

2020 Wastewater Capital Improvement - Project Summary Sources of Funds

Trust Funds (Balance as of 12/31/19)	
Wastewater Capital Improvement Fund	\$ 26,903,340
2013 Rev Replacement & Improvement Fund	\$ 2,203,516
2013 Reserve release with Bond Payoff in 2021	\$ 2,080,000
County Held Operating fund over \$2.0M	\$ 772,325
Total On Hand	\$ 31,959,181

Additional Funds	
From Operations for Capital Contribution (Est from historical averages)	\$ 500,000
From Operations for Capital Contribution Debt service funds not needed in	\$ 8,100,000
From Operations Principle & Interest Newtonsville \$8m/40yr Loan	\$ (990,797)
From Operations - System Capacity Charges (From 5 yr average)	\$ 11,500,000
Assessment Bonds/Notes/Private Funds - Future Projects(2019-2023)	\$ 1,393,450
Contribution to Meter Replacement	\$ (140,175)
Grants (OPWC, USDA, Duke)	\$ 3,930,975
OPWC (Issue II) & USDA/RD Loans	\$ 8,218,000
Total Source of Funds	\$ 64,470,634

Replacement & Improvement Requirement eliminated in 2022 with payoff of revenue bonds	
Capital Improvement Fund Contingency	\$ (5,000,000)
Available Funding for 2020 - 2024 Construction Projects:	\$ 59,470,634

Trust Funds not included above are not available for construction purposes (i.e. Bond Fund Interest, Bond Fund Principal, Escrow Funds)

2020 Wastewater Capital Improvement - Project Summary

	Description	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total	*Adj. 5 yr. Total
6402-	Arc Flash Analysis & Labeling	250,000	-	250,000	-	-	-	-	-	250,000	250,000
6402-60168	Arrowhead Wastewater Treatment Plant Elimination	3,630,000	88,100	261,700	1,510,000	1,770,200	-	-	-	3,630,000	3,541,900
6402-60179	Bach Buxton Sewer Extension	140,130	140,130	-	-	-	-	-	-	140,130	-
6402-60183	Backbone Creek Sewer Replacement	580,800	-	280,800	300,000	-	-	-	-	580,800	580,800
6402-60160	Bethel Area Sewer Replacement - Phase II	342,150	38,150	304,000	-	-	-	-	-	342,150	304,000
6402-	Bethel Lift Station EQ Facility	3,360,000	-	240,000	3,120,000	-	-	-	-	3,360,000	3,360,000
6402-60185	Bio-Solids Management Evaluation	43,000	-	43,000	-	-	-	-	-	43,000	43,000
6402-60173	Branch Hill Guinea Road Sewer Petition	126,840	5,840	121,000	-	-	-	-	-	126,840	121,000
6402-62002	Collection System Rehabilitation	6,950,000	-	-	-	600,000	2,000,000	2,000,000	2,350,000	6,950,000	4,600,000
6402-62007	Collection System Rehabilitation - 2018	3,070,500	2,818,000	252,500	-	-	-	-	-	3,070,500	252,500
6402-	Collection System Rehabilitation - 2019	549,000	-	549,000	-	-	-	-	-	549,000	549,000
6402-	Collection System Rehabilitation - Locust Lake and Bethel Areas	4,400,000	-	-	4,400,000	-	-	-	-	4,400,000	4,400,000
6402-	Commercial Revenue Enhancement	600,000	-	100,000	100,000	100,000	100,000	100,000	100,000	600,000	500,000
6402-	Computerized Maintenance Management System (CMMS)	150,000	-	-	-	150,000	-	-	-	150,000	150,000
6402-	Crescent Drive Lift Station Elimination	170,000	-	-	-	35,000	135,000	-	-	170,000	170,000
6402-60174	Deblin Drive Sewer Replacement	124,300	12,300	112,000	-	-	-	-	-	124,300	112,000
6402-60161	Deerfield Road Sewer Petition	202,400	5,400	4,000	193,000	-	-	-	-	202,400	197,000
6402-	Derbyshire Area SSES	75,000	-	25,000	50,000	-	-	-	-	75,000	75,000
6402-	Environmental Upgrades - WWTP's	4,070,000	-	-	-	-	-	-	4,070,000	4,070,000	-
6402-	Glendale and Glen Willow Sewer Replacement	470,000	-	-	70,000	400,000	-	-	-	470,000	470,000
6402-60169	Greenbriar Lift Station Improvements	1,178,960	83,060	568,800	527,100	-	-	-	-	1,178,960	1,095,900
6402-60103	Hall Run Sewer Replacement & EQ Expansion	3,013,690	13,690	-	-	-	-	-	3,000,000	3,013,690	-
6402-	Indianview Lift Station Improvements	429,240	39,240	15,000	25,000	350,000	-	-	-	429,240	390,000
6402-	Jenny Lind & Denny Drive Sewer Relocation	120,000	-	15,000	105,000	-	-	-	-	120,000	120,000
6402-60170	Lewis Road Trunk Sewer	1,506,400	98,810	84,590	610,000	713,000	-	-	-	1,506,400	1,407,590
6402-	Liftstation Improvements	630,000	-	120,000	120,000	120,000	120,000	150,000	-	630,000	630,000
6402-60143	LIMS/WIMS Upgrades	46,590	39,850	6,740	-	-	-	-	-	46,590	6,740
6402-60141	Locust Lake Lift Station and Conveyance Improvements	1,894,280	129,980	1,764,300	-	-	-	-	-	1,894,280	1,764,300
6402-	Lower East Fork WWTP Expansion	14,150,000	-	-	-	-	-	650,000	13,500,000	14,150,000	650,000
6402-	Madingley Falls Sewer Oversizing	63,890	-	63,890	-	-	-	-	-	63,890	63,890
6402-	Middle East Fork WWTP Improvements	3,267,000	-	50,000	-	215,000	3,002,000	-	-	3,267,000	3,267,000
6402-	Moeller Sewer Extension	150,000	-	150,000	-	-	-	-	-	150,000	150,000
6402-60116	Newtonville Collection System Assessment	7,197,050	499,350	285,900	4,070,900	2,340,900	-	-	-	7,197,050	6,697,700
6402-60117	Newtonville WWTP	5,242,660	556,900	30,000	3,312,600	1,343,160	-	-	-	5,242,660	4,685,760
6402-60148	Nine Mile Collection System Improvements	5,688,300	79,400	163,900	2,145,000	3,300,000	-	-	-	5,688,300	5,608,900
6402-60171	Nine Mile WWTP Improvements	1,369,130	60,630	106,500	1,202,000	-	-	-	-	1,369,130	1,308,500

2020 Wastewater Capital Improvement - Project Summary

	Description	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total	*Adj. 5 yr. Total
6402-60133	O'Bannon Trunk Sewer Improvements	3,448,900	198,900	-	-	400,000	2,850,000	-	-	3,448,900	3,250,000
6402-	O'Bannon WWTP Bio-Solids Dewatering	1,180,000	-	-	-	-	-	-	1,180,000	1,180,000	-
6402-60142	O'Bannon WWTP Filter & Clarifier Improvements	5,228,300	3,545,900	1,682,400	-	-	-	-	-	5,228,300	1,682,400
6402-	Old SR 74 Sewer Improvements	41,400	41,400	-	-	-	-	-	-	41,400	-
6402-	Old SR 74 Sewer Petition	75,000	-	12,000	63,000	-	-	-	-	75,000	75,000
6402-	Olive Branch-Stonelick Sewer Extension	1,720,000	20,000	-	-	100,000	1,600,000	-	-	1,720,000	1,700,000
6402-	Orchard Valley Lift Station Upgrade	1,297,000	-	-	-	100,000	1,197,000	-	-	1,297,000	1,297,000
6402-	Paving Improvements	212,000	-	12,000	200,000	-	-	-	-	212,000	212,000
6402-	Pine Lane, Branch Hill Miamiville Road and Decade Lane Sewer Petition	740,000	-	80,000	225,000	435,000	-	-	-	740,000	740,000
6402-	Polo Fields II Lift Station Improvements	312,000	-	-	-	62,000	250,000	-	-	312,000	312,000
6402-	Savannah Ridge Sewer Extension	133,000	-	133,000	-	-	-	-	-	133,000	133,000
6402-	Shayler Run - Segment E	1,265,960	163,960	-	-	-	100,000	1,002,000	-	1,265,960	1,102,000
6402-60138	Shayler Run Upstream Sewer Upgrade	664,630	44,710	9,920	-	-	-	-	610,000	664,630	9,920
6402-	Shepherd Road Lift Station Evaluation	1,312,000	-	-	150,000	1,162,000	-	-	-	1,312,000	1,312,000
6402-60183	SR 132 Lift Station Improvements	267,000	-	67,000	200,000	-	-	-	-	267,000	267,000
6402-	SR 132 Sewer Improvements	1,612,000	-	-	-	-	140,000	1,472,000	-	1,612,000	1,612,000
6402-	SR 32 at Bach Buxton Sewer Relocation	52,000	-	-	-	52,000	-	-	-	52,000	52,000
6402-60001	Utility Relocations	600,000	-	100,000	100,000	100,000	100,000	100,000	100,000	600,000	500,000
6402-60144	Wastewater Model Maintenance	191,600	16,600	37,500	37,500	25,000	25,000	25,000	25,000	191,600	150,000
6402-60049	Wastewater Stream Revetment	250,000	-	50,000	50,000	50,000	50,000	50,000	-	250,000	250,000
6402-	Wastewater Treatment Plant Rehabilitation	2,000,000	-	-	400,000	400,000	400,000	400,000	400,000	2,000,000	1,600,000
6402-	White Oak Lift Station Relocation & Upgrade	287,000	-	30,000	257,000	-	-	-	-	287,000	287,000
6402-	Whitmer Road Sewer Petition	69,150	-	69,150	-	-	-	-	-	69,150	69,150
	TOTAL	98,210,250	8,740,300	8,250,590	23,543,100	14,323,260	12,069,000	5,949,000	25,335,000	98,210,250	64,134,950

2020 Wastewater Capital Improvement - Project Summary

	Funding Source	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total	*Adj. 5 Yr Total
Arc Flash Analysis & Labeling	-	250,000	-	250,000	-	-	-	-	-	250,000	250,000
	Capital Improvement Fund	-	-	250,000	-	-	-	-	-	250,000	250,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
	Grant	-	-	-	-	-	-	-	-	-	-
Arrowhead Wastewater Treatment Plant Elimination	LHR-P2-T2	3,630,000	88,100	261,700	1,510,000	1,770,200	-	-	-	3,630,000	3,541,900
	Capital Improvement Fund	-	88,100	261,700	1,510,000	1,770,200	-	-	-	3,630,000	3,541,900
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
	Grant	-	-	-	-	-	-	-	-	-	-
Bach Buxton Sewer Extension	-	140,130	140,130	-	-	-	-	-	-	140,130	-
	Capital Improvement Fund	-	140,130	-	-	-	-	-	-	140,130	-
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
	Grant	-	-	-	-	-	-	-	-	-	-
Backbone Creek Sewer Replacement	-	580,800	-	280,800	300,000	-	-	-	-	580,800	580,800
	Capital Improvement Fund	-	-	280,800	300,000	-	-	-	-	580,800	580,800
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
	Grant	-	-	-	-	-	-	-	-	-	-
Bethel Lift Station EQ Facility	MEF-P2-08	3,360,000	-	240,000	3,120,000	-	-	-	-	3,360,000	3,360,000
	Capital Improvement Fund	-	-	240,000	3,120,000	-	-	-	-	3,360,000	3,360,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
	Grant	-	-	-	-	-	-	-	-	-	-
Bethel Area Sewer Replacement - Phase II	MEF-P2-06	342,150	38,150	304,000	-	-	-	-	-	342,150	304,000
	Capital Improvement Fund	-	38,150	304,000	-	-	-	-	-	342,150	304,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
	Grant	-	-	-	-	-	-	-	-	-	-
Bio-Solids Management Evaluation	-	43,000	-	43,000	-	-	-	-	-	43,000	43,000
	Capital Improvement Fund	-	-	43,000	-	-	-	-	-	43,000	43,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
	Grant	-	-	-	-	-	-	-	-	-	-
Branch Hill Guinea Road Sewer Petition	-	126,840	5,840	121,000	-	-	-	-	-	126,840	121,000
	Capital Improvement Fund	-	5,840	121,000	(121,000)	-	-	-	-	5,840	-
	Assessment	-	-	-	121,000	-	-	-	-	121,000	121,000
	Loan	-	-	-	-	-	-	-	-	-	-
	Grant	-	-	-	-	-	-	-	-	-	-
Collection System Rehabilitation	-	6,950,000	-	-	-	600,000	2,000,000	2,000,000	2,350,000	6,950,000	4,600,000
	Capital Improvement Fund	-	-	-	-	600,000	2,000,000	2,000,000	2,350,000	6,950,000	4,600,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
	Grant	-	-	-	-	-	-	-	-	-	-
Collection System Rehabilitation - 2018	-	3,070,500	2,818,000	252,500	-	-	-	-	-	3,070,500	252,500
	Capital Improvement Fund	-	2,085,415	185,085	-	-	-	-	-	2,270,500	185,085
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
	Grant	-	732,585	67,415	-	-	-	-	-	800,000	67,415

