

2020 Water Capital Improvement - Project Summary

Sources of Funds

Construction Fund (Balance 12/31/19)		
County Held Construction Funds	\$	11,966,889 [1]
County Held Operating fund over \$2.5M	\$	917,944
Total On Hand	<u>\$</u>	<u>12,884,834</u>
Additional Funds		
From Operations for Capital Contribution includes Interest Income (Hist average with estimated increase for new meters)	\$	11,010,000
From Operations due to debt payment	\$	12,000,000
From Operations - System Capacity Charges: (Avg \$1.197M/Yr)	\$	6,000,000
Grants OPWC	\$	1,600,000
Assessment	\$	892,835
Sewer contribution to Meter Replacement	\$	140,175
Total Source of Funds	<u>\$</u>	<u>44,527,844</u>
Replacement & Improvement Requirement not required when bonds paid off		
Capital Improvement Fund Contingency	\$	(5,000,000)
 Available Funding for 2020- 2024 Construction Projects:	 <u>\$</u>	 <u>39,527,844</u>

[1] The Water Source Protection fund is to be utilized only for projects designed to protect our raw water resources from degradation of quality.

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

2020 Waterworks Capital Improvement - Project Summary

Project #	Description	Planned	Prior Yr. CTD	2020	2021	2022	2023	2024	2025-Beyond	Total	*Adj. 5 Year Total
6401-	Afton & Goshen Elevated Water Storage Tanks - Insp., Eval., Rehab., & Coatings Appl.	680,000	-	20,000	660,000	-	-	-	-	680,000	680,000
6401-	Aicholtz Road WM Replacement (Eastgate Blvd to Glen Este-Withamsville Rd)	820,000	-	-	-	820,000	-	-	-	820,000	820,000
6401-60186	Arc Flash Analysis & Labeling	125,000	-	125,000	-	-	-	-	-	125,000	125,000
6401-	Bach Buxton Water Main Replacement	200,000	-	-	200,000	-	-	-	-	200,000	200,000
6401-	BMW Bulk Chemical Tank Replacement	213,000	-	213,000	-	-	-	-	-	213,000	213,000
6401-60175	BMW Floc/Sed Basins 1 & 2 and Lake Intake Structure Eval., Rehab. & Painting	731,400	5,550	725,850	-	-	-	-	-	731,400	725,850
6401-	BMW Roof Replacement Phase II	330,000	-	-	-	-	330,000	-	-	330,000	330,000
6401-	Branch Hill Guinea Road WM Replacement (Branch Hill Miamiville to Wards Corner Road)	1,831,000	-	-	-	-	160,000	1,671,000	-	1,831,000	1,831,000
6401-60172	Branch Hill Guinea Road WM Replacement (Bridlepath to Murle & Jer-Les to Glen Echo)	1,902,760	69,760	1,833,000	-	-	-	-	-	1,902,760	1,833,000
6401-	Branch Hill Miamiville Road WM Replacement	1,905,000	-	-	150,000	1,755,000	-	-	-	1,905,000	1,905,000
6401-	Buckwheat Elevated Tank Inspection, Evaluation and Maintenance	765,000	-	-	-	15,000	750,000	-	-	765,000	765,000
6401-	Buckwheat Transmission Main	16,500,000	-	-	-	-	-	-	16,500,000	16,500,000	-
6401-	Business 28 Water Main Replacement	1,005,000	-	-	-	120,000	885,000	-	-	1,005,000	1,005,000
6401-60037	Cherry Grove 1 MG Tank (1020)	2,600,450	88,450	-	-	40,000	1,372,000	1,100,000	-	2,600,450	2,512,000
6401-	Computerized Maintenance Management System (CMMS)	150,000	-	-	-	150,000	-	-	-	150,000	150,000
6401-	Day Heights Elevated Tank Inspection, Evaluation and Maintenance	672,000	-	-	-	15,000	657,000	-	-	672,000	672,000
6401-	Day Heights Tank to SR 131 Loop	360,600	-	-	28,000	332,600	-	-	-	360,600	360,600
6401-60162	Elwynn, Deblin, Teakwood, & Berdova WM Replacement	1,057,140	94,640	502,500	460,000	-	-	-	-	1,057,140	962,500
6401-	Fay Road Water Main Replacement	525,000	-	-	-	85,000	440,000	-	-	525,000	525,000
6401-60158	Glendale & Glen Willow WM Replacement	767,555	71,755	695,800	-	-	-	-	-	767,555	695,800
6401-	Hopper Hill Road Water Main Replacement	1,075,000	-	100,000	975,000	-	-	-	-	1,075,000	1,075,000

2020 Waterworks Capital Improvement - Project Summary

Project #	Description	Planned	Prior Yr. CTD	2020	2021	2022	2023	2024	2025-Beyond	Total	*Adj. 5 Year Total
6401-60181	James E Sauls Drive Transmission Main	1,655,040	-	111,040	1,544,000	-	-	-	-	1,655,040	1,655,040
6401-	Lewis Road Elevated Tank Removal	25,000	-	-	-	-	-	25,000	-	25,000	25,000
6401-60163	McPicken Road WM Replacement	379,510	21,425	358,085	-	-	-	-	-	379,510	358,085
6401-60163	Menno Drive WM Replacement	196,040	13,010	183,030	-	-	-	-	-	196,040	183,030
6401-60130	Meter Upgrades-System Wide	8,829,375	8,549,025	150,000	130,350	-	-	-	-	8,829,375	280,350
6401-60165	Miamiville Area Water Main Replacement	890,300	82,000	808,300	-	-	-	-	-	890,300	808,300
6401-	Miamiville Elevated Tank Inspection, Evaluation and Maintenance	360,000	-	-	-	10,000	350,000	-	-	360,000	360,000
6401-60151	Milford Hills Dr. & Brooklyn Ave. Area WM Replacement	854,760	725,070	129,690	-	-	-	-	-	854,760	129,690
6401-60178	Nine Mile-Bradbury Transmission Main	1,168,800	14,280	323,520	65,000	766,000	-	-	-	1,168,800	1,154,520
6401-	Old SR 74 WM Replacement - GEW to Eastgate Blvd	830,000	-	-	-	30,000	800,000	-	-	830,000	830,000
6401-60188	Old SR 74 WM Replacement - GEW to Schoolhouse	1,429,280	1,429,280	-	-	-	-	-	-	1,429,280	-
6401-	Old SR 74 WM Replacement - Schoolhouse to Heitman	528,000	-	13,000	-	515,000	-	-	-	528,000	528,000
6401-	Owensville Elevated Tank Evaluation, Rehabilitation & Coatings Applicationg	317,000	-	-	-	-	-	15,000	302,000	317,000	15,000
6401-	Paving Improvements	212,000	-	10,000	202,000	-	-	-	-	212,000	212,000
6401-	Price Road Water Main Replacement	1,325,450	-	150,000	1,175,450	-	-	-	-	1,325,450	1,325,450
6401-	PUB WTP Generator Installations	350,000	-	-	-	-	-	-	350,000	350,000	-
6401-60166	PUB WTP Well Field Control Tower for Wells 17-20	402,870	50,270	352,600	-	-	-	-	-	402,870	352,600
6401-60089	PUB Well Field Development	334,880	34,880	-	-	-	-	-	300,000	334,880	-
6401-	PUB Well Field Rehabilitation	800,000	-	200,000	200,000	200,000	200,000	-	-	800,000	800,000
6401-	Round Bottom Road Water Main Replacement	200,000	-	200,000	-	-	-	-	-	200,000	200,000
6401-60182	SR 125 Water Main Replacement	465,750	91,000	22,750	352,000	-	-	-	-	465,750	374,750
6401-	SR 131 Elevated Tank Evaluation, Rehabilitation & Coatings Application	392,000	-	-	-	-	-	15,000	377,000	392,000	15,000

2020 Waterworks Capital Improvement - Project Summary

Project #	Description	Planned	Prior Yr. CTD	2020	2021	2022	2023	2024	2025-Beyond	Total	*Adj. 5 Year Total
6401-	SR 132 North of Judd Road	412,000	-	-	-	35,000	377,000	-	-	412,000	412,000
6401-60152	SR 132 Water Service Connections	105,200	5,200	100,000	-	-	-	-	-	105,200	100,000
6401-60167	SR 132 WM Replacement (SR 48 to SR 28)	1,338,800	63,800	535,000	740,000	-	-	-	-	1,338,800	1,275,000
6401-60153	SR 28 WM Replacement (Buckwheat to Branch Hill Guinea)	952,220	76,020	876,200	-	-	-	-	-	952,220	876,200
6401-	SR 48 & Gibson Rd - New 1 MG Tank	2,050,000	-	-	-	-	-	-	2,050,000	2,050,000	-
6401-60159	SR 48 & SR 28 Water Main Replacement	1,685,570	854,570	831,000	-	-	-	-	-	1,685,570	831,000
6401-	Summit Elevated Tank Evaluation, Rehabilitation & Coatings Application	550,600	3,450	5,150	-	542,000	-	-	-	550,600	547,150
6401-60149	Taylor Avenue Water Petition	58,120	54,670	3,450	-	-	-	-	-	58,120	3,450
6401-60021	Tealtown / Sugar Camp Transmission Main	753,190	153,190	-	-	-	-	-	600,000	753,190	-
6401-60001	Utility Relocations	900,000	-	100,000	100,000	150,000	150,000	200,000	200,000	900,000	700,000
6401-60156	Water Distribution Model Maintenance	250,000	64,200	60,800	25,000	25,000	25,000	25,000	25,000	250,000	160,800
6401-	Water Main Replacement Program	6,819,000	-	-	-	990,000	-	2,079,000	3,750,000	6,819,000	3,069,000
6401-60082	Watershed/Wellhead Protection	354,400	54,400	50,000	50,000	50,000	50,000	50,000	50,000	354,400	250,000
6401-	Weaver Road Water Petition	26,360	1,860	24,500	-	-	-	-	-	26,360	24,500
6401-	Whitmer Road Water Petition	139,590	-	8,250	131,340	-	-	-	-	139,590	139,590
TOTAL		72,557,010	12,671,755	9,821,515	7,188,140	6,645,600	6,546,000	5,180,000	24,504,000	72,557,010	35,381,255

