

2018 Board of Commissioner Approved Stormwater Fund Projects				
#	2018 Budget	Budgeted Amount	Description	Status
	MS4 Program Items	NA	The MS4 Program is a federally mandated program, administered on the state level by the DEP. The items in this category are part of the Pollution Reduction Plan (PRP), approved by the Commissioners in 2017.	5 Year Cycle
	Basin Retrofits	NA	Basin retrofits are a cost effective method of complying with the PRP. Basins designed to previous standards are proposed to be converted to green SWM facilities	5 Year Cycle
1	Conceptual Design	\$100,000	This project is to review basins designed in the 60s, 70s, and 80s, and convert them to green infrastructure to comply with the PRP. The conceptual designs will be brought to the various Home Owner's Associations to obtain their input and the HOAs desire to have the basins converted. Pending HOS and Commissioners approval, the intent is to then implement the basin retrofit process in 2019.	Awarded by the Board of Commissioners to Meliora Design in May of 2018. This project will be completed in 2018.
2	Haymarket	\$27,265	These two basins come to the forefront of the PRP program. The idea is to begin work on these two basins (pending HOA and Commissioners approval) in 2018.	A proposal for this design will be brought to the Commissioners this fall. It is anticipated (pending HOA and Commissioners approval) that the retrofits could be completed in 2018 or spring of 2019.
3	Cornerstone	\$10,000		See above.
	Stream Bank Restoration		Streambank Restoration is an important part of the PRP.	5 Year Cycle
4	Ithan Valley Creek Park	\$50,000	The wall along Ithan Avenue is in jeopardy due to erosion, and the highly erodible soils have been removed from the stream banks, creating sluffing and vertical drops.	The Township Manager anticipates working with the Army Corps on this project, in 2018.
	Infrastructure		These projects are for repairing storm sewer and culvert infrastructure.	Many more to address.
5	Roberts Road Culvert	\$200,000	This culvert has end walls that are in need of repair, storm sewer that has literally disconnected from the end walls, and additional storm sewer is required.	The Robert's Road Culvert Project is in design, and will be bid in 2019.
6	North Wayne Field Basin	TBD by sealed bid	The NW Field Basin Repair and Cleaning Project is to clean the basin of hundreds of cubic yards of sediment, repair a disconnected pipe, and install a device to remove sediment from entering the basin.	Design is complete. This project is bidding in July of this year.
7	Maplewood Road Outfall	TBD by sealed bid	This outfall has caused a seriously eroded swale, that is a safety issue for residents, and causes downstream sedimentation as well/	Design complete. This project will be bid in July of 2018, and constructed in the 4th quarter of 2018.
8	Malin Road Culvert	\$110,000	The Malin Road Culvert is a "chimney pipe", concrete, and masonry culvert that is in very poor condition. A previous CB analysis determined that replacement was the most cost effective, over time.	Design is anticipated at 6-9 months (pending the DEP approval process). It is anticipated to be bid and constructed in 2019. this project is ahead of schedule, originally scheduled for design completion in mid-2019.
	Flood Reduction & SWM		These projects are flood mitigation and green infrastructure projects.	2018 Budget
9	Upstream Projects - NW Basin	\$48,980	These green infrastructure projects are to reduce the flow to the North Wayne Field Basin, and contribute to the Township's PRP. The intent is provide five projects for preliminary design, and pending Commissioners approval, construction in 2019.	Awarded to Meliora Design at the July 16th Board of Commissioner meeting.
10	Flood Reduction Options in North Wayne and the Poplar Bypass, awarded to Meliora Design	\$137,310	This project was budgeted for design in 2018. The project is many faceted, with the following items as highlights: convey stormwater runoff (bypass), to Cowan Park for SWM, flood plain management, provide upstream projects (in Radnor Township and Tredyffrin Township) to reduce runoff to the bypass, gas and water line relocation, sanitary sewer, and storm sewer.	Awarded to Meliora Design at the July 16th Board of Commissioner meeting.