2020 Wastewater Capital Improvement - Project Summary

	Funding Source	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total	*Adj. 5 Yr Total
SR 132 Lift Station Improvements	-	267,000	-	67,000	200,000	-	-	-	-	267,000	267,000
	<i>Capital Improvement Fund</i>	-	-	67,000	200,000	-	-	-	-	267,000	267,000
	<i>Assessment</i>	-	-	-	-	-	-	-	-	-	-
	<i>Loan Grant</i>	-	-	-	-	-	-	-	-	-	-
SR 132 Sewer Improvements	MEF-P2-24	1,612,000	-	-	-	-	140,000	1,472,000	-	1,612,000	1,612,000
	<i>Capital Improvement Fund</i>	-	-	-	-	-	140,000	1,472,000	-	1,612,000	1,612,000
	<i>Assessment</i>	-	-	-	-	-	-	-	-	-	-
	<i>Loan Grant</i>	-	-	-	-	-	-	-	-	-	-
SR 32 at Bach Buxton Sewer Relocation	-	52,000	-	-	-	52,000	-	-	-	52,000	52,000
	<i>Capital Improvement Fund</i>	-	-	-	-	52,000	-	-	-	52,000	52,000
	<i>Assessment</i>	-	-	-	-	-	-	-	-	-	-
	<i>Loan Grant</i>	-	-	-	-	-	-	-	-	-	-
Utility Relocations	-	600,000	-	100,000	100,000	100,000	100,000	100,000	100,000	600,000	500,000
	<i>Capital Improvement Fund</i>	-	-	100,000	100,000	100,000	100,000	100,000	100,000	600,000	500,000
	<i>Assessment</i>	-	-	-	-	-	-	-	-	-	-
	<i>Loan Grant</i>	-	-	-	-	-	-	-	-	-	-
Wastewater Model Maintenance	-	191,600	16,600	37,500	37,500	25,000	25,000	25,000	25,000	191,600	150,000
	<i>Capital Improvement Fund</i>	-	16,600	37,500	37,500	25,000	25,000	25,000	25,000	191,600	150,000
	<i>Assessment</i>	-	-	-	-	-	-	-	-	-	-
	<i>Loan Grant</i>	-	-	-	-	-	-	-	-	-	-
Wastewater Stream Revetment	-	250,000	-	50,000	50,000	50,000	50,000	50,000	-	250,000	250,000
	<i>Capital Improvement Fund</i>	-	-	50,000	50,000	50,000	50,000	50,000	-	250,000	250,000
	<i>Assessment</i>	-	-	-	-	-	-	-	-	-	-
	<i>Loan Grant</i>	-	-	-	-	-	-	-	-	-	-
Wastewater Treatment Plant Rehabilitation	-	2,000,000	-	-	400,000	400,000	400,000	400,000	400,000	2,000,000	1,600,000
	<i>Capital Improvement Fund</i>	-	-	-	400,000	400,000	400,000	400,000	400,000	2,000,000	1,600,000
	<i>Assessment</i>	-	-	-	-	-	-	-	-	-	-
	<i>Loan Grant</i>	-	-	-	-	-	-	-	-	-	-
Whitmer Road Sewer Petition	-	69,150	-	69,150	-	-	-	-	-	69,150	69,150
	<i>Capital Improvement Fund</i>	-	-	69,150	(58,400)	-	-	-	-	10,750	10,750
	<i>Assessment</i>	-	-	-	58,400	-	-	-	-	58,400	58,400
	<i>Loan Grant</i>	-	-	-	-	-	-	-	-	-	-
White Oak Lift Station Relocation & Upgrade	-	287,000	-	30,000	257,000	-	-	-	-	287,000	287,000
	<i>Capital Improvement Fund</i>	-	-	30,000	257,000	-	-	-	-	287,000	287,000
	<i>Assessment</i>	-	-	-	-	-	-	-	-	-	-
	<i>Loan Grant</i>	-	-	-	-	-	-	-	-	-	-
TOTAL	Expenditures	98,210,250	8,740,300	8,250,590	23,543,100	14,323,260	12,069,000	5,949,000	25,335,000	98,210,250	64,134,950
	<i>Capital Improvement Fund</i>	84,177,850	7,871,275	8,183,175	23,183,700	1,586,700	12,069,000	5,949,000	25,335,000	84,177,850	50,971,575
	<i>Assessment</i>	1,014,400	-	-	359,400	655,000	-	-	-	1,014,400	1,014,400
	<i>Loan</i>	8,218,000	-	-	-	8,218,000	-	-	-	8,218,000	8,218,000
	<i>Grant</i>	4,800,000	869,025	67,415	-	3,863,560	-	-	-	4,800,000	3,930,975

*Adjusted 5 year plan = 2020-2024 Expenditure Plan

2020 Wastewater Capital Improvement - Project Summary

Project :	Arc Flash Analysis & Labeling	Project No.:	6402-	Project Manager:	CR	Date of Update:	31-Jan-20	
Description:	Identification and labeling of arc flash hazards at various locations in the wastewater treatment and collection system to assist with NFPA70E compliance.					Justification:	Petition BOH Master Plan XL	Capacity Need Consent Order Other
Township	County Wide					Coordinates:		
Annual Effect on Operations:	-	O&M/year	Resolutions:			Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Easements Procured:	N/A		RAGP RADP RON RDTP					
Special Conditions:								

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total	
Preliminary Engineering										\$0	
Date Complete:											
Detail Plans										\$0	
Date Complete:											
Land/Easements										\$0	
Construction Engineering and Inspection										\$0	
General Contractor		\$250,000		\$250,000						\$250,000	
Misc										\$0	
Total		\$250,000	\$0	\$250,000	\$0	\$0	\$0	\$0	\$0	\$250,000	
Funding Source:	Capital Improvement Fund	\$	-	\$ 250,000	\$	-	\$	-	\$	-	\$ 250,000
	Assessment	\$	-	\$	-	\$	-	\$	-	\$	-
	Loan	\$	-	\$	-	\$	-	\$	-	\$	-
	Grant	\$	-	\$	-	\$	-	\$	-	\$	-

Positive Aspects of Project:
 Protection of employees from work place hazards.
 Compliance with NFPA70E.

Problems:

Notes:
 Combined project with Water CIP.

2020 Wastewater Capital Improvement - Project Summary

Project : Arrowhead Wastewater Treatment Plant Elimination	Project No.: 6402-60168	Project Manager: AK	Date of Update: 31-Jan-20
Description: Elimination of a package wastewater treatment plant constructed in 1972. Flow to be directed to Wards Corner Regional WWTP.			Justification: Petition BOH Master Plan XL LHR-P2-T2 Capacity Need Consent Order Other
Township: Miami			Coordinates:
Annual Effect on Operations: \$ 5,000 O&M/year	Resolutions: RAGP RADP RON RDTP		Construction: Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured: no			
Special Conditions:			

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total	
Preliminary Engineering		\$104,800	\$88,100	\$16,700						\$104,800	
Date Complete:											
Detail Plans		\$100,000		\$100,000						\$100,000	
Date Complete:											
Land/Easements		\$100,000		\$100,000						\$100,000	
Geotech		\$25,000		\$25,000							
Construction Engineering and Inspection										\$0	
General Contractor		\$3,270,200			\$1,500,000	\$1,770,200				\$3,270,200	
Misc		\$30,000		\$20,000	\$10,000					\$30,000	
Total		\$3,630,000	\$88,100	\$261,700	\$1,510,000	\$1,770,200	\$0	\$0	\$0	\$3,605,000	
Funding Source:	Capital Improvement Fund	\$	\$88,100	\$	\$261,700	\$	\$1,510,000	\$	\$1,770,200	\$	\$3,630,000
	Assessment	\$	-	\$	-	\$	-	\$	-	\$	-
	Loan	\$	-	\$	-	\$	-	\$	-	\$	-
	Grant	\$	-	\$	-	\$	-	\$	-	\$	-

Positive Aspects of Project:
Eliminates an aging package plant and assists with regionalization.

Problems: Easements, Manpower, Materials, Weather, etc

Notes:
Elimination of package plant will require approximately 3 miles of gravity sewer routed along the bike trail.
Lift Station Option will require a new lift station, approximately 1 mile of force main, and approximately 3,000 feet of sewer from the Indian Lookout LS on the Todd (Gun Club) property.

2020 Wastewater Capital Improvement - Project Summary

Project :	Bach Buxton Sewer Extension	Project No.:	6402-60179	Project Manager:	TC	Date of Update:	31-Jan-20	
Description:	Construction of approximately 2,700' of 15" PVC sanitary sewer along Bach Buxton Road from Shayler Road to Elick Road. CCWRD to contribute to the oversizing costs of the 15" sanitary sewer.					Justification:	Petition BOH Master Plan XL	Capacity <u>Need</u> Consent Order <u>Other</u>
Township	Union					Coordinates:		
Annual Effect on Operations:	\$ 800 O&M/year	Resolutions:	RAGP RADP RON RDTP			Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Easements Procured:	N/A							
Special Conditions:	CCWRD Contribution							

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total
Preliminary Engineering										\$0
Date Complete:										
Detail Plans										\$0
Date Complete:										
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor		\$140,130	\$140,130							\$140,130
Misc										\$0
Total		\$140,130	\$140,130	\$0	\$0	\$0	\$0	\$0	\$0	\$140,130
Funding Source:	Capital Improvement Fund	\$ 140,130	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 140,130
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

Provides sanitary sewer service to unsewered / undeveloped property to encourage economic development.

Problems: Easements, Manpower, Materials, Weather, etc

Notes:

PO#19003696 \$140,129.00 paid in 2019.

2020 Wastewater Capital Improvement - Project Summary

Project :	Backbone Creek Sewer Replacement	Project No.:	6402-60183	Project Manager:	TL	Date of Update:	31-Jan-20
Description:	Replacement and relocation of approximately 2000 feet of existing 18" sanitary sewers near manholes 3189 and 3190, along SR 132 and Back Bone Creek. New sewer will include jack & bore installation under SR 132.					Justification:	Petition BOH Master Plan XL Capacity <u>Need</u> Consent Order <u>Other</u>
Township	Batavia					Coordinates:	
Annual Effect on Operations:	\$ 700 O&M/Year	Resolutions:	RAGP RADP RON RDTP		Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Easements Procured:	No						
Special Conditions:							

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total
Preliminary Engineering										\$0
Date Complete:										
Detail Plans		\$65,800		\$65,800						\$65,800
Date Complete:										
Land/Easements		\$15,000		\$15,000						\$15,000
Construction Engineering and Inspection		\$500,000		\$200,000	\$300,000					\$500,000
General Contractor										\$0
Misc										\$0
Total		\$580,800	\$0	\$280,800	\$300,000	\$0	\$0	\$0	\$0	\$580,800
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ 280,800	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ 580,800
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
 Replaces existing sanitary sewers compromised by Backbone Creek.

Problems:

Notes:

2020 Wastewater Capital Improvement - Project Summary

Project :	Bethel Area Sewer Replacement - Phase II	Project No.:	6402-60160	Project Manager:	CR	Date of Update:	31-Jan-20	
Description:	Phase II of replacement and upsizing of approximately 1,151 feet of various size sewer mains in the Bethel area to address capacity issues identified during flow monitoring study completed in 2012 & 2013.					Justification:	Petition BOH Master Plan XL MEF-P2-06 Consent Order Capacity Need Other	
Township						Coordinates:		
Annual Effect on Operations:	\$ 300 O&M/year	Resolutions:	RAGP RADP RON RDTP		Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:		
Easements Procured:	yes							
Special Conditions:								

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total
Preliminary Engineering										\$0
Date Complete:										
Detail Plans		\$27,700	\$27,700							\$27,700
Date Complete:										
Land/Easements		\$8,350	\$8,350							\$8,350
Construction Engineering and Inspection										\$0
General Contractor		\$300,000		\$300,000						\$300,000
Misc		\$2,000		\$2,000						\$2,000
Permit		\$4,100	\$2,100	\$2,000						\$4,100
Total		\$342,150	\$38,150	\$304,000	\$0	\$0	\$0	\$0	\$0	\$342,150
Funding Source:	Capital Improvement Fund	\$ 38,150	\$ 304,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 342,150
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
 Reduces and/or eliminates wet weather overflows at the Bethel Lift Station.
 Project addresses parts of WWMPU Projects MEF P2-08, P1-02, P1-01, P2-07, P2-06, P2-05

Problems: Easements, Manpower, Materials, Weather, etc

Notes:
 Phase II of the Bethel Area Sewer Replacement Project.