2020 Water Capital Improvement - Project Summary

Description	Funding Source	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total	*Adj. 5 Yr Total
Afton & Goshen Elevated Water Storage Tanks - Insp., Eval., Rehab., & Coatings Appl.	Capital Improvement Fund	680,000	-	20,000	660,000	-	-	-	-	680,000	680,000
	Assessment	-	-	20,000	660,000	-	-	-	-	680,000	680,000
	Loan	-	-	-	-	-	-	-	-	-	-
	Grant	-	-	-	-	-	-	-	-	-	-
Aicholtz Road WM Replacement (Eastgate Blvd to Glen Este-Withamsville Rd)	Capital Improvement Fund	820,000	-	-	-	820,000	-	-	-	820,000	820,000
	Assessment	-	-	-	-	820,000	-	-	-	820,000	820,000
	Loan	-	-	-	-	-	-	-	-	-	-
	Grant	-	-	-	-	-	-	-	-	-	-
Arc Flash Analysis & Labeling	Capital Improvement Fund	125,000	-	125,000	-	-	-	-	-	125,000	125,000
	Assessment	-	-	125,000	-	-	-	-	-	125,000	125,000
	Loan	-	-	-	-	-	-	-	-	-	-
	Grant	-	-	-	-	-	-	-	-	-	-
Bach Buxton Water Main Replacement	Capital Improvement Fund	200,000	-	-	200,000	-	-	-	-	200,000	200,000
	Assessment	-	-	-	200,000	-	-	-	-	200,000	200,000
	Loan	-	-	-	-	-	-	-	-	-	-
	Grant	-	-	-	-	-	-	-	-	-	-
BMW Bulk Chemical Tank Replacement	Capital Improvement Fund	213,000	-	213,000	-	-	-	-	-	213,000	213,000
	Assessment	-	-	213,000	-	-	-	-	-	213,000	213,000
	Loan	-	-	-	-	-	-	-	-	-	-
	OPWC Grant	-	-	-	-	-	-	-	-	-	-
BMW Floc/Sed Basins 1 & 2 and Lake Intake Structure Eval., Rehab. & Painting	Capital Improvement Fund	731,400	5,550	725,850	-	-	-	-	-	731,400	725,850
	Assessment	-	5,550	725,850	-	-	-	-	-	731,400	725,850
	Loan	-	-	-	-	-	-	-	-	-	-
	Grant	-	-	-	-	-	-	-	-	-	-
BMW Roof Replacement Phase II	Capital Improvement Fund	330,000	-	-	-	-	330,000	-	-	330,000	330,000
	Assessment	-	-	-	-	-	330,000	-	-	330,000	330,000
	Loan	-	-	-	-	-	-	-	-	-	-
	Grant	-	-	-	-	-	-	-	-	-	-
Branch Hill Guinea Road WM Replacement (Branch Hill Miamiville to Wards Corner Road)	Capital Improvement Fund	1,831,000	-	-	-	-	160,000	1,671,000	-	1,831,000	1,831,000
	Assessment	-	-	-	-	-	160,000	1,671,000	-	1,831,000	1,831,000
	Loan	-	-	-	-	-	-	-	-	-	-
	Grant	-	-	-	-	-	-	-	-	-	-
Branch Hill Guinea Road WM Replacement (Bridlepath to Murle & Jer-Les to Glen Echo)	Capital Improvement Fund	1,902,760	69,760	1,833,000	-	-	-	-	-	1,902,760	1,833,000
	Assessment	-	69,760	1,833,000	-	-	-	-	-	1,902,760	1,833,000
	Loan	-	-	-	-	-	-	-	-	-	-
	Grant	-	-	-	-	-	-	-	-	-	-
Branch Hill Miamiville Road WM Replacement	Capital Improvement Fund	1,905,000	-	-	150,000	1,755,000	-	-	-	1,905,000	1,905,000
	Assessment	-	-	-	150,000	1,755,000	-	-	-	1,905,000	1,905,000
	Loan	-	-	-	-	-	-	-	-	-	-

2020 Water Capital Improvement - Project Summary

Description	Funding Source	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total	*Adj. 5 Yr Total
Buckwheat Elevated Tank Inspection, Evaluation and Maintenance	Grant	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	765,000	-	-	-	15,000	750,000	-	-	765,000	765,000
	Assessment	-	-	-	-	15,000	750,000	-	-	765,000	765,000
	Loan	-	-	-	-	-	-	-	-	-	-
Buckwheat Transmission Main	Grant	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	16,500,000	-	-	-	-	-	-	16,500,000	16,500,000	-
	Assessment	-	-	-	-	-	-	-	16,500,000	16,500,000	-
	Loan	-	-	-	-	-	-	-	-	-	-
Business 28 Water Main Replacement	Grant	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	1,005,000	-	-	-	120,000	885,000	-	-	1,005,000	1,005,000
	Assessment	-	-	-	-	120,000	885,000	-	-	1,005,000	1,005,000
	Loan	-	-	-	-	-	-	-	-	-	-
Cherry Grove 1 MG Tank (1020)	Grant	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	2,600,450	88,450	-	-	40,000	1,372,000	1,100,000	-	2,600,450	2,512,000
	Assessment	-	88,450	-	-	40,000	1,372,000	1,100,000	-	2,600,450	2,512,000
	Loan	-	-	-	-	-	-	-	-	-	-
Computerized Maintenance Management System (CMMS)	Grant	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	150,000	-	-	-	150,000	-	-	-	150,000	150,000
	Assessment	-	-	-	-	150,000	-	-	-	150,000	150,000
	Loan	-	-	-	-	-	-	-	-	-	-
Day Heights Elevated Tank Inspection, Evaluation and Maintenance	Grant	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	672,000	-	-	-	15,000	657,000	-	-	672,000	672,000
	Assessment	-	-	-	-	15,000	657,000	-	-	672,000	672,000
	Loan	-	-	-	-	-	-	-	-	-	-
Day Heights Tank to SR 131 Loop	Grant	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	360,600	-	-	28,000	332,600	-	-	-	360,600	360,600
	Assessment	-	-	-	28,000	332,600	-	-	-	360,600	360,600
	Loan	-	-	-	-	-	-	-	-	-	-
Elwynn, Deblin, Teakwood, & Berdova WM Replacement	Grant	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	1,057,140	94,640	502,500	460,000	-	-	-	-	1,057,140	962,500
	Assessment	-	94,640	502,500	60,000	-	-	-	-	657,140	562,500
	Loan	-	-	-	-	-	-	-	-	-	-
Fay Road Water Main Replacement	Grant	-	-	-	400,000	-	-	-	-	400,000	400,000
	Capital Improvement Fund	525,000	-	-	-	85,000	440,000	-	-	525,000	525,000
	Assessment	-	-	-	-	85,000	440,000	-	-	525,000	525,000
	Loan	-	-	-	-	-	-	-	-	-	-
Glendale & Glen Willow WM Replacement	Grant	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	767,555	71,755	695,800	-	-	-	-	-	767,555	695,800
	Assessment	-	71,755	695,800	-	-	-	-	-	767,555	695,800
	Loan	-	-	-	-	-	-	-	-	-	-

2020 Water Capital Improvement - Project Summary

Description	Funding Source	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total	*Adj. 5 Yr Total
Hopper Hill Road Water Main Replacement	Grant	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	1,075,000	-	100,000	975,000	-	-	-	-	1,075,000	1,075,000
	Assessment	-	-	100,000	975,000	-	-	-	-	1,075,000	1,075,000
	Loan Grant	-	-	-	-	-	-	-	-	-	-
James E Sauls Drive Transmission Main	-	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	1,655,040	-	111,040	1,544,000	-	-	-	-	1,655,040	1,655,040
	Assessment	-	-	111,040	1,544,000	-	-	-	-	1,655,040	1,655,040
	Loan Grant	-	-	-	-	-	-	-	-	-	-
Lewis Road Elevated Tank Removal	-	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	25,000	-	-	-	-	-	25,000	-	25,000	25,000
	Assessment	-	-	-	-	-	-	25,000	-	25,000	25,000
	Loan Grant	-	-	-	-	-	-	-	-	-	-
McPicken Road WM Replacement	-	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	379,510	21,425	358,085	-	-	-	-	-	379,510	358,085
	Assessment	-	21,425	358,085	-	-	-	-	-	379,510	358,085
	Loan Grant	-	-	-	-	-	-	-	-	-	-
Menno Drive WM Replacement	-	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	196,040	13,010	183,030	-	-	-	-	-	196,040	183,030
	Assessment	-	13,010	183,030	(170,000)	-	-	-	-	26,040	13,030
	Loan Grant	-	-	-	170,000	-	-	-	-	170,000	170,000
Meter Upgrades-System Wide	-	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	8,829,375	8,549,025	150,000	130,350	-	-	-	-	8,829,375	280,350
	Assessment	-	8,549,025	150,000	130,350	-	-	-	-	8,829,375	280,350
	Loan Grant	-	-	-	-	-	-	-	-	-	-
Miamiville Area Water Main Replacement	-	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	890,300	82,000	808,300	-	-	-	-	-	890,300	808,300
	Assessment	-	82,000	808,300	-	-	-	-	-	890,300	808,300
	Loan Grant	-	-	-	-	-	-	-	-	-	-
Miamiville Elevated Tank Inspection, Evaluation and Maintenance	-	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	360,000	-	-	-	10,000	350,000	-	-	360,000	360,000
	Assessment	-	-	-	-	10,000	350,000	-	-	360,000	360,000
	Loan Grant	-	-	-	-	-	-	-	-	-	-
Milford Hills Dr. & Brooklyn Ave. Area WM Replacement	-	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	854,760	725,070	129,690	-	-	-	-	-	854,760	129,690
	Assessment	-	725,070	129,690	-	-	-	-	-	854,760	129,690
	Loan Grant	-	-	-	-	-	-	-	-	-	-
Nine Mile-Bradbury Transmission Main	-	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	1,168,800	14,280	323,520	65,000	766,000	-	-	-	1,168,800	1,154,520
	Assessment	-	14,280	323,520	65,000	766,000	-	-	-	1,168,800	1,154,520
	Loan	-	-	-	-	-	-	-	-	-	-

2020 Water Capital Improvement - Project Summary

Description	Funding Source	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total	*Adj. 5 Yr Total
Old SR 74 WM Replacement - GEW to Eastgate Blvd	Grant	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	830,000	-	-	-	30,000	800,000	-	-	830,000	830,000
	Assessment	-	-	-	-	30,000	800,000	-	-	830,000	830,000
	Loan	-	-	-	-	-	-	-	-	-	-
Old SR 74 WM Replacement - GEW to Schoolhouse	Grant	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	1,429,280	1,429,280	-	-	-	-	-	-	1,429,280	-
	Assessment	-	1,429,280	-	-	-	-	-	-	1,429,280	-
	Loan	-	-	-	-	-	-	-	-	-	-
Old SR 74 WM Replacement - Schoolhouse to Heitman	Grant	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	528,000	-	13,000	-	515,000	-	-	-	528,000	528,000
	Assessment	-	-	13,000	-	-	-	-	-	13,000	13,000
	Loan	-	-	-	-	515,000	-	-	-	515,000	515,000
Owensville Elevated Tank Evaluation, Rehabilitation & Coatings Applicationg	Grant	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	317,000	-	-	-	-	-	15,000	302,000	317,000	15,000
	Assessment	-	-	-	-	-	-	15,000	302,000	317,000	15,000
	Loan	-	-	-	-	-	-	-	-	-	-
Paving Improvements	Grant	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	212,000	-	10,000	202,000	-	-	-	-	212,000	212,000
	Assessment	-	-	10,000	202,000	-	-	-	-	212,000	212,000
	Loan	-	-	-	-	-	-	-	-	-	-
Price Road Water Main Replacement	Grant	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	1,325,450	-	150,000	1,175,450	-	-	-	-	1,325,450	1,325,450
	Assessment	-	-	150,000	1,175,450	-	-	-	-	1,325,450	1,325,450
	Loan	-	-	-	-	-	-	-	-	-	-
PUB WTP Generator Installations	Grant	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	350,000	-	-	-	-	-	-	350,000	350,000	-
	Assessment	-	-	-	-	-	-	-	350,000	350,000	-
	Loan	-	-	-	-	-	-	-	-	-	-
PUB WTP Well Field Control Tower for Wells 17-20	Grant	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	402,870	50,270	352,600	-	-	-	-	-	402,870	352,600
	Assessment	-	50,270	352,600	-	-	-	-	-	402,870	352,600
	Loan	-	-	-	-	-	-	-	-	-	-
PUB Well Field Development	Grant	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	334,880	34,880	-	-	-	-	-	300,000	334,880	-
	Assessment	-	34,880	-	-	-	-	-	300,000	334,880	-
	Loan	-	-	-	-	-	-	-	-	-	-
PUB Well Field Rehabilitation	Grant	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	800,000	-	200,000	200,000	200,000	200,000	-	-	800,000	800,000
	Assessment	-	-	200,000	200,000	200,000	200,000	-	-	800,000	800,000
	Loan	-	-	-	-	-	-	-	-	-	-

2020 Water Capital Improvement - Project Summary

Description	Funding Source	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total	*Adj. 5 Yr Total
Round Bottom Road Water Main Replacement	Grant	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	200,000	-	200,000	-	-	-	-	-	200,000	200,000
	Assessment	-	-	200,000	-	-	-	-	-	200,000	200,000
	Loan Grant	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
SR 125 Water Main Replacement	Capital Improvement Fund	465,750	91,000	22,750	352,000	-	-	-	-	465,750	374,750
	Assessment	-	91,000	22,750	352,000	-	-	-	-	465,750	374,750
	Loan Grant	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	Capital Improvement Fund	392,000	-	-	-	-	-	15,000	377,000	392,000	15,000
SR 131 Elevated Tank Evaluation, Rehabilitation & Coatings Application	Capital Improvement Fund	-	-	-	-	-	-	15,000	377,000	392,000	15,000
	Assessment	-	-	-	-	-	-	15,000	377,000	392,000	15,000
	Loan Grant	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	Capital Improvement Fund	412,000	-	-	-	35,000	377,000	-	-	412,000	412,000
SR 132 North of Judd Road	Capital Improvement Fund	-	-	-	-	35,000	377,000	-	-	412,000	412,000
	Assessment	-	-	-	-	35,000	377,000	-	-	412,000	412,000
	Loan Grant	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	Capital Improvement Fund	105,200	5,200	100,000	-	-	-	-	-	105,200	100,000
SR 132 Water Service Connections	Capital Improvement Fund	-	5,200	100,000	-	-	-	-	-	105,200	100,000
	Assessment	-	5,200	100,000	-	-	-	-	-	105,200	100,000
	Loan Grant	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	Capital Improvement Fund	1,338,800	63,800	535,000	740,000	-	-	-	-	1,338,800	1,275,000
SR 132 WM Replacement (SR 48 to SR 28)	Capital Improvement Fund	-	63,800	535,000	340,000	-	-	-	-	938,800	875,000
	Assessment	-	63,800	535,000	340,000	-	-	-	-	938,800	875,000
	Loan Grant - OPWC	- -	- -	- -	400,000	-	-	-	-	400,000	400,000
	Capital Improvement Fund	952,220	76,020	876,200	-	-	-	-	-	952,220	876,200
SR 28 WM Replacement (Buckwheat to Branch Hill Guinea)	Capital Improvement Fund	-	76,020	876,200	-	-	-	-	-	952,220	876,200
	Assessment	-	76,020	876,200	-	-	-	-	-	952,220	876,200
	Loan Grant	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	Capital Improvement Fund	2,050,000	-	-	-	-	-	-	2,050,000	2,050,000	-
SR 48 & Gibson Rd - New 1 MG Tank	Capital Improvement Fund	-	-	-	-	-	-	-	2,050,000	2,050,000	-
	Assessment	-	-	-	-	-	-	-	2,050,000	2,050,000	-
	Loan Grant	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	Capital Improvement Fund	1,685,570	854,570	831,000	-	-	-	-	-	1,685,570	831,000
SR 48 & SR 28 Water Main Replacement	Capital Improvement Fund	-	854,570	31,000	-	-	-	-	-	885,570	31,000
	Assessment	-	854,570	31,000	-	-	-	-	-	885,570	31,000
	Loan Grant OPWC PY33/2019	- -	- -	800,000	-	-	-	-	-	800,000	800,000
	Capital Improvement Fund	550,600	3,450	5,150	-	542,000	-	-	-	550,600	547,150
Summit Elevated Tank Evaluation, Rehabilitation & Coatings Application	Capital Improvement Fund	-	3,450	5,150	-	542,000	-	-	-	550,600	547,150
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-

2020 Water Capital Improvement - Project Summary

Description	Funding Source	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total	*Adj. 5 Yr Total
Taylor Avenue Water Petition	Grant	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	58,120	54,670	3,450	-	-	-	-	-	58,120	3,450
	Assessment	-	54,670	(50,550)	-	-	-	-	-	4,120	(50,550)
	Loan	-	-	54,000	-	-	-	-	-	54,000	54,000
Tealtown / Sugar Camp Transmission Main	Grant	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	753,190	153,190	-	-	-	-	-	600,000	753,190	-
	Assessment	-	153,190	-	-	-	-	-	600,000	753,190	-
	Loan	-	-	-	-	-	-	-	-	-	-
Utility Relocations	Grant	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	900,000	-	100,000	100,000	150,000	150,000	200,000	200,000	900,000	700,000
	Assessment	-	-	100,000	100,000	150,000	150,000	200,000	200,000	900,000	700,000
	Loan	-	-	-	-	-	-	-	-	-	-
Water Distribution Model Maintenance	Grant	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	250,000	64,200	60,800	25,000	25,000	25,000	25,000	25,000	250,000	160,800
	Assessment	-	64,200	60,800	25,000	25,000	25,000	25,000	25,000	250,000	160,800
	Loan	-	-	-	-	-	-	-	-	-	-
Water Main Replacement Program	Grant	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	6,819,000	-	-	-	990,000	-	2,079,000	3,750,000	6,819,000	3,069,000
	Assessment	-	-	-	-	990,000	-	2,079,000	3,750,000	6,819,000	3,069,000
	Loan	-	-	-	-	-	-	-	-	-	-
Watershed/Wellhead Protection	Grant	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	354,400	54,400	50,000	50,000	50,000	50,000	50,000	50,000	354,400	250,000
	Assessment	-	54,400	50,000	50,000	50,000	50,000	50,000	50,000	354,400	250,000
	Loan	-	-	-	-	-	-	-	-	-	-
Weaver Road Water Petition	Grant	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	26,360	1,860	24,500	-	-	-	-	-	26,360	24,500
	Assessment	-	1,860	24,500	(22,500)	-	-	-	-	3,860	2,000
	Loan	-	-	-	22,500	-	-	-	-	22,500	22,500
Whitmer Road Water Petition	Grant	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	139,590	-	8,250	131,340	-	-	-	-	139,590	139,590
	Assessment	-	-	8,250	5	-	-	-	-	8,255	8,255
	Loan	-	-	-	131,335	-	-	-	-	131,335	131,335
TOTAL	Expenditures	72,557,010	12,671,755	9,821,515	7,188,140	6,645,600	6,546,000	5,180,000	24,504,000	72,557,010	35,381,255
	Capital Improvement Fund	-	12,671,755	8,967,515	6,064,305	6,130,600	6,546,000	5,180,000	24,504,000	70,064,175	32,888,420
	Assessment	-	-	54,000	323,835	515,000	-	-	-	892,835	892,835
	Loan	-	-	-	-	-	-	-	-	-	-
	Grant	-	-	800,000	800,000	-	-	-	-	1,600,000	1,600,000

*Adjusted 5 year plan = 2020-2024 Expenditure Plan

2020 Water Capital Improvement - Project Summary

Project :	Afton & Goshen Elevated Water Storage Tanks - Insp., Eval., Rehab., & Coatings Appl.	Project No.: 6401-	Project Manager:	Date of Update:	31-Jan-20
Description:	Inspection, evaluation, rehabilitation and protective coatings application to the 200,000 gallon Afton and Goshen elevated water storage tanks.			Justification:	Petition BOH Master Plan XL Capacity Need Consent Order Other
Township:	Williamsburg and Goshen			Coordinates:	
Annual Effect on Operations:	\$ - O&M/year	Resolutions:	RAGP RADP RON RDTP		
Easements Procured:	na		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		\$20,000		\$20,000						\$20,000
Date Complete:										
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor		\$660,000			\$660,000					\$660,000
Misc										\$0
Total		\$ 680,000	\$ -	\$ 20,000	\$ 660,000	\$ -	\$ -	\$ -	\$ -	\$ 680,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ 20,000	\$ 660,000	\$ -	\$ -	\$ -	\$ -	\$ 680,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
 Repairs and protects the metal surface thereby extending the useful life of the water storage tanks.

Problems:

Notes:

2020 Water Capital Improvement - Project Summary

Project :	Aicholtz Road WM Replacement (Eastgate Blvd to Glen Este-Withamsville Rd)	Project No.:	6401-	Project Manager:		Date of Update:	31-Jan-20
Description:	Replacement of approximately 4,000 feet of 16" cast iron water main installed in 1963 with new 16" water main in coordination with a TID Project.				Justification:	Petition BOH Master Plan XL	
Township:					Coordinates:	Capacity Need Consent Order Other	
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:	Coordinate w/ TID Project						

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total
Preliminary Engineering Date Complete:										
Detail Plans Date Complete:		\$20,000				\$20,000				\$20,000
Land/Easements										\$0
Construction Engineering and Inspection General Contractor		\$800,000				\$800,000				\$800,000
Misc										\$0
Total		\$820,000	\$0	\$0	\$0	\$820,000	\$0	\$0	\$0	\$820,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ -	\$ -	\$ 820,000	\$ -	\$ -	\$ -	\$ 820,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

Problems: Easements, Manpower, Materials, Weather, etc

Notes:

Coordinate with TID's Aicholtz Road Road Roundabouts

2020 Water Capital Improvement - Project Summary

Project :	Arc Flash Analysis & Labeling	Project No.:	6401-60186	Project Manager:	CR	Date of Update:	31-Jan-20	
Description:	Identification and labeling of arc flash hazards at various locations in the water treatment and distribution 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: 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:		\$0								\$0	
Land/Easements		\$0								\$0	
Construction Engineering and Inspection		\$0								\$0	
General Contractor		\$125,000		\$125,000						\$125,000	
Misc		\$0								\$0	
Total		\$125,000	\$0	\$125,000	\$0	\$0	\$0	\$0	\$0	\$125,000	
Funding Source:	Capital Improvement Fund	\$	-	\$ 125,000	\$	-	\$	-	\$	-	\$ 125,000
	Assessment	\$	-	\$ -	\$	-	\$	-	\$	-	\$ -
	Loan	\$	-	\$ -	\$	-	\$	-	\$	-	\$ -
	Grant	\$	-	\$ -	\$	-	\$	-	\$	-	\$ -

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

Problems:

Notes:

2020 Water Capital Improvement - Project Summary

Project :	Bach Buxton Water Main Replacement	6401-	Project Manager:		Date of Update:	31-Jan-20	
Description:	Replacement and relocation of approximately 1180 feet of existing 16" & 8" water main as part of the realignment of Bach-Buxton Road south of SR 32.					Justification:	Petition BOH Master Plan XL Capacity Need Consent Order <u>Other</u>
Township:	Union					Coordinates:	
Annual Effect on Operations:	\$	250	O&M/year	Resolutions:	RAGP RADP RON RDTP		
Easements Procured:	no			Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:		
Special Conditions:	Coordinate w/ TID 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		\$200,000			\$200,000					\$200,000			
General Contractor										\$0			
Misc - Permitting										\$0			
Total		\$200,000	\$0	\$0	\$200,000	\$0	\$0	\$0	\$0	\$200,000			
Funding Source:	Capital Improvement Fund	\$	-	\$	-	\$	200,000	\$	-	\$	-	\$	200,000
	Assessment	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
	Loan	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
	Grant	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-

Positive Aspects of Project:

Problems:

Notes:

Coordinate with TID's CLE-CR-388, Eastern Corridor, Segment 4a, **Phase 4**

2020 Water Capital Improvement - Project Summary

Project :	BMW Floc/Sed Basins 1 & 2 and Lake Intake Structure Eval., Rehab. & Painting	Project No.: 6401-60175	Project Manager: TL	Date of Update: 31-Jan-20
Description:	Evaluation, rehabilitation and painting of the sludge collector equipment for floc/sed basins 1 & 2 at the BMW Treatment Plan and the access drive support structure at the BMW Lake Intake structure.			Justification: Petition BOH Master Plan XL <u>Capacity Need</u> Consent Order Other
Township:	Batavia	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:		\$16,400	\$5,550	\$10,850						\$16,400
Land/Easements										\$0
Construction Engineering and Inspection General Contractor		\$60,000		\$60,000						\$60,000
Misc		\$655,000		\$655,000						\$655,000
Total		\$ 731,400	\$ 5,550	\$ 725,850	\$ -	\$ 731,400				
Funding Source:	Capital Improvement Fund	\$	5,550	\$ 725,850	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 731,400
	Assessment	\$	-	-	-	-	-	-	-	-
	Loan	\$	-	-	-	-	-	-	-	-
	Grant	\$	-	-	-	-	-	-	-	-

Positive Aspects of Project:
Protects the metal surface thereby extending the useful life of the equipment.

Problems:

Notes:

2020 Water Capital Improvement - Project Summary

Project :	BMW Roof Replacement Phase II	Project No.:	6401-	Project Manager:		Date of Update:	31-Jan-20
Description:	Replacement of the existing roof over the Filter, high service pumps and garage buildings.				Justification:	Petition	Capacity
Township:					Batavia	Coordinates:	
Annual Effect on Operations:	\$ - O&M/year	Resolutions:	RAGP RADP RON RDTP		Construction:	Bid Opening:	
Easements Procured:	N/A				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										\$0
Date Complete:										
Land/Easements										\$0
Construction Engineering and Inspection		\$330,000					\$330,000			\$330,000
General Contractor										\$0
Misc										\$0
Total		\$330,000	\$0	\$0	\$0	\$0	\$330,000	\$0	\$0	\$330,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 330,000	\$ -	\$ -	\$ 330,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
Protects and prolongs the useful life of the existing infrastructures.

Problems:

Notes:

2020 Water Capital Improvement - Project Summary

Project :	Branch Hill Guinea Road WM Replacement (Branch Hill Miamiville to Wards Corner Road)	Project No.:	6401-	Project Manager:		Date of Update:	31-Jan-20
Description:	Replacement of approximately 8690 inear feet of existing water main with 12" ductile iron water main along Branch Hill Guinea Road from Branch Hill Miamiville Road to Wards Corner Road and approximately 440 linear feet of 8" ductile iron water main along Windfield Drive from Branch Hill Guinea Road to Knollwood Circle.					Justification:	Petition BOH Master Plan XL
Township:	Miami	Resolutions:	RAGP RADP RON RDTP			Coordinates:	Capacity Need Consent Order Other
Annual Effect on Operations:	\$ 1,800 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										\$0
Date Complete:										
Detail Plans		\$110,000					\$110,000			\$110,000
Date Complete:										
Land/Easements		\$50,000					\$50,000			\$50,000
Construction Engineering and Inspection										\$0
General Contractor		\$1,666,000						\$1,666,000		\$1,666,000
Misc		\$5,000						\$5,000		\$5,000
Total		\$1,831,000	\$0	\$0	\$0	\$0	\$160,000	\$1,671,000	\$0	\$1,831,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 160,000	\$ 1,671,000	\$ -	\$ 1,831,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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

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

Notes:

2020 Water Capital Improvement - Project Summary

Project :	Branch Hill Guinea Road WM Replacement (Bridlepath to Murle & Jer-Les to Glen Echo)	Project No.:	6401-60172	Project Manager:	AK	Date of Update:	31-Jan-20	
Description:	Replacement of approximately 16,000 feet of 12" & 10" cast iron water main with approximately 7,900 feet of 16" ductile iron water main in coordination with a roadway improvement project along Branch Hill Guinea Road from Bridlepath Lane to Murle Lane & Jer-Les to Glen Echo.					Justification:	Petition BOH Master Plan XL	
Township:						Coordinates:	Capacity Need Consent Order Other	
Annual Effect on Operations:	\$ 2,000 O&M/year	Resolutions:	RAGP RADP RON RDTP			Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Easements Procured:	No							
Special Conditions:	Coordinate w/ EO prior to paving							

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total
Preliminary Engineering										\$0
Date Complete:										
Detail Plans		\$66,300	\$66,300							\$66,300
Date Complete:										
Land/Easements		\$2,560	\$2,560							\$2,560
Construction Engineering and Inspection										\$0
General Contractor		\$1,833,000		\$1,833,000						\$1,833,000
Misc		\$900	\$900							\$900
Total		\$ 1,902,760	\$ 69,760	\$ 1,833,000	\$ -	\$1,902,760				
Funding Source:	Capital Improvement Fund	\$ 69,760	\$ 1,833,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,902,760
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
 Replaces aged water mains reaching the end of their useful lives prior to pavement replacement.

Problems:

Notes:

2020 Water Capital Improvement - Project Summary

Project :	Branch Hill Miamiville Road WM Replacement	Project No.:	6401-	Project Manager:		Date of Update:	31-Jan-20
Description:	Replacement of approximately 8,750 linear feet of 10" & 12" cast iron water main installed in 1959 along Branch Hill Miamiville Road from Front Street I-275, with 12" ductileiron water main. In areas of high pressure, a portion of the new water shall be class 53 pipe.				Justification:	Petition BOH Master Plan XL	Capacity <u>Need</u> Consent Order <u>Other</u>
Township:	Miami	Resolutions:		RAGP RADP RON RDTP	Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Annual Effect on Operations:	\$ 1,800 O&M/year	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:		\$100,000			\$100,000					\$100,000
Land/Easements		\$50,000			\$50,000					\$50,000
Construction Engineering and Inspection										\$0
General Contractor		\$1,750,000				\$1,750,000				\$1,750,000
Misc		\$5,000				\$5,000				\$5,000
Total		\$1,905,000	\$0	\$0	\$150,000	\$1,755,000	\$0	\$0	\$0	\$1,905,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ -	\$ 150,000	\$ 1,755,000	\$ -	\$ -	\$ -	\$ 1,905,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

Problems:

Notes:

2020 Water Capital Improvement - Project Summary

Project :	Buckwheat Elevated Tank Inspection, Evaluation and Maintenance	Project No.:	6401-	Manager:		Date of Update:	31-Jan-20
Description:	Inspection, evaluation and maintenance of the existing Buckwheat 2M gallon elevated water storage tank. Work to include any necessary protective coating repair and replacement.				Justification:	Petition BOH Master Plan XL	Capacity <u>Need</u> 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:	N/A						
Special Conditions:							

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	2020
Preliminary Engineering Date Complete:										\$0
Detail Plans Date Complete:		\$15,000				\$15,000				\$15,000
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor		\$750,000					\$750,000			\$750,000
Misc										\$0
Total		\$ 765,000	\$0	\$0	\$0	\$15,000	\$750,000	\$0	\$0	\$765,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ -	\$ -	\$ 15,000	\$ 750,000	\$ -	\$ -	\$ 765,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

Protects the metal surface area thereby extending the useful life of the tank.

Problems: Easements, Manpower, Materials, Weather, etc

Notes:

Tank constructed and painted in 2003.

2020 Water Capital Improvement - Project Summary

Project :	Buckwheat Transmission Main	Project No.:	6401-	Project Manager:		Date of Update:	31-Jan-20
Description:	Construction of approximately 46,000 feet of 30" transmission main from the BMW WTP to the proposed 24" main on Stonelick Williams Corner Road at Mt. Zion Road; and approximately 18,000 feet of 16" main along Mt. Zion Road to the Buckwheat Elevated Water Storage Tank.				Justification:	Petition BOH Master Plan XL	
Township:	Batavia, Stonelick, Miami				Coordinates:	Capacity Need Consent Order Other	
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 Date Complete:										\$0
Detail Plans Date Complete:		\$1,000,000							\$1,000,000	\$1,000,000
Land/Easements		\$200,000							\$200,000	\$200,000
Construction Engineering and Inspection										\$0
General Contractor		\$13,500,000							\$13,500,000	\$13,500,000
Misc		\$1,800,000							\$1,800,000	\$1,800,000
Total		\$16,500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$16,500,000	\$16,500,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,500,000	\$ 16,500,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
 Improves distribution from expanded BMW WTP to 1020 Pressure Zone and the Miami Twp area. Will also provide service for unserved areas.
 Improves the ability to fill the Buckwheat, Williams Corner Area, Gaynor and Goshen Elevated Water Storage Tanks.
 Required to take full advantage of the BMW WTP Expansion Project.

Problems:

Notes:

2020 Water Capital Improvement - Project Summary

Project :	Business 28 Water Main Replacement	Project No.:	6401-	Project Manager:		Date of Update:	31-Jan-20
Description:	Replacement of approximately 3950 feet of existing 8" water line installed in 1959 with 12" ductile iron water main along Business 28 from Cook Rd to Krogers access drive.				Justification:	Petition BOH Master Plan XL	Capacity Need Consent Order Other
Township:	Miami				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:	no						
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:		\$70,000				\$70,000				\$70,000
Land/Easements		\$50,000				\$50,000				\$50,000
Construction Engineering and Inspection										\$0
General Contractor		\$880,000					\$880,000			\$880,000
Misc		\$5,000					\$5,000			\$5,000
Total		\$1,005,000	\$0	\$0	\$0	\$120,000	\$885,000	\$0	\$0	\$1,005,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ -	\$ -	\$ 120,000	\$ 885,000	\$ -	\$ -	\$ 1,005,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
Replaces undersized and aged water mains installed in 1959.

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

Notes:

2020 Water Capital Improvement - Project Summary

Project : Cherry Grove 1 MG Tank (1020)	Project No.: 6401-60037	Project Manager:	Date of Update: 31-Jan-20	
Description: Construction of a 1 MG elevated storage tank at elevation 1020 at the Home Depot site along SR 125 and Independence Drive.			Justification: Petition BOH Master Plan XL	<input type="radio"/> Capacity <input checked="" type="radio"/> Need <input type="radio"/> Consent Order <input type="radio"/> Other
Township: Union Township			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: Yes				
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:	GS&P	\$113,430	\$73,430			\$40,000				\$113,430
Land/Easements		\$15,020	\$15,020							\$15,020
Construction Engineering and Inspection	Inspection	\$10,000					\$10,000			\$10,000
General Contractor		\$2,457,000					\$1,357,000	\$1,100,000		\$2,457,000
Misc		\$5,000					\$5,000			\$5,000
Total		\$2,600,450	\$88,450	\$0	\$0	\$40,000	\$1,372,000	\$1,100,000	\$0	\$2,600,450
Funding Source:	Capital Improvement Fund	\$ 88,450	\$ -	\$ -	\$ -	\$ 40,000	\$ 1,372,000	\$ 1,100,000	\$ -	\$ 2,600,450
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
 Strengthen system and utilization of storage tank.
 Improve capacity utilization.

Problems:

Notes:

2020 Water Capital Improvement - Project Summary

Project :	Computerized Maintenance Management System (CMMS)	Project No.:	6401-	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										\$0	
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:
In house development of the RFP in 2020.

2020 Water Capital Improvement - Project Summary

Project :	Day Heights Elevated Tank Inspection, Evaluation and Maintenance	Project No.:	6401-	Project Manager:		Date of Update:	31-Jan-20
Description:	Inspection, evaluation and maintenance of the existing Day Heights 1M gallon elevated water storage tank. Work to include any necessary protective coating repair and replacement.				Justification:	Petition BOH Master Plan XL	Capacity <u>Need</u> 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:	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		\$15,000				\$15,000				\$15,000
Date Complete:										
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor		\$655,000				\$655,000				\$655,000
Misc		\$2,000					\$2,000			\$2,000
Total		\$672,000	\$0	\$0	\$0	\$15,000	\$657,000	\$0	\$0	\$672,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ -	\$ -	\$ 15,000	\$ 657,000	\$ -	\$ -	\$ 672,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

Protects the metal surface area thereby extending the useful life of the tank.

Problems:

Notes:

Built in 1979 and repainted in 2003.

2020 Water Capital Improvement - Project Summary

Project : Day Heights Tank to SR 131 Loop	Project No.: 6401-	Project Manager:	Date of Update: 31-Jan-20	
Description: 1,700 feet of 12" water main from the Day Heights Tank south to SR 131 and then west along SR 131 to Windsong Lane.			Justification: Petition BOH <u>Master Plan</u> XL	<u>Capacity</u> Need Consent Order Other
Township: Miami			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: No (1 required)				
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:		\$18,000			\$18,000					\$18,000
Land/Easements		\$10,000			\$10,000					\$10,000
Construction Engineering and Inspection										\$0
General Contractor		\$297,500				\$297,500				\$297,500
Misc		\$35,100				\$35,100				\$35,100
Total		\$360,600	\$0	\$0	\$28,000	\$332,600	\$0	\$0	\$0	\$360,600
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ -	\$ 28,000	\$ 332,600	\$ -	\$ -	\$ -	\$ 360,600
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

Problems: Cannot acquire easement from current property owner. Project on hold until easement is available.

Notes:
Project number formerly 621-0996

2020 Water Capital Improvement - Project Summary

Project : Elwynn, Deblin, Teakwood, & Berdova WM Replacement	Project No.: 6401-60162	Project Manager: AK	Date of Update: 31-Jan-20
Description: Replacement of approximately 6,074 feet of existing 6" cast iron water main along Elwynn Drive, Deblin Drive, Teakwood and Berdova Drive, with 8" ductile iron water main.			Justification: Petition BOH Master Plan XL
Township: Miami			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: Yes			
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
Date Complete:										
Detail Plans		\$92,750	\$92,750							\$92,750
Date Complete:										
Land/Easements		\$1,890	\$1,890							\$1,890
Construction Engineering and Inspection										\$0
General Contractor		\$960,000		\$500,000	\$460,000					\$960,000
Misc		\$2,500		\$2,500						\$2,500
Total		\$1,057,140	\$94,640	\$502,500	\$460,000	\$0	\$0	\$0	\$0	\$1,057,140
Funding Source:	Capital Improvement Fund	\$ 94,640	\$ 502,500	\$ 60,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 657,140
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant OPWC	\$ -	\$ -	\$ 400,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
Replaces undersized and aged water mains installed in 1959 & 1964.

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

Notes:
OPWC Pre App. 2018. App 2019. Funds available 2020.

2020 Water Capital Improvement - Project Summary

Project :	Fay Road Water Main Replacement	Project No.:	6401-	Project Manager:		Date of Update:	31-Jan-20
Description:	Replacement of approximately 3500 feet of existing 8" water line installed in 1959 with 2240 feet of 12" and 1260 feet of 8" ductile iron water main along Fay Road from Thoroughbread Drive to Nancard Drive, Earl Drive and Nancard Drive.				Justification:	Petition BOH Master Plan XL	Capacity Need Consent Order Other
Township:	Goshen	Resolutions:	RAGP RADP RON RDTP		Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Annual Effect on Operations:	O&M/year	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		\$50,000				\$50,000				\$50,000	
Date Complete:											
Land/Easements		\$35,000				\$35,000				\$35,000	
Construction Engineering and Inspection										\$0	
General Contractor		\$435,000					\$435,000			\$435,000	
Misc		\$5,000					\$5,000			\$5,000	
Total		\$525,000	\$0	\$0	\$0	\$85,000	\$440,000	\$0	\$0	\$525,000	
Funding Source:	Capital Improvement Fund	\$	-	\$	-	\$	85,000	\$	440,000	\$	525,000
	Assessment	\$	-	\$	-	\$	-	\$	-	\$	-
	Loan	\$	-	\$	-	\$	-	\$	-	\$	-
	Grant	\$	-	\$	-	\$	-	\$	-	\$	-

Positive Aspects of Project:
Replaces undersized and aged water mains installed in 1959.

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

Notes:

2020 Water Capital Improvement - Project Summary

Project :	Glendale & Glen Willow WM Replacement	Project No.:	6401-60158	Project Manager:	TL	Date of Update:	31-Jan-20	
Description:	Replacement of approximately 4,440 feet of existing 6" cast iron & ductile iron water main along Glendale Dr., Pood Dr. and Glen Willow Dr. with 8" ductile iron water main. Includes approximately 20 feet of 16" ductile iron water main for tie ins.					Justification:	Petition BOH Master Plan XL Capacity <u>Need</u> Consent Order Other	
Township:						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:	Yes							
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>		\$50,855	\$48,055	\$2,800						\$50,855	
Land/Easements		\$25,700	\$23,700	\$2,000						\$25,700	
Construction Engineering and Inspection										\$0	
General Contractor		\$691,000		\$691,000						\$691,000	
Misc										\$0	
Total		\$767,555	\$71,755	\$695,800	\$0	\$0	\$0	\$0	\$0	\$767,555	
Funding Source:	Capital Improvement Fund	\$	71,755	\$	695,800	\$	-	\$	-	\$	767,555
	Assessment		\$		-	\$	-	\$	-	\$	-
	Loan		\$		-	\$	-	\$	-	\$	-
	Grant		\$		-	\$	-	\$	-	\$	-

Positive Aspects of Project:
Replacement of aged water main that is reaching the end of its useful life.

Problems:

Notes:
Glendale & Pood, 2780' 6" ci or di 1961-1968
Glenwillow, 1660' ci or di 1958

2020 Water Capital Improvement - Project Summary

Project :	Hopper Hill Road Water Main Replacement	Project No.:	6401-	Project Manager:		Date of Update:	31-Jan-20
Description:	Replacement of approximately 8530 feet of existing 6" cast iron along Hopper Hill Road from SR 125 to Hol-Cor Lane with 8" ductile iron water main.				Justification:	Petition BOH Master Plan XL	
Township:	Pierce and Union				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 Date Complete:										\$0
Detail Plans Date Complete:		\$75,000		\$75,000						\$75,000
Land/Easements		\$25,000		\$25,000						\$25,000
Construction Engineering and Inspection										\$0
General Contractor		\$970,000			\$970,000					\$970,000
Misc		\$5,000			\$5,000					\$5,000
Total		\$1,075,000	\$0	\$100,000	\$975,000	\$0	\$0	\$0	\$0	\$1,075,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ 100,000	\$ 975,000	\$ -	\$ -	\$ -	\$ -	\$ 1,075,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

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

Notes:

2020 Water Capital Improvement - Project Summary

Project : James E Sauls Drive Transmission Main	Project No.: 6401-60181	Project Manager: TL	Date of Update: 31-Jan-20
Description: Installation of approximately 8,550 feet of 16" water transmission main along James E Sauls Drive from Batavia Road to Half Acre Road.			Justification: Petition BOH Master Plan XL
Township: Batavia			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:			

Capacity
Need
Consent Order
Other

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:		\$96,040		\$96,040						\$96,040
Land/Easements		\$10,000		\$10,000						\$10,000
Construction Engineering and Inspection General Contractor		\$1,539,000			\$1,539,000					\$1,539,000
Misc		\$10,000		\$5,000	\$5,000					\$10,000
Total		\$1,655,040	\$0	\$111,040	\$1,544,000	\$0	\$0	\$0	\$0	\$1,655,040
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ 111,040	\$ 1,544,000	\$ -	\$ -	\$ -	\$ -	\$ 1,655,040
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

Problems:

Notes:

2020 Water Capital Improvement - Project Summary

Project :	Lewis Road Elevated Tank Removal	Project No.:	6401-	Project Manager:		Date of Update:	31-Jan-20
Description:	Removal of the existing 100,000 gallon Lewis Road elevated water tank, installed in 1954, that has reached the end of its useful life.					Justification:	Petition BOH Master Plan XL
Township:	Pierce					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 Date Complete:										\$0
Detail Plans Date Complete:										\$0
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor		\$25,000						\$25,000		\$25,000
Misc										\$0
Total		\$25,000	\$0	\$0	\$0	\$0	\$0	\$25,000	\$0	\$25,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000	\$ -	\$ 25,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
Removal of existing infrastructure that is no longer a benefit to the water system.

Problems:

Notes:

2020 Water Capital Improvement - Project Summary

Project : McPicken Road WM Replacement	Project No.: 6401-60163	Project Manager: TL	Date of Update: 31-Jan-20	
Description: Replacement of approximately 2210 feet of existing 6" cast iron water main along McPicken Drive installed in 1959.			Justification: Petition BOH Master Plan XL	Capacity <u>Need</u> Consent Order Other
Township: Miami			Coordinates:	
Annual Effect on Operations: \$ 400 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:										\$0
Detail Plans Date Complete:		\$26,010	\$21,425	\$4,585						\$26,010
Land/Easements		\$20,000		\$20,000						\$20,000
Construction Engineering and Inspection										\$0
General Contractor		\$331,500		\$331,500						\$331,500
Misc		\$2,000		\$2,000						\$2,000
Total		\$379,510	\$21,425	\$358,085	\$0	\$0	\$0	\$0	\$0	\$379,510
Funding Source:	Capital Improvement Fund	\$ 21,425	\$ 358,085	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 379,510
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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

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

Notes:

2020 Water Capital Improvement - Project Summary

Project : Menno Drive WM Replacement	Project No.: 6401-60163	Project Manager: TL	Date of Update: 31-Jan-20
Description: Replacement of approximately 850 feet of existing 6" cast iron along Menno Drive starting at the intersection of Business 28 and terminating at the end of Menno Drive with new 8" ductile iron water main.			Justification: Petition BOH Master Plan XL
Township: Miami			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:			

Capacity
Need
Consent Order
Other

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:		\$14,040	\$13,010	\$1,030						\$14,040
Land/Easements		\$10,000		\$10,000						\$10,000
Construction Engineering and Inspection										\$0
General Contractor		\$170,000		\$170,000						\$170,000
Misc		\$2,000		\$2,000						\$2,000
Total		\$196,040	\$13,010	\$183,030	\$0	\$0	\$0	\$0	\$0	\$196,040
Funding Source:	Capital Improvement Fund	\$ 13,010	\$ 183,030	\$ (170,000)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 26,040
	Assessment	\$ -	\$ -	\$ 170,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 170,000
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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

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

Notes:

2020 Water Capital Improvement - Project Summary

Project :	Meter Upgrades-System Wide	Project No.:	6401-60130	Project Manager:	CR	Date of Update:	31-Jan-20
Description:	Replacement of approximately 43,000 aged water meters and installation of a remote read data collection system. The new meters will include remote read registers and antennas. Also includes the replacement of approximately 200 larger meters with remote read registers and antennas.					Justification:	Petition BOH Master Plan XL
Township:	County Wide					Coordinates:	Capacity <u>Need</u> Consent Order Other
Annual Effect on Operations:	\$ 60,000 O&M/year	Resolutions:	RAGP RADP RON RDTP		Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Easements Procured:	N/A						
Special Conditions:	All water meters to be upgraded						

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										\$0
General Contractor Large Meter Replacement		\$8,458,475 \$350,000	\$8,458,475 \$69,650	\$150,000	\$130,350					\$8,458,475 \$350,000
Misc Retro Meters		\$11,290 \$9,610	\$11,290 \$9,610							\$11,290 \$9,610
Total		\$8,829,375	\$8,549,025	\$150,000	\$130,350	\$0	\$0	\$0	\$0	\$8,829,375
Funding Source:	Capital Improvement Fund	\$ 8,549,025	\$ 150,000	\$ 130,350	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,829,375
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

Over time, water meters lose their accuracy. Replacement of the aged meters will result in more accurate billing. Additionally, the installation of a remote read system will result in lower reading costs, reduced field visits, and reduced customer calls. Project to be funded 50/50 with Sewer CIP. Large meter replacement budget \$350,000 total in 2018-2021.

Problems:

Notes:

2020 Water Capital Improvement - Project Summary

Project :	Miamiville Area Water Main Replacement	Project No.:	6401-60165	Project Manager:	CR	Date of Update:	31-Jan-20
Description:	Replacement of approximately 2,967 feet of existing 12" & 6" cast iron water main installed in 1959 with 16", 12" and 8" ductile iron water main along SR 126, Center St., Front Street, and Second Street. Work to include the relocation of services along a portion of Front Street.				Justification:	Petition BOH Master Plan XL	Capacity <u>Need</u> Consent Order Other
Township:	Miami	Resolutions:	RAGP RADP RON RDTP		Coordinates:		
Annual Effect on Operations:	\$ 600 O&M/year	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 Date Complete:										\$0
Detail Plans Date Complete:		\$88,300	\$82,000	\$6,300						\$88,300
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor		\$800,000		\$800,000						\$800,000
Misc		\$2,000		\$2,000						\$2,000
Total		\$890,300	\$82,000	\$808,300	\$0	\$0	\$0	\$0	\$0	\$890,300
Funding Source:	Capital Improvement Fund	\$ 82,000	\$ 808,300	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 890,300
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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

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

Notes:

2020 Water Capital Improvement - Project Summary

Project :	Miamiville Elevated Tank Inspection, Evaluation and Maintenance	Project No.:	6401-	Project Manager:		Date of Update:	31-Jan-20
Description:	Inspection, evaluation and maintenance of the existing Miamiville 200,000 gallon elevated water storage tank. Work to include any necessary protective coating repair and replacement.				Justification:	Petition BOH Master Plan XL	Capacity Need Consent Order Other
Township:	Miami	Resolutions:		RAGP RADP RON RDTP	Coordinates:		
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 Date Complete:										\$0
Detail Plans Date Complete:		\$10,000				\$10,000				\$10,000
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor		\$350,000					\$350,000			\$350,000
Misc										\$0
Total		\$360,000	\$0	\$0	\$0	\$10,000	\$350,000	\$0	\$0	\$360,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ -	\$ -	\$ 10,000	\$ 350,000	\$ -	\$ -	\$ 360,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
Protects the metal surface area thereby extending the useful life of the tank.

Problems:

Notes:
Painted in 2002.

2020 Water Capital Improvement - Project Summary

Project :	Milford Hills Dr. & Brooklyn Ave. Area WM Replacement	Project No.:	6401-60151	Project Manager: AK		Date of Update:	31-Jan-20	
Description:	Replacement of approximately 7040 feet of existing 8" & 6" cast iron water main along Milford Hills Drive, Beechwood Lane, Ridgewood Lane, Brooklyn Ave., Brooklyn Ln. and SR 28 with 6400 feet 8" and 600 feet of 6" ductile iron water main.					Justification:	Petition BOH Master Plan XL	Capacity Need Consent Order Other
Township:	Miami					Coordinates:		
Annual Effect on Operations:	\$ 1,400 O&M/year					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		\$74,100	\$74,100							\$74,100
Date Complete:										
Land/Easements		\$11,550	\$11,550							\$11,550
Construction Engineering and Inspection										\$0
General Contractor		\$768,110	\$638,420	\$129,690						\$768,110
Misc		\$1,000	\$1,000							\$1,000
Total		\$854,760	\$725,070	\$129,690	\$0	\$0	\$0	\$0	\$0	\$854,760
Funding Source:	Capital Improvement Fund	\$ 725,070	\$ 129,690	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 854,760
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
 Replaces undersized and aged water mains installed in 1959 that are nearing the end of their useful life.

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

Notes:
 Brooklyn Ave. and Brooklyn Ln. added to original project scope.

2020 Water Capital Improvement - Project Summary

Project : Nine Mile-Bradbury Transmission Main	Project No.: 6401-60178	Manager: CR	Date of Update: 31-Jan-20
Description: Installation of approximately 5660 feet of 12" water main along Bradbury Road and Nine Mile Tobasco Road, from 3686 Nine Mile Tobasco Road to the intersection of Bradbury Road and Oakland Farms Drive.			Justification: Petition BOH Master Plan XL
Township: Pierce			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: Coordinate w/ Pierce Twp			

Capacity
Need
Consent Order
Other

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total
Preliminary Engineering										\$0
Detail Plans		\$62,800	\$14,280	\$3,520	\$45,000					\$62,800
Land/Easements		\$20,000			\$20,000					\$20,000
Construction Engineering and Inspection										\$0
General Contractor		\$1,086,000		\$320,000		\$766,000				\$1,086,000
Misc										\$0
Total		\$1,168,800	\$14,280	\$323,520	\$65,000	\$766,000	\$0	\$0	\$0	\$1,168,800
Funding Source:	Capital Improvement Fund	\$ 14,280	\$ 323,520	\$ 65,000	\$ 766,000	\$ -	\$ -	\$ -	\$ -	\$ 1,168,800
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
Provides bulk sales and emergency back-up supply to New Richmond. Increases potential capacity utilization.
Hydraulic Loop, Reinforces the Cherry Grove area.

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

Notes:
Construction in two phases. Phase I - joint project with pierce Township (\$318,000). Approximately 1660 feet along Bradbury Road.
Phase I design contract \$17,800.

2020 Water Capital Improvement - Project Summary

Project :	Old SR 74 WM Replacement - GEW to Eastgate Blvd	Project No.:	6401-	Project Manager:		Date of Update:	31-Jan-20	
Description:	Replacement of approximately 4,000 feet of 8" water main (installed 1954) with 12" water main and appurtenances.						Justification:	Petition BOH Master Plan XL
Township:	Union						Coordinates:	Capacity Need Consent Order Other
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:	No							
Special Conditions:	Coordinate w/ TID Project							

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total
Preliminary Engineering										\$0
Date Complete:										
Detail Plans		\$30,000				\$30,000				\$30,000
Date Complete:										
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor		\$800,000					\$800,000			\$800,000
Misc										\$0
Total		\$830,000	\$0	\$0	\$0	\$30,000	\$800,000	\$0	\$0	\$830,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ -	\$ -	\$ 30,000	\$ 800,000	\$ -	\$ -	\$ 830,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
 Replaces an aged (installed 1954) 8" water main with a new 12" water main and improves distribution capacity. Also coordinates roadway improvement with utility improvement

Problems:

Notes:

2020 Water Capital Improvement - Project Summary

Project :	Old SR 74 WM Replacement - GEW to Schoolhouse	Project No.:	6401-60188	Project Manager:	TC	Date of Update:	31-Jan-20
Description:	Replacement of approximately 4,590 feet of 16", 12", 8" & 6" water main as part of the Old SR 74 Widening Project.					Justification:	Petition BOH Master Plan XL
Township:						Coordinates:	Capacity Need Consent Order Other
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:	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										\$0
General Contractor		\$1,429,280	\$1,429,280							\$0
Misc										\$0
Total		\$1,429,280	\$1,429,280	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Funding Source:	Capital Improvement Fund	\$ 1,429,280	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,429,280
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

Problems:

Notes:

Coordinate with TID Old SR 74 Widening - **Phase I** Project, CLE-CR171-Old 74, PID 82557
 PO# 19005170 (\$1,429,276 Water & \$41,400 Wastewater). Paid in 2019.

2020 Water Capital Improvement - Project Summary

Project :	Old SR 74 WM Replacement - Schoolhouse to Heitman	Project No.:	6401-	Project Manager:		Date of Update:	31-Jan-20
Description:	Replacement of approximately 2,573 feet of cast iron water main installed in 1954 with 16" and 12" ductile iron water main along Old SR 74 from east of Schoolhouse Road to Heitman Lane.				Justification:	Petition BOH Master Plan XL	
Township:	Union				Coordinates:	Capacity Need Consent Order Other	
Annual Effect on Operations:	\$ 600 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/ 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:		\$13,000		\$13,000						\$13,000
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor		\$515,000				\$515,000				\$515,000
Misc										\$0
Total		\$528,000	\$0	\$13,000	\$0	\$515,000	\$0	\$0	\$0	\$528,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ 13,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ 515,000	\$ -	\$ -	\$ -	\$ 515,000
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

Problems:

Notes:
 Coordinate with TID CLE-CR171-Old 74 , Eastern Corridor, Segment IVa **Phase 6**, PID 103955

2020 Water Capital Improvement - Project Summary

Project :	Owensville Elevated Tank Evaluation, Rehabilitation & Coatings Applicationg	Project No.: 6401-	Project Manager:	Date of Update: 31-Jan-20
Description:	Evaluation, rehabilitation and protective coating application to the existing 100,000 gallon Summit Elevated Water Storage Tank, last painted in 2004.			Justification: Petition BOH Master Plan XL <div style="float: right; border: 1px solid black; border-radius: 50%; padding: 2px;">Capacity Need Consent Order Other</div>
Township:	Stonelick	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:	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		\$15,000						\$15,000		\$15,000	
Date Complete:											
Land/Easements										\$0	
Construction Engineering and Inspection										\$0	
General Contractor		\$300,000							\$300,000	\$300,000	
Misc		\$2,000							\$2,000	\$2,000	
Total		\$317,000	\$0	\$0	\$0	\$0	\$0	\$15,000	\$302,000	\$317,000	
Funding Source:	Capital Improvement Fund	\$	-	\$	-	\$	-	\$	15,000	\$	317,000
	Assessment	\$	-	\$	-	\$	-	\$	-	\$	-
	Loan	\$	-	\$	-	\$	-	\$	-	\$	-
	Grant	\$	-	\$	-	\$	-	\$	-	\$	-

Positive Aspects of Project:
 Protects the metal surface area thereby extending the useful life of the tank and metal truss system.

Problems:

Notes:

2020 Water Capital Improvement - Project Summary

Project :	Paving Improvements	Project No.:	6401-	Project Manager:	AK	Date of Update:	31-Jan-20
Description:	Repair, replacement and sealing of existing paving surfaces at various water treatment plants, booster stations and water tanks throughout the county.					Justification:	Petition BOH Master Plan XL Capacity <u>Need</u> Consent Order Other
Township:	County Wide					Coordinates:	Strengthen System
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	No					
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	\$10,000	\$202,000	\$0	\$0	\$0	\$0	\$212,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ 10,000	\$ 202,000	\$ -	\$ -	\$ -	\$ -	\$ 212,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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

Problems:

Notes:

2020 Water Capital Improvement - Project Summary

Project :	Price Road Water Main Replacement	Project No.:	6401-	Project Manager:		Date of Update:	31-Jan-20
Description:	Replacement of approximately 5495 feet of existing 6" cast iron water main installed in 1959-1964 along Price Road from Hobby Horse Lane to Pine Ridge Road and Loveland Miamiville Road to I-275 with 8" ductile iron water main, approximately 1180 feet of 6" cast iron installed in 1959 along Oskamp Drive with 8" ductile iron and approximately 400 feet of existing 8" cast iron water main under I-275 at montclair with 12" ductile iron water main.				Justification:	Petition BOH Master Plan XL	Capacity <u>Need</u> Consent Order <u>Other</u>
Township:	Miami	Resolutions:				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										\$0
Date Complete:										
Detail Plans		\$120,000		\$120,000						\$120,000
Date Complete:										
Land/Easements		\$30,000		\$30,000						\$30,000
Construction Engineering and Inspection										\$0
General Contractor		\$1,170,450			\$1,170,450					\$1,170,450
Misc		\$5,000			\$5,000					\$5,000
Total		\$1,325,450	\$0	\$150,000	\$1,175,450	\$0	\$0	\$0	\$0	\$1,325,450
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ 150,000	\$ 1,175,450	\$ -	\$ -	\$ -	\$ -	\$ 1,325,450
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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

Problems: Easements, Manpower, Materials, Weather, etc
Bore under I-275

Notes:
Combined with Price Rd WM Repl. from Loveland Miamiville Road to I-275, in 2020.

2020 Water Capital Improvement - Project Summary

Project :	PUB WTP Well Field Control Tower for Wells 17-20	Project No.:	6401-60166	Project Manager:	AK	Date of Update:	31-Jan-20	
Description:	Replacement of the existing control tower for wells 17-20 at the PUB WTP Well Field.					Justification:	Petition BOH Master Plan XL	Capacity <u>Need</u> Consent Order Other
Township:	Pierce					Coordinates:		
Annual Effect on Operations:	\$ 200 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:										
Detail Plans	Design	\$43,000	\$41,400	\$1,600						\$43,000
Date Complete:	Geotech	\$7,770	\$7,770							\$7,770
Land/Easements										
Construction Engineering and Inspection										
General Contractor		\$350,000		\$350,000						\$350,000
Misc		\$2,100	\$1,100	\$1,000						\$2,100
Total		\$402,870	\$50,270	\$352,600	\$0	\$0	\$0	\$0	\$0	\$402,870
Funding Source:	Capital Improvement Fund	\$	\$50,270	\$352,600	\$	\$	\$	\$	\$	\$402,870
	Assessment	\$	\$	\$	\$	\$	\$	\$	\$	\$
	Loan	\$	\$	\$	\$	\$	\$	\$	\$	\$
	Grant	\$	\$	\$	\$	\$	\$	\$	\$	\$

Positive Aspects of Project:
 Replacement/reconditioning of aged control tower components.

Problems:

Notes:

2020 Water Capital Improvement - Project Summary

Project : PUB Well Field Development	Project No.: 6401-60089	Project Manager:	Date of Update: 31-Jan-20
Description: Well Field Development, Exploration and Land Acquisition - Study of expansion potential at PUB as well as other sites.			Justification: Petition BOH Master Plan XL
Township: Pierce			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: 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 Date Complete:	Thelen	\$12,155	\$12,155							\$12,155
Detail Plans Date Complete:	HC NUTTING - H&M 24075	\$22,725	\$22,725							\$22,725
Land/Easements		\$300,000							\$300,000	\$300,000
Construction Engineering and Inspection										\$0
General Contractor										\$0
Misc										\$0
Total		\$334,880	\$34,880	\$0	\$0	\$0	\$0	\$0	\$300,000	\$334,880

Funding Source:	Capital Improvement Fund	\$ 34,880	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ 334,880
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
Improved utilization of wellfield.

Problems:
Land acquisition
Need to define clear development criteria with specific goals and objectives.
In house operation

Notes:

2020 Water Capital Improvement - Project Summary

Project :	PUB Well Field Rehabilitation	Project No.:	6401-	Project Manager:	CR	Date of Update:	31-Jan-20	
Description:	Rehabilitation of the existing wells at the PUB Water Treatment Plant's well field. Work to include the redevelopment of each well and the replacement of the pumps, motors and various other components.					Justification:	Petition BOH Master Plan XL	Capacity Need Consent Order Other
Township:	Pierce					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 Date Complete:										\$0
Detail Plans Date Complete:										\$0
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor		\$800,000		\$200,000	\$200,000	\$200,000	\$200,000			\$800,000
Misc										\$0
Total		\$800,000	\$0	\$200,000	\$200,000	\$200,000	\$200,000	\$0	\$0	\$800,000
Funding Source:	Capital Improvement Fund	\$	-	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ -	\$ -	\$ 800,000
	Assessment			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
 Rehabilitates the existing wells thereby maintaining the water source for the PUB WTP. Replaces equipment that is reaching the end of its useful life.

Problems:

Notes:
 Rehabilitation of four wells per year for four years.

2020 Water Capital Improvement - Project Summary

Project :	Round Bottom Road Water Main Replacement	Project No.:	6401-	Project Manager:		Date of Update:	31-Jan-20	
Description:	Replacement of approximately 800 feet of existing 12" ductile iron pipe as part of the replacement of the Round Bottom Road Bridge Replacement Project. Includes the replacement of approximately 200 feet of water main suspended on the side of the bridge.				Justification:	Petition BOH Master Plan XL	Capacity Need Consent Order Other	
Township:	Miami	Resolutions:		RAGP RADP RON RDTP	Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:		
Annual Effect on Operations:	\$ 400 O&M/year	Easements Procured:		NA	Special Conditions:			Coordinate w/ TID project
Coordinates:								

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										\$0
General Contractor		\$200,000		\$200,000						\$200,000
Misc										\$0
Total		\$200,000	\$0	\$200,000	\$0	\$0	\$0	\$0	\$0	\$200,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

Problems:

Easements, Manpower, Materials, Weather, etc.

Notes:

As part of the CLE-CR106-4.18 PID 106463 - Round Bottom Road Bridge Replacement Project.

2020 Water Capital Improvement - Project Summary

Project :	SR 125 Water Main Replacement	Project No.:	6401-60182	Project Manager:	TL	Date of Update:	31-Jan-20
Description:	Replacement of approximately 1750' of existing 4" water main installed in 1954 with new 12" ductile iron water main along SR 125 from Woodlands Dr to Chapel Road.					Justification:	Petition BOH <u>Master Plan</u> XL
Township:	Pierce	Resolutions:	RAGP RADP RON RDTP			Coordinates:	Capacity Need Consent Order Other
Annual Effect on Operations:	\$ 500 O&M/year	Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:				
Easements Procured:	No	Special Conditions: Coordinate Phase I 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		\$31,500	\$8,750	\$22,750						\$31,500
Date Complete:										
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor		\$432,250	\$82,250		\$350,000					\$432,250
Misc		\$2,000			\$2,000					\$4,000
Total		\$465,750	\$91,000	\$22,750	\$352,000	\$0	\$0	\$0	\$0	\$467,750
Funding Source:	Capital Improvement Fund	\$ 91,000	\$ 22,750	\$ 352,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 465,750
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
 Replaces aged undersized cast iron water main.

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

Notes:
 Phase 1 constructed in 2019 - 360' with TID/Village project, \$82,250.00.
 Phase 2 construct in 2021 - 1390' as separate WRD project. Design \$31,500.00.

2020 Water Capital Improvement - Project Summary

Project :	SR 131 Elevated Tank Evaluation, Rehabilitation & Coatings Application	Project No.:	6401-	Project Manager:		Date of Update:	31-Jan-20
Description:	Evaluation, rehabilitation and protective coating application to the existing 200,000 gallon SR 131 Elevated Water Storage Tank, last painted in 2005.				Justification:	Petition BOH Master Plan XL	
Township:	Miami				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:	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		\$15,000						\$15,000		\$15,000
Date Complete:										
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor		\$375,000							\$375,000	\$375,000
Misc		\$2,000							\$2,000	\$2,000
Total		\$392,000	\$0	\$0	\$0	\$0	\$0	\$15,000	\$377,000	\$392,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,000	\$ 377,000	\$ 392,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
 Protects the metal surface area thereby extending the useful life of the tank and metal truss system.

Problems:

Notes:

2020 Water Capital Improvement - Project Summary

Project : SR 132 North of Judd Road	Project No.: 6401-	Project Manager:	Date of Update: 31-Jan-20
Description: Reinforcement of Tate-Monroe subsystem from Judd Road north to southern corporation line of Village of Batavia via the installation of 3000' of 12" water main.			Justification: Petition BOH Master Plan XL
Township: Batavia			Capacity Need Consent Order Other
Annual Effect on Operations: \$ 400 O&M/year			Coordinates:
Easements Procured: No			Construction: Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Special Conditions:			

Resolutions: RAGP RADP RON RDTP

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:		\$20,000				\$20,000				\$20,000
Land/Easements		\$15,000				\$15,000				\$15,000
Construction Engineering and Inspection General Contractor		\$375,000					\$375,000			\$375,000
Misc		\$2,000					\$2,000			\$2,000
Total		\$412,000	\$0	\$0	\$0	\$35,000	\$377,000	\$0	\$0	\$412,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ -	\$ -	\$ 35,000	\$ 377,000	\$ -	\$ -	\$ 412,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
Creates a system Hydraulic Loop

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

Notes:

2020 Water Capital Improvement - Project Summary

Project : SR 132 Water Service Connections	Project No.: 6401-60152	Project Manager: CR	Date of Update: 31-Jan-20
Description: Water service connection switchovers from existing 8" cast iron water main installed in 1959 to an existing 16" ductile iron water main installed in 1988 and the abandonment of the 8" water main from US 50 to Anstaett Road.			Justification: Petition BOH Master Plan XL Capacity Need Consent Order Other
Township: Goshen			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		\$5,200	\$5,200							\$5,200
Date Complete:										
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor		\$100,000		\$100,000						\$100,000
Misc										\$0
Total		\$105,200	\$5,200	\$100,000	\$0	\$0	\$0	\$0	\$0	\$105,200
Funding Source:	Capital Improvement Fund	\$ 5,200	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 105,200
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
Eliminates a section of cast iron water main installed in 1959 that is prone to breaking.

Problems:
Manpower, Materials, Weather, etc.

Notes:
Design in house.

2020 Water Capital Improvement - Project Summary

Project : SR 132 WM Replacement (SR 48 to SR 28)	Project No.: 6401-60167	Project Manager: CR	Date of Update: 31-Jan-20
Description: Replacement of approx. 6,811' of existing 6" cast iron water main with 12" ductile iron water main between SR 48 to SR 28, originally installed in 1959 .			Justification: Petition BOH Master Plan XL Capacity Need Consent Order Other
Township: Goshen			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										\$0
Date Complete:										
Detail Plans		\$81,300	\$63,800	\$17,500						\$81,300
Date Complete:										
Land/Easements		\$15,000		\$15,000						\$15,000
Construction Engineering and Inspection										\$0
General Contractor		\$1,240,000		\$500,000	\$740,000					\$1,240,000
Misc		\$2,500		\$2,500						\$2,500
Total		\$1,338,800	\$63,800	\$535,000	\$740,000	\$0	\$0	\$0	\$0	\$1,338,800
Funding Source:	Capital Improvement Fund	\$ 63,800	\$ 535,000	\$ 340,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 938,800
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant - OPWC	\$ -	\$ -	\$ 400,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 400,000

Positive Aspects of Project:
Replaces a section of cast iron water main installed in 1959 that is prone to breaking and is undersized by todays standards.

Problems: Easements, Manpower, Materials, Weather, etc

Notes:
OPWC funds available august 2020.

2020 Water Capital Improvement - Project Summary

Project :	SR 28 WM Replacement (Buckwheat to Branch Hill Guinea)	Project No.:	6401-60153	Project Manager:	AK	Date of Update:	31-Jan-20	
Description:	Replacement of approximately 1900 feet of 10" water main installed in 1959 and 1,900 feet of 12" water main installed in 1972 with a new single 16" ductile iron water main.					Justification:	Petition BOH Master Plan XL Capacity Need Consent Order Other	
Township:	Miami	Resolutions: RAGP RADP RON RDTP					Coordinates:	
Annual Effect on Operations:	\$ 800 O&M/year	Construction:					Bid Opening:	
Easements Procured:	yes						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		\$51,820	\$51,820							\$51,820
Date Complete:										
Land/Easements		\$19,900	\$19,900							\$19,900
Construction Engineering and Inspection										\$0
General Contractor		\$876,200		\$876,200						\$876,200
Misc		\$4,300	\$4,300							\$4,300
Total		\$952,220	\$76,020	\$876,200	\$0	\$0	\$0	\$0	\$0	\$952,220
Funding Source:	Capital Improvement Fund	\$ 76,020	\$ 876,200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 952,220
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
 Replaces two existing water mains under existing pavement of SR 28 pavement with one that will be located primarily outside of the pavement.

Problems: Easements, Manpower, Materials, Weather, etc

Notes:

2020 Water Capital Improvement - Project Summary

Project :	SR 48 & Gibson Rd - New 1 MG Tank	Project No.:	6401-	Project Manager:		Date of Update:	31-Jan-20	
Description:	Construction of a 1 MG Elevated Tank near State Route 48 and Gibson Road, at an elevation of 990'.					Justification:	Petition BOH Master Plan XL	Capacity Need Consent Order Other
Township:	Goshen					Coordinates:		
Annual Effect on Operations:	unk		Resolutions:	RAGP RADP RON RDTP		Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Easements Procured:	No (Purchase 1 property)							
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		\$40,000							\$40,000	\$40,000
Date Complete:										
Land/Easements		\$50,000							\$50,000	\$50,000
Construction Engineering and Inspection		\$10,000							\$10,000	\$10,000
General Contractor		\$1,900,000							\$1,900,000	\$1,900,000
Misc		\$50,000							\$50,000	\$50,000
Total		\$2,050,000	\$0	\$0	\$0	\$0	\$0	\$0	\$2,050,000	\$2,050,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,050,000	\$ 2,050,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
 Additional storage and redundancy in the 990 zone

Problems: Easements, Manpower, Materials, Weather, etc

Notes:

2020 Water Capital Improvement - Project Summary

Project :	SR 48 & SR 28 Water Main Replacement	Project No.:	6401-60159	Project Manager:	AK	Date of Update:	31-Jan-20	
Description:	Replacement of approximately 9,300' of 6" & 8" cast iron water main installed in 1959 along SR 48 from SR 28 to Fay Road and along SR 28 from Smith Road to SR 48, with 16" and 12" ductile iron water main.					Justification:	Petition BOH Master Plan XL	
Township:	Goshen	Resolutions:	RAGP RADP RON RDTP		Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	Capacity Need Consent Order Other	
Annual Effect on Operations:	\$ 1,800 O&M/year						Coordinates:	
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:										\$0
Detail Plans Date Complete:		\$76,400	\$76,400							\$76,400
Land/Easements		\$1,500	\$1,500							\$1,500
Construction Engineering and Inspection										\$0
General Contractor		\$1,600,000	\$769,000	\$831,000						\$1,600,000
Misc		\$7,670	\$7,670							\$7,670
Total		\$1,685,570	\$854,570	\$831,000	\$0	\$0	\$0	\$0	\$0	\$1,685,570
Funding Source:	Capital Improvement Fund	\$ 854,570	\$ 31,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 885,570
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant OPWC PY33/2019	\$ -	\$ 800,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 800,000

Positive Aspects of Project:
 Replaces cast iron water mains installed in 1959 that are nearing the end of their useful life.

Problems: Easements, Manpower, Materials, Weather, etc

Notes:
 Grant funds become available July 2019.

2020 Water Capital Improvement - Project Summary

Project :	Summit Elevated Tank Evaluation, Rehabilitation & Coatings Application	Project No.:	6401-	Project Manager:		Date of Update:	31-Jan-20
Description:	Evaluation, rehabilitation and protective coating application to the existing 1 million gallon Summit Elevated Water Storage Tank, last painted in 1995.				Justification:	Petition BOH Master Plan XL	
Township:	Batavia				Coordinates:	Capacity Need Consent Order Other	
Annual Effect on Operations:	\$ -	O&M/year		Resolutions:	RAGP RADP RON RDTP		
Easements Procured:	na				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 Date Complete:										\$0
Detail Plans Date Complete:		\$8,600	\$3,450	\$5,150						\$8,600
Land/Easements										\$0
Construction Engineering and Inspection		\$50,000				\$50,000				\$50,000
General Contractor		\$492,000				\$492,000				\$492,000
Misc										\$0
Total		\$550,600	\$3,450	\$5,150	\$0	\$542,000	\$0	\$0	\$0	\$550,600
Funding Source:	Capital Improvement Fund	\$ 3,450	\$ 5,150	\$ -	\$ -	\$ 542,000	\$ -	\$ -	\$ -	\$ 550,600
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
 Protects the metal surface area thereby extending the useful life of the tank and metal truss system.

Problems:

Notes:

2020 Water Capital Improvement - Project Summary

Project : Taylor Avenue Water Petition	Project No.: 6401-60149	Project Manager: CR	Date of Update: 31-Jan-20
Description: Construction of approximately 625 linear feet of ductile iron water main to service residents along Taylor Avenue.			Justification: Petition BOH Master Plan XL
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: Petition/Assessment			

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>		\$2,520	\$2,520							\$2,520
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor		\$54,000	\$50,550	\$3,450						\$54,000
Misc		\$1,600	\$1,600							\$1,600
Total		\$58,120	\$54,670	\$3,450	\$0	\$0	\$0	\$0	\$0	\$58,120
Funding Source:	Capital Improvement Fund	\$ 54,670	\$ (50,550)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,120
	Assessment	\$ -	\$ 54,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 54,000
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

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

Notes:

2020 Water Capital Improvement - Project Summary

Project : Tealtown / Sugar Camp Transmission Main	Project No.: 6401-60021	Project Manager:	Date of Update: 31-Jan-20
Description: Approximately 4,000 feet of 16" transmission main to connect the 16" main on Tealtown Road to the 16" main on Sugar Camp Road.			Justification: Petition BOH Master Plan XL
Township: Union / Miami			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:			

Capacity
Need
Consent Order
Other

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:	Brandstetter Carroll, Inc.	\$46,360	\$46,360							\$46,360
Land/Easements		\$88,730	\$88,730							\$88,730
Construction Engineering and Inspection General Contractor		\$600,000							\$600,000	\$600,000
Misc		\$18,100	\$18,100							\$18,100
Total		\$753,190	\$153,190	\$0	\$0	\$0	\$0	\$0	\$600,000	\$753,190

Funding Source:	Capital Improvement Fund	\$	153,190	\$	-	\$	-	\$	-	\$	-	\$	600,000	\$	753,190
	Assessment	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
	Loan	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
	Grant	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-

Positive Aspects of Project:
Strengthen system by eliminating a hydraulic bottleneck

Problems:

Notes:

2020 Water Capital Improvement - Project Summary

Project : Utility Relocations	Project No.: 6401-60001	Project Manager:	Date of Update: 31-Jan-20
Description: Utility Relocations, due to various road improvement projects. Countywide			Justification: Petition BOH Master Plan XL Capacity <u>Need</u> Consent Order Other
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: 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:										\$0
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor		\$900,000		\$100,000	\$100,000	\$150,000	\$150,000	\$200,000	\$200,000	\$900,000
Misc										\$0
Total		\$900,000	\$0	\$100,000	\$100,000	\$150,000	\$150,000	\$200,000	\$200,000	\$900,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ 100,000	\$ 100,000	\$ 150,000	\$ 150,000	\$ 200,000	\$ 200,000	\$ 900,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
 Moves water mains and hydrants away from proposed pavement.
 Long term reduction of operational and maintenance costs. Improved safety

Problems:

Notes:
 US 50 Drainage Improvements - Bid \$45,000, in 2019.
 SR 32 @ Bach Buxton Water Main Replacement. CLE-32-3.50, Eastern Corridor Segment Iva, **Phase 5** - \$20,000.

2020 Water Capital Improvement - Project Summary

Project : Water Distribution Model Maintenance	Project No.: 6401-60156	Project Manager: CR	Date of Update: 31-Jan-20
Description: Annual contract to provide maintenance on the CCWRD Water Distribution Model.			Justification: Petition BOH Master Plan XL Capacity Need Consent Order Other
Township: County Wide			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		\$250,000	\$64,200	\$60,800	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$250,000
Date Complete:										
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor										\$0
Misc										\$0
Total		\$250,000	\$64,200	\$60,800	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$250,000
Funding Source:	Capital Improvement Fund	\$ 64,200	\$ 60,800	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 250,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
Provides professional services for the WRD's water distribution model.

Problems:

Notes:

2020 Water Capital Improvement - Project Summary

Project : Water Main Replacement Program	Project No.:	6401-	Project Manager:	Date of Update: 31-Jan-20
Description: Replacement of existng water mains and appurtanances that have reached the end of their usefull life.				Justification: Petition BOH Master Plan XL
Township: County Wide				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: 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 Date Complete:										
Detail Plans Date Complete:		\$300,000							\$300,000	\$300,000
Land/Easements		\$75,000							\$75,000	\$75,000
Construction Engineering and Inspection										
General Contractor		\$6,444,000				\$990,000		\$2,079,000	\$3,375,000	\$6,444,000
Misc										
Total		\$6,819,000	\$0	\$0	\$0	\$990,000	\$0	\$2,079,000	\$3,750,000	\$6,819,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ -	\$ -	\$ 990,000	\$ -	\$ 2,079,000	\$ 3,750,000	\$ 6,819,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
Improves the quality and reliability of the water distribution system.
Improves flow and fire protection for existing homes and future development.

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

Notes:
Goal - Replace:
2020-2022 20,000' per year \$3,000,000 20k feet/year
2023-2025 25,000' per year \$3,750,000 25k feet/year Added in 2020 - BHG \$1,905,000 in 2023 & BHM \$1,831,000 in 2024.
2026-2028 30,000' per year \$4,500,000 30k feet/year
2029-2032 35,000' per year \$5,250,000 25k feet/year
2033-2039 40,000' per year \$6,000,000 40k feet/year

2020 Water Capital Improvement - Project Summary

Project : Watershed/Wellhead Protection	Project No.:	6401-60082	Project Manager:	Date of Update: 31-Jan-20
Description: Watershed/Wellhead Protection County Wide				Justification: Petition BOH Master Plan XL 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: na				
Special Conditions:				

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2020	2021	2022	2023	2024	2025-Beyond	Total	
Preliminary Engineering Date Complete:	LBG	\$54,400	\$54,400							\$54,400	
Detail Plans Date Complete:										\$0	
Land/Easements										\$0	
Construction Engineering and Inspection General Contractor										\$0	
Misc		\$300,000		\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$300,000	
Total		\$354,400	\$54,400	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$354,400	
Funding Source:	Capital Improvement Fund	\$	54,400	\$	50,000	\$	50,000	\$	50,000	\$	354,400
	Assessment	\$	-	\$	-	\$	-	\$	-	\$	-
	Loan	\$	-	\$	-	\$	-	\$	-	\$	-
	Grant	\$	-	\$	-	\$	-	\$	-	\$	-

Positive Aspects of Project:
 Protects wellhead from contamination
 Evaluate area of influence and susceptibility of the MGS wellfield. Finalize and implement the protection plan for MGS and PUB wellfields.

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

Notes:

2020 Water Capital Improvement - Project Summary

Project : Weaver Road Water Petition	Project No.: 6401-	Project Manager: AK	Date of Update: 31-Jan-20
Description: Construction of approximately 190' of 8" ductile iron water main to serve residents along Weaver Road.			Justification: Petition BOH Master Plan XL
Township: Stonelick			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/Assessment 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:		\$1,860	\$1,860							\$1,860
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor		\$22,500		\$22,500						\$22,500
Misc		\$2,000		\$2,000						\$2,000
Total		\$26,360	\$1,860	\$24,500	\$0	\$0	\$0	\$0	\$0	\$26,360
Funding Source:	Capital Improvement Fund	\$ 1,860	\$ 24,500	\$ (22,500)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,860
	Assessment	\$ -	\$ -	\$ 22,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 22,500
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

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

Notes:

2020 Water Capital Improvement - Project Summary

Project :	Whitmer Road Water Petition	Project No.:	6401-	Manager:	TL	Date of Update:	31-Jan-20
Description:	Installation of approximately 1,120 linear feet of 8" ductile iron water main and appurtenances, including two fire hydrants to service the residents along Whitmer Road, north of Belfast Owensville Road.					Justification:	<input checked="" type="radio"/> Petition <input type="radio"/> BOH <input type="radio"/> Master Plan <input type="radio"/> XL
Annual Effect on Operations:	\$ 200 O&M/year	Resolutions:	<input type="checkbox"/> RAGP <input type="checkbox"/> RADP <input type="checkbox"/> RON <input type="checkbox"/> RDTP		Construction:	<input type="checkbox"/> Bid Opening: <input type="checkbox"/> Contract Award: <input type="checkbox"/> Contract Execution: <input type="checkbox"/> Notice to Proceed:	<input type="radio"/> Capacity <input checked="" type="radio"/> Need <input type="radio"/> Consent Order <input type="radio"/> Other
Easements Procured:	No	Special Conditions: Combined with sewer petition					

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:		\$3,250		\$3,250						\$3,250
Land/Easements		\$5,000		\$5,000						\$5,000
Construction Engineering and Inspection										\$0
General Contractor		\$126,340			\$126,340					\$126,340
Misc		\$5,000			\$5,000					\$5,000
Total		\$139,590	\$0	\$8,250	\$131,340	\$0	\$0	\$0	\$0	\$139,590
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ 8,250	\$ 5	\$ -	\$ -	\$ -	\$ -	\$ 8,255
	Assessment	\$ -	\$ -	\$ -	\$ 131,335	\$ -	\$ -	\$ -	\$ -	\$ 131,335
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

Provides a public water main to area of Whitmer Road without public water.

Problems: Easements, Manpower, Materials, Weather, etc

Notes: