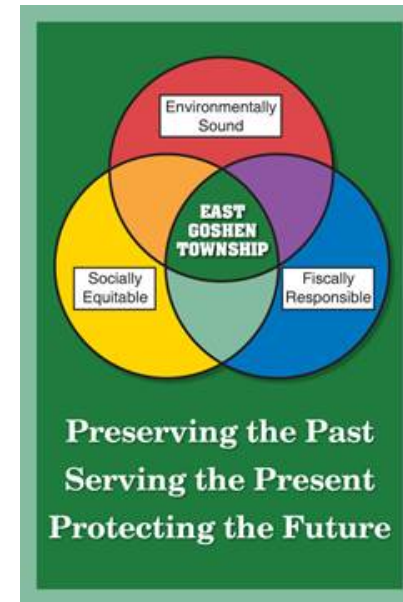


East Goshen Township

2019-2023 Capital Improvement Program



TO BE PRESENTED TO THE BOARD OF SUPERVISORS ON NOVEMBER 13, 2018

2019-2023 Capital Improvement Program Summary



Expenses*

Category	2019	2020	2021	2022	2023
Administration (Office, Buildings & Structures)	\$168,000	\$39,000	\$12,000	\$12,000	\$12,000
Public Works	216,500	\$358,000	\$274,000	\$160,000	-
Park	-	\$169,512	\$55,849	-	-
Paoli Pike Trail	\$1,406,938	\$1,821,081	\$2,055,333	\$695,333	\$695,334
Dams	\$575,490	\$2,198,178	-	-	
Total	\$2,366,928	\$4,585,771	\$2,397,182	\$867,333	\$707,334

*Reflects **gross** costs, excluding awarded or pending grants

*Does not include sewer assets (see p11-13) or the Transportation Fund (see p10)



2019-2023 Capital Improvement Program

Summary-Capital Reserve Fund



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

Category	2019	2020	2021	2022	2023
Capital Reserve Fund	\$384,500	\$397,000	\$286,000	\$172,000	\$12,000
Grants*	\$357,500	\$2,989,756	\$2,083,258	\$695,333	\$695,334
Series 2017 Bonds	\$4,290,040	\$1,601,574	\$27,924		
Sewer Cap Reserve Fund	\$100,000				
Transportation Fund	\$317,500	\$433,906			
Municipal Authority	\$578,500	\$302,000	\$191,000	\$191,000	\$191,000
TOTAL	\$6,028,040	\$5,724,236	\$2,588,182	\$1,058,333	\$898,334

- **Note:** Because the grants can't be comingled with bond proceeds, the cost of construction of the dam-parks and the trail will be borne initially by the Capital Reserve Fund. The grants will be deposited in the Capital Reserve Fund. Upon project completion, the Bond Fund will then reimburse the Capital Reserve Fund for its costs, net of grants received. **Therefore, these numbers will not match the budget figures.**
- In addition, for sewer assets/projects, this table does not reflect transfers from the Sewer Operating Fund or the Sewer Capital Reserve Fund to the Municipal Authority to pay for these capital costs.



2019-2023 Capital Improvement Program

Administration/Office Capital Expenses



Category	2019	2020	2021	2022	2023
Computer replacement	\$12,000	\$12,000	\$12,000	\$12,000	\$12,000
Security System replacement	-	\$27,000	-	-	-
Server replacement	-	-	-	-	-
Total Administration/Office Capital	\$12,000	\$39,000	\$12,000	\$12,000	\$12,000
Administration/Office - PAYG	\$12,000	\$39,000	\$12,000	\$12,000	\$12,000
Administration/Office – Financed	-	-	-	-	-
NEW- Administration/Office	-	-	-	-	-
REPLACEMENT- Administration/Office	\$12,000	\$39,000	\$12,000	\$12,000	\$12,000

Notes:

- 5 PCs in 2019
- Security system will be 15 years old in 2020



2019-2023 Capital Improvement Program

Building & Structures Capital Expenses



Category	2019	2020	2021	2022	2023
Township Building Roof	\$125,000	-	-	-	-
Radio Booster	\$31,000	-	-	-	-
Total Administration/Bldg & Structures	\$156,000	-	-	-	-
Administration/Bldg & Structures – PAYG	\$156,000	-	-	-	-
Administration/Bldg & Structures – Financed	-	-	-	-	-
NEW- Administration/Bldg & Structures	\$31,000	-	-	-	-
REPLACEMENT- Administration/Bldg & Structures	\$125,000	-	-	-	-

Notes:

- **Township building roof** is original to building (1993)
- **Radio booster** needed to comply with potential Township ordinance change, promoting public safety in event of serious emergency.