2020 Wastewater Capital Improvement - Project Summary

Project :	Bethel Lift Station EQ Facility	Project No.:	6402-	Project Manager:		Date of Update:	31-Jan-20
Description:	Construction of an additional one million gallons of equalization storage for wet weather events and lift station electrical upgrades.				Justification:	Petition BOH Master Plan MEF-P2-08 Capacity Need Consent Order Other	
Township	Tate				Coordinates:		
Annual Effect on Operations:	\$ 3,000 O&M/year	Resolutions:	RAGP RADP RON RDTP		Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Easements Procured:	no						
Special Conditions:							

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total
Preliminary Engineering										\$0
Date Complete:										
Detail Plans		\$240,000		\$240,000						\$240,000
Date Complete:										
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor		\$3,100,000			\$3,100,000					\$3,100,000
Misc		\$20,000			\$20,000					\$20,000
										\$0
Total		\$3,360,000	\$0	\$240,000	\$3,120,000	\$0	\$0	\$0	\$0	\$3,360,000
Funding Source:	Capital Improvement Fund	\$	-	\$ 240,000	\$ 3,120,000	\$	-	\$	-	\$ 3,360,000
	Assessment	\$	-	\$	-	\$	-	\$	-	\$
	Loan	\$	-	\$	-	\$	-	\$	-	\$
	Grant	\$	-	\$	-	\$	-	\$	-	\$

Positive Aspects of Project:

Problems: Easements, Manpower, Materials, Weather, etc

Notes:

2020 Wastewater Capital Improvement - Project Summary

Project :	Bio-Solids Management Evaluation	Project No.:	6402-60185	Project Manager:	AK	Date of Update:	31-Jan-20
Description:	Evaluation and development of an effective short and long term bio-solids handling plan for the material produced at the wastewater treatment plants.					Justification:	Petition BOH Master Plan XL Capacity Need Consent Order Other
Township	County Wide					Coordinates:	
Annual Effect on Operations:	unknown	O&M/year	Resolutions:		RAGP RADP RON RDTP	Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured:	No						
Special Conditions:							

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total	
Preliminary Engineering		\$43,000		\$43,000						\$43,000	
Date Complete:											
Detail Plans										\$0	
Date Complete:											
Land/Easements										\$0	
Construction Engineering and Inspection										\$0	
General Contractor										\$0	
Misc										\$0	
Total		\$43,000	\$0	\$43,000	\$0	\$0	\$0	\$0	\$0	\$43,000	
Funding Source:	Capital Improvement Fund	\$	-	\$ 43,000	\$	-	\$	-	\$	-	\$ 43,000
	Assessment	\$	-	\$	-	\$	-	\$	-	\$	-
	Loan	\$	-	\$	-	\$	-	\$	-	\$	-
	Grant	\$	-	\$	-	\$	-	\$	-	\$	-

Positive Aspects of Project:
Improved bio-solids handling.

Problems:

Notes:

2020 Wastewater Capital Improvement - Project Summary

Project :	Branch Hill Guinea Road Sewer Petition	Project No.:	6402-60173	Project Manager:	AK	Date of Update:	31-Jan-20	
Description:	Installation of approximately 320' feet of 8" sanitary sewer to serve the residents along Branch Hill Guinea Road from Miami Trails Drive to Lewis Road.					Justification:	<input checked="" type="radio"/> Petition <input type="radio"/> BOH <input type="radio"/> Master Plan <input type="radio"/> XL <input type="radio"/> Capacity <input type="radio"/> Need <input type="radio"/> Consent Order <input type="radio"/> Other 	
Township	Miami	Resolutions:					Coordinates:	
Annual Effect on Operations:	\$ 100 O&M/year	Resolutions: RAGP RADP RON RDTP					Construction: Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Easements Procured:	no							
Special Conditions:	Petition							

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total	
Preliminary Engineering										\$0	
Date Complete:											
Detail Plans		\$3,440	\$3,440							\$3,440	
Date Complete:											
Land/Easements		\$2,000	\$2,000							\$2,000	
Construction Engineering and Inspection										\$0	
General Contractor		\$119,000		\$119,000						\$119,000	
Misc		\$2,400	\$400	\$2,000						\$2,400	
Total		\$126,840	\$5,840	\$121,000	\$0	\$0	\$0	\$0	\$0	\$126,840	
Funding Source:	Capital Improvement Fund	\$	5,840	\$	121,000	\$	(121,000)	\$	-	\$	5,840
	Assessment	\$	-	\$	-	\$	121,000	\$	-	\$	121,000
	Loan	\$	-	\$	-	\$	-	\$	-	\$	-
	Grant	\$	-	\$	-	\$	-	\$	-	\$	-

Positive Aspects of Project:

Problems: Easements, Manpower, Materials, Weather, etc

Notes:

2020 Wastewater Capital Improvement - Project Summary

Project :	Collection System Rehabilitation	Project No.:	6402-62002	Project Manager:		Date of Update:	31-Jan-20
Description:	This work will include rehabilitation of existing portions of the collection system that have reached their useful life. Areas will be identified and prioritized using CCTV data.				Justification:	Petition BOH Master Plan XL	
Township	Countywide				Coordinates:	Capacity Need Consent Order Other	
Annual Effect on Operations:	\$ -	O&M/Year	Resolutions:		Construction:		
Easements Procured:	Unknown		RAGP RADP RON RDTP		Bid Opening: Contract Award: Contract Execution: Notice to Proceed:		
Special Conditions:							

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total
Preliminary Engineering										\$0
Date Complete:										
Detail Plans										\$0
Date Complete:										
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor		\$6,950,000				\$600,000	\$2,000,000	\$2,000,000	\$2,350,000	\$6,950,000
Misc										\$0
Total		\$6,950,000	\$0	\$0	\$0	\$600,000	\$2,000,000	\$2,000,000	\$2,350,000	\$6,950,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ -	\$ -	\$ 600,000	\$ 2,000,000	\$ 2,000,000	\$ 2,350,000	\$ 6,950,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
 Rehabilitates (slip lining, pipe bursting, etc.) existing, deteriorated infrastructure.

Problems:

Notes:
 Additional Bethel rehab of laterals and manholes estimated at \$900,000. Main lining completed in 2018 contract.

2020 Wastewater Capital Improvement - Project Summary

Project :	Collection System Rehabilitation - 2018	Project No.:	6402-62007	Project Manager:	CR	Date of Update:	31-Jan-20	
Description:	Rehabilitation of approximately 19,570 linear feet of existing sanitary sewers, manholes and laterals along various upstream branches of the Shayler trunk sewer and various size sewers along Locust Lake Road, Oak St., Maple St., Hitchcock Ln., Chapel Rd. and SR 125.					Justification:	Petition BOH Master Plan XL	Capacity Need Consent Order Other
Township	Pierce & Union					Coordinates:		
Annual Effect on Operations:	\$ - O&M/year	Resolutions:			RAGP RADP RON RDTP		Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured:	N/A							
Special Conditions:								

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total
Preliminary Engineering										\$0
Date Complete:										
Detail Plans										\$0
Date Complete:										
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor		\$3,068,800	\$2,816,300	\$252,500						\$3,068,800
Misc		\$1,700	\$1,700							\$1,700
Total		\$3,070,500	\$2,818,000	\$252,500	\$0	\$0	\$0	\$0	\$0	\$3,070,500
Funding Source:	Capital Improvement Fund	\$ 2,085,415	\$ 185,085	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,270,500
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ 732,585	\$ 67,415	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 800,000

Positive Aspects of Project:
 Rehabilitates by slip lining existing, deteriorated infrastructure.
 Addresses WWMPU Projects MEF-P2-20 & LEF-P1-01

Problems:

Notes:
 Shayler upstream sewers include Forsythia Dr., Ellis Ave., Loda Dr., Gleneste-Withamsville Rd., Picket Way and Heatherstone Ct.
 Locust Lake Rd. rehabilitation of laterals and manholes only.
 Added approximately 4,744 feet of sanitary sewers in the village of Bethel.

2020 Wastewater Capital Improvement - Project Summary

Project :	Collection System Rehabilitation - 2019	Project No.:	6402-	Project Manager:	TL	Date of Update:	31-Jan-20	
Description:	Rehabilitation of approximately 2,601 linear feet of existing 8" & 12" sanitary sewers, manholes and laterals starting at the end of David Ct. and extending behind Anthony Ln. and David Ct. in a westerly direction to Cook Rd. Requires the replacement of one manhole and approximately 100 feet of existing 8" sanitary sewer.					Justification:	Petition BOH Master Plan XL	Capacity Need Consent Order Other
Township	Miami					Coordinates:		
Annual Effect on Operations:	\$ -	O&M/year	Resolutions:			Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Easements Procured:	no		RAGP RADP RON RDTP					
Special Conditions:								

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total
Preliminary Engineering										\$0
Date Complete:										
Detail Plans										\$0
Date Complete:										
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor		\$520,500		\$520,500						\$520,500
	Davey Tree	\$26,500		\$26,500						
Misc		\$2,000		\$2,000						\$2,000
Total		\$549,000	\$0	\$549,000	\$0	\$0	\$0	\$0	\$0	\$522,500
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ 549,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 549,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
 Rehabilitates by slip lining existing, deteriorated infrastructure.

Problems: Easements, Manpower, Materials, Weather, etc
 Site access

Notes:

2020 Wastewater Capital Improvement - Project Summary

Project :	Collection System Rehabilitation - Locust Lake and Bethel Areas	Project No.:	6402-	Project Manager:	TL	Date of Update:	31-Jan-20	
Description:	Rehabilitation of approximately 19,310 linear feet of existing 8" sanitary sewers, 400 laterals and 90 manholes in areas of the Village of Bethel and the Former Village of Amelia.					Justification:	Petition BOH Master Plan XL	Capacity Need Consent Order Other
Township	Pierce & Tate					Coordinates:		
Annual Effect on Operations:	\$ -	O&M/year	Resolutions:			Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Easements Procured:	na		RAGP RADP RON RDTP					
Special Conditions:								

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total
Preliminary Engineering										\$0
Date Complete:										
Detail Plans										\$0
Date Complete:										
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor		\$4,400,000			\$4,400,000					\$4,400,000
Misc										\$0
Total		\$4,400,000	\$0	\$0	\$4,400,000	\$0	\$0	\$0	\$0	\$4,400,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ -	\$ 4,400,000	\$ -	\$ -	\$ -	\$ -	\$ 4,400,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
 Rehabilitates (slip lining, pipe bursting, etc.) existing, deteriorated infrastructure.

Problems:

Notes:

2020 Wastewater Capital Improvement - Project Summary

Project :	Commercial Revenue Enhancement	Project No.:	6402-	Project Manager:		Date of Update:	31-Jan-20	
Description:	New sewer improvements to increase commercial revenues.				Justification:	Petition BOH Master Plan XL	Capacity Need Consent Order Other	
Township	Countywide				Coordinates:			
Annual Effect on Operations:	TBD	O&M/Year			Resolutions:	RAGP RADP RON RDTP	Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured:	TBD							
Special Conditions:								

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total	
Preliminary Engineering										\$0	
Date Complete:											
Detail Plans										\$0	
Date Complete:											
Land/Easements										\$0	
Construction Engineering and Inspection										\$0	
General Contractor										\$0	
Misc		\$600,000		\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$600,000	
Total		\$600,000	\$0	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$600,000	
Funding Source:	Capital Improvement Fund	\$	-	\$	100,000	\$	100,000	\$	100,000	\$	600,000
	Assessment	\$	-	\$	-	\$	-	\$	-	\$	-
	Loan	\$	-	\$	-	\$	-	\$	-	\$	-
	Grant	\$	-	\$	-	\$	-	\$	-	\$	-

Positive Aspects of Project:
Increased sewer revenues through commercial development, which promotes minimized adjustment of sewer rates for all customers.

Problems:

Notes:

2020 Wastewater Capital Improvement - Project Summary

Project :	Computerized Maintenance Management System (CMMS)	Project No.:	6402-	Project Manager:		Date of Update:	31-Jan-20
Description:	Purchase of single CMMS software to be used throughout the Water Resources Department to track maintenance needs, work orders, etc.				Justification:	Petition BOH Master Plan XL Capacity <u>Need</u> Consent Order Other	
Township	N/A				Coordinates:		
Annual Effect on Operations:	O&M/year	Resolutions:	RAGP RADP RON RDTP		Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Easements Procured:	N/A						
Special Conditions:	50% Water/50% Sewer funds						

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total	
Preliminary Engineering Date Complete:										\$0	
Detail Plans Date Complete:										\$0	
Land/Easements										\$0	
Construction Engineering and Inspection General Contractor										\$0	
Misc		\$150,000				\$150,000				\$150,000	
Total		\$150,000	\$0	\$0	\$0	\$150,000	\$0	\$0	\$0	\$150,000	
Funding Source:	Capital Improvement Fund	\$	-	\$	-	\$	-	\$	-	\$	150,000
	Assessment	\$	-	\$	-	\$	-	\$	-	\$	-
	Loan	\$	-	\$	-	\$	-	\$	-	\$	-
	Grant	\$	-	\$	-	\$	-	\$	-	\$	-

Positive Aspects of Project:
Replaces existing antiquated system.

