5,000				
Cemetery Irrigation project (extend water lines)	10,000	0	10,000				
Rentschler Farm Improvements - TBD	15,000	15,000					
<u>Park Improvements</u>							
Millpond Park Bathroom Rehab	5,000	0		5,000			
Millpond Park Small Dog Area	9,000	0		9,000			
Curtiss Park Pavillion Repair/Replacement	30,000	0		30,000			
Peoples' Park Tennis Courts	90,000	0		90,000			
Brecon Park Path Projects	25,000	25,000					
Parking Lot #1 - Light Conversion to LED	25,000	0		25,000			
RECREATION COMPLEX							
Resurface Pool Deck/Flooring	60,000	60,000					
Reseal Pool Bottom (Marcite coating)	55,000	55,000					
Pool Area Interior Doors (1st of 2 year project)	8,500	8,500					
Grant/Batting Cages	7,000	0					7,000
MAJOR STREETS							
Grant/Maple: Clark to Library <i>(Reconstruction project)</i>	90,000	0		90,000			
Grant/N. Industrial: US12 to Woodland <i>(Mill & Fill)</i>	26,050	26,050					
Grant/S. Industrial: US12 to S. end <i>(Mill & Fill)</i>	26,050	5,210		20,840			
US-12 Sidewalk: Bridge to Austin Road <i>(Construct new sidewalk on North side)</i>	30,000	30,000					
City Bridges Rehabilitation Project <i>(Condition Assessment; Repair as needed)</i>	34,000	34,000					
Repair Woodland Drive Retaining Wall	10,000	10,000					
Sidewalk Improvement Program	35,000	35,000					



Capital Improvement Plan
Capital Acquisitions, Improvements & Replacement Needs
For Fiscal Year Ending June 30, 2019

Project Description	FY19 Cost	Source of Funding					
		Revenue, Reserves, Fund Balance	Cemetery Fund	Component Units	County Millage	Debt Service	Donations & Grants
LOCAL STREETS							
Woodland Dr. W: N. Ann Arbor to Colony <i>(Mill & Fill)</i>	160,000	0			160,000		
Colony Dr: Waterworks to Colony Ct. <i>(Mill & Fill)</i>	125,300	117,000			8,300		
Lexington Dr: Colony to Lexington Ct. <i>(Mill & Fill)</i>	23,010	23,010					
Lexington Ct: Lexington to N. end <i>(Mill & Fill)</i>	8,700	8,700					
Highland Dr: Mills to Bennett <i>(Reconstruction)</i>	15,000	15,000					
DRINKING WATER							
<u>Water Treatment Plant</u>							
Small Equipment/Computer upgrades	5,000	5,000					
Rough Terrain Forklift (shared with Sewer)	7,000	7,000					
Well Rehabilitation/Improvements (various wells)	50,000	50,000					
Henry Street Water Tower Rehab & Painting	125,000	125,000					
<u>DWRF Replacement</u>							
Chemical Transfer Pumps (4)	5,000	5,000					
High Service Pump	50,000	50,000					
Replace RO Membranes (RO-1)	90,000	90,000					
Booster Replacement (#2)	20,000	20,000					
Radio Transmitter Upgrades	10,000	10,000					
Scada Improvements/Upgrade	10,000	10,000					
Blending Valve Replacement	10,000	10,000					
<u>Water Distribution</u>							
N. Ann Arbor Water main	200,000	200,000					
Air Release Valve (Main #2)	70,000	70,000					
Mills Road: Hydrants (Hollywood to Bennett)	10,000	10,000					
Raw Water Line (WTP to Ann Arbor St)	20,000	20,000					
SANITARY SEWER							
<u>Wastewater Treatment Plant</u>							
Computer/Equipment Upgrades	10,000	10,000					
Rough Terrain Forklift (shared with Water)	3,000	3,000					
PCF Influent Pump VFD (Speed Control)	20,000	20,000					
RBC Drive Replacement	50,000	50,000					
Two (2) Influent Low Pressure Air Compressors	50,000	50,000					
Sauk Trail Lift Station (LDFA #2)	15,000	0		15,000			
Odor Control Project	4,150,000	0		218,000		3,932,000	
Southside Lift Station Pump Replacement (TIFA)	20,000	0		20,000			
Liftstation	20,000	20,000					
Portable Pump Generator	60,000	60,000					
Septage Receiving Construction	5,000	5,000					
WWTP Improvements	20,000	20,000					



Project Description	FY19 Cost	Source of Funding					
		Revenue, Reserves, Fund Balance	Cemetery Fund	Component Units	County Millage	Debt Service	Donations & Grants
SANITARY SEWER (Continued)							
<u>Sewer Collection</u>							
S.A.W. Project (year 3 of 3 year project)	85,000	8,500					76,500
Sanitary Spot Repairs	50,000	50,000					
PROJECT TOTALS FOR FISCAL YEAR 2019	\$6,693,685	\$1,933,245	\$15,000	\$522,840	\$168,300	\$3,932,000	\$122,300



Capital Improvement Plan
Capital Acquisitions, Improvements & Replacement Needs
For Fiscal Year Ending June 30, 2020

Project Description	FY20 Cost	Source of Funding					
		Revenue, Reserves, Fund Balance	Cemetery Fund	Component Units	County Millage	Debt Service	Donations & Grants
GENERAL FUND							
<u>General Government</u>							
City Hall Computer/Equipment upgrades	10,000	10,000					
Facility Lighting Upgrade, Control Sensors	50,000	50,000					
<u>Public Safety</u>							
Police Patrol Vehicle	41,000	41,000					
Police Staff Vehicle	17,000	17,000					
<u>Public Works</u>							
DPW 4X4 Pickup w/Blade, Tailgate	28,500	28,500					
DPW 5-7 CYD Dump/Salt Truck	195,000	195,000					
Street Lights (LED conversion)	40,000	40,000					
DPW/Parks 2 CYD Dump Truck	50,000	50,000					
DPW Radios - Vehicles & Handhelds	20,000	20,000					
DPW Brine System for vehicle #235	9,000	9,000					
<u>Cemetery & Historic District</u>							
Cemetery Improvements TBD	15,000	0	15,000				
Rentschler Farm Improvements TBD	15,000	15,000					
<u>Park Improvements</u>							
Brecon Park Picnic Shelter	25,000	25,000					
Salt Springs Park Improvements	150,000	75,000					75,000
RECREATION COMPLEX							
Pool Area Interior Doors	8,500	8,500					
Pool Area Exit Doors	7,500	7,500					
Video Surveillance Equipment	20,000	20,000					
Parking Lot Improvements (by Pool/Phase 2)	90,000	90,000					
MAJOR STREETS							
Grant/Maple: Clark to Library <i>(Reconstruction project)</i>	510,000	0		135,000			375,000
Grant/N. Industrial: US12 to Woodland <i>(Mill & Fill)</i>	391,050	111,050					280,000
Grant/S. Industrial: US12 to S. end <i>(Mill & Fill)</i>	391,050	22,210		88,840			280,000
US-12 Sidewalk: Bridge to Austin Road <i>(Construct new sidewalk on North side)</i>	170,000	170,000					
Mills Road: Hollywood to Bennett <i>(Reconstruction project)</i>	28,000	28,000					
Sidewalk Improvement Program	25,000	25,000					
LOCAL STREETS							
Lexington Dr: Colony to Lexington Ct. <i>(Mill & Fill)</i>	130,390	130,390					
Lexington Ct: Lexington to N. end <i>(Mill & Fill)</i>	49,300	49,300					
Highland Dr: Mills to Bennett <i>(Reconstruction project)</i>	210,000	38,330			171,670		
Glennbrook: Old Creek to E. end <i>(Mill & Fill)</i>	46,400	46,400					



Capital Improvement Plan
Capital Acquisitions, Improvements & Replacement Needs
For Fiscal Year Ending June 30, 2020

Project Description	FY20 Cost	Source of Funding					
		Revenue, Reserves, Fund Balance	Cemetery Fund	Component Units	County Millage	Debt Service	Donations & Grants
LOCAL STREETS (continued)							
Watson Road <i>(Mill & Fill)</i>	4,000	4,000					
Whittier Court <i>(Reconstruction project)</i>	10,000	10,000					
Nichols: Wallace to S. Harris <i>(Reconstruction project)</i>	27,345	27,345					
Hillcrest: Lawson to S. Harris <i>(Mill & Fill)</i>	12,885	12,885					
Lawson: S. Harris to Hillcrest <i>(Mill & Fill)</i>	9,270	9,270					
DRINKING WATER							
<u>Water Treatment Plant</u>							
Well Rehabilitation/Improvements	30,000	30,000					
Paint Industrial Park Water Tower	70,000	0		70,000			
<u>DWRF Replacement</u>							
Replace RO Membranes (RO-2)	90,000	90,000					
Low Pressure Air Blower	20,000	20,000					
High Pressure Air Compressor	20,000	20,000					
Concentrate Pump Station	100,000	100,000					
Green Sand Filter Media	135,000	135,000					
Setling Ponds Rehabilitation	55,000	55,000					
Electric Room Upgrades	100,000	100,000					
<u>Water Distribution</u>							
Raw Water Line (WTP to Ann Arbor)	215,000	215,000					
Whittier Ct (Nichols to N. End)	8,745	8,745					
Nichols Drive (Wallace to S. Harris)	21,150	21,150					
Hall (US-12 to E McKay)	26,200	26,200					
Watson (NE of Nichols to Chandler)	81,100	81,100					
Wheeler Ct (Lewis to W. End)	48,800	48,800					
SANITARY SEWER							
<u>Wastewater Treatment Plant</u>							
RBC Drive Replacement	30,000	30,000					
Woodland Drive Lift Station Motor Control Replace	25,000	0		25,000			
Four (4) Centrifugal Dry Pit Raw Influent Pumps	85,000	85,000					
Maplewood Lift Station	120,000	120,000					
Huntington Woods Lift Station	70,000	70,000					
<u>Sewer Collection</u>							
Sanitary Spot Repairs	50,000	50,000					
Highland Drive	35,000	35,000					
Eastbelt Capacity Rebuild/Upgrade	35,000	35,000					
Hall (US-12 to E McKay)	5,000	5,000					
PROJECT TOTALS FOR FISCAL YEAR 2020	\$4,282,185	\$2,766,675	\$15,000	\$318,840	\$171,670	\$0	\$1,010,000



Capital Improvement Plan
Capital Acquisitions, Improvements & Replacement Needs
For Fiscal Year Ending June 30, 2021

Project Description	FY21 Cost	Source of Funding					
		Revenue, Reserves, Fund Balance	Cemetery Fund	Component Units	County Millage	Debt Service	Donations & Grants
GENERAL FUND							
<u>General Government</u>							
City Hall Computer/Equipment upgrades	10,000	10,000					
<u>Public Safety</u>							
Police Patrol Vehicle	42,000	42,000					
<u>Public Works</u>							
DPW 4X2 Pickup	27,000	27,000					
DPW Leaf Collection Equipment	35,000	35,000					
DPW Mowers	36,000	36,000					
<u>Cemetery & Historic District</u>							
Cemetery Improvements (Project TBD)	15,000	0	15,000				
Rentschler Farm Improvements (Projects TBD)	15,000	15,000					
<u>Park Improvements</u>							
Projects TBD	0	0					
RECREATION COMPLEX							
Equipment Replacement Program (after trade-in)	65,000	65,000					
Parking Lot Improvements (South Ball Field/Phase 3)	76,590	76,590					
MAJOR STREETS							
City Bridges Rehabilitation Project <i>(Bridges repairs based on prior year's assessment)</i>	400,000	40,000					360,000
Mills Road: Hollywood to Bennett <i>(Reconstruction)</i>	500,000	500,000					
Barnes Ct: Industrial to W. end <i>(Mill & Fill)</i>	120,000	120,000					
E. McKay: N Ann Arbor to Harris <i>(Reconstruction)</i>	30,000	30,000					
Hall: US-12 to E. McKay <i>(Mill & Fill)</i>	6,525	6,525					
Woodland Dr: Davco to Textile <i>(Mill & Fill)</i>	68,010	68,010					
METRO Projects TBD	25,000	25,000					
LOCAL STREETS							
Woodland Dr. W: Bridge repair <i>(Bridge repair based on prior year's assessment)</i>	35,000	3,500					31,500
Watson Road <i>(Mill & Fill)</i>	60,000	60,000					
Whittier Court <i>(Reconstruction)</i>	200,000	24,900			175,100		
Nichols: Wallace to S. Harris <i>(Reconstruction)</i>	154,955	154,955					
Hillcrest: Lawson to S. Harris <i>(Mill & Fill)</i>	73,015	73,015					
Lawson: S. Harris to Hillcrest <i>(Mill & Fill)</i>	52,530	52,530					
Riveroaks Bl: US-12 to S. end <i>(Mill & Fill)</i>	10,830	10,830					
W. McKay: N. Ann Arbor to Lewis <i>(Reconstruction)</i>	20,625	20,625					



