

## 2018 Wastewater Capital Improvement - Project Summary Sources of Funds

|   |                      |
|---|----------------------|
| <b>Trust Funds (Balance as of 12/31/17)</b>   |                      |
| Wastewater Capital Improvement Fund   | \$ 29,714,162        |
| 2013 Rev Replacement & Improvement Fund   | \$ 2,074,409         |
| <b>Total On Hand</b>  | <u>\$ 31,788,571</u> |
| <br>  |                      |
| <b>Additional Funds</b>   |                      |
| From Operations for Capital Contribution<br>(Est from historical averages)            | \$ 12,000,000        |
| From Operations - System Capacity Charges<br>(From 5 yr average)                      | \$ 8,660,000         |
| Assessment Bonds/Notes/Private Funds - Future Projects(2018-2022)                     | \$ 330,000           |
| Contribution to Meter Replacement   | \$ (250,850)         |
| Grants (OPWC, USDA, Duke)   | \$ 4,590,000         |
| OPWC (Issue II) & USDA/RD Loans   | \$ 4,218,000         |
| <b>Total Source of Funds</b>  | <u>\$ 61,335,721</u> |
| <br>  |                      |
| Replacement & Improvement Requirement eliminated in 2022 with payoff of revenue bonds |                      |
| Capital Improvement Fund Contingency  | \$ 5,000,000         |
| <b>Available Funding for 2018 - 2022 Construction Projects:</b>                       | <u>\$ 56,335,721</u> |

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

## 2018 Wastewater Capital Improvement - Project Summary

|            | Description  | Planned    | Prior Yr CTD | 2018      | 2019      | 2020      | 2021      | 2022      | 2023-Beyond | Total      | *Adj. 5 yr. Total |
|------------|--|------------|--------------|-----------|-----------|-----------|-----------|-----------|-------------|------------|-------------------|
| 6402-      | Arc Flash Analysis & Labeling                        | 250,000    | -            | 50,000    | 200,000   | -         | -         | -         | -           | 250,000    | 250,000           |
| 6402-      | Arrowhead Wastewater Treatment Plant Elimination     | 1,550,000  | -            | 150,000   | 1,400,000 | -         | -         | -         | -           | 1,550,000  | 1,550,000         |
| 6402-60106 | Bethel Area Sewer Replacement                        | 1,776,624  | 245,722      | 1,252,750 | 278,152   | -         | -         | -         | -           | 1,776,624  | 1,530,902         |
| 6402-      | Bethel Area Sewer Replacement - Phase II             | 344,170    | 12,170       | 32,000    | 300,000   | -         | -         | -         | -           | 344,170    | 332,000           |
| 6402-      | Branch Hill Guinea Road Sewer Petition               | 108,500    | -            | 15,000    | 93,500    | -         | -         | -         | -           | 108,500    | 108,500           |
| 6402-60157 | Cain Run Road Lift Station Improvments               | 87,000     | -            | 87,000    | -         | -         | -         | -         | -           | 87,000     | 87,000            |
| 6402-62002 | Collection System Rehabilitation                     | 9,350,000  | -            | -         | 1,500,000 | 1,500,000 | 2,000,000 | 2,000,000 | 2,350,000   | 9,350,000  | 7,000,000         |
| 6402-62006 | Collection System Rehabilitation - 2016              | 2,780,340  | 2,470,350    | 309,990   | -         | -         | -         | -         | -           | 2,780,340  | 309,990           |
| 6402-62007 | Collection System Rehabilitation - 2018              | 3,135,000  | -            | 1,505,000 | 1,630,000 | -         | -         | -         | -           | 3,135,000  | 3,135,000         |
| 6402-      | Collection System Rehabilitation - 2019              | 502,000    | -            | -         | 502,000   | -         | -         | -         | -           | 502,000    | 502,000           |
| 6402-      | Commercial Revenue Enhancement                       | 600,000    | -            | 100,000   | 100,000   | 100,000   | 100,000   | 100,000   | 100,000     | 600,000    | 500,000           |
| 6402-      | Computerized Maintenance Management System (CMMS)    | 150,000    | -            | 150,000   | -         | -         | -         | -         | -           | 150,000    | 150,000           |
| 6402-      | Concord Lift Station Improvements                    | 170,000    | -            | -         | 20,000    | 150,000   | -         | -         | -           | 170,000    | 170,000           |
| 6402-      | Crescent Drive Lift Station Elimination              | 155,000    | -            | -         | -         | -         | 155,000   | -         | -           | 155,000    | 155,000           |
| 6402-      | Deblin Drive Sewer Replacement                       | 100,000    | -            | 100,000   | -         | -         | -         | -         | -           | 100,000    | 100,000           |
| 6402-      | Deerfield Road Sewer Petition                        | 211,100    | -            | 18,100    | 193,000   | -         | -         | -         | -           | 211,100    | 211,100           |
| 6402-      | Environmental Upgrades - WWTP's                      | 4,070,000  | -            | -         | -         | -         | -         | 370,000   | 3,700,000   | 4,070,000  | 370,000           |
| 6402-      | GIS - Sewer Share                                    | 100,000    | 25,000       | -         | 25,000    | -         | 25,000    | -         | 25,000      | 100,000    | 50,000            |
| 6402-      | Greenbriar Lift Station Improvements                 | 325,000    | -            | 25,000    | 300,000   | -         | -         | -         | -           | 325,000    | 325,000           |
| 6402-60103 | Hall Run Sewer Replacement & EQ Expansion            | 3,013,689  | 13,689       | -         | -         | -         | -         | -         | 3,000,000   | 3,013,689  | -                 |
| 6402-      | Indianview Lift Station Improvements                 | 424,240    | 39,240       | 25,000    | 10,000    | 350,000   | -         | -         | -           | 424,240    | 385,000           |
| 6402-      | Lewis Road Trunk Sewer                               | 1,040,000  | -            | 90,000    | 950,000   | -         | -         | -         | -           | 1,040,000  | 1,040,000         |
| 6402-      | Liftstation Generators                               | 300,000    | -            | -         | 100,000   | 100,000   | 100,000   | -         | -           | 300,000    | 300,000           |
| 6402-60143 | LIMS/WIMS Upgrades                                   | 66,000     | -            | 66,000    | -         | -         | -         | -         | -           | 66,000     | 66,000            |
| 6402-60141 | Locust Lake Lift Station and Conveyance Improvements | 1,364,589  | 90,210       | 742,186   | 532,193   | -         | -         | -         | -           | 1,364,589  | 1,274,379         |
| 6402-      | Lower East Fork WWTP Expansion                       | 14,150,000 | -            | -         | -         | -         | -         | -         | 14,150,000  | 14,150,000 | -                 |
| 6402-      | Miamiville Proper Sewer Assessment                   | 1,845,000  | -            | -         | -         | -         | -         | -         | 1,845,000   | 1,845,000  | -                 |
| 6402-60003 | Mound Street & Spring Street Sewer Petition          | 1,052,990  | 68,390       | -         | -         | -         | -         | -         | 984,600     | 1,052,990  | -                 |
| 6402-60116 | Newtonsville Collection System Assessment            | 4,157,380  | 516,620      | 233,760   | 157,000   | 2,750,000 | 500,000   | -         | -           | 4,157,380  | 3,640,760         |
| 6402-60117 | Newtonsville WWTP                                    | 4,218,600  | 336,740      | 133,760   | 20,000    | 2,811,000 | 917,100   | -         | -           | 4,218,600  | 3,881,860         |

## 2018 Wastewater Capital Improvement - Project Summary

|            | Description  | Planned           | Prior Yr CTD     | 2018             | 2019              | 2020              | 2021             | 2022             | 2023-Beyond       | Total             | *Adj. 5 yr. Total |
|------------|--|-------------------|------------------|------------------|-------------------|-------------------|------------------|------------------|-------------------|-------------------|-------------------|
| 6402-60148 | Nine Mile Collection Improvements                            | 1,288,400         | 5,900            | 117,500          | 65,000            | 1,100,000         | -                | -                | -                 | 1,288,400         | 1,282,500         |
| 6402-60114 | Nine Mile WWTP Blower Upgrade                                | 462,280           | 439,780          | 22,500           | -                 | -                 | -                | -                | -                 | 462,280           | 22,500            |
| 6402-      | Nine Mile WWTP Improvements                                  | 1,306,000         | -                | 104,000          | 1,202,000         | -                 | -                | -                | -                 | 1,306,000         | 1,306,000         |
| 6402-60155 | O'Bannnon Creek Tributary Restoration and Bank Stabilization | 185,125           | -                | 185,125          | -                 | -                 | -                | -                | -                 | 185,125           | 185,125           |
| 6402-60133 | O'Bannon Trunk Sewer Improvements                            | 3,473,894         | 198,894          | -                | -                 | -                 | -                | 375,000          | 2,900,000         | 3,473,894         | 375,000           |
| 6402-      | O'Bannon WWTP Bio-Solids Dewatering                          | 1,180,000         | -                | -                | -                 | -                 | -                | -                | 1,180,000         | 1,180,000         | -                 |
| 6402-60142 | O'Bannon WWTP Filter & Clarifier Improvements                | 4,787,100         | 12,650           | 244,450          | 3,160,000         | 1,370,000         | -                | -                | -                 | 4,787,100         | 4,774,450         |
| 651-0042   | O'Bannon WWTP Reclaimed Water Pumps and Force Main           | 108,000           | -                | -                | -                 | -                 | -                | -                | 108,000           | 108,000           | -                 |
| 6402-      | Olive Branch-Stonelick Sewer Extension                       | 1,720,000         | 20,000           | -                | -                 | -                 | -                | 100,000          | 1,600,000         | 1,720,000         | 100,000           |
| 6402-      | Orchard Valley Lift Station Upgrade                          | 1,282,000         | -                | -                | -                 | 100,000           | 1,182,000        | -                | -                 | 1,282,000         | 1,282,000         |
| 6402-      | Savannah Ridge Sewer Extension                               | 147,000           | -                | -                | 147,000           | -                 | -                | -                | -                 | 147,000           | 147,000           |
| 6402-      | Shayler Run - Segment E                                      | 1,262,100         | 163,960          | -                | -                 | -                 | 1,098,140        | -                | -                 | 1,262,100         | 1,098,140         |
| 6402-60138 | Shayler Run Upstream Sewer Upgrade                           | 664,622           | 44,710           | 9,912            | -                 | -                 | -                | -                | 610,000           | 664,622           | 9,912             |
| 6402-      | SR 132 Lift Station Improvements                             | 170,000           | -                | -                | 20,000            | 150,000           | -                | -                | -                 | 170,000           | 170,000           |
| 6402-      | SR 132 Sewer Improvements                                    | 785,000           | -                | -                | -                 | -                 | 155,000          | 630,000          | -                 | 785,000           | 785,000           |
| 6402-60001 | Utility Relocations  | 600,000           | -                | 100,000          | 100,000           | 100,000           | 100,000          | 100,000          | 100,000           | 600,000           | 500,000           |
| 6402-      | Wards Corner Road Sewer Petition                             | 430,000           | -                | -                | -                 | -                 | -                | -                | 430,000           | 430,000           | -                 |
| 6402-60144 | Wastewater Model Maintenance                                 | 100,000           | 9,500            | 40,500           | 25,000            | 25,000            | -                | -                | -                 | 100,000           | 90,500            |
| 6402-60049 | Wastewater Stream Revetment                                  | 200,000           | -                | -                | 50,000            | 50,000            | 50,000           | 50,000           | -                 | 200,000           | 200,000           |
| 6402-      | Wastewater Treatment Plant Rehabilitation                    | 2,000,000         | -                | 400,000          | -                 | 400,000           | 400,000          | 400,000          | 400,000           | 2,000,000         | 1,600,000         |
|            | <b>TOTAL</b>   | <b>79,548,743</b> | <b>4,713,525</b> | <b>6,309,533</b> | <b>13,079,845</b> | <b>11,056,000</b> | <b>6,782,240</b> | <b>4,125,000</b> | <b>33,482,600</b> | <b>79,548,743</b> | <b>41,352,618</b> |









### 2018 Wastewater Capital Improvement - Project Summary

|  | Funding Source           | Planned    | Prior Yr CTD | 2018      | 2019       | 2020       | 2021      | 2022      | 2023-Beyond | Total      | *Adj. 5 Yr Total |
|--|--------------------------|------------|--------------|-----------|------------|------------|-----------|-----------|-------------|------------|------------------|
| SR 132 Sewer Improvements                          | MEF-P2-24                | 785,000    | -            | -         | -          | -          | 155,000   | 630,000   | -           | 785,000    | 785,000          |
|  | Capital Improvement Fund | -          | -            | -         | -          | -          | 155,000   | 630,000   | -           | 785,000    | 785,000          |
|  | Assessment               | -          | -            | -         | -          | -          | -         | -         | -           | -          | -                |
|  | Loan                     | -          | -            | -         | -          | -          | -         | -         | -           | -          | -                |
| Utility Relocations                                | -                        | 600,000    | -            | 100,000   | 100,000    | 100,000    | 100,000   | 100,000   | 100,000     | 600,000    | 500,000          |
|  | Capital Improvement Fund | -          | -            | 100,000   | 100,000    | 100,000    | 100,000   | 100,000   | 100,000     | 600,000    | 500,000          |
|  | Assessment               | -          | -            | -         | -          | -          | -         | -         | -           | -          | -                |
|  | Loan                     | -          | -            | -         | -          | -          | -         | -         | -           | -          | -                |
| Wards Corner Road Sewer Petition                   | -                        | 430,000    | -            | -         | -          | -          | -         | -         | 430,000     | 430,000    | -                |
|  | Capital Improvement Fund | -          | -            | -         | -          | -          | -         | -         | 70,000      | 70,000     | -                |
|  | Assessment               | -          | -            | -         | -          | -          | -         | -         | 360,000     | 360,000    | -                |
|  | Loan                     | -          | -            | -         | -          | -          | -         | -         | -           | -          | -                |
| Wastewater Model Maintenance                       | -                        | 100,000    | 9,500        | 40,500    | 25,000     | 25,000     | -         | -         | -           | 100,000    | 90,500           |
|  | Capital Improvement Fund | -          | 9,500        | 40,500    | 25,000     | 25,000     | -         | -         | -           | 100,000    | 90,500           |
|  | Assessment               | -          | -            | -         | -          | -          | -         | -         | -           | -          | -                |
|  | Loan                     | -          | -            | -         | -          | -          | -         | -         | -           | -          | -                |
| Wastewater Stream Revetment                        | -                        | 200,000    | -            | -         | 50,000     | 50,000     | 50,000    | 50,000    | -           | 200,000    | 200,000          |
|  | Capital Improvement Fund | -          | -            | -         | 50,000     | 50,000     | 50,000    | 50,000    | -           | 200,000    | 200,000          |
|  | Assessment               | -          | -            | -         | -          | -          | -         | -         | -           | -          | -                |
|  | Loan                     | -          | -            | -         | -          | -          | -         | -         | -           | -          | -                |
| Wastewater Treatment Plant Rehabilitation          | -                        | 2,000,000  | -            | 400,000   | -          | 400,000    | 400,000   | 400,000   | 400,000     | 2,000,000  | 1,600,000        |
|  | Capital Improvement Fund | -          | -            | 400,000   | -          | 400,000    | 400,000   | 400,000   | 400,000     | 2,000,000  | 1,600,000        |
|  | Assessment               | -          | -            | -         | -          | -          | -         | -         | -           | -          | -                |
|  | Loan                     | -          | -            | -         | -          | -          | -         | -         | -           | -          | -                |
| <b>TOTAL</b>                                       | Expenditures             | 79,548,743 | 4,713,525    | 6,309,533 | 13,079,845 | 11,056,000 | 6,782,240 | 4,125,000 | 33,482,600  | 79,548,743 | 41,352,618       |
|  | Capital Improvement Fund | 67,330,583 | 4,627,965    | 5,625,775 | 12,173,603 | 10,876,000 | (435,760) | 3,975,000 | 30,488,000  | 67,330,583 | 32,214,618       |
|  | Assessment               | 3,324,600  | -            | -         | -          | 180,000    | -         | 150,000   | 2,994,600   | 3,324,600  | 330,000          |
|  | Loan                     | 4,218,000  | -            | -         | -          | -          | 4,218,000 | -         | -           | 4,218,000  | 4,218,000        |
|  | Grant                    | 4,675,560  | 85,560       | 683,758   | 906,242    | -          | 3,000,000 | -         | -           | 4,675,560  | 4,590,000        |
| *Adjusted 5 year plan = 2018-2022 Expenditure Plan |                          |            |              |           |            |            |           |           |             |            |                  |



## 2018 Wastewater Capital Improvement - Project Summary

|                                     |  |          |                             |                        |  |
|-------------------------------------|--|----------|-----------------------------|------------------------|--|
| <b>Project :</b>                    | Arc Flash Analysis & Labeling  | 6402-    | Project Manager:            | <b>Date of Update:</b> | 2-Feb-18                                   |
| <b>Description:</b>                 | Identification and labeling of arc flash hazards at various locations in the wastewater treatment and collection system to assist with NFPA70E compliance. |          |                             | <b>Justificati</b>     | Petition<br>BOH<br>Master Plan<br>XL       |
| <b>Township</b>                     | County Wide  |          |                             | <b>Coordinates:</b>    | Capacity<br>Need<br>Consent Order<br>Other |
| <b>Annual Effect on Operations:</b> | -  | O&M/year | <b>Resolutions:</b>         | <b>Construction:</b>   | <b>Bid Opening:</b>                        |
| <b>Easements Procured:</b>          | N/A  |          | RAGP<br>RADP<br>RON<br>RDTP |                        | <b>Contract Award:</b>                     |
| <b>Special Conditions:</b>          |  |          |                             |                        | <b>Contract Execution:</b>                 |
|                                     |  |          |                             |                        | <b>Notice to Proceed:</b>                  |

### Expenditure Plan

| Task   | Vendor                          | Planned   | Prior Yr CTD | 2018      | 2019       | 2020 | 2021 | 2022 | 2023-Beyond | Total      |
|--|---------------------------------|-----------|--------------|-----------|------------|------|------|------|-------------|------------|
| <b>Preliminary Engineering</b>                 |                                 | \$0       |              |           |            |      |      |      |             | \$0        |
| Date Complete:                                 |                                 |           |              |           |            |      |      |      |             |            |
| <b>Detail Plans</b>                            |                                 | \$50,000  |              | \$50,000  |            |      |      |      |             | \$50,000   |
| Date Complete:                                 |                                 |           |              |           |            |      |      |      |             |            |
| <b>Land/Easements</b>                          |                                 | \$0       |              |           |            |      |      |      |             | \$0        |
| <b>Construction Engineering and Inspection</b> |                                 | \$0       |              |           |            |      |      |      |             | \$0        |
| <b>General Contractor</b>                      |                                 | \$200,000 |              |           | \$200,000  |      |      |      |             | \$200,000  |
| <b>Misc</b>                                    |                                 | \$0       |              |           |            |      |      |      |             | \$0        |
| <b>Total</b>                                   |                                 | \$250,000 | \$0          | \$50,000  | \$200,000  | \$0  | \$0  | \$0  | \$0         | \$250,000  |
| <b>Funding Source:</b>                         | <b>Capital Improvement Fund</b> | \$        | -            | \$ 50,000 | \$ 200,000 | \$   | -    | \$   | -           | \$ 250,000 |
|  | <b>Assessment</b>               | \$        | -            | \$        | -          | \$   | -    | \$   | -           | \$         |
|  | <b>Loan</b>                     | \$        | -            | \$        | -          | \$   | -    | \$   | -           | \$         |
|  | <b>Grant</b>                    | \$        | -            | \$        | -          | \$   | -    | \$   | -           | \$         |

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

**Problems:**

**Notes:**

## 2018 Wastewater Capital Improvement - Project Summary

|   |   |
|---|---|
| <b>Project :</b> Arrowhead Wastewater Treatment Plant Elimination 6402- Project Manager:  | <b>Date of Update:</b> 2-Feb-18   |
| <b>Description:</b> Elimination of a package wastewater treatment plant constructed in 1972. Flow to be directed to Wards Corner Regional WWTP. | <b>Justification:</b> Petition BOH <u>Master Plan</u> LHR-P2-T2 XL <span style="float: right;">Capacity Need Consent Order Other</span> |
| <b>Township:</b> Miami  | <b>Coordinates:</b>   |
| <b>Annual Effect on Operations:</b> \$ 5,000 O&M/year   | <b>Resolutions:</b> RAGP<br>RADP<br>RON<br>RDTP   |
| <b>Easements Procured:</b> no   |   |
| <b>Special Conditions:</b>  |   |
| <b>Construction:</b> Bid Opening:<br>Contract Award:<br>Contract Execution:<br>Notice to Proceed:   |   |

### Expenditure Plan

| Task   | Vendor | Planned            | Prior Yr CTD | 2018             | 2019               | 2020       | 2021       | 2022       | 2023-Beyond | Total              |
|--|--------|--------------------|--------------|------------------|--------------------|------------|------------|------------|-------------|--------------------|
| <b>Preliminary Engineering</b>                 |        | \$0                |              |                  |                    |            |            |            |             | \$0                |
| <b>Detail Plans</b>                            |        | \$100,000          |              | \$100,000        |                    |            |            |            |             | \$100,000          |
| <b>Land/Easements</b>                          |        | \$50,000           |              | \$50,000         |                    |            |            |            |             | \$50,000           |
| <b>Construction Engineering and Inspection</b> |        | \$0                |              |                  |                    |            |            |            |             | \$0                |
| <b>General Contractor</b>                      |        | \$1,400,000        |              |                  | \$1,400,000        |            |            |            |             | \$1,400,000        |
| <b>Misc</b>                                    |        | \$0                |              |                  |                    |            |            |            |             | \$0                |
| <b>Total</b>                                   |        | <b>\$1,550,000</b> | <b>\$0</b>   | <b>\$150,000</b> | <b>\$1,400,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b>  | <b>\$1,550,000</b> |

|                        |                                 |    |   |    |         |    |           |    |   |    |   |    |   |    |   |    |           |
|------------------------|---------------------------------|----|---|----|---------|----|-----------|----|---|----|---|----|---|----|---|----|-----------|
| <b>Funding Source:</b> | <b>Capital Improvement Fund</b> | \$ | - | \$ | 150,000 | \$ | 1,400,000 | \$ | - | \$ | - | \$ | - | \$ | - | \$ | 1,550,000 |
|                        | <b>Assessment</b>               | \$ | - | \$ | -       | \$ | -         | \$ | - | \$ | - | \$ | - | \$ | - | \$ | -         |
|                        | <b>Loan</b>                     | \$ | - | \$ | -       | \$ | -         | \$ | - | \$ | - | \$ | - | \$ | - | \$ | -         |
|                        | <b>Grant</b>                    | \$ | - | \$ | -       | \$ | -         | \$ | - | \$ | - | \$ | - | \$ | - | \$ | -         |

**Positive Aspects of Project:**

Eliminates an aging package plant and assists with regionalization.

**Problems:**

Elimination of package plant will require approximately 3 miles of gravity sewer routed along the bike trail.

Lift Station Option will require a new lift station, approximately 1 mile of force main, and approximately 3,000 feet of sewer from the Indian Lookout LS on the Todd (Gun Club) property.

**Notes:**

## 2018 Wastewater Capital Improvement - Project Summary

|                                     |  |   |                  |    |                        |   |  |
|-------------------------------------|--|---|------------------|----|------------------------|---|--|
| <b>Project :</b>                    | Bethel Area Sewer Replacement  | 6402-60106                                      | Project Manager: | JG | <b>Date of Update:</b> | 2-Feb-18  |  |
| <b>Description:</b>                 | Replacement and upsizing of approximately 5,600 feet of various size sewer mains in the Bethel area to address capacity issues identified during flow monitoring study completed in 2012 & 2013. |   |                  |    | <b>Justification:</b>  | Petition<br>BOH<br>Master Plan<br>MEF P1-02<br>MEF-P2-06<br>Capacity Need<br>Consent Order<br>Other |  |
| <b>Township</b>                     | Tate   |   |                  |    |                        | <b>Coordinates:</b>   |  |
| <b>Annual Effect on Operations:</b> | \$ 1,200 O&M/year  | <b>Resolutions:</b> RAGP<br>RADP<br>RON<br>RDTP |                  |    | <b>Construction:</b>   | Bid Opening:<br>Contract Award:<br>Contract Execution:<br>Notice to Proceed:                        |  |
| <b>Easements Procured:</b>          | Complete   |   |                  |    |                        |   |  |
| <b>Special Conditions:</b>          |  |   |                  |    |                        |   |  |

### Expenditure Plan

| Task   | Vendor                          | Planned     | Prior Yr CTD | 2018        | 2019       | 2020 | 2021 | 2022 | 2023-Beyond | Total       |
|--|---------------------------------|-------------|--------------|-------------|------------|------|------|------|-------------|-------------|
| <b>Preliminary Engineering</b>                 | FTC&H                           | \$70,682    | \$70,682     |             |            |      |      |      |             | \$70,682    |
| <b>Detail Plans</b>                            | FTC&H                           | \$95,560    | \$92,810     | \$2,750     |            |      |      |      |             | \$95,560    |
| <b>Land/Easements</b>                          |                                 | \$57,030    | \$57,030     |             |            |      |      |      |             | \$57,030    |
| <b>Construction Engineering and Inspection</b> |                                 |             |              |             |            |      |      |      |             | \$0         |
| <b>General Contractor</b>                      |                                 | \$1,528,152 |              | \$1,250,000 | \$278,152  |      |      |      |             | \$1,528,152 |
| <b>Misc</b>                                    | THELEN                          | \$10,700    | \$10,700     |             |            |      |      |      |             | \$10,700    |
|  |                                 | \$14,500    | \$14,500     |             |            |      |      |      |             | \$14,500    |
| <b>Total</b>                                   |                                 | \$1,776,624 | \$245,722    | \$1,252,750 | \$278,152  | \$0  | \$0  | \$0  | \$0         | \$1,776,624 |
| <b>Funding Source:</b>                         | <b>Capital Improvement Fund</b> | \$ 160,162  | \$ 640,250   | \$ 171,910  | \$ -       | \$ - | \$ - | \$ - | \$ -        | \$ 972,322  |
|  | <b>Assessment</b>               | \$ -        | \$ -         | \$ -        | \$ -       | \$ - | \$ - | \$ - | \$ -        | \$ -        |
|  | <b>Loan</b>                     | \$ -        | \$ -         | \$ -        | \$ -       | \$ - | \$ - | \$ - | \$ -        | \$ -        |
|  | <b>Grant OPWC</b>               | \$ 804,302  | \$ 85,560    | \$ 612,500  | \$ 106,242 | \$ - | \$ - | \$ - | \$ -        | \$ 804,302  |

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

**Problems: Easements**

**Notes:**  
 Preliminary Engineering for lift station storage upsizing included flow monitoring, rain gauge, and InfoWorks Model verification.  
 Upsizing of lift station storage is not necessary. However, capacity issues in the collections system were identified. Project has been adjusted to represent the change from additional storage to sewer replacement.

## 2018 Wastewater Capital Improvement - Project Summary

|                                     |  |   |                  |    |                            |   |
|-------------------------------------|--|---|------------------|----|----------------------------|---|
| <b>Project :</b>                    | Bethel Area Sewer Replacement - Phase II   | 6402-   | Project Manager: | JG | <b>Date of Update:</b>     | 2-Feb-18  |
| <b>Description:</b>                 | Phase II of replacement and upsizing of approximately 1,151 feet of various size sewer mains in the Bethel area to address capacity issues identified during flow monitoring study completed in 2012 & 2013. |   |                  |    | <b>Justification:</b>      | Petition<br>BOH<br>Master Plan<br>XL<br>MEF-P2-06<br>Consent Order<br>Capacity<br>Need<br>Other |
| <b>Township:</b>                    |  |   |                  |    | <b>Coordinates:</b>        |   |
| <b>Annual Effect on Operations:</b> | \$ 300 O&M/year  | <b>Resolutions:</b> RAGP<br>RADP<br>RON<br>RDTP |                  |    | <b>Construction:</b>       | <b>Bid Opening:</b>   |
| <b>Easements Procured:</b>          | 80% complete   |   |                  |    | <b>Contract Award:</b>     |   |
| <b>Special Conditions:</b>          |  |   |                  |    | <b>Contract Execution:</b> |   |
|                                     |  |   |                  |    | <b>Notice to Proceed:</b>  |   |

### Expenditure Plan

| Task   | Vendor                          | Planned          | Prior Yr CTD    | 2018            | 2019             | 2020       | 2021       | 2022       | 2023-Beyond | Total            |
|--|---------------------------------|------------------|-----------------|-----------------|------------------|------------|------------|------------|-------------|------------------|
| <b>Preliminary Engineering</b>                 |                                 |                  |                 |                 |                  |            |            |            |             | \$0              |
| Date Complete:                                 |                                 |                  |                 |                 |                  |            |            |            |             |                  |
| <b>Detail Plans</b>                            |                                 | \$10,000         |                 | \$10,000        |                  |            |            |            |             | \$10,000         |
| Date Complete:                                 |                                 |                  |                 |                 |                  |            |            |            |             |                  |
| <b>Land/Easements</b>                          |                                 | \$32,170         | \$12,170        | \$20,000        |                  |            |            |            |             | \$32,170         |
| <b>Construction Engineering and Inspection</b> |                                 |                  |                 |                 |                  |            |            |            |             | \$0              |
| General Contractor                             |                                 | \$300,000        |                 |                 | \$300,000        |            |            |            |             | \$300,000        |
| <b>Misc</b>                                    |                                 | \$2,000          |                 | \$2,000         |                  |            |            |            |             | \$2,000          |
| Permits  |                                 |                  |                 |                 |                  |            |            |            |             |                  |
| <b>Total</b>                                   |                                 | <b>\$344,170</b> | <b>\$12,170</b> | <b>\$32,000</b> | <b>\$300,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b>  | <b>\$344,170</b> |
| <b>Funding Source:</b>                         | <b>Capital Improvement Fund</b> | \$ 12,170        | \$ 32,000       | \$ 300,000      | \$ -             | \$ -       | \$ -       | \$ -       | \$ -        | \$ 344,170       |
|  | <b>Assessment</b>               | \$ -             | \$ -            | \$ -            | \$ -             | \$ -       | \$ -       | \$ -       | \$ -        | \$ -             |
|  | <b>Loan</b>                     | \$ -             | \$ -            | \$ -            | \$ -             | \$ -       | \$ -       | \$ -       | \$ -        | \$ -             |
|  | <b>Grant</b>                    | \$ -             | \$ -            | \$ -            | \$ -             | \$ -       | \$ -       | \$ -       | \$ -        | \$ -             |

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

**Problems: Easements**

**Notes:**  
 Second phase of the Bethel Area Sewer Replacement Project.

## 2018 Wastewater Capital Improvement - Project Summary

|  |                 |   |                     |  |  |
|--|-----------------|---|---------------------|--|--|
| <b>Project :</b> Branch Hill Guinea Road Sewer Petition  |                 | 6402-   | Project Manager: AK |  | <b>Date of Update:</b> 2-Feb-18  |
| <b>Description:</b> Installation of approximately 320' feet of 8" sanitary sewer to serve the residents along Branch Hill Guinea Road from Miami Trails Drive to Lewis Road. |                 |   |                     |  | <b>Justification:</b> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Petition</span><br>BOH<br>Master Plan<br>XL |
| <b>Township:</b> Miami   |                 |   |                     |  | <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Capacity Need</span><br>Consent Order<br>Other                    |
| <b>Annual Effect on Operations:</b>  | \$ 100 O&M/year | <b>Resolutions:</b> RAGP<br>RADP<br>RON<br>RDTP |                     |  | <b>Construction:</b> Bid Opening:<br>Contract Award:<br>Contract Execution:<br>Notice to Proceed:  |
| <b>Easements Procured:</b>   | no              |   |                     |  |  |
| <b>Special Conditions:</b>   | Petition        |   |                     |  |  |

### Expenditure Plan

| Task                                      | Vendor                          | Planned          | Prior Yr CTD | 2018            | 2019            | 2020       | 2021       | 2022       | 2023-Beyond | Total            |
|---|---------------------------------|------------------|--------------|-----------------|-----------------|------------|------------|------------|-------------|------------------|
| Preliminary Engineering<br>Date Complete: |                                 |                  |              |                 |                 |            |            |            |             | \$0              |
| Detail Plans<br>Date Complete:            |                                 | \$15,000         |              | \$15,000        |                 |            |            |            |             | \$15,000         |
| Land/Easements                            |                                 |                  |              |                 |                 |            |            |            |             | \$0              |
| Construction Engineering and Inspection   |                                 |                  |              |                 |                 |            |            |            |             | \$0              |
| General Contractor                        |                                 | \$85,000         |              |                 | \$85,000        |            |            |            |             | \$85,000         |
| Misc                                      |                                 | \$8,500          |              |                 | \$8,500         |            |            |            |             | \$8,500          |
| <b>Total</b>                              |                                 | <b>\$108,500</b> | <b>\$0</b>   | <b>\$15,000</b> | <b>\$93,500</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b>  | <b>\$108,500</b> |
| <b>Funding Source:</b>                    | <b>Capital Improvement Fund</b> | \$ -             | \$ -         | \$ 15,000       | \$ 93,500       | \$ -       | \$ -       | \$ -       | \$ -        | \$ 108,500       |
|   | <b>Assessment</b>               | \$ -             | \$ -         | \$ -            | \$ -            | \$ -       | \$ -       | \$ -       | \$ -        | \$ -             |
|   | <b>Loan</b>                     | \$ -             | \$ -         | \$ -            | \$ -            | \$ -       | \$ -       | \$ -       | \$ -        | \$ -             |
|   | <b>Grant</b>                    | \$ -             | \$ -         | \$ -            | \$ -            | \$ -       | \$ -       | \$ -       | \$ -        | \$ -             |

**Positive Aspects of Project:**

  
  
  

**Problems:**

  
  
  

**Notes:**

## 2018 Wastewater Capital Improvement - Project Summary

|   |  |   |  |   |  |
|---|--|---|--|---|--|
| <b>Project :</b> Cain Run Road Lift Station Improvments      6402-60157      Project Manager: AK  |  |   | <b>Date of Update:</b> 2-Feb-18  |   |  |
| <b>Description:</b> Improvements to the Cain Run Road Lift Station including the addition of a new back up power generator, control panel, bioxide pad and tank, pumps and various other equipment. |  |   | <b>Justificati</b> Petition<br>BOH<br>Master Plan<br>XL                      Capacity<br><u>Need</u><br>Consent Order<br>Other |   |  |
| <b>Township</b> Williamsburg  |  |   | <b>Coordinates:</b>  |   |  |
| <b>Annual Effect on Operations:</b> \$                      -                      O&M/year   |  | <b>Resolutions:</b> RAGP<br>RADP<br>RON<br>RDTP |  | <b>Construction:</b> Bid Opening:<br>Contract Award:<br>Contract Execution:<br>Notice to Proceed: |  |
| <b>Easements Procured:</b> No   |  | <b>Special Conditions:</b>                      |  |   |  |

### Expenditure Plan

| Task                                      | Vendor                          | Planned  | Prior Yr CTD | 2018      | 2019 | 2020 | 2021 | 2022 | 2023-Beyond | Total     |
|---|---------------------------------|----------|--------------|-----------|------|------|------|------|-------------|-----------|
| Preliminary Engineering<br>Date Complete: |                                 | \$0      |              |           |      |      |      |      |             | \$0       |
| Detail Plans<br>Date Complete:            |                                 | \$0      |              |           |      |      |      |      |             | \$0       |
| Land/Easements                            |                                 | \$0      |              |           |      |      |      |      |             | \$0       |
| Construction Engineering and Inspection   |                                 | \$0      |              |           |      |      |      |      |             | \$0       |
| General Contractor                        |                                 | \$87,000 |              | \$87,000  |      |      |      |      |             | \$87,000  |
| Misc                                      |                                 | \$0      |              |           |      |      |      |      |             | \$0       |
| <b>Total</b>                              |                                 | \$87,000 | \$0          | \$87,000  | \$0  | \$0  | \$0  | \$0  | \$0         | \$87,000  |
| <b>Funding Source:</b>                    | <b>Capital Improvement Fund</b> | \$ -     | \$ -         | \$ 87,000 | \$ - | \$ - | \$ - | \$ - | \$ -        | \$ 87,000 |
|   | <b>Assessment</b>               | \$ -     | \$ -         | \$ -      | \$ - | \$ - | \$ - | \$ - | \$ -        | \$ -      |
|   | <b>Loan</b>                     | \$ -     | \$ -         | \$ -      | \$ - | \$ - | \$ - | \$ - | \$ -        | \$ -      |
|   | <b>Grant</b>                    | \$ -     | \$ -         | \$ -      | \$ - | \$ - | \$ - | \$ - | \$ -        | \$ -      |

**Positive Aspects of Project:**

  
  

**Problems:**

  
  

**Notes:**

## 2018 Wastewater Capital Improvement - Project Summary

|                                     |  |            |   |    |                        |  |  |
|-------------------------------------|--|------------|---|----|------------------------|--|--|
| <b>Project :</b>                    | Collection System Rehabilitation   | 6402-62002 | Project Manager:                                | JG | <b>Date of Update:</b> | 2-Feb-18   |  |
| <b>Description:</b>                 | This work will include rehabilitation of existing portions of the collection system that have reached their useful life. Areas will be identified and prioritized using CCTV data. |            |   |    | <b>Justificati</b>     | Petition<br>BOH<br>Master Plan<br>XL   |  |
| <b>Township</b>                     | Countywide   |            |   |    |                        | <b>Coordinates:</b>  | Capacity<br>Need<br>Consent Order<br>Other |
| <b>Annual Effect on Operations:</b> | \$ -   | O&M/Year   | <b>Resolutions:</b> RAGP<br>RADP<br>RON<br>RDTP |    | <b>Construction:</b>   | Bid Opening:<br>Contract Award:<br>Contract Execution:<br>Notice to Proceed: |  |
| <b>Easements Procured:</b>          | Unknown  |            |   |    |                        |  |  |
| <b>Special Conditions:</b>          |  |            |   |    |                        |  |  |

### Expenditure Plan

| Task                                    | Vendor                   | Planned            | Prior Yr CTD | 2018       | 2019               | 2020               | 2021               | 2022               | 2023-Beyond        | Total              |
|---|--------------------------|--------------------|--------------|------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Preliminary Engineering                 |                          | \$0                | \$0          |            |                    |                    |                    |                    |                    | \$0                |
| Date Complete:                          |                          |                    |              |            |                    |                    |                    |                    |                    |                    |
| Detail Plans                            |                          | \$0                | \$0          |            |                    |                    |                    |                    |                    | \$0                |
| Date Complete:                          |                          |                    |              |            |                    |                    |                    |                    |                    |                    |
| Land/Easements                          |                          | \$0                | \$0          |            |                    |                    |                    |                    |                    | \$0                |
| Construction Engineering and Inspection |                          | \$0                | \$0          |            |                    |                    |                    |                    |                    | \$0                |
| General Contractor                      |                          | \$9,350,000        | \$0          |            | \$1,500,000        | \$1,500,000        | \$2,000,000        | \$2,000,000        | \$2,350,000        | \$9,350,000        |
| Misc                                    |                          | \$0                | \$0          |            |                    |                    |                    |                    |                    | \$0                |
| <b>Total</b>                            |                          | <b>\$9,350,000</b> | <b>\$0</b>   | <b>\$0</b> | <b>\$1,500,000</b> | <b>\$1,500,000</b> | <b>\$2,000,000</b> | <b>\$2,000,000</b> | <b>\$2,350,000</b> | <b>\$9,350,000</b> |
| <b>Funding Source:</b>                  | Capital Improvement Fund | \$ -               | \$ -         | \$ -       | \$ 1,500,000       | \$ 1,500,000       | \$ 2,000,000       | \$ 2,000,000       | \$ 2,350,000       | \$ 9,350,000       |
|   | Assessment               | \$ -               | \$ -         | \$ -       | \$ -               | \$ -               | \$ -               | \$ -               | \$ -               | \$ -               |
|   | Loan                     | \$ -               | \$ -         | \$ -       | \$ -               | \$ -               | \$ -               | \$ -               | \$ -               | \$ -               |
|   | Grant                    | \$ -               | \$ -         | \$ -       | \$ -               | \$ -               | \$ -               | \$ -               | \$ -               | \$ -               |

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

**Problems:**

**Notes:**

## 2018 Wastewater Capital Improvement - Project Summary

|                                     |  |            |                     |                             |                        |  |
|-------------------------------------|--|------------|---------------------|-----------------------------|------------------------|--|
| <b>Project :</b>                    | Collection System Rehabilitation - 2016  | 6402-62006 | Project Manager:    | JG                          | <b>Date of Update:</b> | 2-Feb-18   |
| <b>Description:</b>                 | Rehabilitation of approximately 21,243 of 8" & 18" sanitary sewer main, 68 manholes and the installation of lateral cleanouts along Seabrook Way, Timber Creek Drive, Shady Lane, Old SR 32, Mil Haven Drive, Hospital Drive and Bauer Road. |            |                     |                             | <b>Justification:</b>  | Petition<br>BOH<br>Master Plan<br>XL   |
| <b>Township</b>                     | Batavia & Union  |            |                     |                             | <b>Coordinates:</b>    | Capacity<br>Need<br>Consent Order<br>Other   |
| <b>Annual Effect on Operations:</b> | \$ -   | O&M/year   | <b>Resolutions:</b> | RAGP<br>RADP<br>RON<br>RDTP | <b>Construction:</b>   | <b>Bid Opening:</b><br><b>Contract Award:</b><br><b>Contract Execution:</b><br><b>Notice to Proceed:</b> |
| <b>Easements Procured:</b>          | yes  |            |                     |                             |                        |  |
| <b>Special Conditions:</b>          |  |            |                     |                             |                        |  |

### Expenditure Plan

| Task                                    | Vendor                          | Planned            | Prior Yr CTD       | 2018             | 2019       | 2020       | 2021       | 2022       | 2023-Beyond | Total              |
|---|---------------------------------|--------------------|--------------------|------------------|------------|------------|------------|------------|-------------|--------------------|
| Preliminary Engineering                 |                                 | \$0                |                    |                  |            |            |            |            |             | \$0                |
| Date Complete:                          |                                 |                    |                    |                  |            |            |            |            |             |                    |
| Detail Plans                            |                                 | \$950              | \$950              |                  |            |            |            |            |             | \$950              |
| Date Complete:                          |                                 |                    |                    |                  |            |            |            |            |             |                    |
| Land/Easements                          |                                 | \$0                |                    |                  |            |            |            |            |             | \$0                |
| Construction Engineering and Inspection |                                 | \$0                |                    |                  |            |            |            |            |             | \$0                |
| General Contractor                      |                                 | \$2,777,890        | \$2,467,900        | \$309,990        |            |            |            |            |             | \$2,777,890        |
| Misc                                    |                                 | \$1,500            | \$1,500            |                  |            |            |            |            |             | \$1,500            |
| <b>Total</b>                            |                                 | <b>\$2,780,340</b> | <b>\$2,470,350</b> | <b>\$309,990</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b>  | <b>\$2,780,340</b> |
| <b>Funding Source:</b>                  | <b>Capital Improvement Fund</b> | \$ 2,470,350       | \$ 309,990         | \$ -             | \$ -       | \$ -       | \$ -       | \$ -       | \$ -        | \$ 2,780,340       |
|   | Assessment                      | \$ -               | \$ -               | \$ -             | \$ -       | \$ -       | \$ -       | \$ -       | \$ -        | \$ -               |
|   | Loan                            | \$ -               | \$ -               | \$ -             | \$ -       | \$ -       | \$ -       | \$ -       | \$ -        | \$ -               |
|   | Grant                           | \$ -               | \$ -               | \$ -             | \$ -       | \$ -       | \$ -       | \$ -       | \$ -        | \$ -               |

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

**Problems:**

**Notes:**  
Two segments at the end of Anthony Lane added in early 2018.



## 2018 Wastewater Capital Improvement - Project Summary

|                                     |  |            |                  |                     |                             |  |
|-------------------------------------|--|------------|------------------|---------------------|-----------------------------|--|
| <b>Project :</b>                    | Collection System Rehabilitation - 2018  | 6402-62007 | Project Manager: | JG                  | <b>Date of Update:</b>      | 2-Feb-18   |
| <b>Description:</b>                 | Rehabilitation of approximately 19,570 linear feet of existing sanitary sewers, manholes and laterals along various upstream branches of the Shayler trunk sewer and various size sewers along Locust Lake Road, Oak St., Maple St., Hitchcock Ln., Chapel Rd. and SR 125. |            |                  |                     | <b>Justification:</b>       | Petition<br>BOH<br><u>Master Plan</u><br>XL                                  |
| <b>Township:</b>                    | Pierce & Union   |            |                  |                     | <b>Coordinates:</b>         | Capacity<br><u>Need</u><br>Consent Order<br>Other                            |
| <b>Annual Effect on Operations:</b> | \$ -   | O&M/year   |                  | <b>Resolutions:</b> | RAGP<br>RADP<br>RON<br>RDTP |  |
| <b>Easements Procured:</b>          | N/A  |            |                  |                     | <b>Construction:</b>        | Bid Opening:<br>Contract Award:<br>Contract Execution:<br>Notice to Proceed: |
| <b>Special Conditions:</b>          |  |            |                  |                     |                             |  |

### Expenditure Plan

| Task                                       | Vendor | Planned            | Prior Yr CTD | 2018               | 2019               | 2020       | 2021       | 2022       | 2023-Beyond | Total              |
|--|--------|--------------------|--------------|--------------------|--------------------|------------|------------|------------|-------------|--------------------|
| Preliminary Engineering<br>Date Complete:  |        | \$0                |              |                    |                    |            |            |            |             | \$0                |
| Detail Plans<br>Date Complete:             |        | \$3,000            |              | \$3,000            |                    |            |            |            |             | \$3,000            |
| Land/Easements                             |        | \$0                |              |                    |                    |            |            |            |             | \$0                |
| Construction Engineering<br>and Inspection |        | \$0                |              |                    |                    |            |            |            |             | \$0                |
| General Contractor                         |        | \$3,130,000        |              | \$1,500,000        | \$1,630,000        |            |            |            |             | \$3,130,000        |
| Misc                                       |        | \$2,000            |              | \$2,000            |                    |            |            |            |             | \$2,000            |
| <b>Total</b>                               |        | <b>\$3,135,000</b> | <b>\$0</b>   | <b>\$1,505,000</b> | <b>\$1,630,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b>  | <b>\$3,135,000</b> |

|                        |                          |      |      |              |            |      |      |      |      |      |      |              |
|------------------------|--------------------------|------|------|--------------|------------|------|------|------|------|------|------|--------------|
| <b>Funding Source:</b> | Capital Improvement Fund | \$ - | \$ - | \$ 1,505,000 | \$ 830,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 2,335,000 |
|                        | Assessment               | \$ - | \$ - | \$ -         | \$ -       | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ -         |
|                        | Loan                     | \$ - | \$ - | \$ -         | \$ -       | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ -         |
|                        | Grant                    | \$ - | \$ - | \$ -         | \$ 800,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 800,000   |

**Positive Aspects of Project:**

Rehabilitates by slip lining existing, deteriorated infrastructure.  
 Addressess WWMPU Projects MEF-P2-20 & LEF-P1-01

**Problems:**

**Notes:**

Shayler upstream sewers include Forsythia Dr., Ellis Ave., Loda Dr., Gleneste-Withamsville Rd., Picket Way and Heatherstone Ct.  
 Locust Lake Rd. rehabilitation of laterals and manholes only.