Problems:

Notes:

2020 Wastewater Capital Improvement - Project Summary

Project :	Crescent Drive Lift Station Elimination	Project No.:	6402-	Project Manager:		Date of Update:	31-Jan-20
Description:	Addition of approximately 900 feet of 8" sanitary sewer to eliminate the Crescent Drive Lift Station.				Justification:	Petition BOH Master Plan XL	Capacity Need Consent Order Other
Township	Pierce				Coordinates:		
Annual Effect on Operations:	\$	100	O&M/year	RAGP RADP RON RDTP	Construction:	Bid Opening:	
Easements Procured:		no			Contract Award:	Contract Execution:	
Special Conditions:					Notice to Proceed:		

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total	
Preliminary Engineering										\$0	
Date Complete:											
Detail Plans		\$25,000				\$25,000				\$25,000	
Date Complete:											
Land/Easements		\$10,000				\$10,000				\$10,000	
Construction Engineering and Inspection										\$0	
General Contractor		\$135,000				\$135,000				\$135,000	
Misc										\$0	
Total		\$170,000	\$0	\$0	\$0	\$35,000	\$135,000	\$0	\$0	\$170,000	
Funding Source:	Capital Improvement Fund	\$	-	\$	-	\$	35,000	\$	135,000	\$	170,000
	Assessment	\$	-	\$	-	\$	-	\$	-	\$	-
	Loan	\$	-	\$	-	\$	-	\$	-	\$	-
	Grant	\$	-	\$	-	\$	-	\$	-	\$	-

Positive Aspects of Project:

Problems: Easements

Notes:

2020 Wastewater Capital Improvement - Project Summary

Project :	Deblin Drive Sewer Replacement	Project No.:	6402-60174	Project Manager:	AK	Date of Update:	31-Jan-20
Description:	Replacement of approximately 50 feet of existing 8" clay sanitary sewer between manholes 4477 and 4452 and two point repairs at lateral connections along Deblin Drive.					Justification:	Petition BOH Master Plan XL
Township	Miami	Resolutions:	RAGP RADP RON RDTP			Coordinates:	Capacity Need Consent Order Other
Annual Effect on Operations:	\$ - O&M/year	Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:				
Easements Procured:	N/A	Special Conditions:					

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total	
Preliminary Engineering		\$0								\$0	
Date Complete:											
Detail Plans		\$3,600	\$3,600							\$3,600	
Date Complete:											
Land/Easements		\$0								\$0	
Construction Engineering and Inspection		\$0								\$0	
General Contractor		\$110,000		\$110,000						\$110,000	
Misc		\$10,700	\$8,700	\$2,000						\$10,700	
Total		\$124,300	\$12,300	\$112,000	\$0	\$0	\$0	\$0	\$0	\$124,300	
Funding Source:	Capital Improvement Fund	\$	12,300	\$	112,000	\$	-	\$	-	\$	112,000
	Assessment	\$	-	\$	-	\$	-	\$	-	\$	-
	Loan	\$	-	\$	-	\$	-	\$	-	\$	-
	Grant	\$	-	\$	-	\$	-	\$	-	\$	-

Positive Aspects of Project:

Problems: Depth & existing trench box.

Notes:

2020 Wastewater Capital Improvement - Project Summary

Project :	Deerfield Road Sewer Petition	Project No.:	6402-60161	Project Manager:	CR	Date of Update:	31-Jan-20
Description:	Installation of approximately 1020' feet of 8" sanitary sewer to serve the residents along Deerfield Road starting south of the intersection of Woodville Pike to approximately 1000' north of Mills of Miami Blvd.					Justification:	<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;"> Petition BOH Master Plan XL </div> <div style="text-align: center;"> Need Consent Order Other </div> </div>
Township	Goshen and Miami					Coordinates:	
Annual Effect on Operations:	\$ 250 O&M/year	Resolutions:	RAGP RADP RON RDTP		Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Easements Procured:	no						
Special Conditions:	Petition						

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total	
Preliminary Engineering										\$0	
Date Complete:											
Detail Plans		\$5,400	\$5,400							\$5,400	
Date Complete:											
Land/Easements		\$4,000		\$4,000						\$4,000	
Construction Engineering and Inspection										\$0	
General Contractor		\$177,400			\$177,400					\$177,400	
Misc		\$15,600			\$15,600					\$15,600	
Total		\$202,400	\$5,400	\$4,000	\$193,000	\$0	\$0	\$0	\$0	\$202,400	
Funding Source:	Capital Improvement Fund	\$	5,400	\$	4,000	\$	13,000	\$	-	\$	22,400
	Assessment	\$	-	\$	-	\$	180,000	\$	-	\$	180,000
	Loan	\$	-	\$	-	\$	-	\$	-	\$	-
	Grant	\$	-	\$	-	\$	-	\$	-	\$	-

Positive Aspects of Project:

Problems: Easements, Manpower, Materials, Weather, etc

Notes:

2020 Wastewater Capital Improvement - Project Summary

Project :	Derbyshire Area SSES	Project No.:	6402-	Project Manager:		Date of Update:	31-Jan-20
Description:	Evaluation of the wastewater collection system upstream of manhole 5152, towards Derby Shire Lane, to quantify and identify I/I sources and recommend improvements to correct.				Justification:	Petition BOH Master Plan XL OBN-P1-04 Capacity Need Consent Order Other	
Township	Miami	Resolutions:			Coordinates:		
Annual Effect on Operations:	unknown	O&M/year	RAGP RADP RON RDTP		Construction:		
Easements Procured:	no				Bid Opening: Contract Award: Contract Execution: Notice to Proceed:		
Special Conditions:							

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total	
Preliminary Engineering		\$75,000		\$25,000	\$50,000					\$75,000	
Date Complete:											
Detail Plans										\$0	
Date Complete:											
Land/Easements										\$0	
Construction Engineering and Inspection										\$0	
General Contractor										\$0	
Misc										\$0	
Total		\$75,000	\$0	\$25,000	\$50,000	\$0	\$0	\$0	\$0	\$75,000	
Funding Source:	Capital Improvement Fund	\$	-	\$	25,000	\$	50,000	\$	-	\$	75,000
	Assessment	\$	-	\$	-	\$	-	\$	-	\$	-
	Loan	\$	-	\$	-	\$	-	\$	-	\$	-
	Grant	\$	-	\$	-	\$	-	\$	-	\$	-

Positive Aspects of Project:
 Evaluation and recommendations for improvement of existing collection system.

Problems:

Notes:
 Multiple homes in area with backwater valves due to history of basement backups.
 Flow monitoring in Spring 2021.

2020 Wastewater Capital Improvement - Project Summary

Project :	Environmental Upgrades - WWTP's	Project No.:	6402-	Project Manager:		Date of Update:	31-Jan-20
Description:	Treatment plant upgrades to address new permit limits as a result of the TMDL for East Fork of the Little Miami River (EFLMR).				Justification:	Petition BOH Master Plan XL	
Township	Countywide				Coordinates:	Capacity Need Consent Order Other	
Annual Effect on Operations:	unknown	O&M/Year	Resolutions:		Construction:		
Easements Procured:	N/A		RAGP RADP RON RDTP		Bid Opening: Contract Award: Contract Execution: Notice to Proceed:		
Special Conditions:							

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total			
Preliminary Engineering										\$0			
Date Complete:													
Detail Plans		\$370,000							\$370,000	\$370,000			
Date Complete:													
Land/Easements										\$0			
Construction Engineering and Inspection										\$0			
General Contractor		\$3,700,000							\$3,700,000	\$3,700,000			
Misc										\$0			
Total		\$4,070,000	\$0	\$0	\$0	\$0	\$0	\$0	\$4,070,000	\$4,070,000			
Funding Source:	Capital Improvement Fund	\$	-	\$	-	\$	-	\$	-	\$	4,070,000	\$	4,070,000
	Assessment	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
	Loan	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
	Grant	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-

Positive Aspects of Project:
 Will bring WWTP's into compliance with anticipated OEPA permit limit requirements established in NPDES Permits Requirements to address Senate Bill 1 completed December, 2017.

Problems:

Notes: Anticipated Costs
 Wards Corner WWTP \$526,000
 O'Bannon WWTP \$422,000
 MEF WWTP \$1.3M
 LEF WWTP \$1.1M
 Nine Mile WWTP \$341,000

2020 Wastewater Capital Improvement - Project Summary

Project :	Glendale and Glen Willow Sewer Replacement	Project No.:	6402-	Project Manager:		Date of Update:	31-Jan-20
Description:	Follow monitoring and model calibration to determine limits of required sewer replacement; Or, identify area with high I/I sources for possible I/I elimination. Replacement of approximately 1,625 feet of existing 8" sanitary sewer with 12", from manhole 1863 to manhole 1780.				Justification:	Petition BOH Master Plan XL Capacity Need Consent Order Other	
Township	Union				Coordinates:		
Annual Effect on Operations:	\$ 700 O&M/year	Resolutions:	RAGP RADP RON RDTP		Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Easements Procured:	No						
Special Conditions:							

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total
Preliminary Engineering		\$30,000			\$30,000					\$30,000
Date Complete:										
Detail Plans		\$40,000			\$40,000					\$40,000
Date Complete:										
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor		\$400,000				\$400,000				\$400,000
Misc										\$0
Total		\$470,000	\$0	\$0	\$70,000	\$400,000	\$0	\$0	\$0	\$470,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ -	\$ 70,000	\$ 400,000	\$ -	\$ -	\$ -	\$ 470,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

Problems: Easements, Manpower, Materials, Weather, etc

Notes:
Flow monitoring spring 2021

2020 Wastewater Capital Improvement - Project Summary

Project :	Greenbriar Lift Station Improvements	Project No.:	6402-60169	Project Manager:	AK	Date of Update:	31-Jan-20	
Description:	Evaluation and upgrade to the existing lift station wet well, valve vault, pumps, piping, controls, control panel, valves, addition of a back up power generator and the replacement of the existing force main.					Justification:	Petition BOH Master Plan XL	
Township						Coordinates:	Capacity Need Consent Order Other	
Annual Effect on Operations:	\$ - O&M/year	Resolutions:			RAGP RADP RON RDTP	Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Easements Procured:	no							
Special Conditions:								

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total
Preliminary Engineering										\$0
Date Complete:										
Detail Plans		\$105,000	\$76,200	\$28,800					\$0	\$105,000
Date Complete:	Geotech	\$4,360	\$4,360							
Land/Easements		\$30,000		\$30,000					\$0	\$30,000
Construction Engineering and Inspection									\$0	\$0
General Contractor		\$1,027,100		\$500,000	\$527,100				\$0	\$1,027,100
Misc		\$10,000		\$10,000					\$0	\$10,000
Permits		\$2,500	\$2,500							
Total		\$1,178,960	\$83,060	\$568,800	\$527,100	\$0	\$0	\$0	\$0	\$1,172,100
Funding Source:	Capital Improvement Fund	\$ 83,060	\$ 568,800	\$ 527,100	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,178,960
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
 Replaces aging lift station and force main installed in 1972 that is reaching the end of its useful life. Addition of backup power supply.

Problems: Easements and railroad access.

Notes:

2020 Wastewater Capital Improvement - Project Summary

Project :	Hall Run Sewer Replacement & EQ Expansion	Project No.:	6402-60103	Project Manager:		Date of Update:	31-Jan-20
Description:	Construction of approximately 1,500 feet of relief sewers downstream of the Hall Run EQ facility. Relief sewers to be constructed by "piggy backing", parallel installation, direct replacement, or pipe burst. Replacement of approximately 1,730 of sewer south of Fischer Lane and construction of an additional 3 MG equalization tank at the Hall Run EQ site.					Justification:	Petition BOH Master Plan XL LEF-P1-08 Capacity Need Consent Order Other
Township	Union					Coordinates:	
Annual Effect on Operations:	O&M/Year	Resolutions:	RAGP RADP RON RDTP			Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured:	No						
Special Conditions:	Partial Coord. w/ TID						

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total
Preliminary Engineering										\$0
Date Complete:										
Detail Plans	EMH&T	\$112,750	\$12,750						\$100,000	\$112,750
Date Complete:	\$12,750.00									
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor		\$2,900,000							\$2,900,000	\$2,900,000
Misc		\$940	\$940							\$940
Total		\$3,013,690	\$13,690	\$0	\$0	\$0	\$0	\$0	\$3,000,000	\$3,013,690
Funding Source:	Capital Improvement Fund	\$ 13,690	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,000,000	\$ 3,013,690
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
 Provides additional downstream capacity to maximize the performance of the Hall Run EQ tank. Replaces undersized concrete sewers installed in 1965 and provides additional wet weather storage at the Hall Run EQ facility.

Problems:
Pre and Post flow monitoring of I/I removal will determine needed improvements.

TID Coordination - Design / Replacement of approximately 647' of 12" sewer (replace w/ 18" sewer) to be coordinated with Tina Drive Extension Project.

Notes:

2020 Wastewater Capital Improvement - Project Summary

Project :	Indianview Lift Station Improvements	Project No.:	6402-	Project Manager:		Date of Update:	31-Jan-20
Description:	Replacement/relocation of existing lift station and force main.				Justification:	Petition BOH Master Plan XL	
Township	Miami				Coordinates:	Capacity Need Consent Order Other	
Annual Effect on Operations:	\$ 500 O&M/year	Resolutions:	RAGP RADP RON RDTP		Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Easements Procured:	No						
Special Conditions:							

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total
Preliminary Engineering										\$0
Date Complete:										
Detail Plans		\$64,240	\$39,240		\$25,000					\$64,240
Date Complete:										
Land/Easements		\$15,000		\$15,000						\$15,000
Construction Engineering and Inspection										\$0
General Contractor		\$350,000				\$350,000				\$350,000
Misc										\$0
Total		\$429,240	\$39,240	\$15,000	\$25,000	\$350,000	\$0	\$0	\$0	\$429,240
Funding Source:	Capital Improvement Fund	\$ 39,240	\$ 15,000	\$ 25,000	\$ 350,000	\$ -	\$ -	\$ -	\$ -	\$ 429,240
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
Replaces aged liftstation

Problems:
Alignment, easements

Notes:
Formerly Project No. 651-0857
Obtain easements along an alignment before formal design states.
Address: 6332 Branch Hill Miamiville

2020 Wastewater Capital Improvement - Project Summary

Project :	Jenny Lind & Denny Drive Sewer Relocation	Project No.:	6402-	Project Manager:		Date of Update:	31-Jan-20
Description:	Construction of approximately 650 feet of 6" small diameter gravity sewer main starting at manhole 10618 and ending at manhole 9441 along Jenny Lind and Denny Drive.				Justification:	Petition BOH Master Plan XL	Capacity Need Consent Order Other
Township	Pierce	Resolutions:		RAGP RADP RON RDTP	Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Annual Effect on Operations:	\$ 600 O&M/year	Easements Procured:		no	Special Conditions:		

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total
Preliminary Engineering										\$0
Date Complete:		\$15,000		\$15,000						\$15,000
Detail Plans										\$0
Date Complete:										\$0
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor		\$100,000			\$100,000					\$100,000
Misc		\$5,000			\$5,000					\$5,000
Total		\$120,000	\$0	\$15,000	\$105,000	\$0	\$0	\$0	\$0	\$120,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ 15,000	\$ 105,000	\$ -	\$ -	\$ -	\$ -	\$ 120,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	OPWC Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	OPWC Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

Directs flow away from Locust Lake Lift Station thereby reducing lift station overflows.

Problems:

Notes:

Field survey required to confirm constructability.
6" small diameter gravity sewer can be installed at 0.1 to 0.2% slope.

2020 Wastewater Capital Improvement - Project Summary

Project :	Lewis Road Trunk Sewer	Project No.:	6402-60170	Project Manager:	AK	Date of Update:	31-Jan-20	
Description:	5,500 feet of 12" trunk sewer along Lewis Road from the Belle Meade LS southwest to the new Lewis Road LS including a 500' bore under I-275.					Justification:	Petition BOH Master Plan XL LHR P2-T2 Capacity Need Consent Order Other	
Township	Miami	Resolutions:					Coordinates:	
Annual Effect on Operations:	\$ 1,000 O&M/year	RAGP RADP RON RDTP					Construction: Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Easements Procured:	No							
Special Conditions:								

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total
Preliminary Engineering										\$0
Date Complete:										
Detail Plans		\$114,800	\$90,210	\$24,590						\$114,800
Date Complete:										
Land/Easements		\$60,000		\$60,000						\$60,000
Construction Engineering and Inspection										\$0
General Contractor		\$1,313,000			\$600,000	\$713,000				\$1,313,000
Misc		\$18,600	\$8,600		\$10,000					\$18,600
Total		\$1,506,400	\$98,810	\$84,590	\$610,000	\$713,000	\$0	\$0	\$0	\$1,506,400
Funding Source:	Capital Improvement Fund	\$ 98,810	\$ 84,590	\$ 610,000	\$ 713,000	\$ -	\$ -	\$ -	\$ -	\$ 1,506,400
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
 Project eliminates the Belle Meade LS and transfers flow from the Miami Trails WWTP to the Wards Corner Regional WWTP

Problems:

Notes:

2020 Wastewater Capital Improvement - Project Summary

Project :	Liftstation Improvements	Project No.:	6402-	Project Manager:	AK	Date of Update:	31-Jan-20
Description:	Provides backup power generators for use during power outages at various lift stations in the collection system. Includes the necessary equipment/electrical improvements/modifications to complete and protect the new generators.					Justification:	Petition BOH Master Plan XL
Township	Countywide					Coordinates:	Capacity Need Consent Order Other
Annual Effect on Operations:	Varies	O&M/year	Resolutions: RAGP RADP RON RDTP			Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured:	NA						
Special Conditions:							

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total					
Preliminary Engineering										\$0					
Date Complete:															
Detail Plans										\$0					
Date Complete:															
Land/Easements										\$0					
Construction Engineering and Inspection										\$0					
General Contractor		\$630,000		\$120,000	\$120,000	\$120,000	\$120,000	\$150,000		\$630,000					
Misc										\$0					
Total		\$630,000	\$0	\$120,000	\$120,000	\$120,000	\$120,000	\$150,000	\$0	\$630,000					
Funding Source:	Capital Improvement Fund	\$	-	\$	120,000	\$	120,000	\$	120,000	\$	150,000	\$	-	\$	630,000
	Assessment	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
	Loan	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
	Grant	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-

Positive Aspects of Project:
Provides backup power supply at existing lift stations.

Problems:

Notes:
Tentative Schedule
2020 - Massey Court LS
2021 - Vineyard LS
2022 - Concord LS
2023 - Woodbridge LS
2024 - Diekman LS

2020 Wastewater Capital Improvement - Project Summary

Project :	LIMS/WIMS Upgrades	Project No.:	6402-60143	Project Manager:		Date of Update:	31-Jan-20	
Description:	Upgrade of the Laboratory and Water Information Management System (LIMS/WIMS) Software.						Justification:	Petition BOH Master Plan XL Capacity Need Consent Order Other
Township	Countywide						Coordinates:	
Annual Effect on Operations:	\$ -	O&M/yr	Resolutions:			RAGP RADP RON RDTP		Construction: Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured:	na							
Special Conditions:								

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total
Preliminary Engineering <i>Date Complete:</i>										\$0
Detail Plans <i>Date Complete:</i>										\$0
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor										\$0
Misc		\$46,590	\$39,850	\$6,740						\$46,590
Total		\$46,590	\$39,850	\$6,740	\$0	\$0	\$0	\$0	\$0	\$46,590
Funding Source:	Capital Improvement Fund	\$ -	\$ 39,850	\$ 6,740	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 46,590
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

Problems:

Notes:

2020 Wastewater Capital Improvement - Project Summary

Project :	Locust Lake Lift Station and Conveyance Improvements	Project No.:	6402-60141	Project Manager:	AK	Date of Update:	31-Jan-20		
Description:	Addition of approximately 7,100' of 8" force main from the Locust Lake Lift Station to the intersection of Chapel Road and Burnham Woods Dr to improve the pumping capacity at the lift station and limit the number of by passes. Includes lift station piping modifications & controls and the installation of a diesel generator.					Justification:	Petition BOH Master Plan	Capacity Need Consent Order Other	
Township	Batavia, Pierce and Village of Amelia					Coordinates:			
Annual Effect on Operations:	\$ 1,000 O&M/year	Resolutions:	RAGP RADP RON RDTP			Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:		
Easements Procured:	no								
Special Conditions:									

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total
Preliminary Engineering										
Date Complete:										
Detail Plans		\$99,080	\$98,280	\$800						\$99,080
Date Complete:	Geo-Tech	\$15,100	\$15,100							\$15,100
Land/Easements		\$2,350	\$1,850	\$500						\$2,350
Easement		\$1,750	\$1,750							\$1,750
Survey										
Construction Engineering and Inspection										
General Contractor		\$1,760,000		\$1,760,000						\$1,760,000
Misc		\$7,800	\$4,800	\$3,000						\$7,800
Permitting		\$8,200	\$8,200							\$8,200
Total		\$1,894,280	\$129,980	\$1,764,300	\$0	\$0	\$0	\$0	\$0	\$1,894,280
Funding Source:	Capital Improvement Fund	\$ 129,980	\$ 1,764,300	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,894,280
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
Improves capacity and adds redundancy

Problems:
Easements, traffic, bore under SR 125.

Notes:
Lining of 10" sanitary sewer is included in the Collection System Rehabilitation Projects.

2020 Wastewater Capital Improvement - Project Summary

Project :	Lower East Fork WWTP Expansion	Project No.:	6402-	Project Manager:		Date of Update:	31-Jan-20
Description:	Expansion of the Lower East Fork Wastewater Treatment Plant from 9 MGD to 14 MGD. Includes a 3rd Oxidation Ditch, Additional Clarifier, filters, and influent pumping. May also include fine screening at headworks or additional screening d/s of final clarifier splitter box.				Justification:	Petition BOH Master Plan XL	
Township	Miami	Resolutions:	RAGP RADP RON RDTP		Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Annual Effect on Operations:	\$ - O&M/year	Easements Procured:		N/A		Special Conditions:	
Capacity Need Consent Order Other							

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total
Preliminary Engineering		\$0								\$0
Date Complete:										
Detail Plans		\$650,000						\$650,000		\$650,000
Date Complete:										
Land/Easements		\$0								\$0
Construction Engineering and Inspection		\$500,000							\$500,000	\$500,000
General Contractor		\$13,000,000							\$13,000,000	\$13,000,000
Misc		\$0								\$0
Total		\$14,150,000	\$0	\$0	\$0	\$0	\$0	\$650,000	\$13,500,000	\$14,150,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 650,000	\$ 13,500,000	\$ 14,150,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
 Provides additional capacity for future development

Problems:

Notes:
 Avg daily flowin 2017 - 7.23 million gallons.
 Avg daily flowin 2018 - 8.10 million gallons.

2020 Wastewater Capital Improvement - Project Summary

Project :	Madingley Falls Sewer Oversizing	Project No.:	6402-	Project Manager:		Date of Update:	31-Jan-20
Description:	County contribution for oversized approximately 3,390 feet of 8" sanitary sewers to 12" sanitary sewers as part of the Madingley Falls Subdivision.				Justification:	Petition BOH Master Plan XL	
Township	Miami	Resolutions:	RAGP RADP RON RDTP		Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Annual Effect on Operations:	\$ 500 O&M/year						
Easements Procured:	na						
Special Conditions:	Coordinate with developer						

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total
Preliminary Engineering										\$0
Date Complete:										
Detail Plans										\$0
Date Complete:										
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor		\$63,890		\$63,890						\$63,890
Misc										\$0
Total		\$63,890	\$0	\$63,890	\$0	\$0	\$0	\$0	\$0	\$63,890
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ 63,890	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 63,890
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

Problems:

Notes:

2020 Wastewater Capital Improvement - Project Summary

Project :	Middle East Fork WWTP Improvements	Project No.:	6402-	Project Manager:		Date of Update:	31-Jan-20
Description:	Evaluation and recommendation for improvements to the WWTP, specifically the fine screens, grit removal, septic receiving station and aeration basin blowers, with the objective of increasing peak wet weather treatment capacity to 18.0 MGD. Recommendations will include future nutrient removal and equalization capacity.				Justification:	Petition ROH Master Plan XL MEF-P1-T1 Capacity Need Consent Order Other	
Township	Batavia				Coordinates:		
Annual Effect on Operations:	unknown	O&M/year	Resolutions: RAGP RADP RON RDTP		Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Easements Procured:	no						
Special Conditions:							

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total											
Preliminary Engineering		\$50,000		\$50,000						\$50,000											
Date Complete:																					
Detail Plans		\$200,000				\$200,000				\$200,000											
Date Complete:																					
Land/Easements										\$0											
Construction Engineering and Inspection										\$0											
General Contractor		\$3,000,000					\$3,000,000			\$3,000,000											
Misc		\$17,000				\$15,000	\$2,000			\$17,000											
Total		\$3,267,000	\$0	\$50,000	\$0	\$215,000	\$3,002,000	\$0	\$0	\$3,267,000											
Funding Source:	Capital Improvement Fund	\$	-	\$	50,000	\$	-	\$	215,000	\$	3,002,000	\$	-	\$	-	\$	-	\$	-	\$	3,267,000
	Assessment	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
	Loan	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
	Grant	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-

Positive Aspects of Project:

Problems:

Notes:
 Other Master Plan Projects:
 MEF-P2-T2
 MEF-P3-T3

2020 Wastewater Capital Improvement - Project Summary

Project :	Moeller Sewer Extension	Project No.:	6402-	Project Manager:		Date of Update:	31-Jan-20
Description:	County contribution for oversized approximately 600 feet of 8" sanitary sewers to 12" sanitary sewers, and installation of approximately 13 service laterals as part of the Moeller Athletic Complex Project.				Justification:	Petition BOH Master Plan XL	Capacity Need Consent Order Other
Township	Miami	Resolutions:			Construction:		
Annual Effect on Operations:	\$ 700 O&M/year	RAGP RADP RON RDTP			Bid Opening: Contract Award: Contract Execution: Notice to Proceed:		
Easements Procured:	no						
Special Conditions:	Coordination with private development						

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total
Preliminary Engineering										\$0
Date Complete:										
Detail Plans										\$0
Date Complete:										
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor		\$150,000		\$150,000						\$150,000
Misc										\$0
Total		\$150,000	\$0	\$150,000	\$0	\$0	\$0	\$0	\$0	\$150,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
Provides sanitary sewers for current and future connections.

