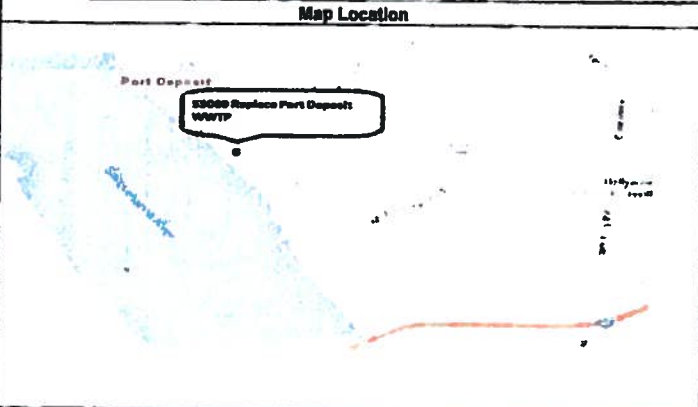


Proposed Replace Port Deposit WWTP

Project Form		Cecil County Capital Improvements Program 2017	
Agency/Department: DPW-Waste Water	Project Number: 55069	Map Location 	
Project Title: Replace Port Deposit WWTP	Project Location: Port Deposit, MD		
Project Description/Status: Priority: 8			
<p>The existing Port Deposit Wastewater Treatment Plant ("WWTP") is 40+ years old, is located on the banks of the Susquehanna River within the 100-year flood plain, has reached the end of its useful life, and needs to be replaced. This project will construct an Enhanced Nutrient Removal packaged WWTP at a new location on the grounds of the former Bainbridge Naval Training Center. The WWTP will have an initial capacity of 250,000 Gallons Per Day but will be sited, designed, and built such that it can readily be expanded in steps over time as needed to accommodate increased flows. The project will also include the construction of a sewer pumping station and force main to convey sewage from Port Deposit up to the site of the replacement WWTP; an outfall to convey the treated effluent from the WWTP to the existing outfall which will continue to be used; and the decommissioning and demolition of the existing Port Deposit WWTP once the replacement WWTP is operational. The project will serve existing Port Deposit residents, provide wastewater treatment plant capacity needed to support the redevelopment of the Tome School and Bainbridge sites, and other users within its service area.</p>			

EXPENDITURE SCHEDULE									
Cost Elements	Total Cost	Prior Funding	Budget Yr. FY 2016	Five Year Capital Program					Balance to Complete
				FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	
Design/Engineering	384,000		384,000		0				
Land Acquisition	0		0		0				
Site Work	2,500,000		0		2,500,000				
Construction	2,800,000		300,000		2,500,000				
Equipment/Furnishings	3,952,500		1,636,000		2,316,500				
Other	0		0		0				
Total Cost	9,636,500	0	2,320,000	0	7,316,500	0	0	0	0

FUNDING SCHEDULE									
County Paygo	0		0		0				
County Bonds	4,878,250		2,320,000		2,558,250				
State	2,200,000		0		2,200,000				
Federal	0		0		0				
Other	2,558,250		0		2,558,250				
Total Funds	9,636,500	0	2,320,000	0	7,316,500	0	0	0	0

Original Repair Port Deposit WWTP

Project Form		Cecil County Capital Improvements Program 2017	Map Location
Agency/Department: DPW-Waste Water	Project Number: 55069		
Project Title: Repair Port Deposit WWTP	Project Location: Port Deposit, MD		
Project Description/Status: Priority: 8			
<p>The interior and exterior walls in the steel tank at the Port Deposit Wastewater Treatment Plant (WWTP) have deteriorated to the point that the structural integrity of the tank can no longer be assured and corrective action must be taken. This project will repair or replace the steel tank, with the exact method to be determined following additional engineering investigation and the solicitation of price quotes from qualified contractors. While on-site repair or replacement work is being done, it will be necessary to take the WWTP out of service. A portable package WWTP will be leased for use on-site during the on-site work, after which the newly repaired/replaced tank will be put back into service, thus maintaining the Port Deposit WWTP's permitted capacity of 150,000 gallons per day.</p>			

Cost Elements	Total Cost	Prior Funding	Budget Yr. FY 2016	Five Year Capital Program					Balance to Complete
				FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	
Design/Engineering	125,000		125,000						
Land Acquisition	0								
Site Work	0								
Construction	125,000		125,000						
Equipment/Furnishings	950,000		950,000						
Other	0								
Total Cost	1,200,000	0	1,200,000	0	0	0	0	0	0

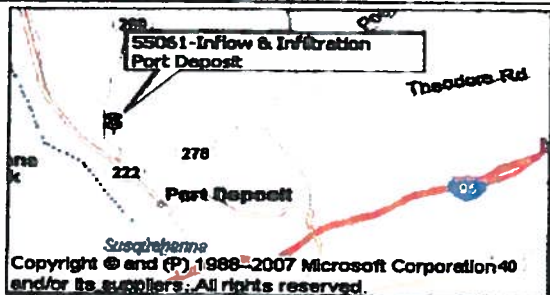
FUNDING SCHEDULE									
County Paygo	0								
County Bonds	1,200,000		1,200,000						
State	0								
Federal	0								
Other	0								
Total Funds	1,200,000	0	1,200,000	0	0	0	0	0	0

OPERATING BUDGET IMPACT:		Financial Activity as of	2/5/2016
Estimated Annual Debt Service Cost:	0	Expended	48,670
Annual Operating/Maintenance Cost:	0	Encumbered	29,184
New Positions (FTE's):	0.0	Total	<u><u>77,853</u></u>

Bill No. 2016-21

Appendix 3

Proposed Inflow & Infiltration-Port Deposit

Project Form		Cecil County Capital Improvements Program 2017								
Agency/Department: DPW-Waste Water		Project Number: 55061		<div style="text-align: right; margin-bottom: 5px;">Map Location</div>  <p style="font-size: small; margin-top: 5px;">Copyright © and (P) 1986-2007 Microsoft Corporation and/or its suppliers. All rights reserved.</p>						
Project Title: Inflow & Infiltration-Port Deposit		Project Location: Port Deposit								
Project Description/Status:		Priority: 21								
<p>Previous inflow & infiltration ("I&I") studies of the Port Deposit sewer collection system revealed multiple leaks and various other conditions that permit large quantities of storm water and/or groundwater to enter the Port Deposit sewer system. This unwanted water, referred to as I&I, does not need to be treated by a wastewater treatment plant and, in fact, consumes valuable treatment plant capacity and increases operating costs. This project will repair the most pressing leaks in order to minimize the amount of I&I entering the system. Repairs to sewer pipe, manholes and other system components will be made using a variety of techniques including replacing failed sections of pipe, siph lining, and grouting, among others.</p>										
EXPENDITURE SCHEDULE										
Cost Elements		Total Cost	Prior Funding	Budget Yr. FY 2016	Five Year Capital Program					Balance to Complete
					FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	
Design/Engineering		100,000	40,000	60,000						
Land Acquisition		0	0	0						
Site Work		0	0	0						
Construction		400,000	280,000	120,000						
Equipment/Furnishings		0	0	0						
Other		0	0	0						
Total Cost		500,000	320,000	180,000	0	0	0	0	0	0
FUNDING SCHEDULE										
County Paygo		320,000	320,000	0						
County Bonds		180,000	0	180,000						
State		0	0	0						
Federal		0	0	0						
Other		0	0	0						
Total Funds		500,000	320,000	180,000	0	0	0	0	0	0

OPERATING BUDGET IMPACT:

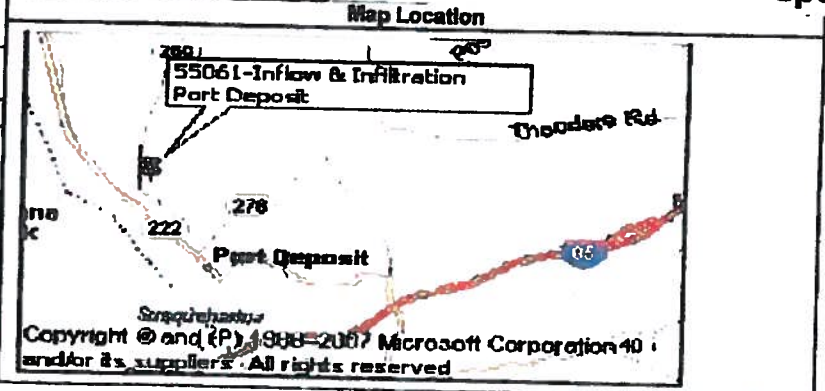
Estimated Annual Debt Service Cost:	0
Annual Operating/Maintenance Cost:	0
New Positions (FTE's):	0.0

Financial Activity as of

Expended	11/4/2015
Encumbered	118,012
Total	44,147
	162,159

Project Form Cecil County Capital Improvements Program 2017

Agency/Department: DPW-Waste Water
 Project Number: 55061
 Project Title: Inflow & Infiltration-Port Deposit
 Project Location: Port Deposit
 Project Description/Status: Priority: 21



Initial inspections in FY 11 have revealed that the sewer collection system in Port Deposit will require substantial repairs and line replacements. In spring 2016 Maryland SHA will reconstruct Rt222/mainstreet through Town. \$900k is requested in order that all items impacted by the highway project will be rehabilitated. An SRF grant application has been made for this portion. In addition a run of currently out of service sewer runs from the vicinity of the treatment plant up the hill to a connection point on the Bainbridge property. \$1.3m is allocated towards the repair and rehabilitation of this sewer line.

EXPENDITURE SCHEDULE

Cost Elements	Total Cost	Prior Funding	Budget Yr. FY 2016	Five Year Capital Program					Balance to Complete
				FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	
Design/Engineering	140,000	40,000	100,000						
Land Acquisition	0								
Site Work	0								
Construction	2,380,000	280,000	2,100,000						
Equipment/Furnishings	0								
Other	0								
Total Cost	2,520,000	320,000	2,200,000	0	0	0	0	0	0

FUNDING SCHEDULE

Funding Source	Total	Prior Funding	Budget Yr. FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Balance to Complete
County Paygo	320,000	320,000							
County Bonds	1,300,000		1,300,000						
State	900,000		900,000						
Federal	0								
Other	0								
Total Funds	2,520,000	320,000	2,200,000	0	0	0	0	0	0

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: 0
 Annual Operating/Maintenance Cost: 0
 New Positions (FTE's): 0.0

Financial Activity as of 2/5/2016
 Expended 136,469
 Encumbered 25,690
 Total 162,159