11	Flood Reduction Options on Midland Avenue, and using the South Wayne Municipal Parking Lot for Stormwater Management, and the Utilization of the SWM System at the Radnor Middle School	\$190,660	This project was budgeted for design in 2018. A design for sanitary sewer replacement has already been completed. The project is many faceted, with the following items as highlights: design, construction documents for the use of the South Wayne lot for SWM, convey stormwater runoff, to reduce runoff to the bypass, gas and water line relocation, sanitary sewer, and storm sewer.	Awarded to Meliora Design at the July 16th Board of Commissioner meeting.
12	Highview Outfall	TBD	Obtain a proposal for additional survey and design.	It is anticipated to have construction drawings (pending easement agreements) complete in 2018, with construction in 2019.
13	SEPTA Station - Expanded	\$600,000	This project is intended to use the parking lot(s) of the Wayne Regional Rail Station for Stormwater Management.	This project has been mired in the AMTRAK bureaucracy for approval to perform infiltration testing. AMTRAK Is contacted regularly, but no new movement has occurred.
TOTAL		\$1,474,215		
2018 Stormwater Projects that are newly brought forth or revisited.				
14	Wistar Road Outfall	Awaiting Cost Proposal	This outfall has created severe erosion at residents property, and flooding to the rear of one of the residents.	It is anticipated that the design authorization request will be brought before the Commissioners at the September 10th, regularly scheduled Commissioners meeting. Design is to be completed in 2018, and pending Commissioners and affected residents approval, construction in 2019.
15	Wooton Road Storm Sewer	Awaiting Cost Proposal	A section (+/- 200 LF) of very deteriorated storm sewer was "removed", when a large tree overturned tore out the piping. Further inspection determined that the remainder of pipe was in need of replacement.	It is anticipated that the design authorization request will be brought before the Commissioners at the Septemebr 10th, regularly scheduled Commissioners meeting. Design is to be completed in 2018, and pending Commissioners and affected residents approval, construction in let 2018 or early 2019.
17	Arbor & Cumberland Places	Awaiting Cost Proposal	Arbor Place, designed in the seventies, using the engineering standards of the day, releases uncontrolled runoff to Arbor place, affecting a resident at that area. This design project will be to manage the runoff, and reduce the affect to the downstream resident and Ithan Creek.	The design authorization request will be brought before the Commissioners in September of 2018.
18	Mill Road Endwall	Awaiting Cost Proposal	The endwall at Mill Road, adjacent to the culvert, has separated form the footings. The wall it self has deteriorated, necessitating reconstruction.	At the regulary scheudled Se[temebr 24th, Board of Commissioners meeting a cost proposal for construction will be requested for authorization.
19	Arthur Road	Awaiting Cost Proposal	Significant ponding in the cul-de-sac of Arthur Road is causing icing issues in the winter months, and concern of mosquito born disease summer months	The request to authorize design and construction documents is to be before the Commissioners in fall of 2018.
20	Banbury, Francis, Windsor	TBD	The intersection of Banbury, Francis, and Windsor floods during large rain events. A flood mitigation project for this intersection was in the late stages of design, and tabled in 2017.	At the May 21, 2018 Commissioners meeting, a motion to have SWMAC deliberate modifications to the Banbury/Francis Stormwater Project with input from the neighbors in that area was passed.
21	Brookside Avenue	Awaiting Cost Proposal	Failed storm sewer (cross pipes, longitudinal pipes, and outfall) are causing significant ponding after rain events. The existing piping requires replacement.	The request to authorize design and construction documents is to be before the Commissioners in September of 2018.
21	TOTAL	As part of the design scope, estimated probable costs of construction will be provided. At that time, the cost portion of this table will be updated.		
Rev. 7/23/18	2018 Budgeted Projects, sans AMTRAK, are on schedule for 2018. The newly put forth projects will progress at an accelerated rate.			