Capital Improvement Plan
Capital Acquisitions, Improvements & Replacement Needs
For Fiscal Year Ending June 30, 2021

Project Description	FY21 Cost	Source of Funding					
		Revenue, Reserves, Fund Balance	Cemetery Fund	Component Units	County Millage	Debt Service	Donations & Grants
DRINKING WATER							
<u>Water Treatment Plant</u>							
Small Computer/Equipment Upgrades	5,000	5,000					
Well Rehabilitation/Improvements (various wells)	30,000	30,000					
<u>DWRF Replacement</u>							
Replace Reverse Osmosis Skid	730,000	730,000					
<u>Water Distribution</u>							
Whittier Ct (Nichols to N. End)	49,555	49,555					
Nichols Drive (Wallace to S. Harris)	119,850	119,850					
Radio Towers for Meter Reading (1st of 4 year proj)	25,000	25,000					
Six Trails Loop Replacement	178,750	178,750					
SANITARY SEWER							
<u>Wastewater Treatment Plant</u>							
Small Computer/Equipment Upgrades	10,000	10,000					
PCF Influent Pump VFD (Speed Control)	20,000	20,000					
RBC Drive Replacement	30,000	30,000					
Sauk Trail Lift Station (LDFA #2)	15,000	15,000					
Arboretum Lift Station	50,000	50,000					
Breconshire Lift Station	40,000	40,000					
<u>Sewer Collection</u>							
Sanitary Spot Repairs	50,000	50,000					
Eastbelt Capacity Rebuild/Upgrade	115,000	115,000					
Hall (US-12 to E McKay)	23,100	23,100					
PROJECT TOTALS FOR FISCAL YEAR 2021	\$3,569,335	\$2,987,735	\$15,000	\$0	\$175,100	\$0	\$391,500

Project Description	FY22 Cost	Source of Funding					
		Revenue, Reserves, Fund Balance	Cemetery Fund	Component Units	County Millage	Debt Service	Donations & Grants
GENERAL FUND							
<u>General Government</u>							
City Hall Computer/Equipment upgrades	10,000	10,000					
<u>Public Safety</u>							
Police Patrol Vehicle	43,000	43,000					
<u>Public Works</u>							
TBD	0	0					
<u>Cemetery & Historic District</u>							
Cemetery Improvements - Project TBD	15,000	0	15,000				
Rentschler Farm Improvements - Projects TBD	15,000	15,000					
<u>Park Improvements</u>							
Tefft Park Splash Pad	250,000	250,000					
RECREATION COMPLEX							
Parking Lot Improvements (North Ball Field/Phase 4)	87,145	87,145					
MAJOR STREETS							
E. McKay: N Ann Arbor to Harris <i>(Reconstruction)</i>	170,000	170,000					
Hall: US-12 to E. McKay <i>(Mill & Fill)</i>	36,975	36,975					
Woodland Dr: Davco to Textile <i>(Mill & Fill)</i>	385,390	385,390					
Grant/N. Ann Arbor: Tower Dr to City limits <i>(Reconstruction)</i>	30,000	0		30,000			
METRO Projects TBD	25,000	25,000					
LOCAL STREETS							
Riveroaks Bl: US-12 to S. end <i>(Mill & Fill)</i>	61,370	61,370					
W. McKay: N. Ann Arbor to Lewis <i>(Reconstruction)</i>	116,875	116,875					
Bassett Dr: Harper to N. Harris <i>(Reconstruction)</i>	190,000	11,400			178,600		
Hollywood Drive <i>(Reconstruction)</i>	200,000	200,000					
Marion Court <i>(Mill & Fill)</i>	60,000	60,000					
DRINKING WATER							
<u>Water Treatment Plant</u>							
Well Rehabilitation/Improvements	30,000	30,000					
<u>DWRF Replacement</u>							
RO Membranes (RO-1)	90,000	90,000					
Contingency/Projects TBD (anticipate \$200,000/year)	110,000	110,000					
<u>Water Distribution</u>							
Radio Towers for Meter Reading (2nd of 4 year proj)	25,000	25,000					
Heritage (Breconshire to Lexington)	98,200	98,200					



Capital Improvement Plan
 Capital Acquisitions, Improvements & Replacement Needs
 For Fiscal Year Ending June 30, 2022

Project Description	FY22 Cost	Source of Funding					
		Revenue, Reserves, Fund Balance	Cemetery Fund	Component Units	County Millage	Debt Service	Donations & Grants
SANITARY SEWER							
<u>Wastewater Treatment Plant</u>							
RBC Drive Replacement	30,000	30,000					
<u>Sewer Collection</u>							
Sanitary Spot Repairs	50,000	50,000					
Project TBD	0	0					
Project TBD	0	0					
PROJECT TOTALS FOR FISCAL YEAR 2022	\$2,128,955	\$1,905,355	\$15,000	\$30,000	\$178,600	\$0	\$0

Project Description	FY23 Cost	Source of Funding					
		Revenue, Reserves, Fund Balance	Cemetery Fund	Component Units	County Millage	Debt Service	Donations & Grants
GENERAL FUND							
<u>General Government</u>							
City Hall Computer/Equipment upgrades	10,000	10,000					
<u>Public Safety</u>							
Police Patrol Vehicle	44,000	44,000					
<u>Public Works</u>							
Projects TBD	0	0					
<u>Cemetery & Historic District</u>							
Cemetery Improvements - Projects TBD	15,000	0	15,000				
Rentschler Farm Improvements - Projects TBD	15,000	15,000					
<u>Park Improvements</u>							
Projects TBD	0	0					
RECREATION COMPLEX							
Projects TBD	0	0					
MAJOR STREETS							
Grant/N. Ann Arbor: Tower Dr to City limits <i>(Reconstruction)</i>	480,000	0		130,000			350,000
Grant/S. Ann Arbor: Henry to Willis <i>(Mill & Fill)</i>	30,000	0		30,000			
METRO Projects TBD	25,000	25,000					
LOCAL STREETS							
Marpool and Woodhill <i>(Mill & Fill)</i>	400,000	400,000					
Projects TBD	0	0					
DRINKING WATER							
<u>Water Treatment Plant</u>							
Small Equipment/Computer Upgrades	5,000	5,000					
Well Rehabilitation/Improvements	30,000	30,000					
<u>DWRF Replacement</u>							
RO Membranes (RO-2)	90,000	90,000					
High Pressure Air Compressor	10,000	10,000					
Contingency/Projects TBD (anticipate \$200,000/year)	100,000	100,000					
<u>Water Distribution</u>							
Radio Towers for Meter Reading (3rd of 4 year proj)	25,000	25,000					
Transmain #2 (WTP to Bennett)	202,400	202,400					
Lewis Street (US-12 to W. Henry)	34,750	34,750					
High Pressure Compressors (2)	10,000	10,000					

Project Description	FY23 Cost	Source of Funding					
		Revenue, Reserves, Fund Balance	Cemetery Fund	Component Units	County Millage	Debt Service	Donations & Grants
SANITARY SEWER							
<u>Wastewater Treatment Plant</u>							
Small Equipment/Computer Upgrades	10,000	10,000					
PCF Influent Pump VFD (Speed Control)	20,000	20,000					
RBC Drive Replacement	30,000	30,000					
Sauk Trail Lift Station (LDFA #2)	15,000	0		15,000			
UV Lights/Disinfecting Units (3)	225,000	225,000					
Polymer Feed System	35,000	35,000					
High Pressure Air Compressor	10,000	10,000					
<u>Sewer Collection</u>							
Sanitary Spot Repairs	50,000	50,000					
Projects TBD	0	0					
PROJECT TOTALS FOR FISCAL YEAR 2023	\$1,921,150	\$1,381,150	\$15,000	\$175,000	\$0	\$0	\$350,000



Capital Improvement Plan
Capital Acquisitions, Improvements & Replacement Needs
For Fiscal Year Ending June 30, 2024

Project Description	FY24 Cost	Source of Funding					
		Revenue, Reserves, Fund Balance	Cemetery Fund	Component Units	County Millage	Debt Service	Donations & Grants
GENERAL FUND							
<u>General Government</u>							
City Hall Computer/Equipment upgrades	10,000	10,000					
<u>Public Safety</u>							
Police Patrol Vehicle	45,000	45,000					
<u>Public Works</u>							
Projects TBD	0	0					
<u>Cemetery & Historic District</u>							
Cemetery Improvements - Projects TBD	15,000	0	15,000				
Rentschler Farm Improvements - Projects TBD	15,000	15,000					
<u>Park Improvements</u>							
Projects TBD	0	0					
RECREATION COMPLEX							
Equipment Replacement Program (after trade-in)	65,000	65,000					
MAJOR STREETS							
Grant/S. Ann Arbor: Henry to Willis <i>(Mill & Fill)</i>	800,000	0		150,000			650,000
Projects TBD <i>(Reconstruction or Mill & Fill)</i>	0	0					
METRO Projects TBD	25,000	25,000					
LOCAL STREETS							
Oakbrook Ct: Old Creek to W. end <i>(Mill & Fill)</i>	53,000	53,000					
Washington: Austin Dr to N. end <i>(New construction)</i>	43,100	43,100					
Austin Drive: St. Andrew to E. end <i>(Reconstruction)</i>	156,400	156,400					
DRINKING WATER							
<u>Water Treatment Plant</u>							
Well Rehabilitation/Improvements	30,000	30,000					
Projects TBD	0	0					
<u>DWRF Replacement</u>							
Contingency/Projects TBD (anticipate \$200,000/year)	200,000	200,000					
<u>Water Distribution</u>							
Radio Towers for Meter Reading (4th of 4 year proj)	25,000	25,000					
Projects TBD	0	0					
SANITARY SEWER							
<u>Wastewater Treatment Plant</u>							
RBC Drive Replacement	30,000	30,000					
Projects TBD	0	0					
<u>Sewer Collection</u>							
Sanitary Spot Repairs	50,000	50,000					
Projects TBD	0	0					
PROJECT TOTALS FOR FISCAL YEAR 2024	\$1,562,500	\$747,500	\$15,000	\$150,000	\$0	\$0	\$650,000

Capital Improvement Plan by Fund





Capital Improvement Plan
General Fund
For Fiscal Years Ending June 30, 2019-2024

USE OF FUNDS	FY19	FY20	FY21	FY22	FY23	FY24	TOTALS
GENERAL GOVERNMENT							
Communication Systems Upgrade	12,000						12,000
Upgrade Conference Rooms to HD (City/Police)	20,000						20,000
Fiber Optic Connection	50,000						50,000
Relocate Power Lines	105,000						105,000
Facility Lighting Upgrade, Control Sensors		50,000					50,000
Upgrade Equipment/Computers (as needed)		10,000	10,000	10,000	10,000	10,000	50,000
PUBLIC SAFETY							
Police Patrol Vehicle	40,000	41,000	42,000	43,000	44,000	45,000	255,000
Grant/Bullet-Proof Vests	3,575						3,575
Police Staff Vehicle		17,000					17,000
PUBLIC WORKS							
S.A.W. Program (Stormwater)	40,000						40,000
DPW 4X4 Pickup w/Blade, Tailgate	35,500	28,500					64,000
DPW 5-7 CYD Dump/Salt Truck	220,000	195,000					415,000
Street Lights (LED conversion)		40,000					40,000
DPW/Parks 2 CYD Dump Truck		50,000					50,000
DPW Radios - Vehicles & Handhelds		20,000					20,000
DPW Brine System for vehicle #235		9,000					9,000
DPW/Parks Used Aerial Bucket							0
DPW 4X2 Pickup			27,000				27,000
DPW Leaf Collection Equipment			35,000				35,000
DPW Mowers			36,000				36,000
CEMETERY & HISTORIC DISTRICT							
Cemetery Landscaping: Trees and Shrubs	5,000						5,000
Cemetery Irrigation project (extend water lines)	10,000						10,000
Cemetery (Projects TBD)		15,000	15,000	15,000	15,000	15,000	75,000
Rentschler Farm Improvements (Projects TBD)	15,000	15,000	15,000	15,000	15,000	15,000	90,000
PARKS & PARKING LOTS							
Millpond Bathroom Rehab	5,000						5,000
Millpond Park Small Dog Area	9,000						9,000
Curtiss Park Pavillion Repair/Replacement	30,000						30,000
Peoples Park Tennis Courts	90,000						90,000
Brecon Park Path projects (new & existing)	25,000						25,000
Parking Lot #1 - Light Conversion	25,000						25,000
Brecon Park Picnic Shelter		25,000					25,000
Salt Springs Park Improvements		150,000					150,000
Tefft Park Splash Pad				250,000			250,000
	\$740,075	\$665,500	\$180,000	\$333,000	\$84,000	\$85,000	\$2,087,575



Capital Improvement Plan
General Fund
For Fiscal Years Ending June 30, 2019-2024

SOURCE OF FUNDS	FY19	FY20	FY21	FY22	FY23	FY24	TOTALS
Donations:							0
Cemetery Perpetual Care Fund	15,000	15,000	15,000	15,000	15,000	15,000	90,000
Historic Preservation Grant: Cemetery Projects							0
Historic Preservation Grant: Rentschler Farm							0
CARES Grant-Brecon Park Play Structure							0
Community Health Grant? (Salt Springs Park)		75,000					75,000
S.A.W. Grant	36,000						36,000
Public Safety Grant	4,656	1,856	1,856				8,368
TIFA: Millpond Park	14,000						14,000
TIFA: Curtiss Park	30,000						30,000
TIFA: Peoples Park Tennis Courts	90,000						90,000
TIFA: Parking Lot #1 Lighting Rehab	25,000						25,000
TOTAL FUNDING SOURCES:	214,656	91,856	16,856	15,000	15,000	\$15,000	\$368,368

Forecasted Available Fund Balance for CIP Projects ¹	\$2,719,657	\$2,670,866	\$2,920,316	\$3,502,343	\$3,915,814	\$4,629,460	
Funds from General Fund Needed for CIP Projects	\$525,419	\$573,644	\$163,144	\$318,000	\$69,000	\$70,000	\$1,719,207
Excess(Deficit) Unassigned Year End Fund Balance	\$2,194,238	\$2,097,222	\$2,757,172	\$3,184,343	\$3,846,814	\$4,559,460	

¹ Beginning Year Fund Balance + Revenues - Expenditures *before* Capital Improvement project costs



Capital Improvement Plan
Recreation Complex
For Fiscal Years Ending June 30, 2019-2024

USE OF FUNDS	FY19	FY20	FY21	FY22	FY23	FY24	TOTALS
Resurface Pool Deck/Flooring	60,000						60,000
Reseal Pool Bottom (Marcite coating)	55,000						55,000
Pool Area Interior Doors	8,500	8,500					17,000
Grant/Batting Cages	7,000						7,000
Pool Area Exit Doors		7,500					7,500
Video Surveillance Equipment		20,000					20,000
Parking Lot Improvements (by Pool/Phase 2)		90,000					90,000
Equipment Replacement Program (after trade-in)			65,000			65,000	130,000
Parking Lot Improvements (South Ball Field/Phase 3)			76,590				76,590
Parking Lot Improvements (North Ball Field/Phase 4)				87,145			87,145
Facility &/or Equipment Upgrades TBD							0
TOTAL RECREATION COMPLEX PROJECTS:	\$130,500	\$126,000	\$141,590	\$87,145	\$0	\$65,000	\$550,235

SOURCE OF FUNDS	FY19	FY20	FY21	FY22	FY23	FY24	TOTALS
Donations							0
C.A.R.E.S. Grant: Batting Cages	7,000						7,000
Community Health Grant							0
Bond							0
TOTAL FUNDING SOURCES:	\$7,000	\$0	\$0	\$0	\$0	\$0	\$7,000

Forecasted Available Fund Balance for CIP Projects ¹	\$548,356	\$431,782	\$302,073	\$150,874	\$47,889	\$20,534	
Recreation Complex Funds Needed for CIP Projects	\$123,500	\$126,000	\$141,590	\$87,145	\$0	\$65,000	\$543,235
Excess(Deficit) Year End Fund Balance	\$424,856	\$305,782	\$160,483	\$63,729	\$47,889	(\$44,466)	

¹ Beginning Year Fund Balance + Revenues - Expenditures *before* Capital Improvement project costs



USE OF FUNDS	FY19	FY20	FY21	FY22	FY23	FY24	TOTALS
STREET PROJECTS							
Grant/Maple: Clark to Library	90,000	510,000					600,000
Grant/N. Industrial: US12 to Woodland	26,050	391,050					417,100
Grant/S. Industrial: US12 to S. end	26,050	391,050					417,100
US-12 Sidewalk: Bridge to Austin Road	30,000	170,000					200,000
City Bridges Rehabilitation Project	34,000		400,000				434,000
Mills Road: Hollywood to Bennett		28,000	500,000				528,000
Barnes Ct: Industrial to W. end			120,000				120,000
E. McKay: N Ann Arbor to Harris			30,000	170,000			200,000
Hall: US-12 to E. McKay			6,525	36,975			43,500
Woodland Dr: Davco to Textile			68,010	385,390			453,400
Grant/N. Ann Arbor: Tower Dr to City limits				30,000	480,000		510,000
Grant/S. Ann Arbor: Henry to Willis					30,000	800,000	830,000
TOTAL MAJOR STREETS PROJECTS:	\$206,100	\$1,490,100	\$1,124,535	\$622,365	\$510,000	\$800,000	\$4,753,100
METRO FUND PROJECTS							
Sidewalk Improvement Program	35,000	25,000	25,000	25,000	25,000	25,000	160,000
Repair Woodland Drive Retaining Wall	10,000	0	0	0	0	0	10,000
TOTAL METRO FUND PROJECTS:	\$45,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$170,000
TOTAL MAJOR STREETS & METRO FUND PROJECTS:	\$251,100	\$1,515,100	\$1,149,535	\$647,365	\$535,000	\$825,000	\$4,923,100

SOURCE OF FUNDS	FY19	FY20	FY21	FY22	FY23	FY24	TOTALS
County Millage: (used in Local Streets FY19-FY22)							0
Grant: N. Industrial & S. Industrial		560,000					560,000
Grant: Maple Road		375,000					375,000
Grant: Bridge Rehabilitation			360,000				360,000
Grant: N. Ann Arbor					350,000		350,000
Grant: S. Ann Arbor						650,000	650,000
TIFA: Maple Road	90,000	135,000					225,000
TIFA: N. Industrial Drive							0
TIFA: N. Ann Arbor				30,000	130,000		160,000
TIFA: S. Ann Arbor					30,000	150,000	180,000
LDFA#2: S. Industrial	20,840	88,840					109,680
LDFA#2:							0
TOTAL SOURCES OF FUNDS:	\$110,840	\$1,158,840	\$360,000	\$30,000	\$510,000	\$800,000	\$2,969,680

Forecasted Available Fund Balance for CIP Projects ¹	\$1,116,646	\$1,080,647	\$1,063,527	\$653,301	\$448,904	\$871,871	
Net Major Street Funds Need for Street Projects	\$95,260	\$331,260	\$764,535	\$592,365	\$0	\$0	\$1,783,420
Excess(Deficit) Year End Fund Balance	\$1,021,386	\$749,387	\$298,992	\$60,936	\$448,904	\$871,871	
Forecasted "Assigned Sauk Trail"	\$211,000	\$261,000	\$283,998	\$283,998	\$283,998	\$283,998	
Potential Excess(Deficit) Year End Fund Balance	\$1,232,386	\$1,010,387	\$582,990	\$344,934	\$732,902	\$1,155,869	

Forecasted Available Fund Balance for CIP Projects ¹	\$78,894	\$61,894	\$64,894	\$67,894	\$70,894	\$73,894	
NET Cost of METRO Projects	\$45,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$170,000
Excess(Deficit) Year End Fund Balance	\$33,894	\$36,894	\$39,894	\$42,894	\$45,894	\$48,894	

¹ Beginning Year Fund Balance + Revenues - Expenditures before Capital Improvement project costs



USE OF FUNDS	FY19	FY20	FY21	FY22	FY23	FY24	TOTALS
Woodland Dr. W: N. Ann Arbor to Colony; + Bridge	160,000		35,000	(bridge portion)			195,000
Colony Dr: Waterworks to Colony Ct.	125,300						125,300
Lexington Dr: Colony to Lexington Ct.	23,010	130,390					153,400
Lexington Ct: Lexington to N. end	8,700	49,300					58,000
Highland Dr: Mills to Bennett	15,000	210,000					225,000
Glennbrook: Old Creek to E. end		46,400					46,400
Watson Road		4,000	60,000				64,000
Whittier Court		10,000	200,000				210,000
Nichols: Wallace to S. Harris		27,345	154,955				182,300
Hillcrest: Lawson to S. Harris		12,885	73,015				85,900
Lawson: S. Harris to Hillcrest		9,270	52,530				61,800
Riveroaks Bl: US-12 to S. end			10,830	61,370			72,200
W. McKay: N. Ann Arbor to Lewis			20,625	116,875			137,500
Bassett Dr: Harper to N. Harris				190,000			190,000
Hollywood Drive				200,000			200,000
Marion Court				60,000			60,000
Marpool and Woodhill					400,000		400,000
Oakbrook Ct: Old Creek to W. end						53,000	53,000
Washington: Austin Dr to N. end						43,100	43,100
Austin Drive: St. Andrew to E. end						156,400	156,400
TOTAL LOCAL STREETS PROJECTS:	\$332,010	\$499,590	\$606,955	\$628,245	\$400,000	\$252,500	\$2,719,300

SOURCE OF FUNDS	FY19	FY20	FY21	FY22	FY23	FY24	TOTALS
County Millage: Various Projects	168,300	171,670	175,100	178,600	0	0	693,670
TIFA:							0
TOTAL SOURCES OF FUNDS:	\$168,300	\$171,670	\$175,100	\$178,600	\$0	\$0	\$693,670

Forecasted Available Fund Balance for CIP Projects ¹	\$256,233	\$359,514	\$123,840	(\$202,361)	(\$535,219)	(\$806,675)	
Net Local Street Funds Needed for CIP Projects	\$163,710	\$327,920	\$431,855	\$449,645	\$400,000	\$252,500	\$2,025,630
Excess(Deficit) Year End Fund Balance	\$92,523	\$31,594	(\$308,015)	(\$652,006)	(\$935,219)	(\$1,059,175)	

¹ Beginning Year Fund Balance + Revenues - Expenditures before Capital Improvement project costs



Capital Improvement Plan
Drinking Water
For Fiscal Years Ending June 30, 2019-2024

USE OF FUNDS	FY19	FY20	FY21	FY22	FY23	FY24	TOTALS
WATER TREATMENT PLANT/DWRF REPLACEMENT							
Computer/Equipment Upgrades	5,000		5,000		5,000		15,000
Rough Terrain Forklift (shared with Sewer)	7,000						7,000
Well Rehabilitation/Improvements (various wells)	50,000	30,000	30,000	30,000	30,000	30,000	200,000
Henry Street Water Tower Rehab & Painting	125,000						125,000
Paint Industrial Park Water Tower (TIFA)		70,000					70,000
DWRF Replacement: (4) Chemical Transfer Pumps	5,000						5,000
DWRF Replacement: High Service Pump (#1 & #2)	50,000						50,000
DWRF Replacement: RO Membranes (RO-1, RO-2)	90,000	90,000		90,000	90,000		360,000
DWRF Replacement: Booster Replacement (#1 & #2)	20,000						20,000
DWRF Replacement: Radio Transmitter Upgrades	10,000						10,000
DWRF Replacement: Scada Improvements/Upgrade	10,000						10,000
DWRF Replacement: Blending Valve	10,000						10,000
DWRF Replacement: Low Pressure Air Blower		20,000					20,000
DWRF Replacement: High Pressure Air Compressor		20,000			10,000		30,000
DWRF Replacement: Concentrate Pump Station		100,000					100,000
DWRF Replacement: Green Sand Filter Media		135,000					135,000
DWRF Replacement: Settling Ponds Rehabilitation		55,000					55,000
DWRF Replacement: Electric Room Upgrades		100,000					100,000
DWRF Replacement: Replace Reverse Osmosis Skid			730,000				730,000
DWRF Replacement: Contingency/TBD	5,000	0	0	110,000	100,000	200,000	415,000

WATER DISTRIBUTION							
N. Ann Arbor Water main	200,000						200,000
Air Release Valve (Main #2)	70,000						70,000
Mills Road: Hydrants (Hollywood to Bennett)	10,000						10,000
Raw Water Line (WTP to Ann Arbor)	20,000	215,000					235,000
Whittier Ct (Nichols to N. End)		8,745	49,555				58,300
Nichols Drive (Wallace to S. Harris)		21,150	119,850				141,000
Hall (US-12 to E McKay)		26,200					26,200
Watson (NE of Nichols to Chandler)		81,100					81,100
Wheeler Ct (Lewis to W. End)		48,800					48,800
Radio Towers for Meter Reading			25,000	25,000	25,000	25,000	100,000
Six Trails Loop Replacement			178,750				178,750
Heritage (Breconshire to Lexington)				98,200			98,200
Transmain #2 (WTP to Bennett)					202,400		202,400
Lewis Street (US-12 to W. Henry)					34,750		34,750
High Pressure Compressors (2)					10,000		10,000
TOTAL DRINKING WATER PROJECTS:	\$687,000	\$1,020,995	\$1,138,155	\$353,200	\$507,150	\$255,000	\$3,961,500

SOURCE OF FUNDS	FY19	FY20	FY21	FY22	FY23	FY24	TOTALS
Grant/MDOT: US-12 Project (Monroe to Maple)							0
Old National Installment Loan							0
TIFA: Industrial Park Water Tower Rehab		70,000					70,000
LDFA2:							0
TOTAL SOURCES OF FUNDS:	\$0	\$70,000	\$0	\$0	\$0	\$0	\$70,000

Forecasted Working Capital to support CIP Projects	\$2,320,505	\$1,971,679	\$1,884,176	\$1,667,114	\$1,884,907	\$1,939,290	
Drinking Water Funds Needed for CIP Projects	\$687,000	\$950,995	\$1,138,155	\$353,200	\$507,150	\$255,000	\$3,891,500



Capital Improvement Plan
Sanitary Sewer
For Fiscal Years Ending June 30, 2019-2024

SANITARY SEWER PROJECTS	FY19	FY20	FY21	FY22	FY23	FY24	TOTALS
WASTEWATER TREATMENT PLANT							
Computer/Equipment Upgrades	10,000		10,000		10,000		30,000
Rough Terrain Forklift (shared with Water)	3,000						3,000
PCF Influent Pump VFD (Speed Control)	20,000		20,000		20,000		60,000
RBC Drive Replacement	50,000	30,000	30,000	30,000	30,000	30,000	200,000
Two (2) Influent Low Pressure Air Compressors	50,000						50,000
Sauk Trail Lift Station (LDFA #2)	15,000		15,000		15,000		45,000
Odor Control Project	4,150,000						4,150,000
Southside Lift Station Pump Replacement (TIFA)	20,000						20,000
Liftstation	20,000						20,000
Portable Pump Generator	60,000						60,000
Septage Receiving Construction	5,000						5,000
WWTP Improvements	20,000						20,000
Woodland Drive Lift Station Motor Control Replace		25,000					25,000
Four (4) Centrifugal Dry Pit Raw Influent Pumps		85,000					85,000
Maplewood Lift Station		120,000					120,000
Huntington Woods Lift Station		70,000					70,000
Arboretum Lift Station			50,000				50,000
Breconshire Lift Station			40,000				40,000
UV Lights/Disinfecting Units (3)					225,000		225,000
Polymer Feed System					35,000		35,000
High Pressure Air Compressor					10,000		10,000

SEWER COLLECTION							
S.A.W. Project (year 3 of 3 year project)	85,000						85,000
Sanitary Spot Repairs	50,000	50,000	50,000	50,000	50,000	50,000	300,000
Highland Drive		35,000					35,000
Eastbelt Capacity Rebuild/Upgrade		35,000	115,000				150,000
Hall (US-12 to E McKay)		5,000	23,100				28,100
TOTAL SANITARY SEWER PROJECTS:	\$4,558,000	\$455,000	\$353,100	\$80,000	\$395,000	\$80,000	\$5,921,100

SOURCES OF FUNDS	FY19	FY20	FY21	FY22	FY23	FY24	TOTALS
Grant: S-2							0
S.A.W. Grant	76,500						76,500
State Revolving Fund Loan (SRF)	4,150,000						4,150,000
Old National Installment Loan							0
TIFA: Woodland Dr Lift Station Motor Controls		25,000					25,000
TIFA: Southside Lift Pump	20,000						20,000
LDFA2: Industrial Lift Pump	15,000		15,000		15,000		45,000
TOTAL SOURCES OF FUNDS:	\$4,261,500	\$25,000	\$15,000	\$0	\$15,000	\$0	\$4,316,500

Forecasted Working Capital to support CIP Projects	\$1,339,298	\$1,624,084	\$1,390,706	\$1,234,310	\$1,394,533	\$1,008,111	
Sanitary Sewer Funds Needed for CIP Projects	\$296,500	\$430,000	\$338,100	\$80,000	\$380,000	\$80,000	\$1,604,600

Capital Improvement Plan Glossary



CARES – Cultural Arts, Recreation, Enrichment, and Senior Citizens:

CARES millage provides funding for recreational programs and facilities that enhance the life of the residents within the Saline Area School Districts.

CIP – Capital Improvement Plan (Program):

A short-range plan, usually four to ten years, which identifies capital projects and equipment purchases, provides a planning schedule and identifies options for financing the plan projects.

CMAQ Grant – Congestion Mitigation and Air Quality Improvement Program:

A federally-funded program that provides support for surface transportation projects, environmental projects, and other related efforts that contribute to air quality improvements and provide congestion relief.

DPW – Department of Public Works:

The City's Department of Public Works is responsible for the maintenance and repair of city streets, sidewalks, vehicles, parks, cemetery, and utility systems (water distribution and sewer collection). The DPW also coordinates with Waste Management for the city trash removal services, Detroit Edison for street lighting issues and event organizers to provide support for community events.

DWRF – Drinking Water Revolving Fund:

Michigan's Drinking Water Revolving Fund program provides low cost financing to qualified municipalities for drinking water projects.

LDFA – Local Development Finance Authority:

LDFA was created 7/6/87 per Public Act 281 of 1986 to promote economic development of manufacturing firms and promote high technology development. The authority captures a portion of the tax increment revenue, which is the amount of additional taxes collected due to growth in taxable valuation of property in the LDFA district in relation to the initial (base year) taxable valuation. The authority pays a share of the bond costs for roads and utilities serving the LDFA district.

MDOT – Michigan Department of Transportation:

The Michigan Department of Transportation has jurisdiction over Michigan's 120,000 mile highway, road and street networks, administers other state and federal transportation programs, and is responsible for developing and implementing a comprehensive transportation plan for the entire state that includes all modes of transportation.

RBC – Rotating Biological Contractor:

A biological treatment process used in the treatment of wastewater. The RBC process involves allowing the wastewater to come in contact with a biological medium in order to remove pollutants in the wastewater before being discharged to the environment.

RO – Reverse Osmosis:

A water purification technology that uses a semipermeable membrane to remove certain minerals and chemicals from our drinking water supply.

S2 Grant – Sanitary Sewer grant:

State Grant program created specifically with the intent of accelerating the progress of water pollution control efforts and provide financial assistance for the planning and design of sewage treatment projects, stormwater treatment projects, and for user charge system development (a system used to determine rates or charges).

S.A.W. Program – Stormwater, Asset Management, and Wastewater:

State program created to establish grants and low-interest loans for stormwater plan development, sewage collection and treatment plan development, and asset management plan development that outline cost-effective improvements, operation and maintenance measures. State funded low-interest loans can be used to cover the construction costs for projects identified in the asset management plans.

SCADA – Supervisory Control and Data Acquisition:

SCADA is a type of Industrial Control System that monitors and controls large-scale industrial processes and gathers data in real-time in order to control equipment and conditions. SCADA will sound warnings when conditions become hazardous.

SRF – State Revolving Fund:

Michigan’s State Revolving Fund was created for the purpose of providing low-interest loans to assist qualified local municipalities with the construction of needed wastewater facilities and improvement projects.

TIFA – Tax Increment Finance Authority:

TIFA was created 4/19/82 per Public Act 450 of 1980 to attract industrial development as well as to encourage commercial redevelopment in the downtown and other existing commercially developed areas. The authority captures a portion of the tax increment revenue, which is the amount of additional taxes collected due to growth in taxable valuation of property in the TIFA district in relation to the initial (base year) taxable valuation. The authority pays for street construction in the TIFA district, a share of bond costs for roads and utilities, park improvements, and utility improvements in development areas.

VAV – Variable Air Volume:

VAV describes a method of temperature control characterized by a supply air stream of constant temperature and a modulation of the amount of air that serves a particular space. It is both an effective and economical means of temperature control.

VFD – Variable Frequency Drive:

Equipment used to control the motor speed of machinery. Where process conditions require adjustment of flow from a pump or fan, varying the speed saves energy compared to other techniques for flow control.

WTP – Water Treatment Plant:

The City’s Water Treatment Plant has a daily maximum output capacity of 3.5 million gallons and produces on average 1.2 million gallons per day. The plant removes harmful contaminants and hardness from the drinking water. Water testing is performed daily and monitoring for contaminants is done on a regular basis to ensure the quality of the water.

WWTP – Wastewater Treatment Plant:

The City’s Wastewater Treatment Plant (also called Pollution Control Facility or PCF) treats an average of 1.2 million gallons of wastewater per day. Treatment is accomplished through a combination of biological, chemical and physical processes.