2019-2023 Capital Improvement Program

Public Works Expenses

Category	2019	2020	2021	2022	2023
Dump Truck	-	\$250,000**	\$160,000	160,000	
Pick-Up Truck	\$65,000	-	\$96,000	-	
Trailer	\$9,000	\$12,000	-	-	
Loader	-	\$110,000	-	-	
Gator ATV	\$14,000				
Mowers	\$18,000	\$17,000	\$18,000	-	
Tar Buggy	\$12,000	-	-	-	
Skid Steer/Mill Head	-	\$72,000	-	-	
Forklift	-	\$15,000	-	-	
Floor machine*	\$9,000	-	-	-	
Sewer camera (portion for storm sewer TVing)	\$25,000				
Gas-fired power washer*	\$8,500				
Jetter/Vacuum	-	\$35,000	-	-	
Mini-Excavator	-	\$50,000	-	-	
Chipper	-	\$47,000	-	-	
Tractor/Mower	56,000	-	-	-	
Total Public Works	\$216,500	\$358,000	\$274,000	\$160,000	
Public Works Capital PAYG	\$216,500	\$358,000	\$274,000	\$160,000	
Public Works Capital Financed	-	-	-		
NEW- Public Works Capital	\$47,500	\$30,000	-		
REPLACEMENT- Public Works Capital	\$169,000	\$328,000	\$274,000	\$160,000	

- The 2019 gas-fired power washer (for washbay) and the floor machine replace existing assets, but that had not been depreciated.
 - The 2019 pick-up trucks include one replacement Ranger-style truck for existing inspector and one new truck for new fire inspector.
- ** 2020 Dump Truck includes one replacement in kind (\$160,000) and one upgrade of a pick-up truck (F350) to a small dump truck (eg F550) (\$90,000, of which \$30,000 would be a “new asset”) to allow easier dump truck access in narrow passages and/or on grass without damaging lawns

2019-2023 Capital Improvement Program

Park Expenses (excludes Trail & Dams)



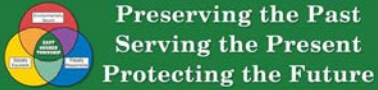
Category	2019	2020	2021	2022	2023
Amphitheater Improvements	-	\$108,675	-		
Area around playground	-	\$60,837	-		
Misc. mid-term improvements	-	-	\$55,849		
Total Park Capital	-	\$169,512	\$55,849		
Park Capital PAYG	-	-	-		
Future Grants	-	\$84,756	\$27,925		
Series 2017 Bond Proceeds	-	\$84,756	\$27,924		
NEW- Park Capital	-	\$169,512	\$55,849		
REPLACEMENT- Park capital	-	-	-		

- All projects identified in 2016 Parks Master Plan
- Amphitheater improvements reflect ADA improvements and bandshell
- Misc. mid-term improvements include internal trail improvements, bleachers, basketball courts, benches, pavilion improvements, and tree plantings
- Projects subject to available grant funding. No plans to undertake them without grant support.



2019-2023 Capital Improvement Program

Paoli Pike Trail



Category	2019	2020	2021	2022	2023
Appraisals/ROW/Easements	\$300,000				
Segment A-B Engineering	\$461,080	\$461,081	-	-	
Segment A-B Construction	-	-	\$695,333	\$695,333	\$695,334
Segment C Engineering	-	-	-	-	
Segment C Construction	-	\$492,000	\$492,000	-	
Segment D-E Engineering	\$545,858	-	-	-	
Segment D-E Construction	-	\$868,000	\$868,000	-	
Segment F-G Construction	\$100,000				
Total Trails Capital	\$1,406,938	\$1,821,081	\$2,055,333	\$695,333	\$695,334
Grants	\$100,000*	\$1,360,000	\$1,360,000	-	
Series 2017 GO Bonds	\$1,306,938	\$461,081	-	-	
Future grants and/or unidentified			\$695,333	\$695,333	\$695,334

Notes:

- * 2019 Segments F-G grants (\$100,000) does not equal budgeted amount of \$253,000, as actual grants will also reflect reimbursable engineering expenses incurred prior to 2019
- 2021 grants reflect TAP & CMAQ for Segments C-E construction
- No firm funding source has been identified for Segments A-B Construction.
- Figures do not include Paoli Pike Corridor Master Plan improvements.



2019-2023 Capital Improvement Program

Hershey's Mill & Milltown Dams



Category	2019	2020	2021	2022	2023
Milltown Engineering	\$145,490	-	-	-	
Milltown Construction	-	\$1,982,972	-	-	
Hershey's Mill Engineering (completed in 2018)	-	-	-	-	
Hershey's Mill Construction	\$430,000	\$215,206	-	-	
Total Dam Capital	\$575,490	\$2,198,178	-	-	-
Grants	-	\$1,545,000	-	-	
Series 2017 GO Bonds*	\$575,490	\$653,178	-	-	

Notes:

- Because the grants can't be comingled with bond proceeds, the cost of construction of the dam-parks will be borne initially by the Capital Reserve Fund. The grants will be deposited in the Capital Reserve Fund. Upon project completion, the Bond Fund will then reimburse the Capital Reserve Fund for its costs, net of grants received. **Therefore, these numbers will not match the budget figures.**

2019-2023 Capital Improvement Program Transportation Fund



Category	2019	2020	2021	2022	2023
Adaptive Signals-Route 3	\$515,000	-			
Traffic Signal at West Entrance of Park	\$60,000	-	-	-	
Improvements and King Road & Rte 352	-	\$433,906*	-	-	
Total Transportation Fund	\$575,000	\$433,906	-	-	
Net of Grants	\$257,500	See note*			
Total Non-Impact Fee	\$317,500	\$433,906	-	-	
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, 2017 & 2018. Construction expected to be complete in Feb 2019.
- **Traffic signal at West Entrance of Park** to improve pedestrian safety at park
- **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 1/1/20 and may be offset by not-yet-identified grant funds.



2019-2023 Capital Improvement Program



Sewer & Municipal Authority

(Except West Goshen Upgrades)

Category	2019	2020	2021	2022	2023
Sewer Camera with Trailer (R & Sewer Cap Resv Fund)	\$100,000	-	-		
Hershey's Mill P/S Generator (R)	\$125,000	-	-		
Hunt Country P/S Mag Meter (R)	\$15,000	-	-		
Hunt Country Muffin Monster (R)	\$67,000				
Ridley Creek STP Generator (R)	\$150,000				
Relining AC sewer lines and brick man holes (N)	\$130,000	\$130,000	\$130,000	\$130,000	\$130,000
Barkway P/S Muffin Monster (N & grants/Whitelands)	\$67,000				
Hunt Country P/S Bypass Pump (N)	\$5,000				
Ridley Creek Flow Meter (N)	\$12,000	\$12,000			
Ridley Creek STP Air Spacer (N)	\$7,500	-	-		
Ridley Creek Caustic Soda Project (N)		\$160,000			
Ridley Creek SBR Tank Lining (N)			\$61,000	\$61,000	\$61,000
Total Sewer Capital	\$678,500	\$302,000	\$191,000	\$191,000	\$191,000
Municipal Authority	\$578,500	\$302,000	\$191,000	\$191,000	\$191,000
Sewer Capital Reserve Fund	\$100,000				

(R=replacement; N=new)



2019-2023 Capital Improvement Program



Sewer & Municipal Authority (Except West Goshen Upgrades)

Justification for New Assets

- **Relining brick manholes and asbestos cement sewer lines** was identified three years ago as a long term maintenance priority for pre-mid-1970s sewer assets, which are at the end of their useful life.
- **Muffin Monster and Safety-Related improvements at Barkway 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. In addition, the Municipal Authority received a DCED grant for \$32,307 for this project.
- **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.
- **Sequence Batch Reactor Tank Lining** (4 total, 2021-2024) project reflects recoating hairline fractures in tanks from water line to top of tanks. These costs are substantially lower than was anticipated last year, as there is no damage below the water line.
- **Ridley Creek STP Air Splitter** for control room to prevent overheating & equipment damage
- **Ridley Creek Caustic Soda project** to improve worker safety and efficiency at the plant. Currently, caustic soda is manually poured into tanks.
- **Hunt Country Pump Station Bypass Pump Connection** needed to allow for bypass pumping.

2019-2023 Capital Improvement Program



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

Category	2019	2020	2021	2022	2023
WWTP Phase II Improvements	\$1,311,712				
Westtown Way P/S Improvements	\$1,095,900				
Misc. Sanitary Sewer Improvements		\$192,517			
Misc Capital, Engineering, Legal and Admin Fees		\$210,042			
Total EGMA share of WGSA projects	\$2,407,612	\$402,559			
Series 2017 Bond Proceeds	\$2,407,612	\$402,559			

- Projected completion anticipated by December 31, 2020