## 2018 Wastewater Capital Improvement - Project Summary

|                                     |   |                             |                  |                        |  |
|-------------------------------------|---|-----------------------------|------------------|------------------------|--|
| <b>Project :</b>                    | Collection System Rehabilitation - 2019   | 6402-                       | Project Manager: | <b>Date of Update:</b> | 2-Feb-18                                   |
| <b>Description:</b>                 | Rehabilitation of approximately 2,601 linear feet of existing 8" & 12" sanitary sewers, manholes and laterals starting at the end of David Ct. and extending behind Anthony Ln. in a westerly direction to Cook Rd. |                             |                  | <b>Justificati</b>     | Petition<br>BOH<br>Master Plan<br>XL       |
| <b>Township</b>                     | Miami   | <b>Resolutions:</b>         |                  |                        | Capacity<br>Need<br>Consent Order<br>Other |
| <b>Annual Effect on Operations:</b> | \$ - O&M/year   | RAGP<br>RADP<br>RON<br>RDTP |                  |                        | <b>Coordinates:</b>                        |
| <b>Easements Procured:</b>          | no  |                             |                  |                        | <b>Construction:</b>                       |
| <b>Special Conditions:</b>          |   |                             |                  |                        |  |

### Expenditure Plan

| Task   | Vendor                          | Planned   | Prior Yr CTD | 2018 | 2019       | 2020 | 2021 | 2022 | 2023-Beyond | Total      |
|--|---------------------------------|-----------|--------------|------|------------|------|------|------|-------------|------------|
| <b>Preliminary Engineering</b>                 |                                 | \$0       |              |      |            |      |      |      |             | \$0        |
| Date Complete:                                 |                                 |           |              |      |            |      |      |      |             |            |
| <b>Detail Plans</b>                            |                                 | \$0       |              |      |            |      |      |      |             | \$0        |
| Date Complete:                                 |                                 |           |              |      |            |      |      |      |             |            |
| <b>Land/Easements</b>                          |                                 | \$0       |              |      |            |      |      |      |             | \$0        |
| <b>Construction Engineering and Inspection</b> |                                 | \$0       |              |      |            |      |      |      |             | \$0        |
| <b>General Contractor</b>                      |                                 | \$500,000 |              |      | \$500,000  |      |      |      |             | \$500,000  |
| <b>Misc</b>                                    |                                 | \$2,000   |              |      | \$2,000    |      |      |      |             | \$2,000    |
| <b>Total</b>                                   |                                 | \$502,000 | \$0          | \$0  | \$502,000  | \$0  | \$0  | \$0  | \$0         | \$502,000  |
| <b>Funding Source:</b>                         | <b>Capital Improvement Fund</b> | \$ -      | \$ -         | \$ - | \$ 502,000 | \$ - | \$ - | \$ - | \$ -        | \$ 502,000 |
|  | <b>Assessment</b>               | \$ -      | \$ -         | \$ - | \$ -       | \$ - | \$ - | \$ - | \$ -        | \$ -       |
|  | <b>Loan</b>                     | \$ -      | \$ -         | \$ - | \$ -       | \$ - | \$ - | \$ - | \$ -        | \$ -       |
|  | <b>Grant</b>                    | \$ -      | \$ -         | \$ - | \$ -       | \$ - | \$ - | \$ - | \$ -        | \$ -       |

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

**Problems:**  
Site access

**Notes:**  
Limits - Manhole 7070 to manhole 5077

## 2018 Wastewater Capital Improvement - Project Summary

|                                     |   |          |   |                        |  |
|-------------------------------------|---|----------|---|------------------------|--|
| <b>Project :</b>                    | Commercial Revenue Enhancement                          | 6402-    | Project Manager:                                | <b>Date of Update:</b> | 2-Feb-18   |
| <b>Description:</b>                 | New sewer improvements to increase commercial revenues. |          |   | <b>Justificati</b>     | Petition<br>BOH<br>Master Plan<br>XL   |
| <b>Township</b>                     | Countywide  |          |   | <b>Coordinates:</b>    | Capacity<br>Need<br>Consent Order<br>Other                                   |
| <b>Annual Effect on Operations:</b> | unknown   | O&M/Year | <b>Resolutions:</b> RAGP<br>RADP<br>RON<br>RDTP | <b>Construction:</b>   | Bid Opening:<br>Contract Award:<br>Contract Execution:<br>Notice to Proceed: |
| <b>Easements Procured:</b>          | Unknown   |          |   |                        |  |
| <b>Special Conditions:</b>          |   |          |   |                        |  |

### Expenditure Plan

| Task                                    | Vendor                          | Planned          | Prior Yr CTD | 2018             | 2019             | 2020             | 2021             | 2022             | 2023-Beyond      | Total            |
|---|---------------------------------|------------------|--------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Preliminary Engineering                 |                                 | \$0              | \$0          |                  |                  |                  |                  |                  |                  | \$0              |
| Date Complete:                          |                                 |                  |              |                  |                  |                  |                  |                  |                  |                  |
| Detail Plans                            |                                 | \$0              | \$0          |                  |                  |                  |                  |                  |                  | \$0              |
| Date Complete:                          |                                 |                  |              |                  |                  |                  |                  |                  |                  |                  |
| Land/Easements                          |                                 | \$0              | \$0          |                  |                  |                  |                  |                  |                  | \$0              |
| Construction Engineering and Inspection |                                 | \$0              | \$0          |                  |                  |                  |                  |                  |                  | \$0              |
| General Contractor                      |                                 | \$0              | \$0          |                  |                  |                  |                  |                  |                  | \$0              |
| Misc                                    |                                 | \$600,000        | \$0          | \$100,000        | \$100,000        | \$100,000        | \$100,000        | \$100,000        | \$100,000        | \$600,000        |
| <b>Total</b>                            |                                 | <b>\$600,000</b> | <b>\$0</b>   | <b>\$100,000</b> | <b>\$100,000</b> | <b>\$100,000</b> | <b>\$100,000</b> | <b>\$100,000</b> | <b>\$100,000</b> | <b>\$600,000</b> |
| <b>Funding Source:</b>                  | <b>Capital Improvement Fund</b> | \$ -             | \$ -         | \$ 100,000       | \$ 100,000       | \$ 100,000       | \$ 100,000       | \$ 100,000       | \$ 100,000       | \$ 600,000       |
|   | <b>Assessment</b>               | \$ -             | \$ -         | \$ -             | \$ -             | \$ -             | \$ -             | \$ -             | \$ -             | \$ -             |
|   | <b>Loan</b>                     | \$ -             | \$ -         | \$ -             | \$ -             | \$ -             | \$ -             | \$ -             | \$ -             | \$ -             |
|   | <b>Grant</b>                    | \$ -             | \$ -         | \$ -             | \$ -             | \$ -             | \$ -             | \$ -             | \$ -             | \$ -             |

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

**Problems:**

**Notes:**

## 2018 Wastewater Capital Improvement - Project Summary

|                                     |   |   |                  |   |  |
|-------------------------------------|---|---|------------------|---|--|
| <b>Project :</b>                    | Computerized Maintenance Management System (CMMS)   | 6402-   | Project Manager: | <b>Date of Update:</b>  | 2-Feb-18                                   |
| <b>Description:</b>                 | Purchase of single CMMS software to be used throughout the Water Resources Department to track maintenance needs, work orders, etc. |   |                  | <b>Justificati</b>  | Petition<br>BOH<br>Master Plan<br>XL       |
| <b>Township</b>                     | N/A   |   |                  | <b>Coordinates:</b>   | Capacity<br>Need<br>Consent Order<br>Other |
| <b>Annual Effect on Operations:</b> | O&M/year  | <b>Resolutions:</b> RAGP<br>RADP<br>RON<br>RDTP |                  | <b>Construction:</b> Bid Opening:<br>Contract Award:<br>Contract Execution:<br>Notice to Proceed: |  |
| <b>Easements Procured:</b>          | N/A   |   |                  |   |  |
| <b>Special Conditions:</b>          | 50% Water/50% Sewer funds   |   |                  |   |  |

### Expenditure Plan

| Task   | Vendor                          | Planned   | Prior Yr CTD | 2018       | 2019 | 2020 | 2021 | 2022 | 2023-Beyond | Total      |
|--|---------------------------------|-----------|--------------|------------|------|------|------|------|-------------|------------|
| <b>Preliminary Engineering</b>                 |                                 | \$0       |              |            |      |      |      |      |             | \$0        |
| Date Complete:                                 |                                 |           |              |            |      |      |      |      |             |            |
| <b>Detail Plans</b>                            |                                 | \$0       |              |            |      |      |      |      |             | \$0        |
| Date Complete:                                 |                                 |           |              |            |      |      |      |      |             |            |
| <b>Land/Easements</b>                          |                                 | \$0       |              |            |      |      |      |      |             | \$0        |
| <b>Construction Engineering and Inspection</b> |                                 | \$0       |              |            |      |      |      |      |             | \$0        |
| <b>General Contractor</b>                      |                                 | \$0       |              |            |      |      |      |      |             | \$0        |
| <b>Misc</b>                                    |                                 | \$150,000 |              | \$150,000  |      |      |      |      |             | \$150,000  |
| <b>Total</b>                                   |                                 | \$150,000 | \$0          | \$150,000  | \$0  | \$0  | \$0  | \$0  | \$0         | \$150,000  |
| <b>Funding Source:</b>                         | <b>Capital Improvement Fund</b> | \$ -      | \$ -         | \$ 150,000 | \$ - | \$ - | \$ - | \$ - | \$ -        | \$ 150,000 |
|  | <b>Assessment</b>               | \$ -      | \$ -         | \$ -       | \$ - | \$ - | \$ - | \$ - | \$ -        | \$ -       |
|  | <b>Loan</b>                     | \$ -      | \$ -         | \$ -       | \$ - | \$ - | \$ - | \$ - | \$ -        | \$ -       |
|  | <b>Grant</b>                    | \$ -      | \$ -         | \$ -       | \$ - | \$ - | \$ - | \$ - | \$ -        | \$ -       |

**Positive Aspects of Project:**  
 Replaces existing antiquated system.

**Problems:**

**Notes:**  
 In house development of the RFP in 2017

## 2018 Wastewater Capital Improvement - Project Summary

|                                     |  |          |                             |                        |  |
|-------------------------------------|--|----------|-----------------------------|------------------------|--|
| <b>Project :</b>                    | Concord Lift Station Improvements  | 6402-    | Project Manager:            | <b>Date of Update:</b> | 2-Feb-18   |
| <b>Description:</b>                 | Evaluation and design of the necessary improvements to the Concord lift station. |          |                             |                        | <b>Justification:</b>  |
| <b>Township:</b>                    | Tate   |          |                             |                        | Petition<br>BOH<br>Master Plan<br>XL<br>Capacity <u>Need</u><br>Consent Order<br>Other |
| <b>Annual Effect on Operations:</b> | unknown  | O&M/year | <b>Resolutions:</b>         | <b>Construction:</b>   | <b>Bid Opening:</b>  |
| <b>Easements Procured:</b>          | no   |          | RAGP<br>RADP<br>RON<br>RDTP |                        | <b>Contract Award:</b>   |
| <b>Special Conditions:</b>          |  |          |                             |                        | <b>Contract Execution:</b>   |
|                                     |  |          |                             |                        | <b>Notice to Proceed:</b>  |

### Expenditure Plan

| Task                                       | Vendor | Planned          | Prior Yr CTD | 2018       | 2019            | 2020             | 2021       | 2022       | 2023-Beyond | Total            |
|--|--------|------------------|--------------|------------|-----------------|------------------|------------|------------|-------------|------------------|
| Preliminary Engineering<br>Date Complete:  |        | \$0              |              |            |                 |                  |            |            |             | \$0              |
| Detail Plans<br>Date Complete:             |        | \$20,000         |              |            | \$20,000        |                  |            |            |             | \$20,000         |
| Land/Easements                             |        | \$0              |              |            |                 |                  |            |            |             | \$0              |
| Construction Engineering<br>and Inspection |        | \$0              |              |            |                 |                  |            |            |             | \$0              |
| General Contractor                         |        | \$150,000        |              |            |                 | \$150,000        |            |            |             | \$150,000        |
| Misc                                       |        | \$0              |              |            |                 |                  |            |            |             | \$0              |
| <b>Total</b>                               |        | <b>\$170,000</b> | <b>\$0</b>   | <b>\$0</b> | <b>\$20,000</b> | <b>\$150,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b>  | <b>\$170,000</b> |

  

|                        |                          |    |   |    |   |    |        |    |         |    |   |    |           |    |   |    |         |
|------------------------|--------------------------|----|---|----|---|----|--------|----|---------|----|---|----|-----------|----|---|----|---------|
| <b>Funding Source:</b> | Capital Improvement Fund | \$ | - | \$ | - | \$ | 20,000 | \$ | 150,000 | \$ | - | \$ | (150,000) | \$ | - | \$ | 20,000  |
|                        | Assessment               | \$ | - | \$ | - | \$ | -      | \$ | -       | \$ | - | \$ | 150,000   | \$ | - | \$ | 150,000 |
|                        | Loan                     | \$ | - | \$ | - | \$ | -      | \$ | -       | \$ | - | \$ | -         | \$ | - | \$ | -       |
|                        | Grant                    | \$ | - | \$ | - | \$ | -      | \$ | -       | \$ | - | \$ | -         | \$ | - | \$ | -       |

**Positive Aspects of Project:**

  
  
  

**Problems:**

  
  
  

**Notes:**

## 2018 Wastewater Capital Improvement - Project Summary

|                                     |   |       |                             |                        |  |
|-------------------------------------|---|-------|-----------------------------|------------------------|--|
| <b>Project :</b>                    | Crescent Drive Lift Station Elimination   | 6402- | Project Manager:            | <b>Date of Update:</b> | 2-Feb-18                                   |
| <b>Description:</b>                 | Addition of approximately 900 feet of 8" sanitary sewer to eliminate the Crescent Drive Lift Station. |       |                             | <b>Justificati</b>     | Petition<br>BOH<br>Master Plan<br>XL       |
| <b>Township</b>                     | Pierce  |       |                             | <b>Coordinates:</b>    | Capacity<br>Need<br>Consent Order<br>Other |
| <b>Annual Effect on Operations:</b> | \$ 100 O&M/year   |       |                             | <b>Construction:</b>   | <b>Bid Opening:</b>                        |
| <b>Easements Procured:</b>          | no  |       | RAGP<br>RADP<br>RON<br>RDTP |                        | <b>Contract Award:</b>                     |
| <b>Special Conditions:</b>          |   |       |                             |                        | <b>Contract Execution:</b>                 |
|                                     |   |       |                             |                        | <b>Notice to Proceed:</b>                  |

### Expenditure Plan

| Task                                    | Vendor | Planned          | Prior Yr CTD | 2018       | 2019       | 2020       | 2021             | 2022       | 2023-Beyond | Total            |
|---|--------|------------------|--------------|------------|------------|------------|------------------|------------|-------------|------------------|
| Preliminary Engineering                 |        | \$0              |              |            |            |            |                  |            |             | \$0              |
| <b>Date Complete:</b>                   |        |                  |              |            |            |            |                  |            |             |                  |
| Detail Plans                            |        | \$10,000         |              |            |            |            | \$10,000         |            |             | \$10,000         |
| <b>Date Complete:</b>                   |        |                  |              |            |            |            |                  |            |             |                  |
| Land/Easements                          |        | \$10,000         |              |            |            |            | \$10,000         |            |             | \$10,000         |
| Construction Engineering and Inspection |        | \$0              |              |            |            |            |                  |            |             | \$0              |
| General Contractor                      |        | \$135,000        |              |            |            |            | \$135,000        |            |             | \$135,000        |
| Misc                                    |        | \$0              |              |            |            |            |                  |            |             | \$0              |
| <b>Total</b>                            |        | <b>\$155,000</b> | <b>\$0</b>   | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$155,000</b> | <b>\$0</b> | <b>\$0</b>  | <b>\$155,000</b> |

|                        |                          |    |   |    |   |    |   |    |   |    |         |    |   |    |   |    |         |
|------------------------|--------------------------|----|---|----|---|----|---|----|---|----|---------|----|---|----|---|----|---------|
| <b>Funding Source:</b> | Capital Improvement Fund | \$ | - | \$ | - | \$ | - | \$ | - | \$ | 155,000 | \$ | - | \$ | - | \$ | 155,000 |
|                        | Assessment               | \$ | - | \$ | - | \$ | - | \$ | - | \$ | -       | \$ | - | \$ | - | \$ | -       |
|                        | Loan                     | \$ | - | \$ | - | \$ | - | \$ | - | \$ | -       | \$ | - | \$ | - | \$ | -       |
|                        | Grant                    | \$ | - | \$ | - | \$ | - | \$ | - | \$ | -       | \$ | - | \$ | - | \$ | -       |

**Positive Aspects of Project:**

**Problems: Easements**

**Notes:**

## 2018 Wastewater Capital Improvement - Project Summary

|                                     |   |   |                  |                        |  |
|-------------------------------------|---|---|------------------|------------------------|--|
| <b>Project :</b>                    | Deblin Drive Sewer Replacement  | 6402-   | Project Manager: | <b>Date of Update:</b> | 2-Feb-18   |
| <b>Description:</b>                 | Replacement of approximately 370 feet of existing 8" clay sanitary sewer between manholes 4477 and 4452 along Deblin Drive. |   |                  | <b>Justificati</b>     | Petition<br>BOH<br>Master Plan<br>XL   |
| <b>Township</b>                     | Miami   |   |                  |                        | Capacity<br>Need<br>Consent Order<br>Other                                   |
| <b>Annual Effect on Operations:</b> | \$ - O&M/year   | <b>Resolutions:</b> RAGP<br>RADP<br>RON<br>RDTP |                  |                        | <b>Construction:</b>   |
| <b>Easements Procured:</b>          | No  |   |                  |                        | Bid Opening:<br>Contract Award:<br>Contract Execution:<br>Notice to Proceed: |
| <b>Special Conditions:</b>          |   |   |                  |                        |  |

### Expenditure Plan

| Task                                       | Vendor | Planned          | Prior Yr CTD | 2018             | 2019       | 2020       | 2021       | 2022       | 2023-Beyond | Total            |
|--|--------|------------------|--------------|------------------|------------|------------|------------|------------|-------------|------------------|
| Preliminary Engineering<br>Date Complete:  |        | \$0              |              |                  |            |            |            |            |             | \$0              |
| Detail Plans<br>Date Complete:             |        | \$0              |              |                  |            |            |            |            |             | \$0              |
| Land/Easements                             |        | \$0              |              |                  |            |            |            |            |             | \$0              |
| Construction Engineering<br>and Inspection |        | \$0              |              |                  |            |            |            |            |             | \$0              |
| General Contractor                         |        | \$100,000        |              | \$100,000        |            |            |            |            |             | \$100,000        |
| Misc                                       |        | \$0              |              |                  |            |            |            |            |             | \$0              |
| <b>Total</b>                               |        | <b>\$100,000</b> | <b>\$0</b>   | <b>\$100,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b>  | <b>\$100,000</b> |

|                        |                          |      |      |            |      |      |      |      |      |      |      |            |
|------------------------|--------------------------|------|------|------------|------|------|------|------|------|------|------|------------|
| <b>Funding Source:</b> | Capital Improvement Fund | \$ - | \$ - | \$ 100,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 100,000 |
|                        | Assessment               | \$ - | \$ - | \$ -       | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ -       |
|                        | Loan                     | \$ - | \$ - | \$ -       | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ -       |
|                        | Grant                    | \$ - | \$ - | \$ -       | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ -       |

**Positive Aspects of Project:**

**Problems: Existing trench Box**

**Notes:**

## 2018 Wastewater Capital Improvement - Project Summary

|                                     |   |   |                  |    |   |   |
|-------------------------------------|---|---|------------------|----|---|---|
| <b>Project :</b>                    | Deerfield Road Sewer Petition   | 6402-   | Project Manager: | JG | <b>Date of Update:</b>  | 2-Feb-18  |
| <b>Description:</b>                 | Installation of approximately 1020' feet of 8" sanitary sewer to serve the residents along Deerfield Road starting south of the intersection of Woodville Pike to approximately 1000' north of Mills of Miami Blvd. |   |                  |    | <b>Justification:</b>   | <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">                 Petition<br/>BOH<br/>Master Plan<br/>XL             </div> <div style="text-align: center;">                 Capacity<br/>Need<br/>Consent Order<br/>Other             </div> </div> |
| <b>Township:</b>                    | Goshen and Miami  |   |                  |    | <b>Coordinates:</b>   |   |
| <b>Annual Effect on Operations:</b> | \$ 250 O&M/year   | <b>Resolutions:</b> RAGP<br>RADP<br>RON<br>RDTP |                  |    | <b>Construction:</b> Bid Opening:<br>Contract Award:<br>Contract Execution:<br>Notice to Proceed: |   |
| <b>Easements Procured:</b>          | no  |   |                  |    |   |   |
| <b>Special Conditions:</b>          | Petition  |   |                  |    |   |   |

### Expenditure Plan

| Task   | Vendor                   | Planned          | Prior Yr CTD | 2018            | 2019             | 2020         | 2021       | 2022       | 2023-Beyond | Total            |
|--|--------------------------|------------------|--------------|-----------------|------------------|--------------|------------|------------|-------------|------------------|
| Preliminary Engineering<br><small>Date Complete:</small> |                          | \$0              |              |                 |                  |              |            |            |             | \$0              |
| Detail Plans<br><small>Date Complete:</small>            |                          | \$15,600         |              | \$15,600        |                  |              |            |            |             | \$15,600         |
| Land/Easements   |                          | \$2,500          |              | \$2,500         |                  |              |            |            |             | \$2,500          |
| Construction Engineering<br>and Inspection               |                          | \$177,400        |              |                 | \$177,400        |              |            |            |             | \$177,400        |
| General Contractor                                       |                          | \$15,600         |              |                 | \$15,600         |              |            |            |             | \$15,600         |
| Misc   |                          | \$0              |              |                 |                  |              |            |            |             | \$0              |
| <b>Total</b>   |                          | <b>\$211,100</b> | <b>\$0</b>   | <b>\$18,100</b> | <b>\$193,000</b> | <b>\$0</b>   | <b>\$0</b> | <b>\$0</b> | <b>\$0</b>  | <b>\$211,100</b> |
| <b>Funding Source:</b>                                   | Capital Improvement Fund | \$ -             | \$ -         | \$ 18,100       | \$ 193,000       | \$ (180,000) | \$ -       | \$ -       | \$ -        | \$ 31,100        |
|  | Assessment               | \$ -             | \$ -         | \$ -            | \$ -             | \$ 180,000   | \$ -       | \$ -       | \$ -        | \$ 180,000       |
|  | Loan                     | \$ -             | \$ -         | \$ -            | \$ -             | \$ -         | \$ -       | \$ -       | \$ -        | \$ -             |
|  | Grant                    | \$ -             | \$ -         | \$ -            | \$ -             | \$ -         | \$ -       | \$ -       | \$ -        | \$ -             |

**Positive Aspects of Project:**

  
  

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

  
  

**Notes:**



## 2018 Wastewater Capital Improvement - Project Summary

|                                     |  |          |                             |                        |  |
|-------------------------------------|--|----------|-----------------------------|------------------------|--|
| <b>Project :</b>                    | Environmental Upgrades - WWTP's  | 6402-    | Project Manager:            | <b>Date of Update:</b> | 2-Feb-18                                   |
| <b>Description:</b>                 | Treatment plant upgrades to address new permit limits as a result of the TMDL for East Fork of the Little Miami River (EFLMR). |          |                             | <b>Justificati</b>     | Petition<br>BOH<br>Master Plan<br>XL       |
| <b>Township</b>                     | Countywide   |          |                             | <b>Coordinates:</b>    | Capacity<br>Need<br>Consent Order<br>Other |
| <b>Annual Effect on Operations:</b> | unknown  | O&M/Year | <b>Resolutions:</b>         | <b>Construction:</b>   | <b>Bid Opening:</b>                        |
| <b>Easements Procured:</b>          | N/A  |          | RAGP<br>RADP<br>RON<br>RDTP |                        | <b>Contract Award:</b>                     |
| <b>Special Conditions:</b>          |  |          |                             |                        | <b>Contract Execution:</b>                 |
|                                     |  |          |                             |                        | <b>Notice to Proceed:</b>                  |

### Expenditure Plan

| Task   | Vendor | Planned     | Prior Yr CTD | 2018 | 2019 | 2020 | 2021 | 2022      | 2023-Beyond | Total       |
|--|--------|-------------|--------------|------|------|------|------|-----------|-------------|-------------|
| <b>Preliminary Engineering</b>                 |        | \$0         |              |      |      |      |      |           |             | \$0         |
| <b>Date Complete:</b>                          |        |             |              |      |      |      |      |           |             |             |
| <b>Detail Plans</b>                            |        | \$370,000   |              |      |      |      |      | \$370,000 |             | \$370,000   |
| <b>Date Complete:</b>                          |        |             |              |      |      |      |      |           |             |             |
| <b>Land/Easements</b>                          |        | \$0         |              |      |      |      |      |           |             | \$0         |
| <b>Construction Engineering and Inspection</b> |        | \$0         |              |      |      |      |      |           |             | \$0         |
| <b>General Contractor</b>                      |        | \$3,700,000 |              |      |      |      |      |           | \$3,700,000 | \$3,700,000 |
| <b>Misc</b>                                    |        | \$0         |              |      |      |      |      |           |             | \$0         |
| <b>Total</b>                                   |        | \$4,070,000 | \$0          | \$0  | \$0  | \$0  | \$0  | \$370,000 | \$3,700,000 | \$4,070,000 |

|                        |                                 |    |   |    |   |    |   |    |   |    |         |    |           |    |           |
|------------------------|---------------------------------|----|---|----|---|----|---|----|---|----|---------|----|-----------|----|-----------|
| <b>Funding Source:</b> | <b>Capital Improvement Fund</b> | \$ | - | \$ | - | \$ | - | \$ | - | \$ | 370,000 | \$ | 3,700,000 | \$ | 4,070,000 |
|                        | <b>Assessment</b>               | \$ | - | \$ | - | \$ | - | \$ | - | \$ | -       | \$ | -         | \$ | -         |
|                        | <b>Loan</b>                     | \$ | - | \$ | - | \$ | - | \$ | - | \$ | -       | \$ | -         | \$ | -         |
|                        | <b>Grant</b>                    | \$ | - | \$ | - | \$ | - | \$ | - | \$ | -       | \$ | -         | \$ | -         |

**Positive Aspects of Project:**

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

**Problems:**

**Notes: Anticipated Costs**

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

## 2018 Wastewater Capital Improvement - Project Summary

|                                     |   |          |                             |  |   |
|-------------------------------------|---|----------|-----------------------------|--|---|
| <b>Project :</b>                    | GIS - Sewer Share                                   | 6402-    | Project Manager:            | <b>Date of Update:</b>   | 2-Feb-18  |
| <b>Description:</b>                 | Aerial photography of County for application in GIS |          |                             | <b>Justificati</b>   | Petition<br>BOH<br>Master Plan<br>XL<br>Capacity<br>Need<br>Consent Order<br><u>Other</u> |
| <b>Township</b>                     | Countywide  |          |                             | <b>Coordinates:</b>  |   |
| <b>Annual Effect on Operations:</b> | N/A   | O&M/Year | <b>Resolutions:</b>         | <b>Construction:</b><br><b>Bid Opening:</b><br><b>Contract Award:</b><br><b>Contract Execution:</b><br><b>Notice to Proceed:</b> |   |
| <b>Easements Procured:</b>          | N/A   |          | RAGP<br>RADP<br>RON<br>RDTP |  |   |
| <b>Special Conditions:</b>          |   |          |                             |  |   |

### Expenditure Plan

| Task                                       | Vendor                          | Planned          | Prior Yr CTD    | 2018       | 2019            | 2020       | 2021            | 2022       | 2023-Beyond     | Total            |        |    |         |
|--|---------------------------------|------------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|------------------|--------|----|---------|
| Preliminary Engineering<br>Date Complete:  |                                 | \$0              |                 |            |                 |            |                 |            |                 | \$0              |        |    |         |
| Detail Plans<br>Date Complete:             |                                 | \$0              |                 |            |                 |            |                 |            |                 | \$0              |        |    |         |
| Land/Easements                             |                                 | \$0              |                 |            |                 |            |                 |            |                 | \$0              |        |    |         |
| Construction Engineering<br>and Inspection |                                 | \$0              |                 |            |                 |            |                 |            |                 | \$0              |        |    |         |
| General Contractor                         |                                 | \$0              |                 |            |                 |            |                 |            |                 | \$0              |        |    |         |
| Misc                                       |                                 | \$100,000        | \$25,000        |            | \$25,000        |            | \$25,000        |            | \$25,000        | \$100,000        |        |    |         |
| <b>Total</b>                               |                                 | <b>\$100,000</b> | <b>\$25,000</b> | <b>\$0</b> | <b>\$25,000</b> | <b>\$0</b> | <b>\$25,000</b> | <b>\$0</b> | <b>\$25,000</b> | <b>\$100,000</b> |        |    |         |
| <b>Funding Source:</b>                     | <b>Capital Improvement Fund</b> | \$               | 25,000          | \$         | -               | \$         | 25,000          | \$         | -               | \$               | 25,000 | \$ | 100,000 |
|  | <b>Assessment</b>               | \$               | -               | \$         | -               | \$         | -               | \$         | -               | \$               | -      | \$ | -       |
|  | <b>Loan</b>                     | \$               | -               | \$         | -               | \$         | -               | \$         | -               | \$               | -      | \$ | -       |
|  | <b>Grant</b>                    | \$               | -               | \$         | -               | \$         | -               | \$         | -               | \$               | -      | \$ | -       |

**Positive Aspects of Project:**  
 CCWRD's contribution to the GIS ortho photos

**Problems:**

**Notes:**

## 2018 Wastewater Capital Improvement - Project Summary

|                                     |  |   |                  |                            |  |
|-------------------------------------|--|---|------------------|----------------------------|--|
| <b>Project :</b>                    | Greenbriar Lift Station Improvements   | 6402-   | Project Manager: | <b>Date of Update:</b>     | 2-Feb-18   |
| <b>Description:</b>                 | Evaluation and upgrade to the existing lift station wet well, valve vault, pumps, piping, controls, control panel, valves and addition of a back up power generator. |   |                  | <b>Justification:</b>      | Petition<br>BOH<br>Master Plan<br>XL   |
| <b>Township:</b>                    |  |   |                  | <b>Coordinates:</b>        | Capacity<br>(Need)<br>Consent Order<br>Other                                 |
| <b>Annual Effect on Operations:</b> | \$ - O&M/year  | <b>Resolutions:</b> RAGP<br>RADP<br>RON<br>RDTP |                  | <b>Construction:</b>       | Bid Opening:<br>Contract Award:<br>Contract Execution:<br>Notice to Proceed: |
| <b>Easements Procured:</b>          | no   |   |                  | <b>Special Conditions:</b> |  |

### Expenditure Plan

| Task                                       | Vendor | Planned          | Prior Yr CTD | 2018            | 2019             | 2020       | 2021       | 2022       | 2023-Beyond | Total            |
|--|--------|------------------|--------------|-----------------|------------------|------------|------------|------------|-------------|------------------|
| Preliminary Engineering<br>Date Complete:  |        | \$0              |              |                 |                  |            |            |            |             | \$0              |
| Detail Plans<br>Date Complete:             |        | \$25,000         |              | \$25,000        |                  |            |            |            | \$0         | \$25,000         |
| Land/Easements                             |        | \$0              |              |                 |                  |            |            |            | \$0         | \$0              |
| Construction Engineering<br>and Inspection |        | \$0              |              |                 |                  |            |            |            | \$0         | \$0              |
| General Contractor                         |        | \$300,000        |              |                 | \$300,000        |            |            |            | \$0         | \$300,000        |
| Misc                                       |        | \$0              |              |                 |                  |            |            |            | \$0         | \$0              |
| <b>Total</b>                               |        | <b>\$325,000</b> | <b>\$0</b>   | <b>\$25,000</b> | <b>\$300,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b>  | <b>\$325,000</b> |

|                        |                          |    |   |    |        |    |         |    |   |    |   |    |   |    |   |    |         |
|------------------------|--------------------------|----|---|----|--------|----|---------|----|---|----|---|----|---|----|---|----|---------|
| <b>Funding Source:</b> | Capital Improvement Fund | \$ | - | \$ | 25,000 | \$ | 300,000 | \$ | - | \$ | - | \$ | - | \$ | - | \$ | 325,000 |
|                        | Assessment               | \$ | - | \$ | -      | \$ | -       | \$ | - | \$ | - | \$ | - | \$ | - | \$ | -       |
|                        | Loan                     | \$ | - | \$ | -      | \$ | -       | \$ | - | \$ | - | \$ | - | \$ | - | \$ | -       |
|                        | Grant                    | \$ | - | \$ | -      | \$ | -       | \$ | - | \$ | - | \$ | - | \$ | - | \$ | -       |

**Positive Aspects of Project:**

  
  
  

**Problems:**

  
  
  

**Notes:**

## 2018 Wastewater Capital Improvement - Project Summary

|   |   |
|---|---|
| <b>Project :</b> Hall Run Sewer Replacement & EQ Expansion      6402-60103      Project Manager:  | <b>Date of Update:</b> 2-Feb-18   |
| <b>Description:</b> Construction of approximately 1,500 feet of relief sewers downstream of the Hall Run EQ facility. Relief sewers to be constructed by "piggy backing", parallel installation, direct replacement, or pipe burst. Replacement of approximately 1,730 of sewer south of Fischer Lane and construction of an additional 3 MG equalization tank at the Hall Run EQ site. | <b>Justification:</b> Petition<br>BOH <u>Capacity</u><br><u>Master Plan</u> LEF-P1-08 <u>Need</u><br>XL      Consent Order<br>Other |
| <b>Township:</b> Union  | <b>Coordinates:</b>   |
| <b>Annual Effect on Operations:</b> O&M/Year  | <b>Construction:</b> Bid Opening:<br>Contract Award:<br>Contract Execution:<br>Notice to Proceed:                                   |
| <b>Easements Procured:</b> No   |   |
| <b>Special Conditions:</b> Partial Coord. w/ TID  |   |
| <b>Resolutions:</b> RAGP<br>RADP<br>RON<br>RDTP   |   |

### Expenditure Plan

| Task                                      | Vendor                          | Planned            | Prior Yr CTD    | 2018       | 2019       | 2020       | 2021       | 2022       | 2023-Beyond        | Total              |
|---|---------------------------------|--------------------|-----------------|------------|------------|------------|------------|------------|--------------------|--------------------|
| Preliminary Engineering<br>Date Complete: |                                 | \$0                |                 |            |            |            |            |            |                    | \$0                |
| Detail Plans<br>Date Complete:            | EMH&T<br>\$12,750.00            | \$112,750          | \$12,750        |            |            |            |            |            | \$100,000          | \$112,750          |
| Land/Easements                            |                                 | \$0                |                 |            |            |            |            |            |                    | \$0                |
| Construction Engineering and Inspection   |                                 | \$0                |                 |            |            |            |            |            |                    | \$0                |
| General Contractor                        |                                 | \$2,900,000        |                 |            |            |            |            |            | \$2,900,000        | \$2,900,000        |
| Misc                                      |                                 | \$939              | \$939           |            |            |            |            |            |                    | \$939              |
| <b>Total</b>                              |                                 | <b>\$3,013,689</b> | <b>\$13,689</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$3,000,000</b> | <b>\$3,013,689</b> |
| <b>Funding Source:</b>                    | <b>Capital Improvement Fund</b> | \$ 13,689          | \$ -            | \$ -       | \$ -       | \$ -       | \$ -       | \$ -       | \$ 3,000,000       | \$ 3,013,689       |
|   | <b>Assessment</b>               | \$ -               | \$ -            | \$ -       | \$ -       | \$ -       | \$ -       | \$ -       | \$ -               | \$ -               |
|   | <b>Loan-</b>                    | \$ -               | \$ -            | \$ -       | \$ -       | \$ -       | \$ -       | \$ -       | \$ -               | \$ -               |
|   | <b>Grant-</b>                   | \$ -               | \$ -            | \$ -       | \$ -       | \$ -       | \$ -       | \$ -       | \$ -               | \$ -               |

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

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

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

**Notes:**

## 2018 Wastewater Capital Improvement - Project Summary

|                                     |   |   |                  |   |   |
|-------------------------------------|---|---|------------------|---|---|
| <b>Project :</b>                    | Indianview Lift Station Improvements                            | 6402-   | Project Manager: | <b>Date of Update:</b>  | 2-Feb-18  |
| <b>Description:</b>                 | Replacement/relocation of existing lift station and force main. |   |                  | <b>Justification:</b>   | Petition<br>BOH<br>Master Plan<br>XL<br>Capacity Need<br>Consent Order<br>Other |
| <b>Township</b>                     | Miami   |   |                  | <b>Coordinates:</b>   |   |
| <b>Annual Effect on Operations:</b> | \$ - O&M/year   | <b>Resolutions:</b> RAGP<br>RADP<br>RON<br>RDTP |                  | <b>Construction:</b> Bid Opening:<br>Contract Award:<br>Contract Execution:<br>Notice to Proceed: |   |
| <b>Easements Procured:</b>          | No  |   |                  |   |   |
| <b>Special Conditions:</b>          |   |   |                  |   |   |

### Expenditure Plan

| Task                                    | Vendor                          | Planned          | Prior Yr CTD    | 2018            | 2019            | 2020             | 2021       | 2022       | 2023-Beyond | Total            |   |    |         |
|---|---------------------------------|------------------|-----------------|-----------------|-----------------|------------------|------------|------------|-------------|------------------|---|----|---------|
| Preliminary Engineering                 |                                 | \$0              | \$0             |                 |                 |                  |            |            |             | \$0              |   |    |         |
| Date Complete:                          |                                 |                  |                 |                 |                 |                  |            |            |             |                  |   |    |         |
| Detail Plans                            |                                 | \$64,240         | \$39,240        | \$25,000        |                 |                  |            |            |             | \$64,240         |   |    |         |
| Date Complete:                          |                                 |                  |                 |                 |                 |                  |            |            |             |                  |   |    |         |
| Land/Easements                          |                                 | \$10,000         |                 |                 | \$10,000        |                  |            |            |             | \$10,000         |   |    |         |
| Construction Engineering and Inspection |                                 | \$0              | \$0             |                 |                 |                  |            |            |             | \$0              |   |    |         |
| General Contractor                      |                                 | \$350,000        | \$0             |                 |                 | \$350,000        |            |            |             | \$350,000        |   |    |         |
| Misc                                    |                                 | \$0              | \$0             |                 |                 |                  |            |            |             | \$0              |   |    |         |
| <b>Total</b>                            |                                 | <b>\$424,240</b> | <b>\$39,240</b> | <b>\$25,000</b> | <b>\$10,000</b> | <b>\$350,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b>  | <b>\$424,240</b> |   |    |         |
| <b>Funding Source:</b>                  | <b>Capital Improvement Fund</b> | \$               | 39,240          | \$              | 25,000          | \$               | 10,000     | \$         | -           | \$               | - | \$ | 424,240 |
|   | <b>Assessment</b>               | \$               | -               | \$              | -               | \$               | -          | \$         | -           | \$               | - | \$ | -       |
|   | <b>Loan</b>                     | \$               | -               | \$              | -               | \$               | -          | \$         | -           | \$               | - | \$ | -       |
|   | <b>Grant</b>                    | \$               | -               | \$              | -               | \$               | -          | \$         | -           | \$               | - | \$ | -       |

**Positive Aspects of Project:**  
 Replaces aged liftstation

**Problems:**  
 Alignment, easements

**Notes:**  
 Formerly Project No. 651-0857  
 Obtain easements along an alignment before formal design states.

## 2018 Wastewater Capital Improvement - Project Summary

|                                     |  |   |                  |   |  |
|-------------------------------------|--|---|------------------|---|--|
| <b>Project :</b>                    | Lewis Road Trunk Sewer   | 6402-   | Project Manager: | <b>Date of Update:</b>  | 2-Feb-18   |
| <b>Description:</b>                 | 5,500 feet of 12" trunk sewer along Lewis Road from the Belle Meade LS southwest to the new Lewis Road LS including a 500' bore under I-275. |   |                  | <b>Justification:</b>   | Petition<br>BOH<br>Master Plan<br>XL<br>LHR P2-T2<br>Capacity Need<br>Consent Order<br>Other |
| <b>Township</b>                     | Miami  |   |                  | <b>Coordinates:</b>   |  |
| <b>Annual Effect on Operations:</b> | \$ 1,000 O&M/year  | <b>Resolutions:</b> RAGP<br>RADP<br>RON<br>RDTP |                  | <b>Construction:</b> Bid Opening:<br>Contract Award:<br>Contract Execution:<br>Notice to Proceed: |  |
| <b>Easements Procured:</b>          | No   |   |                  |   |  |
| <b>Special Conditions:</b>          |  |   |                  |   |  |

### Expenditure Plan

| Task   | Vendor                          | Planned     | Prior Yr CTD | 2018      | 2019       | 2020 | 2021 | 2022 | 2023-Beyond | Total        |
|--|---------------------------------|-------------|--------------|-----------|------------|------|------|------|-------------|--------------|
| <b>Preliminary Engineering</b>                 |                                 | \$0         |              |           |            |      |      |      |             | \$0          |
| <b>Date Complete:</b>                          |                                 |             |              |           |            |      |      |      |             |              |
| <b>Detail Plans</b>                            |                                 | \$75,000    |              | \$75,000  |            |      |      |      |             | \$75,000     |
| <b>Date Complete:</b>                          |                                 |             |              |           |            |      |      |      |             |              |
| <b>Land/Easements</b>                          |                                 | \$15,000    |              | \$15,000  |            |      |      |      |             | \$15,000     |
| <b>Construction Engineering and Inspection</b> |                                 | \$0         |              |           |            |      |      |      |             | \$0          |
| <b>General Contractor</b>                      |                                 | \$950,000   |              |           | \$950,000  |      |      |      |             | \$950,000    |
| <b>Misc</b>                                    |                                 | \$0         |              |           |            |      |      |      |             | \$0          |
| <b>Total</b>                                   |                                 | \$1,040,000 | \$0          | \$90,000  | \$950,000  | \$0  | \$0  | \$0  | \$0         | \$1,040,000  |
| <b>Funding Source:</b>                         | <b>Capital Improvement Fund</b> | \$ -        | \$ -         | \$ 90,000 | \$ 950,000 | \$ - | \$ - | \$ - | \$ -        | \$ 1,040,000 |
|  | <b>Assessment</b>               | \$ -        | \$ -         | \$ -      | \$ -       | \$ - | \$ - | \$ - | \$ -        | \$ -         |
|  | <b>Loan</b>                     | \$ -        | \$ -         | \$ -      | \$ -       | \$ - | \$ - | \$ - | \$ -        | \$ -         |
|  | <b>Grant</b>                    | \$ -        | \$ -         | \$ -      | \$ -       | \$ - | \$ - | \$ - | \$ -        | \$ -         |

**Positive Aspects of Project:**

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

**Problems:**

**Notes:**

## 2018 Wastewater Capital Improvement - Project Summary

|                                     |  |          |   |   |   |
|-------------------------------------|--|----------|---|---|---|
| <b>Project :</b>                    | Liftstation Generators   | 6402-    | Project Manager:                                | <b>Date of Update:</b>  | 2-Feb-18  |
| <b>Description:</b>                 | Provides backup generators for use in power outages and other lift station upgrades and modifications. |          |   | <b>Justification:</b>   | Petition<br>BOH<br>Master Plan<br>XL<br><span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Capacity Need</span><br>Consent Order<br>Other |
| <b>Township</b>                     | Countywide   |          |   | <b>Coordinates:</b>   |   |
| <b>Annual Effect on Operations:</b> | Varies   | O&M/year | <b>Resolutions:</b> RAGP<br>RADP<br>RON<br>RDTP | <b>Construction:</b> Bid Opening:<br>Contract Award:<br>Contract Execution:<br>Notice to Proceed: |   |
| <b>Easements Procured:</b>          | NA   |          |   |   |   |
| <b>Special Conditions:</b>          |  |          |   |   |   |

### Expenditure Plan

| Task                                      | Vendor                          | Planned          | Prior Yr CTD | 2018       | 2019             | 2020             | 2021             | 2022       | 2023-Beyond | Total            |
|---|---------------------------------|------------------|--------------|------------|------------------|------------------|------------------|------------|-------------|------------------|
| Preliminary Engineering<br>Date Complete: |                                 | \$0              |              |            |                  |                  |                  |            |             | \$0              |
| Detail Plans<br>Date Complete:            |                                 | \$0              |              |            |                  |                  |                  |            |             | \$0              |
| Land/Easements                            |                                 | \$0              |              |            |                  |                  |                  |            |             | \$0              |
| Construction Engineering and Inspection   |                                 | \$0              |              |            |                  |                  |                  |            |             | \$0              |
| General Contractor                        |                                 | \$300,000        |              |            | \$100,000        | \$100,000        | \$100,000        |            |             | \$300,000        |
| Misc                                      |                                 | \$0              |              |            |                  |                  |                  |            |             | \$0              |
| <b>Total</b>                              |                                 | <b>\$300,000</b> | <b>\$0</b>   | <b>\$0</b> | <b>\$100,000</b> | <b>\$100,000</b> | <b>\$100,000</b> | <b>\$0</b> | <b>\$0</b>  | <b>\$300,000</b> |
| <b>Funding Source:</b>                    | <b>Capital Improvement Fund</b> | \$ -             | \$ -         | \$ -       | \$ 100,000       | \$ 100,000       | \$ 100,000       | \$ -       | \$ -        | \$ 300,000       |
|   | <b>Assessment</b>               | \$ -             | \$ -         | \$ -       | \$ -             | \$ -             | \$ -             | \$ -       | \$ -        | \$ -             |
|   | <b>Loan</b>                     | \$ -             | \$ -         | \$ -       | \$ -             | \$ -             | \$ -             | \$ -       | \$ -        | \$ -             |
|   | <b>Grant</b>                    | \$ -             | \$ -         | \$ -       | \$ -             | \$ -             | \$ -             | \$ -       | \$ -        | \$ -             |

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

**Problems:**

**Notes:**

## 2018 Wastewater Capital Improvement - Project Summary

|                                     |   |            |                  |                        |   |
|-------------------------------------|---|------------|------------------|------------------------|---|
| <b>Project :</b>                    | LIMS/WIMS Upgrades  | 6402-60143 | Project Manager: | <b>Date of Update:</b> | 2-Feb-18  |
| <b>Description:</b>                 | Upgrade of the Laboratory and Water Information Management System (LIMS/WIMS) Software. |            |                  |                        | <b>Justificati</b> Petition<br>BOH<br>Master Plan<br>XL<br>Capacity<br>Need<br>Consent Order<br>Other |
| <b>Township</b>                     | Countywide  |            |                  |                        | <b>Coordinates:</b>   |
| <b>Annual Effect on Operations:</b> | \$  | -          | O&M/yr           | <b>Resolutions:</b>    | <b>Construction:</b> Bid Opening:<br>Contract Award:<br>Contract Execution:<br>Notice to Proceed:     |
| <b>Easements Procured:</b>          | na  |            |                  |                        | RAGP<br>RADP<br>RON<br>RDTP   |
| <b>Special Conditions:</b>          |   |            |                  |                        |   |

### Expenditure Plan

| Task   | Vendor                          | Planned  | Prior Yr CTD | 2018      | 2019 | 2020 | 2021 | 2022 | 2023-Beyond | Total    |           |
|--|---------------------------------|----------|--------------|-----------|------|------|------|------|-------------|----------|-----------|
| <b>Preliminary Engineering</b>                 |                                 |          |              |           |      |      |      |      |             | \$0      |           |
| Date Complete:                                 |                                 |          |              |           |      |      |      |      |             |          |           |
| <b>Detail Plans</b>                            |                                 |          |              |           |      |      |      |      |             | \$0      |           |
| Date Complete:                                 |                                 |          |              |           |      |      |      |      |             |          |           |
| <b>Land/Easements</b>                          |                                 |          |              |           |      |      |      |      |             | \$0      |           |
| <b>Construction Engineering and Inspection</b> |                                 |          |              |           |      |      |      |      |             | \$0      |           |
| <b>General Contractor</b>                      |                                 |          |              |           |      |      |      |      |             | \$0      |           |
| <b>Misc</b>                                    |                                 | \$66,000 |              | \$66,000  |      |      |      |      |             | \$66,000 |           |
| <b>Total</b>                                   |                                 | \$66,000 | \$0          | \$66,000  | \$0  | \$0  | \$0  | \$0  | \$0         | \$66,000 |           |
| <b>Funding Source:</b>                         | <b>Capital Improvement Fund</b> | \$       | -            | \$ 66,000 | \$   | -    | \$   | -    | \$          | -        | \$ 66,000 |
|  | Assessment                      | \$       | -            | \$        | -    | \$   | -    | \$   | -           | \$       | -         |
|  | Loan                            | \$       | -            | \$        | -    | \$   | -    | \$   | -           | \$       | -         |
|  | Grant - OPWC                    | \$       | -            | \$        | -    | \$   | -    | \$   | -           | \$       | -         |

**Positive Aspects of Project:**

  
  
  

**Problems:**

  
  
  

**Notes:**  
WIMS - \$43,620



## 2018 Wastewater Capital Improvement - Project Summary

|                                     |  |   |                     |   |
|-------------------------------------|--|---|---------------------|---|
| <b>Project :</b>                    | Locust Lake Lift Station and Conveyance Improvements   | 6402-60141                                      | Project Manager: AK | <b>Date of Update:</b> 2-Feb-18   |
| <b>Description:</b>                 | Addition of approximately 7,100' of 8" force main from the Locust Lake Lift Station to the intersection of Chapel Road and Burnham Woods Dr to improve the pumping capacity at the lift station and limit the number of by passes. Includes lift station piping modifications & controls and the installation of a diesel generator. |   |                     | <b>Justification:</b> Petition <span style="float: right;">Capacity</span><br>BOH <span style="float: right;">Need</span><br>Master Plan MEF P1-03 & Consent Order<br>MEF P2-20 Other |
| <b>Township</b>                     | Batavia  | <b>Coordinates:</b>                             |                     |   |
| <b>Annual Effect on Operations:</b> | \$ 1,000 O&M/year  | <b>Resolutions:</b> RAGP<br>RADP<br>RON<br>RDTP |                     | <b>Construction:</b> Bid Opening:<br>Contract Award:<br>Contract Execution:<br>Notice to Proceed:   |
| <b>Easements Procured:</b>          | no   |   |                     |   |
| <b>Special Conditions:</b>          |  |   |                     |   |

### Expenditure Plan

| Task                                    | Vendor                          | Planned            | Prior Yr CTD    | 2018             | 2019             | 2020       | 2021       | 2022       | 2023-Beyond | Total              |
|---|---------------------------------|--------------------|-----------------|------------------|------------------|------------|------------|------------|-------------|--------------------|
| Preliminary Engineering                 |                                 | \$0                |                 |                  |                  |            |            |            |             | \$0                |
| <b>Date Complete:</b>                   |                                 |                    |                 |                  |                  |            |            |            |             |                    |
| Detail Plans                            |                                 | \$99,080           | \$90,210        | \$8,870          |                  |            |            |            |             | \$99,080           |
| <b>Date Complete:</b>                   | Geo-Tech                        | \$16,830           |                 | \$16,830         |                  |            |            |            |             | \$16,830           |
| Land/Easements                          | Easement                        | \$1,675            |                 | \$1,675          |                  |            |            |            |             | \$1,675            |
|   | Survey                          | \$1,700            |                 | \$1,700          |                  |            |            |            |             | \$1,700            |
| Construction Engineering and Inspection |                                 | \$0                |                 |                  |                  |            |            |            |             | \$0                |
| General Contractor                      |                                 | \$1,232,193        |                 | \$700,000        | \$532,193        |            |            |            |             | \$1,232,193        |
| Misc                                    |                                 | \$5,000            |                 | \$5,000          |                  |            |            |            |             | \$5,000            |
|   | Permitting                      | \$8,111            |                 | \$8,111          |                  |            |            |            |             | \$8,111            |
| <b>Total</b>                            |                                 | <b>\$1,364,589</b> | <b>\$90,210</b> | <b>\$742,186</b> | <b>\$532,193</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b>  | <b>\$1,364,589</b> |
| <b>Funding Source:</b>                  | <b>Capital Improvement Fund</b> | \$ 90,210          | \$ 742,186      | \$ 532,193       | \$ -             | \$ -       | \$ -       | \$ -       | \$ -        | \$ 1,364,589       |
|   | Assessment                      | \$ -               | \$ -            | \$ -             | \$ -             | \$ -       | \$ -       | \$ -       | \$ -        | \$ -               |
|   | Loan                            | \$ -               | \$ -            | \$ -             | \$ -             | \$ -       | \$ -       | \$ -       | \$ -        | \$ -               |
|   | Grant                           | \$ -               | \$ -            | \$ -             | \$ -             | \$ -       | \$ -       | \$ -       | \$ -        | \$ -               |

**Positive Aspects of Project:**  
 Improves capacity and adds redundancy

**Problems:**  
 Easements, traffic, and bore under SR 125.

**Notes:**  
 Lining of 10" sanitary sewer will be included in the next rehab project.

## 2018 Wastewater Capital Improvement - Project Summary

|                                     |  |   |                  |  |   |
|-------------------------------------|--|---|------------------|--|---|
| <b>Project :</b>                    | Lower East Fork WWTP Expansion   | 6402-   | Project Manager: |  | <b>Date of Update:</b> 2-Feb-18   |
| <b>Description:</b>                 | Expansion of the Lower East Fork Wastewater Treatment Plant from 9 MGD to 14 MGD. Includes a 3rd Oxidation Ditch, Additional Clarifier, filters, and influent pumping. May also include fine screening at headworks or additional screening d/s of final clarifier splitter box. |   |                  |  | <b>Justification:</b> Petition<br>BOH<br>Master Plan<br>XL  |
| <b>Township</b>                     | Miami  |   |                  |  | <b>Coordinates:</b>   |
| <b>Annual Effect on Operations:</b> | \$ - O&M/year  | <b>Resolutions:</b> RAGP<br>RADP<br>RON<br>RDTP |                  |  | <b>Construction:</b> <b>Bid Opening:</b><br><b>Contract Award:</b><br><b>Contract Execution:</b><br><b>Notice to Proceed:</b> |
| <b>Easements Procured:</b>          | N/A  |   |                  |  |   |
| <b>Special Conditions:</b>          |  |   |                  |  |   |

### Expenditure Plan

| Task                                    | Vendor                          | Planned             | Prior Yr CTD | 2018       | 2019       | 2020       | 2021       | 2022       | 2023-Beyond         | Total               |
|---|---------------------------------|---------------------|--------------|------------|------------|------------|------------|------------|---------------------|---------------------|
| Preliminary Engineering                 |                                 | \$0                 |              |            |            |            |            |            |                     | \$0                 |
| Date Complete:                          |                                 |                     |              |            |            |            |            |            |                     |                     |
| Detail Plans                            |                                 | \$650,000           |              |            |            |            |            |            | \$650,000           | \$650,000           |
| Date Complete:                          |                                 |                     |              |            |            |            |            |            |                     |                     |
| Land/Easements                          |                                 | \$0                 |              |            |            |            |            |            |                     | \$0                 |
| Construction Engineering and Inspection |                                 | \$500,000           |              |            |            |            |            |            | \$500,000           | \$500,000           |
| General Contractor                      |                                 | \$13,000,000        |              |            |            |            |            |            | \$13,000,000        | \$13,000,000        |
| Misc                                    |                                 | \$0                 |              |            |            |            |            |            |                     | \$0                 |
| <b>Total</b>                            |                                 | <b>\$14,150,000</b> | <b>\$0</b>   | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$14,150,000</b> | <b>\$14,150,000</b> |
| <b>Funding Source:</b>                  | <b>Capital Improvement Fund</b> | \$ -                | \$ -         | \$ -       | \$ -       | \$ -       | \$ -       | \$ -       | \$ 14,150,000       | \$ 14,150,000       |
|   | <b>Assessment</b>               | \$ -                | \$ -         | \$ -       | \$ -       | \$ -       | \$ -       | \$ -       | \$ -                | \$ -                |
|   | <b>Loan</b>                     | \$ -                | \$ -         | \$ -       | \$ -       | \$ -       | \$ -       | \$ -       | \$ -                | \$ -                |
|   | <b>Grant</b>                    | \$ -                | \$ -         | \$ -       | \$ -       | \$ -       | \$ -       | \$ -       | \$ -                | \$ -                |

**Positive Aspects of Project:**  
 Provides additional capacity for future development

**Problems:**

**Notes:**

## 2018 Wastewater Capital Improvement - Project Summary

|  |   |   |
|--|---|---|
| <b>Project :</b> Miamiville Proper Sewer Assessment 6402- Project Manager:   |   | <b>Date of Update:</b> 2-Feb-18   |
| <b>Description:</b><br>Installation of a wastewater collection system to serve the residents of Miamiville and vicinity. |   | <b>Justification:</b> Petition BOH 13 Capacity Need<br>Master Plan LVHR-7 Consent Order<br>XL Other |
| <b>Township:</b> Miami   |   | <b>Coordinates:</b>   |
| <b>Annual Effect on Operations:</b> \$ 2,000 O&M/year  | <b>Resolutions:</b> RAGP<br>RADP<br>RON<br>RDTP | <b>Construction:</b> Bid Opening:<br>Contract Award:<br>Contract Execution:<br>Notice to Proceed:   |
| <b>Easements Procured:</b> no  |   |   |
| <b>Special Conditions:</b>   |   |   |

### Expenditure Plan

| Task                                      | Vendor                   | Planned            | Prior Yr CTD | 2018       | 2019       | 2020       | 2021       | 2022       | 2023-Beyond        | Total              |
|---|--------------------------|--------------------|--------------|------------|------------|------------|------------|------------|--------------------|--------------------|
| Preliminary Engineering<br>Date Complete: |                          | \$0                |              |            |            |            |            |            |                    | \$0                |
| Detail Plans<br>Date Complete:            |                          | \$125,000          |              |            |            |            |            |            | \$125,000          | \$125,000          |
| Land/Easements                            |                          | \$45,000           |              |            |            |            |            |            | \$45,000           | \$45,000           |
| Construction Engineering and Inspection   |                          | \$0                |              |            |            |            |            |            | \$0                | \$0                |
| General Contractor                        |                          | \$1,575,000        |              |            |            |            |            |            | \$1,575,000        | \$1,575,000        |
| Misc                                      |                          | \$100,000          |              |            |            |            |            |            | \$100,000          | \$100,000          |
| <b>Total</b>                              |                          | <b>\$1,845,000</b> | <b>\$0</b>   | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$1,845,000</b> | <b>\$1,845,000</b> |
| <b>Funding Source:</b>                    | Capital Improvement Fund | \$ -               | \$ -         | \$ -       | \$ -       | \$ -       | \$ -       | \$ -       | \$ 170,000         | \$ 170,000         |
|   | Assessment               | \$ -               | \$ -         | \$ -       | \$ -       | \$ -       | \$ -       | \$ -       | \$ 1,675,000       | \$ 1,675,000       |
|   | Loan                     | \$ -               | \$ -         | \$ -       | \$ -       | \$ -       | \$ -       | \$ -       | \$ -               | \$ -               |
|   | Grant                    | \$ -               | \$ -         | \$ -       | \$ -       | \$ -       | \$ -       | \$ -       | \$ -               | \$ -               |

**Positive Aspects of Project:**  
Provide sewer service for properties with on-site septic systems as identified in WWMPU and by the BOH.

**Problems:**

**Notes:**

## 2018 Wastewater Capital Improvement - Project Summary

|   |   |
|---|---|
| <b>Project :</b> Mound Street & Spring Street Sewer Petition      6402-60003      Project Manager: CR       | <b>Date of Update:</b> 2-Feb-18   |
| <b>Description:</b> Installation of approximately 4,440 feet of 8" sewer main along Mound & Spring Streets. | <b>Justification:</b> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Petition</span> Capacity<br>BOH      Need<br>Master Plan      Consent Order<br>XL      Other |
| <b>Township:</b> Tate   | <b>Coordinates:</b>   |
| <b>Annual Effect on Operations:</b> \$ 550 O&M/year   | <b>Resolutions:</b> RAGP<br>RADP<br>RON<br>RDTP   |
| <b>Easements Procured:</b> No   |   |
| <b>Special Conditions:</b>  |   |
| <b>Construction:</b> Bid Opening:<br>Contract Award:<br>Contract Execution:<br>Notice to Proceed:           |   |

### Expenditure Plan

| Task                                       | Vendor   | Planned            | Prior Yr CTD    | 2018       | 2019       | 2020       | 2021       | 2022       | 2023-Beyond      | Total              |
|--|----------|--------------------|-----------------|------------|------------|------------|------------|------------|------------------|--------------------|
| Preliminary Engineering<br>Date Complete:  | Woolpert | \$6,500            | \$6,500         |            |            |            |            |            |                  | \$6,500            |
| Detail Plans<br>Date Complete:             | Woolpert | \$58,190           | \$58,190        |            |            |            |            |            |                  | \$58,190           |
| Land/Easements                             |          | \$5,500            |                 |            |            |            |            |            | \$5,500          | \$5,500            |
| Construction Engineering<br>and Inspection |          | \$0                |                 |            |            |            |            |            |                  | \$0                |
| General Contractor                         |          | \$900,000          |                 |            |            |            |            |            | \$900,000        | \$900,000          |
| Misc                                       |          | \$82,800           | \$3,700         |            |            |            |            |            | \$79,100         | \$82,800           |
| <b>Total</b>                               |          | <b>\$1,052,990</b> | <b>\$68,390</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$984,600</b> | <b>\$1,052,990</b> |

|                        |                          |           |      |      |      |      |      |      |      |            |            |
|------------------------|--------------------------|-----------|------|------|------|------|------|------|------|------------|------------|
| <b>Funding Source:</b> | Capital Improvement Fund | \$ 68,390 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 25,000  | \$ 93,390  |
|                        | Assessment               | \$ -      | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 959,600 | \$ 959,600 |
|                        | Loan                     | \$ -      | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ -       | \$ -       |
|                        | Grant                    | \$ -      | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ -       | \$ -       |

**Positive Aspects of Project:**  
Eliminates aged on-site septic systems and addresses a petition by property owners

**Problems:**

**Notes:**

## 2018 Wastewater Capital Improvement - Project Summary

|  |  |
|--|--|
| <b>Project :</b> Newtonsville Collection System Assessment      6402-60116      Project Manager: CR  | <b>Date of Update:</b> 2-Feb-18  |
| <b>Description:</b> Collection system for the Village of Newtonsville and Surrounding/Adjacent Area. | <b>Justification:</b> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Petition</span> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">BOH</span> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Master Plan</span> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">XL</span> 11 <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Capacity Need</span> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Consent Order</span> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Other</span> |
| <b>Township:</b> Wayne   | <b>Coordinates:</b>  |
| <b>Annual Effect on Operations:</b> \$ 2,500 O&M/Year  | <b>Construction:</b> Bid Opening:<br>Contract Award:<br>Contract Execution:<br>Notice to Proceed:  |
| <b>Easements Procured:</b> No  |  |
| <b>Special Conditions:</b>   |  |
| <b>Resolutions:</b> RAGP<br>RADP<br>RON<br>RDTP  |  |

### Expenditure Plan

| Task   | Vendor                | Planned     | Prior Yr CTD | 2018      | 2019      | 2020        | 2021      | 2022 | 2023-Beyond | Total       |
|--|-----------------------|-------------|--------------|-----------|-----------|-------------|-----------|------|-------------|-------------|
| <b>Preliminary Engineering</b>                 | Santoro               | \$47,190    | \$47,190     |           |           |             |           |      |             | \$47,190    |
| <b>Date Complete:</b>                          | CH2M Hill (\$162,000) | \$155,800   | \$155,800    |           |           |             |           |      |             | \$155,800   |
| <b>Detail Plans</b>                            |                       | \$445,960   | \$312,200    | \$133,760 |           |             |           |      |             | \$445,960   |
| <b>Date Complete:</b>                          |                       |             |              |           |           |             |           |      |             |             |
| <b>Land/Easements</b>                          |                       | \$252,000   |              | \$100,000 | \$152,000 |             |           |      |             | \$252,000   |
| <b>Construction Engineering and Inspection</b> |                       |             |              |           |           |             |           |      |             | \$0         |
| <b>General Contractor</b>                      |                       | \$3,245,000 |              |           |           | \$2,745,000 | \$500,000 |      |             | \$3,245,000 |
| <b>Misc</b>                                    |                       | \$1,430     | \$1,430      |           |           |             |           |      |             | \$1,430     |
| <b>OPWC &amp; USDA/RD Admin.</b>               |                       | \$10,000    |              |           | \$5,000   | \$5,000     |           |      |             | \$10,000    |
| <b>Total</b>                                   |                       | \$4,157,380 | \$516,620    | \$233,760 | \$157,000 | \$2,750,000 | \$500,000 | \$0  | \$0         | \$4,157,380 |

|                        |                                   |    |         |    |         |    |         |    |           |    |             |    |   |    |   |    |           |
|------------------------|-----------------------------------|----|---------|----|---------|----|---------|----|-----------|----|-------------|----|---|----|---|----|-----------|
| <b>Funding Source:</b> | <b>Capital Improvement Fund</b>   | \$ | 516,620 | \$ | 233,760 | \$ | 157,000 | \$ | 2,750,000 | \$ | (3,109,000) | \$ | - | \$ | - | \$ | 548,380   |
|                        | <b>Assessment</b>                 | \$ | -       | \$ | -       | \$ | -       | \$ | -         | \$ | -           | \$ | - | \$ | - | \$ | -         |
|                        | <b>Loan</b>                       | \$ | -       | \$ | -       | \$ | -       | \$ | 2,109,000 | \$ | -           | \$ | - | \$ | - | \$ | 2,109,000 |
|                        | <b>Grant - USDA/RD &amp; OPWC</b> | \$ | -       | \$ | -       | \$ | -       | \$ | 1,500,000 | \$ | -           | \$ | - | \$ | - | \$ | 1,500,000 |

**Positive Aspects of Project:**

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

**Problems:**

**Notes:**

Combined project received USDA Grant of \$2M & loan of \$4.218M at 2.25%. Combined project has been submitted to OPWC for \$1M Grant.

## 2018 Wastewater Capital Improvement - Project Summary

**Project:** Newtonsville WWTP      6402-60117      Project Manager: CR

**Date of Update:** 2-Feb-18

**Description:** Waste Water Treatment Plant for the Village of Newtonsville and Surrounding/Adjacent Area.

**Justification:** Petition BOH 11 Capacity Need  
 Master Plan SLC-P1-T1 Consent Order  
 XL Other

**Township:** Wayne

**Coordinates:**

**Annual Effect on Operations:** \$ 35,000 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 | 2018      | 2019         | 2020           | 2021      | 2022 | 2023-Beyond | Total        |
|--|-----------------------------------|-------------|--------------|-----------|--------------|----------------|-----------|------|-------------|--------------|
| <b>Preliminary Engineering</b>                 | Santoro                           | \$43,860    | \$43,860     |           |              |                |           |      |             | \$43,860     |
| <b>Date Complete:</b>                          | CH2M Hill (\$105,000)             | \$104,300   | \$104,300    |           |              |                |           |      |             | \$104,300    |
| <b>Detail Plans</b>                            |                                   | \$322,110   | \$188,350    | \$133,760 |              |                |           |      |             | \$322,110    |
| <b>Date Complete:</b>                          |                                   |             |              |           |              |                |           |      |             |              |
| <b>Land/Easements</b>                          |                                   | \$20,000    |              |           | \$20,000     |                |           |      |             | \$20,000     |
| <b>Construction Engineering and Inspection</b> |                                   | \$392,000   |              |           |              | \$300,000      | \$92,000  |      |             | \$392,000    |
| <b>General Contractor</b>                      |                                   | \$3,325,100 |              |           |              | \$2,500,000    | \$825,100 |      |             | \$3,325,100  |
| <b>Misc</b>                                    |                                   | \$1,230     | \$230        |           |              | \$1,000        |           |      |             | \$1,230      |
| <b>OPWC &amp; USDA/RD Admin.</b>               |                                   | \$10,000    |              |           |              | \$10,000       |           |      |             | \$10,000     |
|  |                                   | \$4,218,600 | \$336,740    | \$133,760 | \$20,000     | \$2,811,000    | \$917,100 | \$0  | \$0         | \$4,218,600  |
| <b>Funding Source:</b>                         | <b>Capital Improvement Fund</b>   | \$ 336,740  | \$ 133,760   | \$ 20,000 | \$ 2,811,000 | \$ (2,691,900) | \$ -      | \$ - | \$ -        | \$ 609,600   |
|  | <b>Assessment</b>                 | \$ -        | \$ -         | \$ -      | \$ -         | \$ -           | \$ -      | \$ - | \$ -        | \$ -         |
|  | <b>Loan</b>                       | \$ -        | \$ -         | \$ -      | \$ -         | \$ 2,109,000   | \$ -      | \$ - | \$ -        | \$ 2,109,000 |
|  | <b>Grant - USDA/RD &amp; OPWC</b> | \$ -        | \$ -         | \$ -      | \$ -         | \$ 1,500,000   | \$ -      | \$ - | \$ -        | \$ 1,500,000 |

**Positive Aspects of Project:**

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

**Problems:**

Possible difficulty in acquiring land and NPDES Permit

**Notes:**

Combined project received USDA Grant of \$2M & loan of \$4.218M at 2.25%.  
 Combined project has been submitted to OPWC for \$1M Grant.

## 2018 Wastewater Capital Improvement - Project Summary

|                                     |  |   |                     |   |  |
|-------------------------------------|--|---|---------------------|---|--|
| <b>Project :</b>                    | Nine Mile Collection Improvements                                      | 6402-60148                                      | Project Manager: JG | <b>Date of Update:</b>  | 2-Feb-18   |
| <b>Description:</b>                 | Nine Mile collection system evaluation and I&I correction improvements |   |                     |   | <b>Justification:</b> <div style="display: flex; justify-content: space-around; font-size: small;"> <span>Petition<br/>BOH</span> <span>Master Plan<br/>XL</span> <span>NML P1-01</span> <span>Capacity<br/>Need<br/>Consent Order<br/>Other</span> </div> |
| <b>Township:</b>                    | Pierce   |   |                     |   | <b>Coordinates:</b>  |
| <b>Annual Effect on Operations:</b> | \$ 1,000 O&M/year  | <b>Resolutions:</b> RAGP<br>RADP<br>RON<br>RDTP |                     | <b>Construction:</b> Bid Opening:<br>Contract Award:<br>Contract Execution:<br>Notice to Proceed: |  |
| <b>Easements Procured:</b>          | no   |   |                     |   |  |
| <b>Special Conditions:</b>          |  |   |                     |   |  |

### Expenditure Plan

| Task   | Vendor                          | Planned     | Prior Yr CTD | 2018      | 2019         | 2020        | 2021 | 2022 | 2023-Beyond | Total        |
|--|---------------------------------|-------------|--------------|-----------|--------------|-------------|------|------|-------------|--------------|
| <b>Preliminary Engineering</b>                 |                                 | \$61,400    | \$2,900      | \$58,500  |              |             |      |      |             | \$61,400     |
| <b>Detail Plans</b>                            | ftch \$61,399                   | \$62,000    | \$3,000      | \$59,000  |              |             |      |      |             | \$62,000     |
| <b>Land/Easements</b>                          |                                 | \$65,000    |              |           | \$65,000     |             |      |      |             | \$65,000     |
| <b>Construction Engineering and Inspection</b> |                                 | \$0         |              |           |              |             |      |      |             | \$0          |
| <b>General Contractor</b>                      |                                 | \$1,100,000 |              |           |              | \$1,100,000 |      |      |             | \$1,100,000  |
| <b>Misc</b>                                    |                                 | \$0         |              |           |              |             |      |      |             | \$0          |
| <b>Total</b>                                   |                                 | \$1,288,400 | \$5,900      | \$117,500 | \$65,000     | \$1,100,000 | \$0  | \$0  | \$0         | \$1,288,400  |
| <b>Funding Source:</b>                         | <b>Capital Improvement Fund</b> | \$ 5,900    | \$ 117,500   | \$ 65,000 | \$ 1,100,000 | \$ -        | \$ - | \$ - | \$ -        | \$ 1,288,400 |
|  | <b>Assessment</b>               | \$ -        | \$ -         | \$ -      | \$ -         | \$ -        | \$ - | \$ - | \$ -        | \$ -         |
|  | <b>Loan</b>                     | \$ -        | \$ -         | \$ -      | \$ -         | \$ -        | \$ - | \$ - | \$ -        | \$ -         |
|  | <b>Grant</b>                    | \$ -        | \$ -         | \$ -      | \$ -         | \$ -        | \$ - | \$ - | \$ -        | \$ -         |

**Positive Aspects of Project:**  
 Flow Monitoring - I/I Study required as part of the Preliminary Engineering  
 Reduce and/or convey excessive I/I in trunk line

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

**Notes:**

## 2018 Wastewater Capital Improvement - Project Summary

|                                     |  |   |                     |                        |  |
|-------------------------------------|--|---|---------------------|------------------------|--|
| <b>Project :</b>                    | Nine Mile WWTP Blower Upgrade  | 6402-60114                                      | Project Manager: JG | <b>Date of Update:</b> | 2-Feb-18   |
| <b>Description:</b>                 | Installation of two (2) new 60-HP positive displacement blowers for the digester tanks and one (1) new 10-HP positive displacement blower for the post-aeration. Also includes new air piping, valves, electrical, VFD's, instrumentation, programing and SCADA integration. |   |                     | <b>Justificati</b>     | Petition<br>BOH<br>Master Plan<br>XL   |
| <b>Township</b>                     | Pierce   |   |                     |                        | <b>Capacity</b>  |
| <b>Annual Effect on Operations:</b> | unknown  | O&M/year  |                     |                        |  |
| <b>Easements Procured:</b>          | na   | <b>Resolutions:</b> RAGP<br>RADP<br>RON<br>RDTP |                     |                        | Need<br>Consent Order<br>Other   |
| <b>Special Conditions:</b>          |  |   |                     | <b>Construction:</b>   | Bid Opening:<br>Contract Award:<br>Contract Execution:<br>Notice to Proceed: |

### Expenditure Plan

| Task   | Vendor                          | Planned   | Prior Yr CTD | 2018     | 2019   | 2020 | 2021 | 2022 | 2023-Beyond | Total     |         |
|--|---------------------------------|-----------|--------------|----------|--------|------|------|------|-------------|-----------|---------|
| <b>Preliminary Engineering</b>                 |                                 | \$0       |              |          |        |      |      |      |             | \$0       |         |
| <b>Detail Plans</b>                            | EES                             | \$32,480  | \$32,480     |          |        |      |      |      |             | \$32,480  |         |
| <b>Land/Easements</b>                          |                                 | \$0       |              |          |        |      |      |      |             | \$0       |         |
| <b>Construction Engineering and Inspection</b> |                                 | \$0       |              |          |        |      |      |      |             | \$0       |         |
| <b>General Contractor</b>                      |                                 | \$429,500 | \$407,000    | \$22,500 |        |      |      |      |             | \$429,500 |         |
| <b>Misc</b>                                    |                                 | \$300     | \$300        |          |        |      |      |      |             | \$300     |         |
| <b>Total</b>                                   |                                 | \$462,280 | \$439,780    | \$22,500 | \$0    | \$0  | \$0  | \$0  | \$0         | \$462,280 |         |
| <b>Funding Source:</b>                         | <b>Capital Improvement Fund</b> | \$        | 439,780      | \$       | 2,500  | \$   | -    | \$   | -           | \$        | 442,280 |
|  | <b>Assessment</b>               | \$        | -            | \$       | -      | \$   | -    | \$   | -           | \$        | -       |
|  | <b>Loan</b>                     | \$        | -            | \$       | -      | \$   | -    | \$   | -           | \$        | -       |
|  | <b>Grant-Duke</b>               | \$        | -            | \$       | 20,000 | \$   | -    | \$   | -           | \$        | 20,000  |

**Positive Aspects of Project:** Replaces aged & inefficient centrifugal blowers.  
 Replaces aged, inefficient centrifugal blowers. Estimated annual energy savings is \$30,000 per year.  
 This project qualifies for a Duke Energy incentive grant.  
 Costs for engineering services provided by operation's budget.

**Problems:**

**Notes:**



## 2018 Wastewater Capital Improvement - Project Summary

|   |  |   |   |   |
|---|--|---|---|---|
| <b>Project :</b> Nine Mile WWTP Improvements      6402-      Project Manager:   |  |   | <b>Date of Update:</b> 2-Feb-18   |   |
| <b>Description:</b><br>Replacement of fine screens. Improvements/automation of pumps, screens, and oxidation ditch gates to maintain peak treatment capacity of at least 9.0 MGD. |  |   | <b>Justificati</b> Petition      Capacity<br>BOH <u>Need</u><br>Master Plan      Consent Order<br>XL      Other |   |
| <b>Township</b> Pierce  |  |   | <b>Coordinates:</b>   |   |
| <b>Annual Effect on Operations:</b> \$      -      O&M/year   |  | <b>Resolutions:</b> RAGP<br>RADP<br>RON<br>RDTP |   | <b>Construction:</b> Bid Opening:<br>Contract Award:<br>Contract Execution:<br>Notice to Proceed: |
| <b>Easements Procured:</b> yes  |  |   |   |   |
| <b>Special Conditions:</b>  |  |   |   |   |

### Expenditure Plan

| Task   | Vendor                          | Planned     | Prior Yr CTD | 2018       | 2019         | 2020 | 2021 | 2022 | 2023-Beyond | Total        |
|--|---------------------------------|-------------|--------------|------------|--------------|------|------|------|-------------|--------------|
| <b>Preliminary Engineering</b>                 |                                 |             |              |            |              |      |      |      |             | \$0          |
| Date Complete:                                 |                                 |             |              |            |              |      |      |      |             |              |
| <b>Detail Plans</b>                            |                                 | \$96,000    |              | \$96,000   |              |      |      |      |             | \$96,000     |
| Date Complete:                                 |                                 |             |              |            |              |      |      |      |             |              |
| <b>Land/Easements</b>                          |                                 |             |              |            |              |      |      |      |             | \$0          |
| <b>Construction Engineering and Inspection</b> |                                 |             |              |            |              |      |      |      |             | \$0          |
| General Contractor                             |                                 | \$1,200,000 |              |            | \$1,200,000  |      |      |      |             | \$1,200,000  |
| <b>Misc</b>                                    |                                 | \$10,000    |              | \$8,000    | \$2,000      |      |      |      |             | \$10,000     |
| <b>Total</b>                                   |                                 | \$1,306,000 | \$0          | \$104,000  | \$1,202,000  | \$0  | \$0  | \$0  | \$0         | \$1,306,000  |
| <b>Funding Source:</b>                         | <b>Capital Improvement Fund</b> | \$          | -            | \$ 104,000 | \$ 1,202,000 | \$   | -    | \$   | -           | \$ 1,306,000 |
|  | <b>Assessment</b>               | \$          | -            | \$         | -            | \$   | -    | \$   | -           | \$           |
|  | <b>Loan</b>                     |             |              | \$         | -            | \$   | -    | \$   | -           | \$           |
|  | <b>Grant</b>                    |             |              | \$         | -            | \$   | -    | \$   | -           | \$           |

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

**Problems:**

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

## 2018 Wastewater Capital Improvement - Project Summary

|                                     |  |                     |                             |                        |  |
|-------------------------------------|--|---------------------|-----------------------------|------------------------|--|
| <b>Project :</b>                    | O'Bannon Creek Tributary Restoration and Bank Stabilization  | 6402-60155          | Project Manager: JG         | <b>Date of Update:</b> | 2-Feb-18   |
| <b>Description:</b>                 | Restoration and stabilization of over 600' of stream to help protect an existing 27" sanitary sewer in area of manhole 5430. |                     |                             | <b>Justificati</b>     | Petition<br>BOH<br>Master Plan<br>XL   |
| <b>Township</b>                     | Goshen   |                     |                             |                        | Capacity<br>Need<br>Consent Order<br>Other                                   |
| <b>Annual Effect on Operations:</b> | \$ - O&M/year  | <b>Resolutions:</b> | RAGP<br>RADP<br>RON<br>RDTP | <b>Construction:</b>   | Bid Opening:<br>Contract Award:<br>Contract Execution:<br>Notice to Proceed: |
| <b>Easements Procured:</b>          | yes  |                     |                             |                        |  |
| <b>Special Conditions:</b>          | Construction during dry weather/low flow   |                     |                             |                        |  |

### Expenditure Plan

| Task                                    | Vendor                          | Planned   | Prior Yr CTD | 2018       | 2019 | 2020 | 2021 | 2022 | 2023-Beyond | Total      |
|---|---------------------------------|-----------|--------------|------------|------|------|------|------|-------------|------------|
| Preliminary Engineering                 |                                 |           |              |            |      |      |      |      |             | \$0        |
| Date Complete:                          |                                 |           |              |            |      |      |      |      |             |            |
| Detail Plans                            |                                 |           |              |            |      |      |      |      |             | \$0        |
| Date Complete:                          |                                 |           |              |            |      |      |      |      |             |            |
| Land/Easements                          |                                 |           |              |            |      |      |      |      |             | \$0        |
| Construction Engineering and Inspection |                                 |           |              |            |      |      |      |      |             | \$0        |
| General Contractor                      |                                 | \$185,125 |              | \$185,125  |      |      |      |      |             | \$185,125  |
| Misc                                    |                                 |           |              |            |      |      |      |      |             | \$0        |
| <b>Total</b>                            |                                 | \$185,125 | \$0          | \$185,125  | \$0  | \$0  | \$0  | \$0  | \$0         | \$185,125  |
| <b>Funding Source:</b>                  | <b>Capital Improvement Fund</b> | \$ -      | \$ -         | \$ 133,867 | \$ - | \$ - | \$ - | \$ - | \$ -        | \$ 133,867 |
|   | <b>Assessment</b>               | \$ -      | \$ -         | \$ -       | \$ - | \$ - | \$ - | \$ - | \$ -        | \$ -       |
|   | <b>Loan</b>                     | \$ -      | \$ -         | \$ -       | \$ - | \$ - | \$ - | \$ - | \$ -        | \$ -       |
|   | <b>Grant</b>                    | \$ 51,000 | \$ -         | \$ 51,258  | \$ - | \$ - | \$ - | \$ - | \$ -        | \$ 51,258  |

**Positive Aspects of Project:**  
Protection of existing sanitary sewer.

**Problems:**

**Notes:**

## 2018 Wastewater Capital Improvement - Project Summary

|                                     |  |   |                  |    |   |   |
|-------------------------------------|--|---|------------------|----|---|---|
| <b>Project :</b>                    | O'Bannon Trunk Sewer Improvements                                  | 6402-60133                                      | Project Manager: | AK | <b>Date of Update:</b>  | 2-Feb-18  |
| <b>Description:</b>                 | Sewer improvements to approximately 15,600 feet of sanitary sewer. |   |                  |    | <b>Justification:</b>   | Petition<br>BOH<br><u>Master Plan</u><br>XL<br>OBN P1-02<br>Consent Order<br>Capacity Need<br>Other |
| <b>Township</b>                     | Goshen   |   |                  |    | <b>Coordinates:</b>   |   |
| <b>Annual Effect on Operations:</b> | \$ 2,500 O&M/year  | <b>Resolutions:</b> RAGP<br>RADP<br>RON<br>RDTP |                  |    | <b>Construction:</b> Bid Opening:<br>Contract Award:<br>Contract Execution:<br>Notice to Proceed: |   |
| <b>Easements Procured:</b>          | no   |   |                  |    |   |   |
| <b>Special Conditions:</b>          |  |   |                  |    |   |   |

### Expenditure Plan

| Task   | Vendor                          | Planned            | Prior Yr CTD     | 2018       | 2019       | 2020       | 2021       | 2022             | 2023-Beyond        | Total              |
|--|---------------------------------|--------------------|------------------|------------|------------|------------|------------|------------------|--------------------|--------------------|
| <b>Preliminary Engineering</b>                 | Hazen                           | \$158,834          | \$158,834        |            |            |            |            |                  |                    | \$158,834          |
| <b>Detail Plans</b>                            | BBS (\$39,453)                  | \$39,460           | \$39,460         |            |            |            |            | \$225,000        |                    | \$39,460           |
|  |                                 | \$225,000          |                  |            |            |            |            |                  |                    | \$225,000          |
| <b>Land/Easements</b>                          |                                 | \$150,000          |                  |            |            |            |            | \$150,000        |                    | \$150,000          |
| <b>Construction Engineering and Inspection</b> |                                 | \$0                |                  |            |            |            |            |                  |                    | \$0                |
| <b>General Contractor</b>                      |                                 | \$2,850,000        |                  |            |            |            |            |                  | \$2,850,000        | \$2,850,000        |
| <b>Misc</b>                                    |                                 | \$50,600           | \$600            |            |            |            |            |                  | \$50,000           | \$50,600           |
| <b>Total</b>                                   |                                 | <b>\$3,473,894</b> | <b>\$198,894</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$375,000</b> | <b>\$2,900,000</b> | <b>\$3,473,894</b> |
| <b>Funding Source:</b>                         | <b>Capital Improvement Fund</b> | \$ 198,894         | \$ -             | \$ -       | \$ -       | \$ -       | \$ -       | \$ 375,000       | \$ 2,900,000       | \$ 3,473,894       |
|  | <b>Assessment</b>               | \$ -               | \$ -             | \$ -       | \$ -       | \$ -       | \$ -       | \$ -             | \$ -               | \$ -               |
|  | <b>Loan</b>                     | \$ -               | \$ -             | \$ -       | \$ -       | \$ -       | \$ -       | \$ -             | \$ -               | \$ -               |
|  | <b>Grant</b>                    | \$ -               | \$ -             | \$ -       | \$ -       | \$ -       | \$ -       | \$ -             | \$ -               | \$ -               |

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

**Problems:**

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

## 2018 Wastewater Capital Improvement - Project Summary

|   |  |
|---|--|
| <b>Project :</b> O'Bannon WWTP Bio-Solids Dewatering      6402-      Project Manager:   | <b>Date of Update:</b> 2-Feb-18  |
| <b>Description:</b><br>Installation of a new permanent centrifuge, shelter, and blowers to provide bio-solids dewatering.     | <b>Justificati</b> Petition<br>BOH<br>Master Plan<br>XL<br><br><b>Coordinates:</b> |
| <b>Township</b> Goshen  | Capacity<br>Need<br>Consent Order<br>Other   |
| <b>Annual Effect on Operations:</b> \$            10,000 O&M/year   | <b>Resolutions:</b> RAGP<br>RADP<br>RON<br>RDTP                                    |
| <b>Easements Procured:</b> na   |  |
| <b>Special Conditions:</b>  |  |
| <b>Construction:</b> <b>Bid Opening:</b><br><b>Contract Award:</b><br><b>Contract Execution:</b><br><b>Notice to Proceed:</b> |  |

### Expenditure Plan

| Task                                       | Vendor                          | Planned            | Prior Yr CTD | 2018       | 2019       | 2020       | 2021       | 2022       | 2023-Beyond        | Total              |
|--|---------------------------------|--------------------|--------------|------------|------------|------------|------------|------------|--------------------|--------------------|
| Preliminary Engineering<br>Date Complete:  |                                 | \$0                |              |            |            |            |            |            |                    | \$0                |
| Detail Plans<br>Date Complete:             |                                 | \$80,000           |              |            |            |            |            |            | \$80,000           | \$80,000           |
| Land/Easements                             |                                 | \$0                |              |            |            |            |            |            |                    | \$0                |
| Construction Engineering<br>and Inspection |                                 | \$0                |              |            |            |            |            |            |                    | \$0                |
| General Contractor                         |                                 | \$1,100,000        |              |            |            |            |            |            | \$1,100,000        | \$1,100,000        |
| Misc                                       |                                 | \$0                |              |            |            |            |            |            |                    | \$0                |
| <b>Total</b>                               |                                 | <b>\$1,180,000</b> | <b>\$0</b>   | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$1,180,000</b> | <b>\$1,180,000</b> |
| <b>Funding Source:</b>                     | <b>Capital Improvement Fund</b> | \$ -               | \$ -         | \$ -       | \$ -       | \$ -       | \$ -       | \$ -       | \$ 1,180,000       | \$ 1,180,000       |
|  | <b>Assessment</b>               | \$ -               | \$ -         | \$ -       | \$ -       | \$ -       | \$ -       | \$ -       | \$ -               | \$ -               |
|  | <b>Loan</b>                     | \$ -               | \$ -         | \$ -       | \$ -       | \$ -       | \$ -       | \$ -       | \$ -               | \$ -               |
|  | <b>Grant</b>                    | \$ -               | \$ -         | \$ -       | \$ -       | \$ -       | \$ -       | \$ -       | \$ -               | \$ -               |

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

**Problems:**

**Notes:**

## 2018 Wastewater Capital Improvement - Project Summary

|                                     |  |            |   |    |   |  |
|-------------------------------------|--|------------|---|----|---|--|
| <b>Project :</b>                    | O'Bannon WWTP Filter & Clarifier Improvements  | 6402-60142 | Project Manager:                                | JG | <b>Date of Update:</b>  | 2-Feb-18   |
| <b>Description:</b>                 | Replacement of two existing low head filters and coresponding equipment with a single centralized 6.5 MGD filter unit and the addition of a second clarifier on the oxidation ditch side of the treatment plant. Also, included the evaluation of the plant's wet weather flow treatment capacity. |            |   |    | <b>Justificati</b>  | Petition<br>BOH<br>Master Plan<br>XL<br>OBN-P1-T1<br>Consent Order<br>Capacity Need<br>Other |
| <b>Township</b>                     | Goshen   |            |   |    | <b>Coordinates:</b>   |  |
| <b>Annual Effect on Operations:</b> | TBD  | O&M/year   | <b>Resolutions:</b> RAGP<br>RADP<br>RON<br>RDTP |    | <b>Construction:</b> Bid Opening:<br>Contract Award:<br>Contract Execution:<br>Notice to Proceed: |  |
| <b>Easements Procured:</b>          | N/A  |            |   |    |   |  |
| <b>Special Conditions:</b>          |  |            |   |    |   |  |

### Expenditure Plan

| Task   | Vendor                          | Planned     | Prior Yr CTD | 2018      | 2019        | 2020        | 2021      | 2022 | 2023-Beyond | Total       |           |
|--|---------------------------------|-------------|--------------|-----------|-------------|-------------|-----------|------|-------------|-------------|-----------|
| <b>Preliminary Engineering</b>                 |                                 | \$60,000    | \$12,650     | \$47,350  |             |             |           |      |             | \$60,000    |           |
| <b>Detail Plans</b>                            |                                 | \$280,000   |              | \$180,000 | \$100,000   |             |           |      |             | \$280,000   |           |
| <b>Land/Easements</b>                          |                                 | \$0         |              |           |             |             |           |      |             | \$0         |           |
| <b>Construction Engineering and Inspection</b> |                                 | \$80,000    |              |           | \$60,000    | \$20,000    |           |      |             | \$80,000    |           |
| <b>General Contractor</b>                      |                                 | \$4,350,000 |              |           | \$3,000,000 | \$1,350,000 |           |      |             | \$4,350,000 |           |
| <b>Misc</b>                                    | Permit                          | \$15,100    |              | \$15,100  |             |             |           |      |             | \$15,100    |           |
|  |                                 | \$2,000     |              | \$2,000   |             |             |           |      |             | \$2,000     |           |
| <b>Total</b>                                   |                                 | \$4,787,100 | \$12,650     | \$244,450 | \$3,160,000 | \$1,370,000 | \$0       | \$0  | \$0         | \$4,787,100 |           |
| <b>Funding Source:</b>                         | <b>Capital Improvement Fund</b> | \$          | 12,650       | \$        | 244,450     | \$          | 3,160,000 | \$   | -           | \$          | 4,787,100 |
|  | <b>Assessment</b>               | \$          | -            | \$        | -           | \$          | -         | \$   | -           | \$          | -         |
|  | <b>Loan</b>                     | \$          | -            | \$        | -           | \$          | -         | \$   | -           | \$          | -         |
|  | <b>Grant</b>                    | \$          | -            | \$        | -           | \$          | -         | \$   | -           | \$          | -         |

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

**Problems:**

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

## 2018 Wastewater Capital Improvement - Project Summary

|                                     |   |   |   |   |
|-------------------------------------|---|---|---|---|
| <b>Project :</b>                    | O'Bannon WWTP Reclaimed Water Pumps and Force Main<br>651-0042  | Project Manager:                                | <b>Date of Update:</b>  | 2-Feb-18  |
| <b>Description:</b>                 | Purchase and installation of 2 new pumps and approximately 1,350 feet of 6" force main to supply non-potable water (250,000 gpd) to O'Bannon Creek Golf Course. One pump will pump sludge to the centrifuge and one will pump treated effluent to the O'Bannon Creek Golf Course. |   |   | <b>Justificati</b> Petition<br>BOH<br>Master Plan<br>XL<br><br><b>Coordinates:</b>  |
| <b>Township</b>                     | Goshen  |   |   | <div style="border: 1px solid black; border-radius: 50%; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center; margin: 0 auto;">Capacity<br/>Need</div><br>Consent Order<br>Other |
| <b>Annual Effect on Operations:</b> | \$            300 O&M/year  | <b>Resolutions:</b> RAGP<br>RADP<br>RON<br>RDTP | <b>Construction:</b> Bid Opening:<br>Contract Award:<br>Contract Execution:<br>Notice to Proceed: |   |
| <b>Easements Procured:</b>          | no  |   |   |   |
| <b>Special Conditions:</b>          |   |   |   |   |

### Expenditure Plan

| Task   | Vendor                          | Planned   | Prior Yr CTD | 2018 | 2019 | 2020 | 2021 | 2022 | 2023-Beyond | Total     |         |    |         |
|--|---------------------------------|-----------|--------------|------|------|------|------|------|-------------|-----------|---------|----|---------|
| <b>Preliminary Engineering</b>                 |                                 | \$0       |              |      |      |      |      |      |             | \$0       |         |    |         |
| <b>Date Complete:</b>                          |                                 |           |              |      |      |      |      |      |             |           |         |    |         |
| <b>Detail Plans</b>                            | In House                        | \$8,000   |              |      |      |      |      |      | \$8,000     | \$8,000   |         |    |         |
| <b>Date Complete:</b>                          |                                 |           |              |      |      |      |      |      |             |           |         |    |         |
| <b>Land/Easements</b>                          |                                 | \$0       |              |      |      |      |      |      |             | \$0       |         |    |         |
| <b>Construction Engineering and Inspection</b> |                                 | \$0       |              |      |      |      |      |      |             | \$0       |         |    |         |
| <b>General Contractor</b>                      |                                 | \$100,000 |              |      |      |      |      |      | \$100,000   | \$100,000 |         |    |         |
| <b>Misc</b>                                    |                                 | \$0       |              |      |      |      |      |      |             | \$0       |         |    |         |
| <b>Total</b>                                   |                                 | \$108,000 | \$0          | \$0  | \$0  | \$0  | \$0  | \$0  | \$108,000   | \$108,000 |         |    |         |
| <b>Funding Source:</b>                         | <b>Capital Improvement Fund</b> | \$        | -            | \$   | -    | \$   | -    | \$   | -           | \$        | 108,000 | \$ | 108,000 |
|  | <b>Assessment</b>               | \$        | -            | \$   | -    | \$   | -    | \$   | -           | \$        | -       | \$ | -       |
|  | <b>Loan</b>                     | \$        | -            | \$   | -    | \$   | -    | \$   | -           | \$        | -       | \$ | -       |
|  | <b>Grant</b>                    | \$        | -            | \$   | -    | \$   | -    | \$   | -           | \$        | -       | \$ | -       |

**Positive Aspects of Project:**  
 Beneficial re-use of treated effluent from the O'Bannon WWTP for irrigation at the O'Bannon Creek Golf Course. O'Bannon Creek Golf Course to compensate for reclaimed water used.

**Problems:**  
 New EPA Regulations for irrigating with treated effluent.

**Notes:**

## 2018 Wastewater Capital Improvement - Project Summary

|                                     |  |   |                  |   |   |
|-------------------------------------|--|---|------------------|---|---|
| <b>Project :</b>                    | Olive Branch-Stonelick Sewer Extension   | 6402-   | Project Manager: | <b>Date of Update:</b>  | 2-Feb-18  |
| <b>Description:</b>                 | Extension of the sanitary sewer near the Olive Branch-Stonelick Interchange to serve unsewered areas and provide for elimination of the East Clough Lift Station |   |                  | <b>Justificati</b>  | Petition<br>BOH<br>Master Plan<br>XL<br>Capacity<br>Need<br>Consent Order<br><u>Other</u> |
| <b>Township</b>                     | Batavia & Union  |   |                  | <b>Coordinates:</b>   |   |
| <b>Annual Effect on Operations:</b> | \$ 1,300 O&M/year  | <b>Resolutions:</b> RAGP<br>RADP<br>RON<br>RDTP |                  | <b>Construction:</b> Bid Opening:<br>Contract Award:<br>Contract Execution:<br>Notice to Proceed: |   |
| <b>Easements Procured:</b>          | no   |   |                  |   |   |
| <b>Special Conditions:</b>          | Coordinate w/ TID Project  |   |                  |   |   |

### Expenditure Plan

| Task   | Vendor | Planned     | Prior Yr CTD | 2018 | 2019 | 2020 | 2021 | 2022      | 2023-Beyond | Total       |
|--|--------|-------------|--------------|------|------|------|------|-----------|-------------|-------------|
| <b>Preliminary Engineering</b>                 | HNTB   | \$20,000    | \$20,000     |      |      |      |      |           |             | \$20,000    |
| <b>Detail Plans</b>                            |        | \$100,000   |              |      |      |      |      | \$100,000 |             | \$100,000   |
| <b>Land/Easements</b>                          |        | \$0         |              |      |      |      |      |           |             | \$0         |
| <b>Construction Engineering and Inspection</b> |        | \$0         |              |      |      |      |      |           |             | \$0         |
| <b>General Contractor</b>                      |        | \$1,600,000 |              |      |      |      |      |           | \$1,600,000 | \$1,600,000 |
| <b>Misc</b>                                    |        | \$0         |              |      |      |      |      |           |             | \$0         |
| <b>Total</b>                                   |        | \$1,720,000 | \$20,000     | \$0  | \$0  | \$0  | \$0  | \$100,000 | \$1,600,000 | \$1,720,000 |

|                        |                                 |           |      |      |      |      |      |            |              |              |
|------------------------|---------------------------------|-----------|------|------|------|------|------|------------|--------------|--------------|
| <b>Funding Source:</b> | <b>Capital Improvement Fund</b> | \$ 20,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 100,000 | \$ 1,600,000 | \$ 1,720,000 |
|                        | <b>Assessment</b>               | \$ -      | \$ - | \$ - | \$ - | \$ - | \$ - | \$ -       | \$ -         | \$ -         |
|                        | <b>Loan</b>                     | \$ -      | \$ - | \$ - | \$ - | \$ - | \$ - | \$ -       | \$ -         | \$ -         |
|                        | <b>Grant</b>                    | \$ -      | \$ - | \$ - | \$ - | \$ - | \$ - | \$ -       | \$ -         | \$ -         |

**Positive Aspects of Project:**

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

**Problems:**

CIP Funds intended for oversizing costs

**Notes:**

## 2018 Wastewater Capital Improvement - Project Summary

|                                     |   |   |                  |                        |  |
|-------------------------------------|---|---|------------------|------------------------|--|
| <b>Project :</b>                    | Orchard Valley Lift Station Upgrade   | 6402-   | Project Manager: | <b>Date of Update:</b> | 2-Feb-18   |
| <b>Description:</b>                 | Improvements to increase the lift station capacity to 2.2 MGD. Work to include modifications to the wet well and valve vault, replacement of pumps, piping, controls, electric service and site layout. |   |                  | <b>Justification:</b>  | Petition<br>BOH<br><u>Master Plan</u><br>XL                                  |
| <b>Township:</b>                    | Miami   |   |                  | <b>Coordinates:</b>    | LEF-P1-15<br>Consent Order<br>Capacity Need<br>Other                         |
| <b>Annual Effect on Operations:</b> | \$ - O&M/year   | <b>Resolutions:</b> RAGP<br>RADP<br>RON<br>RDTP |                  | <b>Construction:</b>   | Bid Opening:<br>Contract Award:<br>Contract Execution:<br>Notice to Proceed: |
| <b>Easements Procured:</b>          | No  |   |                  |                        |  |
| <b>Special Conditions:</b>          |   |   |                  |                        |  |

### Expenditure Plan

| Task   | Vendor                          | Planned     | Prior Yr CTD | 2018 | 2019 | 2020       | 2021         | 2022 | 2023-Beyond | Total        |
|--|---------------------------------|-------------|--------------|------|------|------------|--------------|------|-------------|--------------|
| <b>Preliminary Engineering</b>                 |                                 |             |              |      |      |            |              |      |             | \$0          |
| Date Complete:                                 |                                 |             |              |      |      |            |              |      |             |              |
| <b>Detail Plans</b>                            |                                 | \$85,000    |              |      |      | \$85,000   |              |      |             | \$85,000     |
| Date Complete:                                 |                                 |             |              |      |      |            |              |      |             |              |
| <b>Land/Easements</b>                          |                                 | \$15,000    |              |      |      | \$15,000   |              |      |             | \$15,000     |
| <b>Construction Engineering and Inspection</b> |                                 |             |              |      |      |            |              |      |             | \$0          |
| <b>General Contractor</b>                      |                                 | \$1,180,000 |              |      |      |            | \$1,180,000  |      |             | \$1,180,000  |
| <b>Misc</b>                                    |                                 | \$2,000     |              |      |      |            | \$2,000      |      |             | \$2,000      |
| <b>Total</b>                                   |                                 | \$1,282,000 | \$0          | \$0  | \$0  | \$100,000  | \$1,182,000  | \$0  | \$0         | \$1,282,000  |
| <b>Funding Source:</b>                         | <b>Capital Improvement Fund</b> | \$ -        | \$ -         | \$ - | \$ - | \$ 100,000 | \$ 1,182,000 | \$ - | \$ -        | \$ 1,282,000 |
|  | <b>Assessment</b>               | \$ -        | \$ -         | \$ - | \$ - | \$ -       | \$ -         | \$ - | \$ -        | \$ -         |
|  | <b>Loan</b>                     | \$ -        | \$ -         | \$ - | \$ - | \$ -       | \$ -         | \$ - | \$ -        | \$ -         |
|  | <b>Grant</b>                    | \$ -        | \$ -         | \$ - | \$ - | \$ -       | \$ -         | \$ - | \$ -        | \$ -         |

**Positive Aspects of Project:**

  
  
  

**Problems:**  
existing site location and easements

**Notes:**



## 2018 Wastewater Capital Improvement - Project Summary

|                                     |   |          |   |                        |   |
|-------------------------------------|---|----------|---|------------------------|---|
| <b>Project :</b>                    | Savannah Ridge Sewer Extension  | 6402-    | Project Manager:                                | <b>Date of Update:</b> | 2-Feb-18  |
| <b>Description:</b>                 | Construction of approximately 2751' of 24" and 4214' of 8" PVC sanitary sewer from Olive Branch Cemetery Road to Redpetal Lane. |          |   |                        | <b>Justificati</b> Petition<br>BOH<br>Master Plan<br>XL   |
| <b>Township</b>                     | Batavia & Union   |          |   |                        | <b>Coordinates:</b><br><br>Capacity<br>Need<br>Consent Order<br>Other                             |
| <b>Annual Effect on Operations:</b> | \$ -  | O&M/year | <b>Resolutions:</b> RAGP<br>RADP<br>RON<br>RDTP |                        | <b>Construction:</b> Bid Opening:<br>Contract Award:<br>Contract Execution:<br>Notice to Proceed: |
| <b>Easements Procured:</b>          | no  |          |   |                        |   |
| <b>Special Conditions:</b>          | CCWRD Contribution  |          |   |                        |   |

### Expenditure Plan

| Task   | Vendor                          | Planned   | Prior Yr CTD | 2018 | 2019       | 2020 | 2021 | 2022 | 2023-Beyond | Total      |
|--|---------------------------------|-----------|--------------|------|------------|------|------|------|-------------|------------|
| <b>Preliminary Engineering</b>                 |                                 | \$0       |              |      |            |      |      |      |             | \$0        |
| Date Complete:                                 |                                 |           |              |      |            |      |      |      |             |            |
| <b>Detail Plans</b>                            |                                 | \$0       |              |      |            |      |      |      |             | \$0        |
| Date Complete:                                 |                                 |           |              |      |            |      |      |      |             |            |
| <b>Land/Easements</b>                          |                                 | \$0       |              |      |            |      |      |      |             | \$0        |
| <b>Construction Engineering and Inspection</b> |                                 | \$0       |              |      |            |      |      |      |             | \$0        |
| <b>General Contractor</b>                      |                                 | \$147,000 |              |      | \$147,000  |      |      |      |             | \$147,000  |
| <b>Misc</b>                                    |                                 | \$0       |              |      |            |      |      |      |             | \$0        |
| <b>Total</b>                                   |                                 | \$147,000 | \$0          | \$0  | \$147,000  | \$0  | \$0  | \$0  | \$0         | \$147,000  |
| <b>Funding Source:</b>                         | <b>Capital Improvement Fund</b> | \$ -      | \$ -         | \$ - | \$ 147,000 | \$ - | \$ - | \$ - | \$ -        | \$ 147,000 |
|  | <b>Assessment</b>               | \$ -      | \$ -         | \$ - | \$ -       | \$ - | \$ - | \$ - | \$ -        | \$ -       |
|  | <b>Loan</b>                     | \$ -      | \$ -         | \$ - | \$ -       | \$ - | \$ - | \$ - | \$ -        | \$ -       |
|  | <b>Grant</b>                    | \$ -      | \$ -         | \$ - | \$ -       | \$ - | \$ - | \$ - | \$ -        | \$ -       |

**Positive Aspects of Project:**

  
  

**Problems:**

  
  

**Notes:**  
 CCWRD to contribute to the oversizing of approximately 2751' of the proposed sewer.

RAGP - Resolution adopting General Plan    RADP - Resolution adopting Detailed Plan    RON - Resolution of Necessity    RDTP - Resolution Determining to Proceed

## 2018 Wastewater Capital Improvement - Project Summary

|                                     |  |   |                  |                        |  |
|-------------------------------------|--|---|------------------|------------------------|--|
| <b>Project :</b>                    | Shayler Run - Segment E  | 6402-   | Project Manager: | <b>Date of Update:</b> | 2-Feb-18   |
| <b>Description:</b>                 | Replacement of existing trunk sewer, beginning at Stonelick Olive Branch and Shayler Creek and following the east fork of Shayler creek to Amelia Olive Branch |   |                  | <b>Justificati</b>     | Petition<br>BOH<br><u>Master Plan</u><br>XL                                  |
| <b>Township</b>                     | Batavia & Union Township   |   |                  |                        | Capacity<br>Need<br>Consent Order<br>Other                                   |
| <b>Annual Effect on Operations:</b> | \$ 2,500 O&M/year  | <b>Resolutions:</b> RAGP<br>RADP<br>RON<br>RDTP |                  | <b>Construction:</b>   | Bid Opening:<br>Contract Award:<br>Contract Execution:<br>Notice to Proceed: |
| <b>Easements Procured:</b>          | No   |   |                  |                        |  |
| <b>Special Conditions:</b>          |  |   |                  |                        |  |

### Expenditure Plan

| Task                                    | Vendor                   | Planned            | Prior Yr CTD     | 2018       | 2019       | 2020       | 2021               | 2022       | 2023-Beyond | Total              |
|---|--------------------------|--------------------|------------------|------------|------------|------------|--------------------|------------|-------------|--------------------|
| Preliminary Engineering                 |                          | \$0                |                  |            |            |            |                    |            |             | \$0                |
| <b>Date Complete:</b>                   |                          |                    |                  |            |            |            |                    |            |             |                    |
| Detail Plans                            | SWS                      | \$156,600          | \$156,600        |            |            |            |                    |            |             | \$156,600          |
| <b>Date Complete:</b>                   |                          |                    |                  |            |            |            |                    |            |             |                    |
| Land/Easements                          |                          | \$105,500          | \$5,500          |            |            |            | \$100,000          |            |             | \$105,500          |
| Construction Engineering and Inspection |                          | \$0                |                  |            |            |            |                    |            |             | \$0                |
| General Contractor                      |                          | \$990,000          |                  |            |            |            | \$990,000          |            |             | \$990,000          |
| Misc                                    |                          | \$10,000           | \$1,860          |            |            |            | \$8,140            |            |             | \$10,000           |
| <b>Total</b>                            |                          | <b>\$1,262,100</b> | <b>\$163,960</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$1,098,140</b> | <b>\$0</b> | <b>\$0</b>  | <b>\$1,262,100</b> |
| <b>Funding Source:</b>                  | Capital Improvement Fund | \$ 163,960         | \$ -             | \$ -       | \$ -       | \$ -       | \$ 1,098,140       | \$ -       | \$ -        | \$ 1,262,100       |
|   | Assessment               | \$ -               | \$ -             | \$ -       | \$ -       | \$ -       | \$ -               | \$ -       | \$ -        | \$ -               |
|   | Loan                     | \$ -               | \$ -             | \$ -       | \$ -       | \$ -       | \$ -               | \$ -       | \$ -        | \$ -               |
|   | Grant                    | \$ -               | \$ -             | \$ -       | \$ -       | \$ -       | \$ -               | \$ -       | \$ -        | \$ -               |

**Positive Aspects of Project:**  
Conveys high wetweather flow

**Problems:**

**Notes:**  
Potential coordination with TID project

## 2018 Wastewater Capital Improvement - Project Summary

|   |  |
|---|--|
| <b>Project :</b> Shayler Run Upstream Sewer Upgrade      6402-60138      Project Manager: JG  | <b>Date of Update:</b> 2-Feb-18  |
| <b>Description:</b><br>Replacement of approximately 4,900 feet of sewer main and the construction of a 3 million gallon storage facility. | <b>Justification:</b> Petition <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Capacity</span><br><span style="border: 1px solid black; border-radius: 50%; padding: 2px;">BOH</span> LEF-P1-01      Need<br><span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Master Plan</span> Consent Order<br>XL      Other |
| <b>Township:</b> Union  | <b>Coordinates:</b>  |
| <b>Annual Effect on Operations:</b> \$      1,000      O&M/year   | <b>Resolutions:</b> RAGP<br>RADP<br>RON<br>RDTP  |
| <b>Easements Procured:</b> No   |  |
| <b>Special Conditions:</b>  |  |
| <b>Construction:</b> Bid Opening:<br>Contract Award:<br>Contract Execution:<br>Notice to Proceed:   |  |

### Expenditure Plan

| Task   | Vendor | Planned   | Prior Yr CTD | 2018    | 2019 | 2020 | 2021 | 2022 | 2023-Beyond | Total     |
|--|--------|-----------|--------------|---------|------|------|------|------|-------------|-----------|
| <b>Preliminary Engineering</b>                 |        | \$54,622  | \$44,710     | \$9,912 |      |      |      |      |             | \$54,622  |
| Date Complete:                                 |        |           |              |         |      |      |      |      |             |           |
| <b>Detail Plans</b>                            |        | \$50,000  |              |         |      |      |      |      | \$50,000    | \$50,000  |
| Date Complete:                                 |        |           |              |         |      |      |      |      |             |           |
| <b>Land/Easements</b>                          |        | \$30,000  |              |         |      |      |      |      | \$30,000    | \$30,000  |
| <b>Construction Engineering and Inspection</b> |        | \$0       |              |         |      |      |      |      |             | \$0       |
| <b>General Contractor</b>                      |        | \$530,000 |              |         |      |      |      |      | \$530,000   | \$530,000 |
| <b>Misc</b>                                    |        | \$0       |              |         |      |      |      |      |             | \$0       |
| <b>Total</b>                                   |        | \$664,622 | \$44,710     | \$9,912 | \$0  | \$0  | \$0  | \$0  | \$610,000   | \$664,622 |

  

|                        |                          |    |        |    |       |    |   |    |   |    |   |    |   |    |         |    |         |
|------------------------|--------------------------|----|--------|----|-------|----|---|----|---|----|---|----|---|----|---------|----|---------|
| <b>Funding Source:</b> | Capital Improvement Fund | \$ | 44,710 | \$ | 9,912 | \$ | - | \$ | - | \$ | - | \$ | - | \$ | 610,000 | \$ | 664,622 |
|                        | Assessment               | \$ | -      | \$ | -     | \$ | - | \$ | - | \$ | - | \$ | - | \$ | -       | \$ | -       |
|                        | Loan                     | \$ | -      | \$ | -     | \$ | - | \$ | - | \$ | - | \$ | - | \$ | -       | \$ | -       |
|                        | Grant                    | \$ | -      | \$ | -     | \$ | - | \$ | - | \$ | - | \$ | - | \$ | -       | \$ | -       |

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

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

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

## 2018 Wastewater Capital Improvement - Project Summary

|                                     |  |          |                             |                           |  |
|-------------------------------------|--|----------|-----------------------------|---------------------------|--|
| <b>Project :</b>                    | SR 132 Lift Station Improvements                                     | 6402-    | Project Manager:            | <b>Date of Update:</b>    | 2-Feb-18                                   |
| <b>Description:</b>                 | Evaluation and design of necessary improvements to the lift station. |          |                             | <b>Justificati</b>        | Petition<br>BOH<br>Master Plan<br>XL       |
| <b>Township</b>                     | Stonelick  |          |                             | <b>Coordinates:</b>       | Capacity<br>Need<br>Consent Order<br>Other |
| <b>Annual Effect on Operations:</b> | unknown  | O&M/year | <b>Resolutions:</b>         | <b>Construction:</b>      | <b>Bid Opening:</b>                        |
| <b>Easements Procured:</b>          | N/A  |          | RAGP<br>RADP<br>RON<br>RDTP | <b>Contract Award:</b>    | <b>Contract Execution:</b>                 |
| <b>Special Conditions:</b>          |  |          |                             | <b>Notice to Proceed:</b> |  |

### Expenditure Plan

| Task                                       | Vendor                          | Planned          | Prior Yr CTD | 2018       | 2019            | 2020             | 2021       | 2022       | 2023-Beyond | Total            |
|--|---------------------------------|------------------|--------------|------------|-----------------|------------------|------------|------------|-------------|------------------|
| Preliminary Engineering<br>Date Complete:  |                                 | \$0              |              |            |                 |                  |            |            |             | \$0              |
| Detail Plans<br>Date Complete:             |                                 | \$20,000         |              |            | \$20,000        |                  |            |            |             | \$20,000         |
| Land/Easements                             |                                 | \$0              |              |            |                 |                  |            |            |             | \$0              |
| Construction Engineering<br>and Inspection |                                 | \$0              |              |            |                 |                  |            |            |             | \$0              |
| General Contractor                         |                                 | \$150,000        |              |            |                 | \$150,000        |            |            |             | \$150,000        |
| Misc                                       |                                 | \$0              |              |            |                 |                  |            |            |             | \$0              |
| <b>Total</b>                               |                                 | <b>\$170,000</b> | <b>\$0</b>   | <b>\$0</b> | <b>\$20,000</b> | <b>\$150,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b>  | <b>\$170,000</b> |
| <b>Funding Source:</b>                     | <b>Capital Improvement Fund</b> | \$ -             | \$ -         | \$ -       | \$ 20,000       | \$ 150,000       | \$ -       | \$ -       | \$ -        | \$ 170,000       |
|  | Assessment                      | \$ -             | \$ -         | \$ -       | \$ -            | \$ -             | \$ -       | \$ -       | \$ -        | \$ -             |
|  | Loan                            | \$ -             | \$ -         | \$ -       | \$ -            | \$ -             | \$ -       | \$ -       | \$ -        | \$ -             |
|  | Grant                           | \$ -             | \$ -         | \$ -       | \$ -            | \$ -             | \$ -       | \$ -       | \$ -        | \$ -             |

**Positive Aspects of Project:**

  
  

**Problems:**

  
  

**Notes:**

## 2018 Wastewater Capital Improvement - Project Summary

|                                     |  |       |                  |                        |  |
|-------------------------------------|--|-------|------------------|------------------------|--|
| <b>Project :</b>                    | SR 132 Sewer Improvements  | 6402- | Project Manager: | <b>Date of Update:</b> | 2-Feb-18   |
| <b>Description:</b>                 | Sewer upgrades along SR 132 between SR 125 and Stable Trails. Replacement of approximately 7,060 feet of existing 12" sewer with 24" sewer, between manholes 12901 and 3490. |       |                  | <b>Justificati</b>     | Petition<br>BOH<br><u>Master Plan</u><br>XL<br>MEF-P2-24<br>Consent Order<br>Capacity<br>Need<br>Other |
| <b>Township</b>                     | Batavia  |       |                  | <b>Coordinates:</b>    |  |
| <b>Annual Effect on Operations:</b> | \$   | 1,200 | O&M/year         | <b>Resolutions:</b>    | RAGP<br>RADP<br>RON<br>RDTP  |
| <b>Easements Procured:</b>          | No   |       |                  | <b>Construction:</b>   | Bid Opening:<br>Contract Award:<br>Contract Execution:<br>Notice to Proceed:                           |
| <b>Special Conditions:</b>          |  |       |                  |                        |  |

### Expenditure Plan

| Task   | Vendor | Planned   | Prior Yr CTD | 2018 | 2019 | 2020 | 2021      | 2022      | 2023-Beyond | Total     |
|--|--------|-----------|--------------|------|------|------|-----------|-----------|-------------|-----------|
| <b>Preliminary Engineering</b>                 |        | \$25,000  |              |      |      |      | \$25,000  |           |             | \$25,000  |
| Date Complete:                                 |        |           |              |      |      |      |           |           |             |           |
| <b>Detail Plans</b>                            |        | \$100,000 |              |      |      |      | \$100,000 |           |             | \$100,000 |
| Date Complete:                                 |        |           |              |      |      |      |           |           |             |           |
| <b>Land/Easements</b>                          |        | \$60,000  |              |      |      |      | \$30,000  | \$30,000  |             | \$60,000  |
| <b>Construction Engineering and Inspection</b> |        | \$0       |              |      |      |      |           |           |             | \$0       |
| <b>General Contractor</b>                      |        | \$600,000 |              |      |      |      |           | \$600,000 |             | \$600,000 |
| <b>Misc</b>                                    |        | \$0       |              |      |      |      |           |           |             | \$0       |
| <b>Total</b>                                   |        | \$785,000 | \$0          | \$0  | \$0  | \$0  | \$155,000 | \$630,000 | \$0         | \$785,000 |

|                        |                          |    |   |    |   |    |   |    |   |    |         |    |         |    |   |    |         |
|------------------------|--------------------------|----|---|----|---|----|---|----|---|----|---------|----|---------|----|---|----|---------|
| <b>Funding Source:</b> | Capital Improvement Fund | \$ | - | \$ | - | \$ | - | \$ | - | \$ | 155,000 | \$ | 630,000 | \$ | - | \$ | 785,000 |
|                        | Assessment               | \$ | - | \$ | - | \$ | - | \$ | - | \$ | -       | \$ | -       | \$ | - | \$ | -       |
|                        | Loan                     | \$ | - | \$ | - | \$ | - | \$ | - | \$ | -       | \$ | -       | \$ | - | \$ | -       |
|                        | Grant                    | \$ | - | \$ | - | \$ | - | \$ | - | \$ | -       | \$ | -       | \$ | - | \$ | -       |

**Positive Aspects of Project:**

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

**Problems:**

**Notes:**

## 2018 Wastewater Capital Improvement - Project Summary

|                                     |  |            |                             |                        |  |
|-------------------------------------|--|------------|-----------------------------|------------------------|--|
| <b>Project :</b>                    | Utility Relocations  | 6402-60001 | Project Manager:            | <b>Date of Update:</b> | 2-Feb-18                                   |
| <b>Description:</b>                 | ODOT - Utility relocations for ODOT projects and roadway improvements. |            |                             | <b>Justificati</b>     | Petition<br>BOH<br>Master Plan<br>XL       |
| <b>Township</b>                     | Countywide   |            |                             | <b>Coordinates:</b>    | Capacity<br>Need<br>Consent Order<br>Other |
| <b>Annual Effect on Operations:</b> | N/A  | O&M/year   | <b>Resolutions:</b>         | <b>Construction:</b>   | <b>Bid Opening:</b>                        |
| <b>Easements Procured:</b>          | N/A  |            | RAGP<br>RADP<br>RON<br>RDTP |                        | <b>Contract Award:</b>                     |
| <b>Special Conditions:</b>          |  |            |                             |                        | <b>Contract Execution:</b>                 |
|                                     |  |            |                             |                        | <b>Notice to Proceed:</b>                  |

### Expenditure Plan

| Task   | Vendor                          | Planned   | Prior Yr CTD | 2018       | 2019       | 2020       | 2021       | 2022       | 2023-Beyond | Total      |
|--|---------------------------------|-----------|--------------|------------|------------|------------|------------|------------|-------------|------------|
| <b>Preliminary Engineering</b>                 |                                 | \$0       |              |            |            |            |            |            |             | \$0        |
| Date Complete:                                 |                                 |           |              |            |            |            |            |            |             |            |
| <b>Detail Plans</b>                            |                                 | \$0       |              |            |            |            |            |            |             | \$0        |
| Date Complete:                                 |                                 |           |              |            |            |            |            |            |             |            |
| <b>Land/Easements</b>                          |                                 | \$0       |              |            |            |            |            |            |             | \$0        |
| <b>Construction Engineering and Inspection</b> |                                 | \$0       |              |            |            |            |            |            |             | \$0        |
| <b>General Contractor</b>                      |                                 | \$600,000 |              | \$100,000  | \$100,000  | \$100,000  | \$100,000  | \$100,000  | \$100,000   | \$600,000  |
| <b>Misc</b>                                    |                                 | \$0       |              |            |            |            |            |            |             | \$0        |
| <b>Total</b>                                   |                                 | \$600,000 | \$0          | \$100,000  | \$100,000  | \$100,000  | \$100,000  | \$100,000  | \$100,000   | \$600,000  |
| <b>Funding Source:</b>                         | <b>Capital Improvement Fund</b> | \$ -      | \$ -         | \$ 100,000 | \$ 100,000 | \$ 100,000 | \$ 100,000 | \$ 100,000 | \$ 100,000  | \$ 600,000 |
|  | <b>Assessment</b>               | \$ -      | \$ -         | \$ -       | \$ -       | \$ -       | \$ -       | \$ -       | \$ -        | \$ -       |
|  | <b>Loan</b>                     | \$ -      | \$ -         | \$ -       | \$ -       | \$ -       | \$ -       | \$ -       | \$ -        | \$ -       |
|  | <b>Grant</b>                    | \$ -      | \$ -         | \$ -       | \$ -       | \$ -       | \$ -       | \$ -       | \$ -        | \$ -       |

**Positive Aspects of Project:**

  
  
  
  
  

**Problems:**

  
  
  
  
  

**Notes:**

## 2018 Wastewater Capital Improvement - Project Summary

|  |   |
|--|---|
| <b>Project :</b> Wards Corner Road Sewer Petition      6402-      Project Manager:      CR   | <b>Date of Update:</b> 2-Feb-18   |
| <b>Description:</b> Installation of approximately 1,950 feet of 8" sewer main and appurtenances along Wards Corner Road to benefit residents along Wards Corner Road from Willows Bend to Branch Hill Guinea Road. | <b>Justification:</b> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Petition</span><br>BOH<br>Master Plan<br>XL      Capacity Need<br>Consent Order<br>Other |
| <b>Township:</b> Miami   | <b>Coordinates:</b>   |
| <b>Annual Effect on Operations:</b> \$      250 O&M/year   | <b>Resolutions:</b> RAGP<br>RADP<br>RON<br>RDTP   |
| <b>Easements Procured:</b> No  |   |
| <b>Special Conditions:</b>   |   |
| <b>Construction:</b> Bid Opening:<br>Contract Award:<br>Contract Execution:<br>Notice to Proceed:  |   |

### Expenditure Plan

| Task  | Vendor | Planned          | Prior Yr CTD | 2018       | 2019       | 2020       | 2021       | 2022       | 2023-Beyond      | Total            |
|---|--------|------------------|--------------|------------|------------|------------|------------|------------|------------------|------------------|
| Preliminary Engineering<br>Date Complete:                     |        | \$0              |              |            |            |            |            |            |                  | \$0              |
| Detail Plans<br>Date Complete:                                |        | \$40,000         |              |            |            |            |            |            | \$40,000         | \$40,000         |
| Land/Easements  |        | \$20,000         |              |            |            |            |            |            | \$20,000         | \$20,000         |
| Construction Engineering and Inspection<br>General Contractor |        | \$0              |              |            |            |            |            |            |                  | \$0              |
|   |        | \$350,000        |              |            |            |            |            |            | \$350,000        | \$350,000        |
| Misc  |        | \$20,000         |              |            |            |            |            |            | \$20,000         | \$20,000         |
| <b>Total</b>  |        | <b>\$430,000</b> | <b>\$0</b>   | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$430,000</b> | <b>\$430,000</b> |

|                        |                          |    |   |    |   |    |   |    |   |    |   |    |         |    |         |
|------------------------|--------------------------|----|---|----|---|----|---|----|---|----|---|----|---------|----|---------|
| <b>Funding Source:</b> | Capital Improvement Fund | \$ | - | \$ | - | \$ | - | \$ | - | \$ | - | \$ | 70,000  | \$ | 70,000  |
|                        | Assessment               | \$ | - | \$ | - | \$ | - | \$ | - | \$ | - | \$ | 360,000 | \$ | 360,000 |
|                        | Loan                     | \$ | - | \$ | - | \$ | - | \$ | - | \$ | - | \$ | -       | \$ | -       |
|                        | Grant                    | \$ | - | \$ | - | \$ | - | \$ | - | \$ | - | \$ | -       | \$ | -       |

**Positive Aspects of Project:**  
Eliminates HSTS's and addresses a petition

**Problems:**  
Pending roadway improvements

**Notes:**

## 2018 Wastewater Capital Improvement - Project Summary

|  |   |
|--|---|
| <b>Project :</b> Wastewater Model Maintenance      6402-60144      Project Manager: CR             | <b>Date of Update:</b> 2-Feb-18   |
| <b>Description:</b><br>Annual contract to provide maintenance for the CCWRD Infoworks sewer model. | <b>Justificati</b><br>Petition<br>BOH<br>Master Plan<br>XL  |
| <b>Township</b> Countywide   | <b>Coordinates:</b>   |
| <b>Annual Effect on Operations:</b> \$ - O&M/year  | <b>Construction:</b> Bid Opening:<br>Contract Award:<br>Contract Execution:<br>Notice to Proceed: |
| <b>Easements Procured:</b> N/A   | <b>Resolutions:</b> RAGP<br>RADP<br>RON<br>RDTP   |
| <b>Special Conditions:</b>   |   |

Capacity  
Need  
Consent Order  
Other

### Expenditure Plan

| Task                                       | Vendor                          | Planned          | Prior Yr CTD   | 2018            | 2019            | 2020            | 2021       | 2022       | 2023-Beyond | Total            |
|--|---------------------------------|------------------|----------------|-----------------|-----------------|-----------------|------------|------------|-------------|------------------|
| Preliminary Engineering<br>Date Complete:  |                                 | \$0              |                |                 |                 |                 |            |            |             | \$0              |
| Detail Plans<br>Date Complete:             |                                 | \$100,000        | \$9,500        | \$40,500        | \$25,000        | \$25,000        |            |            |             | \$100,000        |
| Land/Easements                             |                                 | \$0              |                |                 |                 |                 |            |            |             | \$0              |
| Construction Engineering<br>and Inspection |                                 | \$0              |                |                 |                 |                 |            |            |             | \$0              |
| General Contractor                         |                                 | \$0              |                |                 |                 |                 |            |            |             | \$0              |
| Misc                                       |                                 | \$0              |                |                 |                 |                 |            |            |             | \$0              |
| <b>Total</b>                               |                                 | <b>\$100,000</b> | <b>\$9,500</b> | <b>\$40,500</b> | <b>\$25,000</b> | <b>\$25,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b>  | <b>\$100,000</b> |
| <b>Funding Source:</b>                     | <b>Capital Improvement Fund</b> | \$ 9,500         | \$ 40,500      | \$ 25,000       | \$ 25,000       | \$ -            | \$ -       | \$ -       | \$ -        | \$ 100,000       |
|  | Assessment                      | \$ -             | \$ -           | \$ -            | \$ -            | \$ -            | \$ -       | \$ -       | \$ -        | \$ -             |
|  | Loan                            | \$ -             | \$ -           | \$ -            | \$ -            | \$ -            | \$ -       | \$ -       | \$ -        | \$ -             |
|  | Grant                           | \$ -             | \$ -           | \$ -            | \$ -            | \$ -            | \$ -       | \$ -       | \$ -        | \$ -             |

**Positive Aspects of Project:**  
Provides for updating of the various modeled areas of the wastewater system

**Problems:**

**Notes:**  
Three contract starting in 2017.



## 2018 Wastewater Capital Improvement - Project Summary

|   |   |
|---|---|
| <b>Project :</b> Wastewater Stream Revetment      6402-60049      Project Manager:                                    | <b>Date of Update:</b> 2-Feb-18   |
| <b>Description:</b> Improvements to existing infrastructure to protect against damage from creeks and/or storm water. | <b>Justificati</b> Petition<br>BOH<br>Master Plan<br>XL<br><u>Capacity Need</u><br>Consent Order<br>Other                     |
| <b>Township</b> Countywide  | <b>Coordinates:</b>   |
| <b>Annual Effect on Operations:</b> \$      -      O&M/year   | <b>Construction:</b> <b>Bid Opening:</b><br><b>Contract Award:</b><br><b>Contract Execution:</b><br><b>Notice to Proceed:</b> |
| <b>Easements Procured:</b> No   |   |
| <b>Special Conditions:</b>  |   |
| <b>Resolutions:</b> RAGP<br>RADP<br>RON<br>RDTP   |   |

### Expenditure Plan

| Task                                      | Vendor                          | Planned          | Prior Yr CTD | 2018       | 2019            | 2020            | 2021            | 2022            | 2023-Beyond | Total            |         |
|---|---------------------------------|------------------|--------------|------------|-----------------|-----------------|-----------------|-----------------|-------------|------------------|---------|
| Preliminary Engineering<br>Date Complete: |                                 |                  |              |            |                 |                 |                 |                 |             | \$0              |         |
| Detail Plans<br>Date Complete:            | Stantec                         |                  |              |            |                 |                 |                 |                 |             | \$0              |         |
| Land/Easements                            |                                 |                  |              |            |                 |                 |                 |                 |             | \$0              |         |
| Construction Engineering and Inspection   |                                 |                  |              |            |                 |                 |                 |                 |             | \$0              |         |
| General Contractor                        |                                 | \$200,000        |              |            | \$50,000        | \$50,000        | \$50,000        | \$50,000        |             | \$200,000        |         |
| Misc                                      |                                 |                  |              |            |                 |                 |                 |                 |             | \$0              |         |
| <b>Total</b>                              |                                 | <b>\$200,000</b> | <b>\$0</b>   | <b>\$0</b> | <b>\$50,000</b> | <b>\$50,000</b> | <b>\$50,000</b> | <b>\$50,000</b> | <b>\$0</b>  | <b>\$200,000</b> |         |
| <b>Funding Source:</b>                    | <b>Capital Improvement Fund</b> | \$               | -            | \$         | -               | \$              | 50,000          | \$              | 50,000      | \$               | 200,000 |
|   | <b>Assessment</b>               | \$               | -            | \$         | -               | \$              | -               | \$              | -           | \$               | -       |
|   | <b>Loan</b>                     | \$               | -            | \$         | -               | \$              | -               | \$              | -           | \$               | -       |
|   | <b>Grant</b>                    | \$               | -            | \$         | -               | \$              | -               | \$              | -           | \$               | -       |

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

**Problems:**

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

**Notes:**

## 2018 Wastewater Capital Improvement - Project Summary

|                                     |  |          |                             |                            |  |
|-------------------------------------|--|----------|-----------------------------|----------------------------|--|
| <b>Project :</b>                    | Wastewater Treatment Plant Rehabilitation  | 6402-    | Project Manager:            | <b>Date of Update:</b>     | 2-Feb-18                                   |
| <b>Description:</b>                 | This work will include rehabilitation of existing portions of the treatment plants that have reached the end of their useful life. |          |                             | <b>Justificati</b>         | Petition<br>BOH<br>Master Plan<br>XL       |
| <b>Township</b>                     | Countywide   |          |                             | <b>Coordinates:</b>        | Capacity<br>Need<br>Consent Order<br>Other |
| <b>Annual Effect on Operations:</b> | \$ -   | O&M/year | <b>Resolutions:</b>         | <b>Construction:</b>       | <b>Bid Opening:</b>                        |
| <b>Easements Procured:</b>          | na   |          | RAGP<br>RADP<br>RON<br>RDTP | <b>Contract Award:</b>     |  |
| <b>Special Conditions:</b>          |  |          |                             | <b>Contract Execution:</b> |  |
|                                     |  |          |                             | <b>Notice to Proceed:</b>  |  |

### Expenditure Plan

| Task                                    | Vendor                   | Planned            | Prior Yr CTD | 2018             | 2019       | 2020             | 2021             | 2022             | 2023-Beyond      | Total              |
|---|--------------------------|--------------------|--------------|------------------|------------|------------------|------------------|------------------|------------------|--------------------|
| Preliminary Engineering                 |                          | \$0                |              |                  |            |                  |                  |                  |                  | \$0                |
| Date Complete:                          |                          |                    |              |                  |            |                  |                  |                  |                  |                    |
| Detail Plans                            |                          | \$0                |              |                  |            |                  |                  |                  |                  | \$0                |
| Date Complete:                          |                          |                    |              |                  |            |                  |                  |                  |                  |                    |
| Land/Easements                          |                          | \$0                |              |                  |            |                  |                  |                  |                  | \$0                |
| Construction Engineering and Inspection |                          | \$0                |              |                  |            |                  |                  |                  |                  | \$0                |
| General Contractor                      |                          | \$2,000,000        |              | \$400,000        |            | \$400,000        | \$400,000        | \$400,000        | \$400,000        | \$2,000,000        |
| Misc                                    |                          | \$0                |              |                  |            |                  |                  |                  |                  | \$0                |
| <b>Total</b>                            |                          | <b>\$2,000,000</b> | <b>\$0</b>   | <b>\$400,000</b> | <b>\$0</b> | <b>\$400,000</b> | <b>\$400,000</b> | <b>\$400,000</b> | <b>\$400,000</b> | <b>\$2,000,000</b> |
| <b>Funding Source:</b>                  | Capital Improvement Fund | \$ -               | \$ -         | \$ 400,000       | \$ -       | \$ 400,000       | \$ 400,000       | \$ 400,000       | \$ 400,000       | \$ 2,000,000       |
|   | Assessment               | \$ -               | \$ -         | \$ -             | \$ -       | \$ -             | \$ -             | \$ -             | \$ -             | \$ -               |
|   | Loan                     | \$ -               | \$ -         | \$ -             | \$ -       | \$ -             | \$ -             | \$ -             | \$ -             | \$ -               |
|   | Grant                    | \$ -               | \$ -         | \$ -             | \$ -       | \$ -             | \$ -             | \$ -             | \$ -             | \$ -               |

**Positive Aspects of Project:**

  
  
  

**Problems:**

  
  
  

**Notes:**