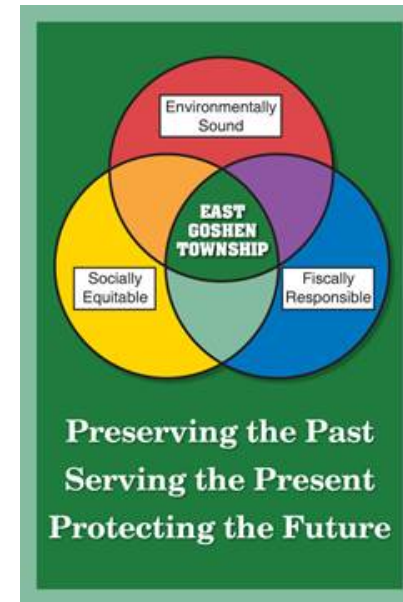


East Goshen Township

2018-2022 Capital Improvement Program



TO BE PRESENTED TO THE BOARD OF SUPERVISORS ON NOVEMBER 14, 2017

2018-2022 Capital Improvement Program Summary-Sinking Fund



Expenses*

Category	2018	2019	2020	2021	2022
Administration (Office, Buildings & Structures)	\$444,500	\$12,500	\$39,500	\$12,500	\$12,500
Public Works	\$413,000	\$129,000	\$431,000	\$274,000	\$160,000
Park	\$47,000	\$221,512	\$55,849	\$55,849	\$0
Paoli Pike Trail	\$1,160,137	\$1,769,000	\$2,403,000	\$1,043,000	\$0
Dams	\$1,183,000	\$447,952	\$1,520,178	\$0	\$0
Total	\$3,247,637	\$2,579,964	\$4,449,527	\$1,385,349	\$172,500

*Reflects gross costs, excluding awarded or pending grants

*Does not include sewer assets (see p11-12) or the Transportation Fund (see p10)



2018-2022 Capital Improvement Program Summary-Sinking Fund



Sources of Funds-Includes Sewer, Transportation and Township projects/assets

Category	2018	2019	2020	2021	2022
Sinking Fund	\$867,500	\$358,012	\$521,349	\$342,349	\$172,500
Grants	\$257,500	\$1,360,000	\$2,903,000	\$1,043,000	-
Series 2017 Bonds	\$2,492,826*	\$3,005,453	\$1,025,178	-	-
Sewer Sinking Fund	\$133,500	\$130,000	\$125,000	\$125,000	\$125,000
Transportation Fund	\$357,500	\$386,415	-	-	-
Municipal Authority	-*	\$292,467	-	-	-
Total	\$4,108,826	\$5,532,347	\$4,574,527	\$1,510,349	\$297,500

* Does not match budget; excludes 2017 projects that will not be paid until 2018, per old agreement with West Goshen.



2018-2022 Capital Improvement Program

Administration/Office Capital Expenses



Category	2018	2019	2020	2021	2022
Computer replacement	\$12,500	\$12,500	\$12,500	\$12,500	\$12,500
Security System replacement	-	-	\$27,000	-	-
Server replacement	\$12,000	-	-	-	-
Total Administration/Office Capital	\$24,500	\$12,500	\$39,500	\$12,500	\$12,500
Administration/Office - PAYG	\$24,500	\$12,500	\$39,500	\$12,500	\$12,500
Administration/Office – Financed	-	-	-	-	-
NEW- Administration/Office	-	-	-	-	-
REPLACEMENT- Administration/Office	\$24,500	\$12,500	\$39,500	\$12,500	\$12,500

Notes:

- 6 PCs and 1 laptop in 2018
- Server will be 7 years old in 2018
- Security system will be 15 years old in 2020



2018-2022 Capital Improvement Program

Building & Structures Capital Expenses



Category	2018	2019	2020	2021	2022
Vehicle Wash Bay	\$385,000	-	-	-	-
Storefront	\$35,000				
Total Administration/Bldg & Structures	\$420,000	-	-	-	-
Administration/Bldg & Structures – PAYG	\$420,000	-	-	-	-
Administration/Bldg & Structures – Financed	-	-	-	-	-
NEW- Administration/Bldg & Structures	\$420,000	-	-	-	-
REPLACEMENT- Administration/Bldg & Structures	-	-	-	-	-

Notes:

- **Vehicle Wash Bay** needed as PW has no way of washing vehicles without draining into stormwater system. Needed for environmental/MS4 purposes. Carryover from 2017.
- **Storefront** is a carryover from 2017. The existing storefront is at the end of its useful life. The storefront has never been depreciated; therefore it is treated as a new asset rather than a replacement asset.



2018-2022 Capital Improvement Program

Public Works Expenses

Category	2018	2019	2020	2021	2022
Dump Truck	-	-	\$160,000	\$160,000	160,000
Street Sweeper	\$145,000	-	-	-	
Pick-Up Truck	\$45,000	\$35,000	-	\$96,000	-
Trailer	-	\$9,000	\$12,000	-	-
Loader		-	\$11,000	-	-
Mowers	\$20,000	\$8,000	\$17,000	\$18,000	-
Tar Buggy	-	\$12,000	-	-	-
Skid Steer/Mill Head	-	-	\$72,000	-	-
Forklift	-	-	\$15,000	-	-
Paver	\$115,000	-	-	-	-
Trailer	-	\$9,000	\$12,000		
Jetter/Vacuum	-	-	\$35,000	-	-
Mini-Excavator	-	-	\$50,000	-	-
Roller	\$50,000	-	-	-	-
SUV (Explorer)	\$38,000	-	-	-	-
Chipper	-	-	\$47,000	-	-
Tractor/Mower	-	56,000	-	-	-
Total Public Works	\$413,000	\$129,000	\$431,000	\$274,000	\$160,000
Public Works Capital PAYG	\$413,000	\$129,000	\$431,000	\$274,000	\$160,000
Public Works Capital Financed	-	-	-	-	
NEW- Public Works Capital	-	-	-	-	
REPLACEMENT- Public Works Capital	\$413,000	\$129,000	\$431,000	\$274,000	\$160,000

2018-2022 Capital Improvement Program

Park Expenses (excludes Trail)



Category	2018	2019	2020	2021	2022
Picnic Grove/Gazebo	\$10,000	-	-	-	
Signage	-	\$12,500	-	-	
Amphitheater Improvements	\$25,000	\$108,675	-	-	
Area around playground	-	\$100,337	-	-	
Misc. mid-term improvements	-	-	\$55,849	\$55,849	
Park security cameras	\$12,000	-	-	-	
Total Park Capital	\$47,000	\$221,512	\$55,849	\$55,849	
Park Capital PAYG	\$10,000	\$216,512	\$50,849	\$55,849	
Series 2017 Bond Proceeds	\$37,000	\$5,000	\$5,000	-	
NEW- Park Capital	\$47,000	\$221,512	\$55,849	\$55,849	
REPLACEMENT- Park capital	-	-	-	-	

- All projects identified in 2016 Parks Master Plan
- Amphitheater improvements reflect ADA costs in 2018 and bandshell in 2019
- Misc. mid-term improvements include internal trail improvements, bleachers, basketball courts, benches, pavilion improvements, and tree plantings



2018-2022 Capital Improvement Program

Paoli Pike Trail



Category	2018	2019	2020	2021	2022
Segment A-B Engineering	\$400,000	\$409,000	-	-	-
Segment A-B Construction	-	-	\$1,043,000	\$1,043,000	-
Segment C Engineering	\$324,708	-	-	-	-
Segment C Construction	-	\$492,000	\$492,000	-	-
Segment D-E Engineering	\$435,429	-	-	-	-
Segment D-E Construction	-	\$868,000	\$868,000	-	-
Total Trails Capital	\$1,160,137	\$1,769,000	\$2,403,000	\$1,043,000	-
Net of Grants	-	-\$1,360,000	-\$2,403,000	-\$1,043,000	-
Series 2017 GO Bonds	\$1,160,137	\$409,000	-	-	-

Notes:

- Assumes Segments A-B Construction are 100% grant funded. No funding source has been identified for Segments A-B Construction.
- Segments F-G expected to be completed in 2017.
- No specific projects are planned for the Paoli Pike Corridor Master Plan, as that plan has not yet been reviewed/approved by the BOS.



2018-2022 Capital Improvement Program

Hershey's Mill & Milltown Dams



Category	2018	2019	2020	2021	2022
Milltown Engineering (Breach)	\$50,000	-	-	-	-
Milltown Construction (Breach)	\$678,000	-	-	-	-
Milltown Land Improvement Engineering	-	\$258,360	-	-	-
Milltown Land Improvement Construction	-	-	\$1,304,972*	-	-
Hershey's Mill Engineering (Breach)	\$25,000	-	-	-	-
Hershey's Mill Construction (Breach)	\$430,000	-	-	-	-
Hershey's Mill Land Improv. Engin	-	\$189,592	-	-	-
Hershey's Mill Land Improv. Construct	-	-	\$215,206	-	-
Total Dam Capital	\$1,183,000	\$447,952	1,520,178	-	-
Net of Grants	-	-	-\$500,000	-	-
Series 2017 GO Bonds	\$1,183,000	\$447,952	\$1,020,178	-	-

Notes:

- Milltown Land Improvement cost offset by \$500,000 in pending grant award. Net Land improvement construction cost is therefore \$804,972.

2018-2022 Capital Improvement Program Transportation Fund



Category	2018	2019	2020	2021	2022
Adaptive Signals-Route 3	\$515,000				
Lane widening Boot Rd	100,000	-	-	-	
Improvements and King Road & Rte 352	-	\$386,415*	-	-	
Total Transportation Fund	\$615,000	\$386,415	-	-	
Net of Grants	-\$257,500				
Total Non-Impact Fee	\$357,500	\$386,415	-	-	
Total Impact Fee	-	-	-	-	

Notes:

- **Adaptive Signals Route 3**—Inter-municipal project involving West Goshen, East Goshen and Westtown, offset by \$257,500 in PennDOT Go Green Grant funds; carryover from 2016 and 2017.
- **Restriping (cost shared with West Goshen)** will improve egress of commuter traffic from corporate parks, while ensuring a safe intersection for St Peter and Paul; a carryover from 2016 and 2017.
- **Improvements at King Road & Rte 352 (cost shared with East Whiteland)** will allow for easier turns from Rte 352 onto King Rd and reduce back-ups during peak hours. *Note that the anticipated price for this project is not yet known, but our share of the price is likely to exceed \$386,415. \$386,415 represents the expected non-impact fee fund balance of the Transportation Fund as of 1/1/19.



2018-2022 Capital Improvement Program

Sewer Sinking & Municipal Authority (Except West Goshen Upgrades)



Category	2018	2019	2020	2021	2022
Sewer Camera with Trailer	-	\$120,000	-	-	
Variable Frequency Drive (HM P/S)	\$14,000	-	-	-	
Wet-well Pump (Ashbridge P/S)	\$20,000	-	-	-	
Muffin Monster and Safety-Related Improvements (Ashbridge (P/S)	\$89,500				
SBR Tank Rehab			\$125,000	\$125,000	\$125,000
Flow meter	\$10,000	\$10,000	-	-	
Total Sewer Capital	\$133,500	\$130,000	\$125,000	\$125,000	\$125,000
Municipal Authority			\$125,000	\$125,000	\$125,000
Sewer Sinking Fund	\$133,500	\$130,000			

Notes

- Muffin Monster and Safety-Related improvements at Ashbridge Pump Station will address safety and pump efficiency concerns at this pump station, which has a 20 foot drop from ground level. About 60% of these costs are borne by East and West Whiteland
- A new flow meter along Line Road connecting to the Ridley Creek STP will allow us to measure I&I in that system. Currently, the only RC flow meters are at the plant.
- Hershey Mill and Ashridge Pump Station Assets replace existing assets.
- Sewer Camera with Trailer (2019) would replace the existing 2001 camera.
- Sequence Batch Reactor Tanks (4 total) need rehab to prevent further compromise to structural integrity. Plan is to rehab one per year through 2023, at a total cost of \$500,000.



2018-2022 Capital Improvement Program



Upgrades at West Goshen STP East Goshen Municipal Authority's Share Only

Category	2018	2019	2020	2021	2022
Westtown Way Pump Station		\$1,095,900			
Sanitary Sewer Improvements	\$42,675	\$42,675			
WWTP Phase II Improvements		\$1,227,379*			
Misc. Capital Expenses	\$70,014	\$70,014			
Total EGMA share of WGSA projects	\$112,689	\$2,435,968			
Series 2017 Bond Proceeds	\$112,689	\$2,143,501			
Municipal Authority PAYG		\$292,467			

The following West Goshen projects are or will be completed by 12/31/17:

- Emergency Generator: \$126,775
 - Headworks: \$445,145**
 - Anaerobic Digester: \$997,225
 - Westtown Way P/S Phase I: \$118,928**
 - Enhanced Chemical Addition (net of grant): \$61,679
 - 2017 Sanitary Sewer Repairs: \$154,043
 - Misc. Capital, Engineering, Legal Expenses: \$70,014
- = \$1,973,809

* If the Co-Mag project is not necessary, this project cost should fall by ~40%

** Note that per the inter-municipal agreement, these projects completed in 2017 will not be invoiced until April 2018. Therefore the 2018 budgeted expenses are different than the CIP for this category. In addition, the remaining proceeds from the 2013 MA notes will pay for the balance of the 2017 costs before the Series 2017 bond proceeds are accessed.