Problems:

Notes:

2020 Wastewater Capital Improvement - Project Summary

Project :	Newtonsville Collection System Assessment	Project No.:	6402-60116	Project Manager:	CR	Date of Update:	31-Jan-20
Description:	Collection system for the former Village of Newtonsville and Surrounding/Adjacent Area.					Justification:	<div style="display: flex; align-items: center; gap: 10px;"> <div style="border: 1px solid black; border-radius: 50%; padding: 2px;">Petition</div> <div style="border: 1px solid black; border-radius: 50%; padding: 2px;">BOH</div> <div style="border: 1px solid black; border-radius: 50%; padding: 2px;">Master Plan</div> <div style="border: 1px solid black; border-radius: 50%; padding: 2px;">XL</div> <div style="border: 1px solid black; border-radius: 50%; padding: 2px;">11</div> <div style="border: 1px solid black; border-radius: 50%; padding: 2px;">SLC-P1-T1</div> <div style="border: 1px solid black; border-radius: 50%; padding: 2px;">Capacity Need</div> <div style="border: 1px solid black; border-radius: 50%; padding: 2px;">Consent Order</div> <div style="border: 1px solid black; border-radius: 50%; padding: 2px;">Other</div> </div>
Township	Wayne					Coordinates:	
Annual Effect on Operations:	\$ 2,500 O&M/Year	Resolutions:	RAGP RADP RON RDTP		Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Easements Procured:	No						
Special Conditions:							

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total
Preliminary Engineering		\$156,000	\$156,000							\$156,000
Date Complete:										
Detail Plans		\$350,550	\$326,650	\$23,900						\$350,550
Date Complete:	geotech	\$13,700	\$13,700							\$13,700
Land/Easements		\$252,000		\$252,000						\$252,000
Construction Engineering and Inspection		\$70,000			\$50,000	\$20,000				\$70,000
General Contractor		\$6,318,400			\$4,000,000	\$2,318,400				\$6,318,400
Misc		\$26,400	\$3,000	\$10,000	\$13,400					\$26,400
OPWC & USDA/RD Admin.		\$10,000		\$0	\$7,500	\$2,500				\$10,000
Total		\$7,197,050	\$499,350	\$285,900	\$4,070,900	\$2,340,900	\$0	\$0	\$0	\$7,197,050
Funding Source:	Capital Improvement Fund	\$ 417,485	\$ 285,900	\$ 4,070,900	\$ (4,395,235)	\$ -	\$ -	\$ -	\$ -	\$ 379,050
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan USDA/RD	\$ -	\$ -	\$ -	\$ 4,218,000	\$ -	\$ -	\$ -	\$ -	\$ 4,218,000
	Grant - USDA/RD & OPWC	\$ 81,865	\$ -	\$ -	\$ 2,518,135	\$ -	\$ -	\$ -	\$ -	\$ 2,600,000

Positive Aspects of Project:
 Provides sewer service to residents in the area of the former Village of Newtonsville and addresses failing on-site septic problems as identified by the BOH.
 Project identified in 2011 Waste Water Master Plan Update SLC-P1-T1.

Problems:

Notes:
 Grant/loan with USDA/RD - \$2M grant & \$4.218M loan at 2.25%.
 OPWC grant of \$1M split with WWTP.

2020 Wastewater Capital Improvement - Project Summary

Project:	Newtonsville WWTP	Project No.:	6402-60117	Project Manager:	CR	Date of Update:	31-Jan-20	
Description:	Waste Water Treatment Plant for the former Village of Newtonsville and Surrounding/Adjacent Area.					Justification:	Petition BOH 11 Master Plan XL SLC-P1-T1 Capacity Need Consent Order Other	
Township:	Wayne	Resolutions: RAGP RADP RON RDTP					Coordinates:	
Annual Effect on Operations:	\$ 35,000 O&M/year						Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured:	No							
Special Conditions:								

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total
Preliminary Engineering		\$104,280	\$104,280							\$104,280
Date Complete:										
Detail Plans		\$439,620	\$439,620							\$439,620
Date Complete:	geotech	\$10,500	\$10,500							\$10,500
Land/Easements		\$20,000		\$20,000						\$20,000
Construction Engineering and Inspection		\$461,160			\$300,000	\$161,160				\$461,160
General Contractor		\$4,174,500			\$3,000,000	\$1,174,500				\$4,174,500
Misc		\$22,600	\$2,500	\$10,000	\$5,100	\$5,000				\$22,600
OPWC & USDA/RD Admin.		\$10,000			\$7,500	\$2,500				\$10,000
		\$5,242,660	\$556,900	\$30,000	\$3,312,600	\$1,343,160	\$0	\$0	\$0	\$5,242,660
Funding Source:	Capital Improvement Fund	\$ 502,325	\$ 30,000	\$ 3,312,600	\$ (4,002,265)	\$ -	\$ -	\$ -	\$ -	\$ (157,340)
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ 4,000,000	\$ -	\$ -	\$ -	\$ -	\$ 4,000,000
	Grant - USDA/RD & OPWC	\$ -	\$ 54,575	\$ -	\$ -	\$ 1,345,425	\$ -	\$ -	\$ -	\$ 1,400,000

Positive Aspects of Project:
 Provides sewer service to residents in the area of the former Village of Newtonsville and addresses failing on-site septic problems as identified by the BOH.

Problems:
 Possible difficulty in acquiring land and NPDES Permit

Notes:
 Second Grant/Loan with USDA/RD up to \$1M grant & \$4M loan at 2.25%.
 OPWC grant of \$1M split with Collection System.

2020 Wastewater Capital Improvement - Project Summary

Project :	Nine Mile Collection System Improvements	Project No.:	6402-60148	Project Manager:	AK	Date of Update:	31-Jan-20
Description:	The project calls for the replacement of approximately 1,970 feet of existing sanitary sewer and the relocation of approximately 1,300 feet of existing sanitary sewer along Nine Mile Road, between manholes 6544 and 6349.					Justification:	Petition BOH Master Plan XL NML P1-01 Capacity Need Consent Order Other
Township	Pierce					Coordinates:	
Annual Effect on Operations:	\$ 1,500 O&M/year	Resolutions:	RAGP RADP RON RDTP		Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Easements Procured:	no						
Special Conditions:							

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total
Preliminary Engineering	ftch \$61,399	\$61,400	\$61,400							\$61,400
Detail Plans		\$181,900	\$18,000	\$163,900						\$181,900
Land/Easements		\$125,000			\$125,000					\$125,000
Construction Engineering and Inspection										\$0
General Contractor		\$5,300,000			\$2,000,000	\$3,300,000				\$5,300,000
Misc		\$20,000			\$20,000					\$20,000
Total		\$5,688,300	\$79,400	\$163,900	\$2,145,000	\$3,300,000	\$0	\$0	\$0	\$5,688,300
Funding Source:	Capital Improvement Fund	\$ 79,400	\$ 163,900	\$ 2,145,000	\$ 3,300,000	\$ -	\$ -	\$ -	\$ -	\$ 5,688,300
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
 Flow Monitoring took place in the spring of 2018.
 Project recommendations as part of the Preliminary Design Memorandum submitted December 2018.

Problems: Easements, Manpower, Materials, Weather, Costs, etc

Notes:
 EO Paving in 2022

2020 Wastewater Capital Improvement - Project Summary

Project :	Nine Mile WWTP Improvements	Project No.:	6402-60171	Project Manager:	TL	Date of Update:	31-Jan-20	
Description:	Replacement of fine screens. Improvements/automation of pumps, screens, and oxidation ditch gates to maintain peak treatment capacity of at least 9.0 MGD.					Justification:	Petition BOH <u>Master Plan</u> XL	Capacity <u>Need</u> NML P1-T1 Consent Order Other
Township	Pierce					Coordinates:		
Annual Effect on Operations:	\$ 5,000 O&M/year	Resolutions:	RAGP RADP RON RDTP		Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:		
Easements Procured:	na							
Special Conditions:								

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total
Preliminary Engineering	EES	\$60,630	\$60,630							\$60,630
Date Complete:										
Detail Plans		\$96,500		\$96,500						\$96,500
Date Complete:										
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor		\$1,200,000			\$1,200,000					\$1,200,000
Misc		\$12,000		\$10,000	\$2,000					\$12,000
Total		\$1,369,130	\$60,630	\$106,500	\$1,202,000	\$0	\$0	\$0	\$0	\$1,369,130
Funding Source:	Capital Improvement Fund	\$ 60,630	\$ 106,500	\$ 1,202,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,369,130
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
 Replacement of screens will eliminate the need to replace/maintain HVAC in screen building.
 Replaces aging/high maintenance equipment.

Problems:

Notes:
 Will use model results from Nine Mile Collection System Improvements Project.

2020 Wastewater Capital Improvement - Project Summary

Project :	O'Bannon Trunk Sewer Improvements	Project No.:	6402-60133	Project Manager:	AK	Date of Update:	31-Jan-20	
Description:	Improvements to approximately 15,600 feet of existing sanitary sewer along the O'Bannon Creek Trunk Sewer.						Justification:	Petition BOH Master Plan XL OBN P1-02 Consent Order Capacity Need Other
Township	Goshen						Coordinates:	
Annual Effect on Operations:	\$ 2,500 O&M/year	Resolutions:			Construction:			
Easements Procured:	no	RAGP RADP RON RDTP			Bid Opening: Contract Award: Contract Execution: Notice to Proceed:			
Special Conditions:								

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total
Preliminary Engineering	Hazen	\$158,840	\$158,840							\$158,840
Date Complete:										
Detail Plans	BBS (\$39,453)	\$39,460	\$39,460							\$39,460
Date Complete:	Future	\$225,000				\$225,000				\$225,000
Land/Easements		\$150,000				\$150,000				\$150,000
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$2,850,000					\$2,850,000			\$2,850,000
Misc		\$25,600	\$600			\$25,000				\$25,600
Total		\$3,448,900	\$198,900	\$0	\$0	\$400,000	\$2,850,000	\$0	\$0	\$3,448,900
Funding Source:	Capital Improvement Fund	\$ 198,900	\$ -	\$ -	\$ -	\$ 400,000	\$ 2,850,000	\$ -	\$ -	\$ 3,448,900
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
 Provides additional capacity for existing and future development and for excess wastewater flow during rain events

Problems:

Notes:
 fka O'Bannon Flow Equalization Facility
 The original equalization facility had OPWC pre/app funding in the amounts of \$1,000,000.00 loan and \$528,800.00 grant.
 It is anticipated that this project will apply for and receive future OPWC Grant and Loan funding.
 Flow Monitoring Study and report submitted in 2017. WWTP project to be completed prior to sewer replacement.

2020 Wastewater Capital Improvement - Project Summary

Project :	O'Bannon WWTP Bio-Solids Dewatering	Project No.:	6402-	Project Manager:		Date of Update:	31-Jan-20	
Description:	Installation of a new permanent centrifuge, shelter, and blowers to provide bio-solids dewatering.						Justification:	Petition BOH Master Plan XL Capacity Need Consent Order Other
Township	Goshen						Coordinates:	
Annual Effect on Operations:	\$ 10,000 O&M/year	Resolutions:			Construction:			Bid Opening:
Easements Procured:	na	RAGP RADP RON RDTP						Contract Award:
Special Conditions:							Contract Execution:	
								Notice to Proceed:

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total
Preliminary Engineering										\$0
Date Complete:										
Detail Plans		\$80,000							\$80,000	\$80,000
Date Complete:										
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor		\$1,100,000							\$1,100,000	\$1,100,000
Misc										\$0
Total		\$1,180,000	\$0	\$0	\$0	\$0	\$0	\$0	\$1,180,000	\$1,180,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,180,000	\$ 1,180,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
 Provides a dedicated covered centrifuge at the O'Bannon WWTP and replaces outdated blowers to the digesters.

Problems:

Notes:

2020 Wastewater Capital Improvement - Project Summary

Project :	O'Bannon WWTP Filter & Clarifier Improvements	Project No.:	6402-60142	Project Manager:	CR	Date of Update:	31-Jan-20		
Description:	Replacement of two existing low head filters and coresponding equipment with a single centralized 6.5 MGD filter unit and the addition of a second clarifier on the oxidation ditch side of the treatment plant. Also, included the evaluation of the plant's wet weather flow treatment capacity.					Justification:	Petition BOH Master Plan XL	OBN-P1-T1	Capacity Need Consent Order Other
Township	Goshen					Coordinates:			
Annual Effect on Operations:	TBD	O&M/year	Resolutions: RAGP RADP RON RDTP			Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:		
Easements Procured:	N/A								
Special Conditions:									

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total
Preliminary Engineering		\$60,000	\$60,000							\$60,000
Date Complete:										
Detail Plans		\$329,400	\$329,400							\$329,400
Date Complete:										\$0
Land/Easements										\$0
Construction Engineering and Inspection		\$198,700	\$105,300	\$93,400						\$198,700
General Contractor		\$4,616,000	\$3,027,000	\$1,589,000						\$4,616,000
Misc	Permit	\$16,600	\$16,600							\$16,600
	Geotech	\$7,600	\$7,600							\$7,600
Total		\$5,228,300	\$3,545,900	\$1,682,400	\$0	\$0	\$0	\$0	\$0	\$5,228,300
Funding Source:	Capital Improvement Fund	\$ 3,545,900	\$ 1,682,400	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,228,300
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
 Combines the two existing filter units into one, improved filter efficiency, reduction of filter backwashes.
 Increased peak wet water flow treatment/reduced bypasses.

Problems:

Notes:
 Recommendations - Addition of second clarifier for oxidation ditch side of treatment plant and new filters with 4.4 mgd capacity.

2020 Wastewater Capital Improvement - Project Summary

Project :	Old SR 74 Sewer Improvements	Project No.:	6402-	Project Manager:	TC	Date of Update:	31-Jan-20	
Description:	Adjustment and reconstruction of approximately 27 existing sanitary sewer manholes and castings along Old SR 74 as part of the Old SR 74 Widening Project.					Justification:	Petition BOH Master Plan XL	Capacity Need Consent Order Other
Township	Union					Coordinates:		
Annual Effect on Operations:	na	O&M/year	Resolutions: RAGP RADP RON RDTP			Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Easements Procured:	na							
Special Conditions:	Coordinate w/ TID Project							

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total	
Preliminary Engineering Date Complete:										\$0	
Detail Plans Date Complete:										\$0	
Land/Easements										\$0	
Construction Engineering and Inspection General Contractor		\$41,400	\$41,400							\$41,400	
Misc										\$0	
Total		\$41,400	\$41,400	\$0	\$0	\$0	\$0	\$0	\$0	\$41,400	
Funding Source:	Capital Improvement Fund	\$	41,400	\$	-	\$	-	\$	-	\$	41,400
	Assessment	\$	-	\$	-	\$	-	\$	-	\$	-
	Loan	\$	-	\$	-	\$	-	\$	-	\$	-
	Grant-Duke	\$	-	\$	-	\$	-	\$	-	\$	-

Positive Aspects of Project:

Problems:

Notes:
 Coordinate with TID Old SR 74 Widening - **Phase I** Project, CLE-CR171-Old 74, PID 82557

2020 Wastewater Capital Improvement - Project Summary

Project :	Olive Branch-Stonelick Sewer Extension	Project No.:	6402-	Project Manager:		Date of Update:	31-Jan-20
Description:	Extension of the sanitary sewer near the Olive Branch-Stonelick Interchange to serve unsewered areas and provide for elimination of the East Clough Lift Station				Justification:	Petition BOH Master Plan XL	
Township	Batavia & Union				Coordinates:		
Annual Effect on Operations:	\$ 1,300 O&M/year	Resolutions:	RAGP RADP RON RDTP		Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Easements Procured:	no						
Special Conditions:							

Capacity
Need
Consent Order
Other

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total
Preliminary Engineering	HNTB	\$20,000	\$20,000							\$20,000
Date Complete:										
Detail Plans		\$100,000				\$100,000				\$100,000
Date Complete:										
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor		\$1,600,000				\$1,600,000				\$1,600,000
Misc										\$0
Total		\$1,720,000	\$20,000	\$0	\$0	\$100,000	\$1,600,000	\$0	\$0	\$1,720,000
Funding Source:	Capital Improvement Fund	\$ 20,000	\$ -	\$ -	\$ -	\$ 100,000	\$ 1,600,000	\$ -	\$ -	\$ 1,720,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
 Provides sanitary sewer service to unsewered / undeveloped property to encourage economic development; Provides gravity sewers to eliminate the East Clough Lift Station. Preliminary Engineering to be coordinated with the TID road improvement. Preliminary Engineering will provide an approximate alignment and sewer sizing.

Problems:
 CIP Funds intended for oversizing costs

Notes:

2020 Wastewater Capital Improvement - Project Summary

Project :	Orchard Valley Lift Station Upgrade	Project No.:	6402-	Project Manager:		Date of Update:	31-Jan-20
Description:	Improvements to increase the lift station capacity to 2.2 MGD. Work to include modifications to the wet well and valve vault, replacement of pumps, piping, controls, electric service and site layout.				Justification:	Petition BOH Master Plan XL LEF-P1-15 Capacity Need Consent Order Other	
Township	Miami					Coordinates:	
Annual Effect on Operations:	\$ - O&M/year	Resolutions: RAGP RADP RON RDTP				Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured:	No						
Special Conditions:							

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total
Preliminary Engineering										\$0
Date Complete:										
Detail Plans		\$85,000				\$85,000				\$85,000
Date Complete:										
Land/Easements		\$15,000				\$15,000				\$15,000
Construction Engineering and Inspection										\$0
General Contractor		\$1,180,000					\$1,180,000			\$1,180,000
Misc		\$17,000					\$17,000			\$17,000
Total		\$1,297,000	\$0	\$0	\$0	\$100,000	\$1,197,000	\$0	\$0	\$1,297,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ 1,197,000	\$ -	\$ -	\$ 1,297,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

Problems:
Existing site location and easements

Notes:

2020 Wastewater Capital Improvement - Project Summary

Project :	Paving Improvements	Project No.:	6402-	Project Manager:	AK	Date of Update:	31-Jan-20
Description:	Repair, replacement and sealing of existing paving surfaces at various wastewater treatment plants and lift stations throughout the county.					Justification:	Petition BOH Master Plan XL Capacity <u>Need</u> Consent Order Other
Township	County Wide					Coordinates:	
Annual Effect on Operations:	Unk.	O&M/year	Resolutions: RAGP RADP RON RDTP			Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured:	N/A						
Special Conditions:							

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total
Preliminary Engineering Date Complete:		\$0								\$0
Detail Plans Date Complete:		\$10,000		\$10,000						\$10,000
Land/Easements		\$0								\$0
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$200,000			\$200,000					\$200,000
Misc		\$2,000		\$2,000						\$2,000
Total		\$212,000	\$0	\$12,000	\$200,000	\$0	\$0	\$0	\$0	\$212,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ 12,000	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ 212,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
Replaces aging infrastructure that is reaching the end of its useful life.

Problems:

Notes:

2020 Wastewater Capital Improvement - Project Summary

Project :	Pine Lane, Branch Hill Miamiville Road and Decade Lane Sewer Petition	Project No.:	6402-	Project Manager:		Date of Update:	31-Jan-20	
Description:	Installation of approximately 3,175 feet of 8" sanitary sewer and appurtenances to serve petitioners long pine Lane, Branch Hill Miamiville Road and Decade Lane.						Justification:	<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;"> Petition BOH Master Plan XL </div> <div style="text-align: center;"> Capacity Need Consent Order Other </div> </div>
Township	Maimi						Coordinates:	
Annual Effect on Operations:	\$ 1,100 O&M/year	Resolutions:			Construction:			
Easements Procured:	No	RAGP RADP RON RDTP			Bid Opening: Contract Award: Contract Execution: Notice to Proceed:			
Special Conditions:								

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total	
Preliminary Engineering		\$0								\$0	
Date Complete:											
Detail Plans		\$80,000		\$80,000						\$80,000	
Date Complete:											
Land/Easements		\$20,000			\$20,000					\$20,000	
Construction Engineering and Inspection		\$0								\$0	
General Contractor		\$635,000			\$200,000	\$435,000				\$635,000	
Misc		\$5,000			\$5,000					\$5,000	
Total		\$740,000	\$0	\$80,000	\$225,000	\$435,000	\$0	\$0	\$0	\$740,000	
Funding Source:	Capital Improvement Fund	\$	-	\$ 80,000	\$ 225,000	\$ (220,000)	\$	-	\$	-	\$ 85,000
	Assessment	\$	-	\$	-	\$ 655,000	\$	-	\$	-	\$ 655,000
	Loan	\$	-	\$	-	\$	-	\$	-	\$	-
	Grant	\$	-	\$	-	\$	-	\$	-	\$	-

Positive Aspects of Project:
 Eliminates septic systems and addresses petitions from Pine Lane and Branch Hill Miamiville Road

Problems: Easements, Manpower, Materials, Weather, etc.

Notes:

2020 Wastewater Capital Improvement - Project Summary

Project :	Polo Fields II Lift Station Improvements	Project No.:	6402-	Project Manager:		Date of Update:	31-Jan-20
Description:	Replacement of existing vacuum pump station and replace with submersible pumps per county standards. Project to include the addition of new valve vault and electric upgrades.				Justification:	Petition BOH Master Plan XL	<div style="border: 1px solid black; border-radius: 50%; padding: 2px; display: inline-block;">Capacity Need</div> <div style="border: 1px solid black; border-radius: 50%; padding: 2px; display: inline-block;">Consent Order</div> <div style="border: 1px solid black; border-radius: 50%; padding: 2px; display: inline-block;">Other</div>
Township					Pierce	Coordinates:	
Annual Effect on Operations:	\$ 500 O&M/year	Resolutions:	<div style="border: 1px solid black; padding: 2px;"> RAGP RADP RON RDTP </div>		Construction:	<div style="border: 1px solid black; padding: 2px;"> Bid Opening: Contract Award: Contract Execution: Notice to Proceed: </div>	
Easements Procured:	no						
Special Conditions:							

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total	
Preliminary Engineering		\$0								\$0	
Date Complete:											
Detail Plans		\$50,000				\$50,000				\$50,000	
Date Complete:											
Land/Easements		\$0								\$0	
Construction Engineering and Inspection		\$250,000					\$250,000			\$250,000	
General Contractor		\$0								\$0	
Misc		\$12,000				\$12,000				\$12,000	
Total		\$312,000	\$0	\$0	\$0	\$62,000	\$250,000	\$0	\$0	\$312,000	
Funding Source:	Capital Improvement Fund	\$	-	\$	-	\$	62,000	\$	250,000	\$	312,000
	Assessment	\$	-	\$	-	\$	-	\$	-	\$	-
	Loan	\$	-	\$	-	\$	-	\$	-	\$	-
	Grant	\$	-	\$	-	\$	-	\$	-	\$	-

Positive Aspects of Project:
The existing vacuum pump station is very inefficient.

Problems: Easements, Manpower, Materials, Weather, etc.

Notes:

2020 Wastewater Capital Improvement - Project Summary

Project :	Savannah Ridge Sewer Extension	Project No.:	6402-	Project Manager:	TC	Date of Update:	31-Jan-20	
Description:	Construction of approximately 2594' of 24", 527' of 15" and 3505' of 8" PVC sanitary sewer from Old SR 74 and Olive Branch Cemetery Road intersection to Redpetal Lane. CCWRD to contribute to the oversizing costs of the 24" sanitary sewer.					Justification:	Petition BOH Master Plan XL	Capacity Need Consent Order Other
Township	Batavia & Union					Coordinates:		
Annual Effect on Operations:	\$ -	O&M/year	Resolutions:			Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Easements Procured:	no		RAGP RADP RON RDTP					
Special Conditions:	CCWRD Contribution							

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total
Preliminary Engineering										\$0
Date Complete:										
Detail Plans										\$0
Date Complete:										
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor		\$133,000		\$133,000						\$133,000
Misc										\$0
Total		\$133,000	\$0	\$133,000	\$0	\$0	\$0	\$0	\$0	\$133,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ 133,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 133,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
 Provides sanitary sewer service to unsewered / undeveloped property to encourage economic development; Provides part of the sanitary sewers necessary to eliminate the East Clough Lift Station.

Problems:

Notes:
 MOU for \$132,155

2020 Wastewater Capital Improvement - Project Summary

Project :	Shayler Run - Segment E	Project No.:	6402-	Project Manager:		Date of Update:	31-Jan-20
Description:	Replacement of existing trunk sewer, beginning at Stonelick Olive Branch and Shayler Creek and following the east fork of Shayler creek to Amelia Olive Branch				Justification:	Petition BOH Master Plan XL LEF-P2-19 Capacity Need Consent Order Other	
Township	Batavia & Union Township				Coordinates:		
Annual Effect on Operations:	\$ 2,500 O&M/year	Resolutions:	RAGP RADP RON RDTP		Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Easements Procured:	No						
Special Conditions:							

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total
Preliminary Engineering										\$0
Date Complete:										
Detail Plans	SWS	\$156,600	\$156,600							\$156,600
Date Complete:										
Land/Easements		\$105,500	\$5,500				\$100,000			\$105,500
Construction Engineering and Inspection										\$0
General Contractor		\$990,000						\$990,000		\$990,000
Misc		\$13,860	\$1,860					\$12,000		\$13,860
Total		\$1,265,960	\$163,960	\$0	\$0	\$0	\$100,000	\$1,002,000	\$0	\$1,265,960
Funding Source:	Capital Improvement Fund	\$ 163,960	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ 1,002,000	\$ -	\$ 1,265,960
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
Conveys high wetweather flow

Problems:

Notes:
Potential coordination with TID project

2020 Wastewater Capital Improvement - Project Summary

Project :	Shayler Run Upstream Sewer Upgrade	Project No.:	6402-60138	Project Manager:		Date of Update:	31-Jan-20		
Description:	Replacement of approximately 4,900 feet of sewer main and the construction of a 3 million gallon storage facility.						Justification:	Petition BOH Master Plan XL LEF-P1-01 Capacity Need Consent Order Other	
Township	Union						Coordinates:		
Annual Effect on Operations:	\$ 1,000 O&M/year	Resolutions:			RAGP RADP RON RDTP			Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured:	No								
Special Conditions:									

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total
Preliminary Engineering		\$54,630	\$44,710	\$9,920						\$54,630
Date Complete:										
Detail Plans		\$50,000							\$50,000	\$50,000
Date Complete:										
Land/Easements		\$30,000							\$30,000	\$30,000
Construction Engineering and Inspection										\$0
General Contractor		\$530,000							\$530,000	\$530,000
Misc										\$0
Total		\$664,630	\$44,710	\$9,920	\$0	\$0	\$0	\$0	\$610,000	\$664,630
Funding Source:	Capital Improvement Fund	\$ 44,710	\$ 9,920	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 610,000	\$ 664,630
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
 Project identified in the WWMPU (LEF-P1-01)

Problems: Easements, Manpower, Materials, Weather, etc.

Notes:
 Project identified in the WWMPU (LEF-P1-01)
 Preliminary engineering included flow monitoring, model updating and recommendations for improvements.
 Preliminary Engineering Report dated Dec. 9, 2016, recommended rehab of existing collection system, re-evaluate and make improvements as needed.
 Construction estimate as recommended in PER.
 A portion of the Rehab work was included in Collection System Rehabilitation 2018.

2020 Wastewater Capital Improvement - Project Summary

Project :	Shepherd Road Lift Station Evaluation	Project No.:	6402-	Project Manager:		Date of Update:	31-Jan-20
Description:	Evaluation and recommendation of improvements to the existing Shepherd Road Lift Station and force mains. The evaluation and recommendations to include future growth & development, flow study, model calibration, capacity, pumps, electrical system, controls, force mains and long term lift station management.				Justification:	Petition BOH Master Plan XL LEF P1-16 Capacity Need Consent Order Other	
Township	Union				Coordinates:		
Annual Effect on Operations:	TBD	O&M/year	Resolutions: RAGP RADP RON RDTP		Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Easements Procured:	N/A						
Special Conditions:							

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total
Preliminary Engineering										\$0
Detail Plans		\$150,000			\$150,000					\$150,000
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor		\$1,150,000				\$1,150,000				\$1,150,000
Misc		\$12,000				\$12,000				\$12,000
Total		\$1,312,000	\$0	\$0	\$150,000	\$1,162,000	\$0	\$0	\$0	\$1,312,000
Capital Improvement Fund		\$ -	\$ -	\$ -	\$ 150,000	\$ 1,162,000	\$ -	\$ -	\$ -	\$ 1,312,000
Assessment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loan		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

Problems: Easements, Manpower, Materials, Weather, etc.

Notes:

2020 Wastewater Capital Improvement - Project Summary

Project :	SR 132 Lift Station Improvements	Project No.:	6402-60183	Project Manager:	TL	Date of Update:	31-Jan-20	
Description:	Evaluation and design of necessary improvements to the SR 132 Lift Station.					Justification:	Petition BOH Master Plan XL	Capacity Need Consent Order Other
Township	Stonelick					Coordinates:		
Annual Effect on Operations:	TBD	O&M/year	Resolutions: RAGP RADP RON RDTP			Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Easements Procured:	N/A							
Special Conditions:								

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total
Preliminary Engineering <i>Date Complete:</i>										\$0
Detail Plans <i>Date Complete:</i>		\$67,000		\$67,000						\$67,000
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor		\$200,000			\$200,000					\$200,000
Misc										\$0
Total		\$267,000	\$0	\$67,000	\$200,000	\$0	\$0	\$0	\$0	\$267,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ 67,000	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ 267,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

Problems:

Notes:

2020 Wastewater Capital Improvement - Project Summary

Project :	SR 132 Sewer Improvements	Project No.:	6402-	Project Manager:		Date of Update:	31-Jan-20
Description:	Sewer upgrades along SR 132 between SR 125 and Stable Trails. Replacement of approximately 7,060 feet of existing 12" sewer with 24" sewer, between manholes 12901 and 3490. includes flow monitoring, model calibration and confirmation of improvements.				Justification:	Petition Capacity BOH Need Master Plan MEF-P2-24 Consent Order XL Other	
Township	Batavia				Coordinates:		
Annual Effect on Operations:	\$ 1,200 O&M/year	Resolutions:	RAGP RADP RON RDTP		Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Easements Procured:	No						
Special Conditions:							

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total					
Preliminary Engineering		\$40,000					\$40,000			\$40,000					
Date Complete:															
Detail Plans		\$100,000					\$100,000			\$100,000					
Date Complete:															
Land/Easements		\$60,000						\$60,000		\$60,000					
Construction Engineering and Inspection		\$0								\$0					
General Contractor		\$1,412,000						\$1,412,000		\$1,412,000					
Misc		\$0								\$0					
Total		\$1,612,000	\$0	\$0	\$0	\$0	\$140,000	\$1,472,000	\$0	\$1,612,000					
Funding Source:	Capital Improvement Fund	\$	-	\$	-	\$	-	\$	140,000	\$	1,472,000	\$	-	\$	1,612,000
	Assessment	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
	Loan	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
	Grant	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-

Positive Aspects of Project:
 Preliminary Engineering to include flow monitoring to verify / identify capacity restriction, actual peak flows, etc.
 Addresses spans of sewer that were installed at minimum slope and act as capacity restrictions
 Part of project identified in the WWMPU (MEF-P2-24)

Problems:

Notes:

2020 Wastewater Capital Improvement - Project Summary

Project :	SR 32 at Bach Buxton Sewer Relocation	Project No.:	6402-	Project Manager:		Date of Update:	31-Jan-20
Description:	Relocation and modifications to approximately 780 feet of existing sanitary sewers as part of the ODOT CLE-32-3.50 (Phase 5), Eastern Corridor Segment IVa Project.				Justification:	Petition BOH Master Plan XL	Capacity Need Consent Order Other
Township	Union				Coordinates:		
Annual Effect on Operations:	O&M/year	Resolutions:	RAGP RADP RON RDTP		Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Easements Procured:	N/A						
Special Conditions:	Coordinate w/ ODOT project						

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total	
Preliminary Engineering										\$0	
Date Complete:											
Detail Plans										\$0	
Date Complete:											
Land/Easements										\$0	
Construction Engineering and Inspection										\$0	
General Contractor		\$52,000				\$52,000				\$52,000	
Misc										\$0	
Total		\$52,000	\$0	\$0	\$0	\$52,000	\$0	\$0	\$0	\$52,000	
Funding Source:	Capital Improvement Fund	\$	-	\$	-	\$	-	\$	-	\$	52,000
	Assessment	\$	-	\$	-	\$	-	\$	-	\$	-
	Loan	\$	-	\$	-	\$	-	\$	-	\$	-
	Grant	\$	-	\$	-	\$	-	\$	-	\$	-

Positive Aspects of Project:

Problems:

Notes:
ODOT CLE-32-3.50 (Phase 5), Eastern Corridor Segment IVa Project.

2020 Wastewater Capital Improvement - Project Summary

Project :	Utility Relocations	Project No.:	6402-60001	Project Manager:		Date of Update:	31-Jan-20		
Description:	ODOT - Utility relocations for ODOT projects and roadway improvements.						Justification:	Petition BOH Master Plan XL	Capacity Need Consent Order Other
Township	Countywide						Coordinates:		
Annual Effect on Operations:	N/A	O&M/year	Resolutions:			RAGP RADP RON RDTP	Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Easements Procured:	N/A								
Special Conditions:									

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total	
Preliminary Engineering										\$0	
Date Complete:											
Detail Plans										\$0	
Date Complete:											
Land/Easements										\$0	
Construction Engineering and Inspection										\$0	
General Contractor		\$600,000		\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$600,000	
Misc										\$0	
Total		\$600,000	\$0	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$600,000	
Funding Source:	Capital Improvement Fund	\$	-	\$	100,000	\$	100,000	\$	100,000	\$	600,000
	Assessment	\$	-	\$	-	\$	-	\$	-	\$	-
	Loan	\$	-	\$	-	\$	-	\$	-	\$	-
	Grant	\$	-	\$	-	\$	-	\$	-	\$	-

Positive Aspects of Project:

Problems:

Notes:
 2019 - Eastern Corridor Segment IVa-Phase 2 \$4,300.
 2019 - Eastern Corridor Segment IVa-Phase 6 \$6,000.
 2019 - ODOT CLE -32-0.63, PID No. 99839; aka SR 32 Improvements at Bell's Lane, \$9500.

2020 Wastewater Capital Improvement - Project Summary

Project :	Wastewater Model Maintenance	Project No.:	6402-60144	Project Manager:	CR	Date of Update:	31-Jan-20		
Description:	Annual contract to provide monitoring, modeling, and maintenance services related to the existing CCWRD sanitary sewer model.						Justification:	Petition BOH Master Plan XL	Capacity Need Consent Order Other
Township	Countywide						Coordinates:		
Annual Effect on Operations:	\$ - O&M/year	Resolutions:	RAGP RADP RON RDTP			Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:		
Easements Procured:	N/A								
Special Conditions:									

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total
Preliminary Engineering Date Complete:										\$0
Detail Plans Date Complete:		\$191,600	\$16,600	\$37,500	\$37,500	\$25,000	\$25,000	\$25,000	\$25,000	\$191,600
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor										\$0
Misc										\$0
Total		\$191,600	\$16,600	\$37,500	\$37,500	\$25,000	\$25,000	\$25,000	\$25,000	\$191,600
Funding Source:	Capital Improvement Fund	\$ 16,600	\$ 37,500	\$ 37,500	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 191,600
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

Problems:

Notes:
Two year contract with option for a third year starting in 2020.

2020 Wastewater Capital Improvement - Project Summary

Project :	Wastewater Stream Revetment	Project No.:	6402-60049	Project Manager:			
Description:	Improvements to existing infrastructure to protect against damage from creeks and/or storm water.				Date of Update:	31-Jan-20	
Township	Countywide	Justification:	Petition BOH Master Plan XL			Capacity Need Consent Order Other	
Annual Effect on Operations:	\$ - O&M/year	Resolutions:	RAGP RADP RON RDTP			Coordinates:	
Easements Procured:	No	Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:				
Special Conditions:							

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total
Preliminary Engineering										\$0
Date Complete:										
Detail Plans										\$0
Date Complete:										
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor		\$250,000		\$50,000	\$50,000	\$50,000	\$50,000	\$50,000		\$250,000
Misc										\$0
Total		\$250,000	\$0	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$0	\$250,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ -	\$ 250,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
 Protection of sanitary infrastructure from stormwater & stream erosion.

Problems:

Locations:
 MH 5283-5291, pipe segment #1942.

Notes:

2020 Wastewater Capital Improvement - Project Summary

Project :	Wastewater Treatment Plant Rehabilitation	Project No.:	6402-	Project Manager:		Date of Update:	31-Jan-20	
Description:	This work will include rehabilitation of existing portions of the treatment plants that have reached the end of their useful life.						Justification:	Petition BOH Master Plan XL Capacity Need Consent Order Other
Township	Countywide						Coordinates:	
Annual Effect on Operations:	\$ - O&M/year	Resolutions:	RAGP RADP RON RDTP			Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Easements Procured:	na							
Special Conditions:								

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total
Preliminary Engineering										\$0
Date Complete:										
Detail Plans										\$0
Date Complete:										
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor		\$2,000,000			\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$2,000,000
Misc										\$0
Total		\$2,000,000	\$0	\$0	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$2,000,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ -	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 2,000,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

Problems:

Notes:

2020 Wastewater Capital Improvement - Project Summary

Project :	White Oak Lift Station Relocation & Upgrade	Project No.:	6402-	Project Manager:		Date of Update:	31-Jan-20		
Description:	Project calls for the relocation and upgrade of the existing White Oak Lift Station. Includes the replacement of the existing 4" force main.						Justification:	Petition BOH Master Plan XL	Capacity Need Consent Order Other
Township	Pierce							Coordinates:	
Annual Effect on Operations:	\$ 500 O&M/year	Resolutions:			RAGP RADP RON RDTP		Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Easements Procured:	no								
Special Conditions:									

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total
Preliminary Engineering		\$0								\$0
Date Complete:										
Detail Plans		\$30,000		\$30,000						\$30,000
Date Complete:										
Land/Easements		\$5,000			\$5,000					\$5,000
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$250,000			\$250,000					\$250,000
Misc		\$2,000			\$2,000					\$2,000
Total		\$287,000	\$0	\$30,000	\$257,000	\$0	\$0	\$0	\$0	\$287,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ 30,000	\$ 257,000	\$ -	\$ -	\$ -	\$ -	\$ 287,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
Relocation should address the potential for basement backups in the area.

Problems:
Easement

Notes:
Located at 3579 Hunting Creek

2020 Wastewater Capital Improvement - Project Summary

Project :	Whitmer Road Sewer Petition	Project No.:	6402-	Project Manager:	TL	Date of Update:	31-Jan-20
Description:	Installation of approximately 250 linear feet of 8" PVC sanitary sewer main and appurtenances, including one manhole, to serve residents along Whitmer Road.					Justification:	Petition BOH Master Plan XL Capacity Need Consent Order Other
Township	Stonelick					Coordinates:	
Annual Effect on Operations:	\$ 500 O&M/year	Resolutions:	RAGP RADP RON RDTP		Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Easements Procured:	No						
Special Conditions:	Combined with water petition						

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total
Preliminary Engineering										\$0
Date Complete:										
Detail Plans		\$3,750		\$3,750						\$3,750
Date Complete:										
Land/Easements		\$2,000		\$2,000						\$2,000
Construction Engineering and Inspection										\$0
General Contractor		\$58,400		\$58,400						\$58,400
Misc		\$5,000		\$5,000						\$5,000
Total		\$69,150	\$0	\$69,150	\$0	\$0	\$0	\$0	\$0	\$69,150
Funding Source:	Capital Improvement Fund	\$	-	\$ 69,150	\$ (58,400)	\$	-	\$	-	\$ 10,750
	Assessment	\$	-	\$	58,400	\$	-	\$	-	\$ 58,400
	Loan	\$	-	\$	-	\$	-	\$	-	\$
	Grant	\$	-	\$	-	\$	-	\$	-	\$

Positive Aspects of Project:
 Provides a public sewers to area of Whitmer Road without public sewer service.

Problems:

Notes: