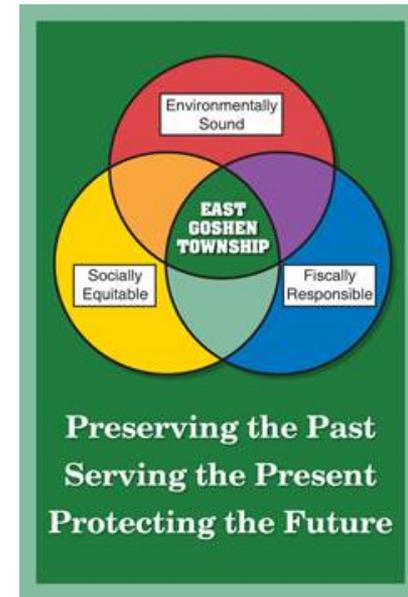


East Goshen Township

2017-2021 Capital Improvement Program



TO BE PRESENTED TO THE BOARD OF SUPERVISORS ON NOVEMBER 1, 2016

2017-2021 Capital Improvement Program Summary-Sinking Fund



Expenses*

Category	2017	2018	2019	2020	2021
Administration (Office, Buildings & Structures)	\$190,100	\$24,500	\$262,500	\$39,500	\$12,500
Public Works	\$266,100	\$220,000	\$373,500	\$331,500	\$228,000
Parks	\$167,685	\$682,755	\$221,762	\$55,849	\$55,849
Paoli Pike Trail	\$1,138,693	\$825,783	\$1,663,000	\$2,403,000	\$1,043,000
Dams	\$104,375	\$866,866	\$150,000	-	-
Total	\$1,866,953	\$2,619,904	\$2,670,762	\$2,829,849	\$1,339,349

* Reflects gross costs, excluding awarded or pending grants



2017-2021 Capital Improvement Program

Administration/Office Capital Expenses



Category	2017	2018	2019	2020	2021
Computer replacement	\$13,300	\$12,500	\$12,500	\$12,500	\$12,500
Security System replacement	-	-	-	\$27,000	-
Server replacement	-	\$12,000	-	-	-
Total Administration/Office Capital	\$13,300	\$24,500	\$12,500	\$39,500	\$12,500
Administration/Office - PAYG	\$13,300	\$24,500	\$12,500	\$39,500	\$12,500
Administration/Office – Financed	-	-	-	-	-
NEW- Administration/Office	-	-	-	-	-
REPLACEMENT- Administration/Office	\$13,300	\$24,500	\$12,500	\$39,500	\$12,500

Notes:

- 5 PCs and 2 laptops in 2017
- Server will be 7 years old in 2018
- Security system will be 15 years old in 2020



2017-2021 Capital Improvement Program

Building & Structures Capital Expenses



Category	2017	2018	2019	2020	2021
Storefront	\$20,000	-	-	-	-
Fire Alarm System	\$25,000	-	-	-	-
Public Works Garage Doors	\$11,800	-	-	-	-
Vehicle Wash Bay	\$120,000	-	-	-	-
Total Administration/Bldg & Structures	\$176,800	-	-	-	-
Administration/Bldg & Structures – PAYG	\$176,800	-	-	-	-
Administration/Bldg & Structures – Financed	-	-	-	-	-
NEW- Administration/Bldg & Structures	\$176,800	-	-	-	-
REPLACEMENT- Administration/Bldg & Structures	-	-	-	-	-

Notes:

- **Storefront** and **PW garage doors** are original to the building and could cause damage to building if not replaced. Treated as “new asset” because they have not been depreciated.
- **Fire Alarm** is 25 years old and has been going off intermittently for the past 6 months. Treated as “new asset” because it has not been depreciated.
- **Vehicle Wash Bay** needed as PW has no way of washing vehicles without draining into stormwater system. Needed for environmental/MS4 purposes.
- **Roofs** were installed in 1993 and suffered minor hail damage in 2014.





2017-2021 Capital Improvement Program

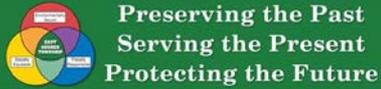
Public Works Expenses

Category	2017	2018	2019	2020	2021
Dump Truck	-	-	\$140,000	\$140,000	-
Air Compressor	\$9,000	-	-	-	-
Street Sweeper	-	\$100,000	-	-	-
Pick-Up Truck	\$47,600	\$45,000	\$67,000	-	\$96,000
Trailer	-	-	-	\$7,500	\$14,000
Iron Worker	\$9,500				
Mowers	\$14,000	\$25,000	\$8,000	\$17,000	\$18,000
Tar Buggy	-	-	\$12,000	-	-
Brine Tank (carryover from 2016)	\$10,000	-	-	-	-
Skid Steer/Mill Head	-	-	\$88,500	-	-
Sewer Televising System	-	-	-	\$148,000	
Mini-Excavator	-	-	-	-	\$40,000
Roller	-	\$50,000	-	-	-
Backhoe	\$120,000	-	-	-	-
Chipper	-	-	-	\$19,000	
Tractor/Mower	\$56,000	-	\$58,000	-	\$60,000
Total Public Works	\$266,100	\$220,000	\$373,500	\$331,500	\$228,000
Public Works Capital PAYG	\$266,100	-	-	-	-
Public Works Capital Financed	-	-	-	-	-
NEW- Public Works Capital	\$19,500	-	-	-	-
REPLACEMENT- Public Works Capital	\$246,600	\$220,000	\$373,500	\$331,500	\$228,000

Notes: All Public Works assets are replacements, except Brine Tank, which is for dump truck purchased in 2015, but out-of-stock at the time of purchase. New Brine Tank will allow four trucks to be on roads during storm events. 11/1/16

2017-2021 Capital Improvement Program

Parks Expenses (excludes Trail)



Category	2017	2018	2019	2020	2021
Tennis court resurfacing	\$32,175	-	-	-	-
Playground	\$93,305	\$622,035	-	-	-
Picnic Grove	\$42,205	-	-	-	-
Signage	-	\$14,720	-	-	-
Amphitheater	-	\$25,300	\$108,675	-	-
Sports fields	-	\$20,700	-	-	-
Area around playground	-	-	\$100,337	-	-
Misc. mid-term improvements	-	-	-	\$55,849	\$55,849
Park security cameras	-	-	\$12,750	-	-
Total Parks Capital	\$167,685	\$682,755	\$221,762	\$55,849	\$55,849
Parks Capital PAYG/Grant Funded	\$99,930	\$341,378	\$117,256	\$27,925	\$27,925
Parks Capital Financed	\$67,755	\$341,378	\$104,506	\$27,925	\$27,925
NEW- Parks Capital	\$135,510	\$682,755	\$221,762	\$55,849	\$55,849
REPLACEMENT- Parks capital	\$32,175	-	-	-	-



2017-2021 Capital Improvement Program

Parks Expenses-Cont.



Notes

- Tennis courts--resurfacing of 3 front courts only, and repurposing back three courts. The extent of the damage to the back courts was greater than expected and the analysis of tennis courts usage suggests that three courts is optimal.
- Playground security camera was budgeted for 2016; however, it makes sense to delay this until the playground upgrade is completed.
- Other Parks projects are outlined in the Parks Master Plan adopted March 1, 2016.
 - Playground expenses reflect engineering in 2017 and construction in 2018.
 - Amphitheater expenses reflect ADA costs in 2018 and bandshell in 2019.
 - Misc. park improvements include internal trail improvements, bleachers, basketball courts, benches, pavilion improvements & trees.
- \$225,000 was awarded on 10/24/16 for the playground renovation from DCED-GTRP, with one grant application is pending (DCNR-C2P2). We will continue to explore grant opportunities as they arise.
- Expectation that 50% of total improvements will be financed, with the remainder paid from grants and/or fund balance.



2017-2021 Capital Improvement Program

Paoli Pike Trail



Category	2017	2018	2019	2020	2021
Segment A-B Engineering	\$303,000	\$303,000	\$303,000	-	-
Segment A-B Construction	-	-	-	\$1,043,000	\$1,043,000
Segment C Engineering	\$237,354	\$237,354	-	-	-
Segment C Construction	-	-	\$492,000	\$492,000	-
Segment D-E Engineering	\$285,429	\$285,429	-	-	-
Segment D-E Construction	-	-	\$868,000	\$868,000	-
Segment F-G Engineering	\$112,900	-	-	-	-
Segment F-G Construction	\$200,000	-	-	-	-
Total Trails Capital	\$1,138,683	\$825,783	\$1,663,000	\$2,403,000	\$1,043,000
Parks Capital PAYG/Grant Funded	\$569,341	\$412,892	\$831,500	\$1,201,500	\$521,500
Parks Capital Financed	\$569,342	\$412,891	\$831,500	\$1,201,500	\$521,500

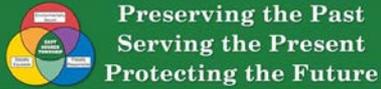
Notes:

- Costs based on Trail Feasibility Study & Master Plan and/or actual contract costs for engineering.
- Township has received \$2.89 million in grant commitments, with two applications pending.
- Expectation that 50% of improvements will be financed, with the remainder paid from grants.



2017-2021 Capital Improvement Program

Hershey's Mill & Milltown Dams



Category	2017	2018	2019	2020	2021
Milltown Engineering	\$56,764	-	-	-	-
Milltown Construction	-	\$700,000	-	-	-
Milltown Land Improvements			\$100,000		
Hershey's Mill Engineering	\$47,611	-	-	-	-
Hershey's Mill Construction	-	\$166,866	-	-	-
Hershey's Mill Land Improvements	-	-	\$50,000	-	-
Total Trails Capital	\$104,375	\$866,866	\$150,000	-	-
Parks Capital PAYG	-	-	-	-	-
Parks Capital Financed	\$104,375	\$866,866	\$150,000	-	-

Notes:

- Partial breach of Milltown and full breach of Hershey's Mill, as approved on June 28, 2016.
- Costs (other than land improvements) based on awarded contracts for engineering (some costs already incurred in 2016) and Gannet Fleming's March 2016 report for Milltown construction and Township's interpretation of Gannet Fleming's May 27, 2016 letter regarding cost estimates for Hershey's Mill Dam construction.
- Land improvements are estimates subject to future appropriation by Board and/or as matching funds against future grants.



2017-2021 Capital Improvement Program Transportation Fund



Category	2017	2018	2019	2020	2021
Lane widening Boot Rd	\$85,000	-	-	-	-
Adaptive Signals—Route 3	\$515,000	-	-	-	-
Total Transportation Fund	\$604,000	-	-	-	-
Total Non-Impact Fee	\$600,000	-	-	-	-
Total Impact Fee	-	-	-	-	-

Notes:

- **Adaptive Signal-Route 3** (carryover from 2016)—Inter-municipal project involving West Goshen, East Goshen and Westtown, offset by \$257,500 in PennDOT Go Green Grant funds awarded this year.
- **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.



2017-2021 Capital Improvement Program



Sewer Expenses (Sewer Sinking Fund & Municipal Authority)

Category	2017	2018	2019	2020	2021
16.7% of shared improvements at WGT-Chester Creek STP	\$212,486	\$825,147	\$290,246	\$89,512	\$563,291
16.7% of Westtown Way Pump Station (WGT)	-	-	\$250,500	-	-
Subtotal EGMA share of WGSA projects	\$212,486	\$825,147	\$540,746	\$89,512	\$563,291
RCSTP security cameras	-	\$12,750	-	-	-
Trailer-mounted pump	\$65,000	-	-	-	-
Variable Frequency Drive (HM P/S)	-	\$14,000	-	-	-
Wet-well Pump (Ashbridge P/S)	-	\$20,000	-	-	-
Flow meter	\$10,000	\$10,000	\$10,000	-	-
Total Sewer Capital	\$287,486	\$881,897	\$550,746	\$89,512	\$563,291
Sewer Capital PAYG	\$75,000	\$56,750	\$10,000	-	-
Sewer Capital Financed	\$212,486	\$825,147	\$540,746	\$89,512	\$563,291
Municipal Authority	\$212,486	\$825,647	\$540,746	\$89,512	\$563,291
Sewer Sinking Fund	\$75,000	\$56,750	\$10,000	-	-



2017-2021 Capital Improvement Program



Sewer Expenses Cont. (Sewer Sinking Fund & Municipal Authority)

Notes

- West Goshen Sewer Authority improvements are based on 16.7% of HRG Engineering's most recent costs estimates.
 - Cost of WGSA pump station improvements (other than Westtown Way), sanitary sewer rehab and 80% of miscellaneous capital improvements are netted out.
 - Assumes that Westtown Pump Station upgrade costs \$1.5 million
 - \$1.4 million in proceeds from 2013 MA note available for WGSA projects, compared to a total estimated cost for all WGSA projects of \$2.2 million.
 - Agreement still needed with WGSA about the timing of partners' reimbursement. Currently, we reimburse WGSA in the year after capital costs are incurred.
- Trailer-mounted pump will allow Public Works to bypass pump stations in the event of a power failure and will provide an extra level of insurance in the event of a catastrophic storm/power outage. Currently we rent these pumps and they may not be available when needed. The estimated payback period is 9.5 years.
- 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.
- The security camera at RCSTP for 2018 is a carryover from the current year. Grant funding may be available.

