

Water Quality Improvements

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Capital Budget and Program

Anne Arundel County, Maryland

Project Class Summary - Project Listing

Council Approved

Project	Project Title	Total	Prior	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Project Class Water Quality Improvements									
D406900	NPDES Permit Program	\$1,241,209	\$1,241,209	\$0	\$0	\$0	\$0	\$0	\$0
D499900	NPDES SD Retrofits	\$1,349,410	\$1,549,410	(\$200,000)	\$0	\$0	\$0	\$0	\$0
D515900	Four Season Stream Rehab	\$1,214,000	\$1,214,000	\$0	\$0	\$0	\$0	\$0	\$0
Q416000	Chg Agst Clsd Projects	\$2,820	\$2,820	\$0	\$0	\$0	\$0	\$0	\$0
Q437300	Stream & Ecological Restor	\$1,258,342	\$1,258,342	\$0	\$0	\$0	\$0	\$0	\$0
Q514300	Crofton Trib Restoration	\$1,178,000	\$1,178,000	\$0	\$0	\$0	\$0	\$0	\$0
Q514500	Warehouse Creek Stream Restr	\$1,216,997	\$1,416,997	(\$200,000)	\$0	\$0	\$0	\$0	\$0
Q516500	Old County Road Swm Bmp	\$135,000	\$135,000	\$0	\$0	\$0	\$0	\$0	\$0
Q517400	Cowhide Branch Retro	\$3,978,000	\$3,978,000	\$0	\$0	\$0	\$0	\$0	\$0
Q536400	Picture Spring Branch Str Rest	\$389,000	\$389,000	\$0	\$0	\$0	\$0	\$0	\$0
Q540300	Rutland Rd Fish Passage	\$3,139,000	\$2,284,000	\$855,000	\$0	\$0	\$0	\$0	\$0
Q543000	Shipley's Choice Dam Rehab	\$5,648,000	\$4,248,000	\$1,400,000	\$0	\$0	\$0	\$0	\$0
Q551500	Barrensdale Outfall Restor	\$30,000	\$30,000	\$0	\$0	\$0	\$0	\$0	\$0
Total Water Quality Improvements		\$20,779,779	\$18,924,779	\$1,855,000	\$0	\$0	\$0	\$0	\$0

Capital Budget and Program

Anne Arundel County, Maryland

Project Class Summary - Funding Detail							Council Approved		
Project	Project Title	Total	Prior	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Project Class Water Quality Improvements									
Bonds									
	General County Bonds	\$15,663,325	\$13,921,325	\$1,742,000	\$0	\$0	\$0	\$0	\$0
	WPRF Bonds	\$261,000	\$261,000	\$0	\$0	\$0	\$0	\$0	\$0
	Bonds	\$15,924,325	\$14,182,325	\$1,742,000	\$0	\$0	\$0	\$0	\$0
PayGo									
	General Fund PayGo	\$139,030	\$139,030	\$0	\$0	\$0	\$0	\$0	\$0
	PayGo	\$139,030	\$139,030	\$0	\$0	\$0	\$0	\$0	\$0
Grants & Aid									
	Other Fed Grants	\$2,547,000	\$2,547,000	\$0	\$0	\$0	\$0	\$0	\$0
	Other State Grants	\$1,221,424	\$1,108,424	\$113,000	\$0	\$0	\$0	\$0	\$0
	Grants & Aid	\$3,768,424	\$3,655,424	\$113,000	\$0	\$0	\$0	\$0	\$0
Other									
	Miscellaneous	\$948,000	\$948,000	\$0	\$0	\$0	\$0	\$0	\$0
	Other	\$948,000	\$948,000	\$0	\$0	\$0	\$0	\$0	\$0
	Water Quality Improvements	\$20,779,779	\$18,924,779	\$1,855,000	\$0	\$0	\$0	\$0	\$0

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D406900 NPDES Permit Program

Class: Water Quality Improvements

FY2018

Council Approved

Description

Approved funds have been used to prepare part 1 and part 2 applications with all necessary back up material to comply with the EPA's stormwater NPDES (National Pollutant Discharge Elimination System) permit requirements. The permit will be valid for five years. Additional funds are requested and will be programmed to: implement illicit connection identification and elimination program, continue outfall monitoring program, manage and administer various water quality programs required by federal regulations, develop a GIS/GPS system required by the permit, and to prepare watershed master plans and other studies regarding stormwater administration.

Location

This scope of this project is continued in the operating budget of the new Watershed Protection and Restoration Fund.

Countywide

Benefit

Regulatory Compliance

Amendment History

Prior approval has been adjusted to show the closing of jobs on this project. Removed \$1,050,000 via AMD #32 to Bill 46-13.

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$1,202,790	Plans and Engineering	\$1,026,608	\$1,026,608	\$0	\$0	\$0	\$0	\$0	\$0	
\$117,896	Land	\$117,896	\$117,896	\$0	\$0	\$0	\$0	\$0	\$0	
(\$237,984)	Construction	(\$237,984)	(\$237,984)	\$0	\$0	\$0	\$0	\$0	\$0	
\$249,843	Overhead	\$240,175	\$240,175	\$0	\$0	\$0	\$0	\$0	\$0	
\$94,514	Other	\$94,514	\$94,514	\$0	\$0	\$0	\$0	\$0	\$0	
\$1,427,059	Total	\$1,241,209	\$1,241,209	\$0	\$0	\$0	\$0	\$0	\$0	
More (Less) Than Prior Year Program:		(\$185,850)	(\$185,850)	\$0	\$0	\$0	\$0	\$0	\$0	Multi-Yr

D406900 NPDES Permit Program

Class: Water Quality Improvements

FY2018

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Continued Water Quality Programs and Watershed Studies
3. Action Required To Complete This Project: Continued in the operating budget of the new Watershed Protection and Restoration Fund

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: None
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: None

Initial Total Project Cost Estimate

FY 1992 \$1,873,600

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$1,353,083	\$51,434	\$1,404,517
April 1, 2016	\$1,220,750	\$0	\$1,220,750

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$280,921	General Fund PayGo	\$100,209	\$100,209	\$0	\$0	\$0	\$0	\$0	\$0	
\$193,000	Other State Grants	\$193,000	\$193,000	\$0	\$0	\$0	\$0	\$0	\$0	
\$953,138	Miscellaneous	\$948,000	\$948,000	\$0	\$0	\$0	\$0	\$0	\$0	
\$1,427,060	Total	\$1,241,209	\$1,241,209	\$0	\$0	\$0	\$0	\$0	\$0	
More (Less) Than Prior Year Program:		(\$185,850)	(\$185,850)	\$0	\$0	\$0	\$0	\$0	\$0	Multi-Yr

D499900 NPDES SD Retrofits

Class: Water Quality Improvements

FY2018

Council Approved

Description

This project will design and construct remedial stream stabilization and other stormwater infrastructure retrofits that are identified as needed through the NPDES watershed studies.

This multi-year project is replaced in the form of a variety projects in the new Watershed Protection and Restoration Project Class.

Location

Countywide

Benefit

Water Quality Improvement

Amendment History

Prior approval has been adjusted to show the closing of jobs on this project. Prior Approval was increased in the amount of \$360,000 by Bill #16-10, \$480,000 by Bill # 80-10, and \$460,000 by Bill # 17-12. Removed \$150K via AMD #33 to Bill 46-13. County Council removed \$364k via AMD #54 to Bill 29-15.

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$145,668	Plans and Engineering	\$35,120	\$35,120	\$0	\$0	\$0	\$0	\$0	\$0	
\$3,707	Land	\$3,707	\$3,707	\$0	\$0	\$0	\$0	\$0	\$0	
\$1,506,055	Construction	\$1,237,374	\$1,437,374	(\$200,000)	\$0	\$0	\$0	\$0	\$0	
\$82,412	Overhead	\$73,209	\$73,209	\$0	\$0	\$0	\$0	\$0	\$0	
\$0	Other	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
\$1,737,842	Total	\$1,349,410	\$1,549,410	(\$200,000)	\$0	\$0	\$0	\$0	\$0	
More (Less) Than Prior Year Program:		(\$388,432)	(\$188,432)	(\$200,000)	\$0	\$0	\$0	\$0	\$0	Multi-Yr

D499900 NPDES SD Retrofits

Class: Water Quality Improvements

FY2018

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Stream Stabilization and Stormwater Management Infrastructure Retrofits
3. Action Required To Complete This Project: Complete design, construction and performance of ongoing contracts to meet NPDES MS4 permit requirements, and Chesapeake Bay TMDLs.

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: None
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: None

Initial Total Project Cost Estimate

FY 2000 \$1,800,000

Funding Increased in FY'02 Request to Address Projected Requirements

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$1,274,927	\$172,539	\$1,447,466
April 1, 2016	\$1,296,422	\$3,618	\$1,300,040

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$878,283	General County Bonds	\$376,851	\$689,851	(\$313,000)	\$0	\$0	\$0	\$0	\$0	
\$859,559	Other State Grants	\$972,559	\$859,559	\$113,000	\$0	\$0	\$0	\$0	\$0	
\$1,737,842	Total	\$1,349,410	\$1,549,410	(\$200,000)	\$0	\$0	\$0	\$0	\$0	
More (Less) Than Prior Year Program:		(\$388,432)	(\$188,432)	(\$200,000)	\$0	\$0	\$0	\$0	\$0	Multi-Yr

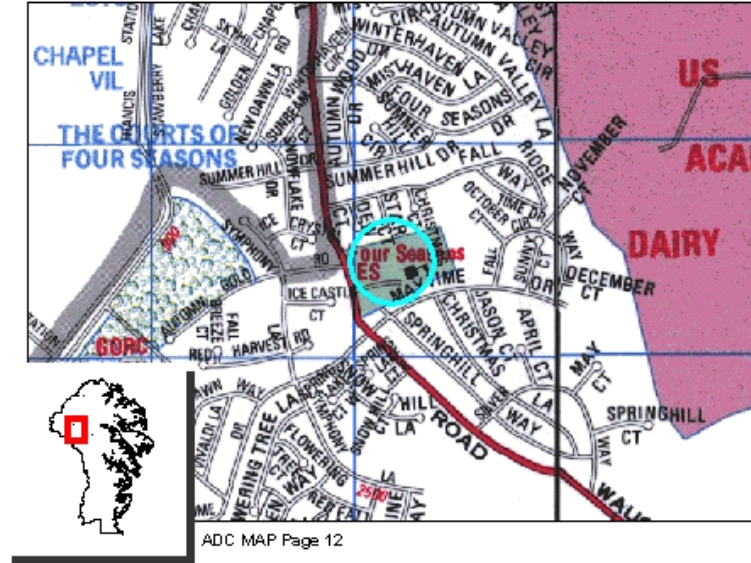
D515900 Four Season Stream Rehab

Class: Water Quality Improvements

FY2018 Council Approved

Description

This project consists of restoring approximately 2200 feet of a tributary to Towsers Branch downstream of the Four Seasons Community.



Benefit

This project will reduce erosion of the stream channel and reduce nutrient loading downstream

Amendment History

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$157,000	Plans and Engineering	\$157,000	\$157,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$5,000	Land	\$5,000	\$5,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$993,000	Construction	\$993,000	\$993,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$59,000	Overhead	\$59,000	\$59,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,214,000	Total	\$1,214,000	\$1,214,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

D515900 Four Season Stream Rehab

Class: Water Quality Improvements

FY2018

Council Approved

Project Status

1. Current Status Of This Project: Complete
2. Action Taken In Current FY: Performance
3. Action Required To Complete This Project: None

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: Deappropriate remaining funds
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: None

Initial Total Project Cost Estimate

FY 2003 \$444,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$1,180,243	\$33,467	\$1,213,710
April 1, 2016	\$1,183,940	\$14,236	\$1,198,176

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$1,214,000	General County Bonds	\$1,214,000	\$1,214,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,214,000	Total	\$1,214,000	\$1,214,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Q416000 Chg Agst Clsd Projects

Class: Water Quality Improvements

FY2018

Council Approved

Description

Funds are approved to allow for settlement of claims and items required in Project Performance Phase on Waterway Improvement capital projects which have been closed out prior to the settlement of the claims.

Available balances from completed projects will be the primary source of funding for this project.

Location

Countywide

Benefit

This fund ensures that claims can be settled in the most expedient manner, and provides a mechanism to provide for the "forward funding" of state grants.

Amendment History

County Council removed \$2 million via amendment #36 to Bill 16-03. Prior approval has been adjusted to show the closing of jobs on this project. Council removed \$65,000 via amendment #46 to Bill 28-10. Council removed \$9,000 via amendments #27 and #61 to Bill 31-12.

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
	Construction	(\$27,162)	(\$27,162)	\$0	\$0	\$0	\$0	\$0	\$0	
	Overhead	(\$1,178)	(\$1,178)	\$0	\$0	\$0	\$0	\$0	\$0	
\$67,721	Other	\$31,161	\$31,161	\$0	\$0	\$0	\$0	\$0	\$0	
\$67,721	Total	\$2,820	\$2,820	\$0	\$0	\$0	\$0	\$0	\$0	
More (Less) Than Prior Year Program:		(\$64,901)	(\$64,901)	\$0	\$0	\$0	\$0	\$0	\$0	Multi-Yr

Q416000 Chg Agst Clsd Projects

Class: Water Quality Improvements

FY2018

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Multi-Year
3. Action Required To Complete This Project: Multi-Year

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: None
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: None

Initial Total Project Cost Estimate

FY 1993 \$50,000

Financial Activity

Expended	Encumbered	Total	
April 1, 2015	\$62,916	\$1,985	\$64,901
April 1, 2016	\$0	\$0	\$0

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$57,721	General County Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
\$10,000	General Fund PayGo	\$2,820	\$2,820	\$0	\$0	\$0	\$0	\$0	\$0	
\$67,721	Total	\$2,820	\$2,820	\$0	\$0	\$0	\$0	\$0	\$0	
More (Less) Than Prior Year Program:		(\$64,901)	(\$64,901)	\$0	\$0	\$0	\$0	\$0	\$0	Multi-Yr

Q437300 Stream & Ecological Restor

Class: Water Quality Improvements

FY2018

Council Approved

Description

Funds are requested to design, acquire rights of way and construct stream restoration and ecological facilities to improve both water quality and aquatic habitat. Stream restoration and ecological facilities will include fish passages at culverts and dams to allow fish to migrate, stream bank stabilization structures such as rosgen structures to prevent erosion, provide self-maintaining channel velocities, and facilitate aquatic habit growth. This project will require funding beyond the program.

Location

This multi-year project is replaced in the form of a variety projects in the new Watershed Protection and Restoration Project Class.

Countywide

Benefit

Water quality and habitat improvement.

Amendment History

Prior approval has been adjusted to show the closing of jobs on this project.

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
(\$31,169)	Plans and Engineering	(\$139,408)	(\$139,408)	\$0	\$0	\$0	\$0	\$0	\$0	
\$3,150	Land	(\$36,264)	(\$36,264)	\$0	\$0	\$0	\$0	\$0	\$0	
\$664,234	Construction	\$309,730	\$309,730	\$0	\$0	\$0	\$0	\$0	\$0	
\$45,515	Overhead	\$18,915	\$18,915	\$0	\$0	\$0	\$0	\$0	\$0	
\$1,105,370	Other	\$1,105,370	\$1,105,370	\$0	\$0	\$0	\$0	\$0	\$0	
\$1,787,101	Total	\$1,258,342	\$1,258,342	\$0	\$0	\$0	\$0	\$0	\$0	
More (Less) Than Prior Year Program:		(\$528,759)	(\$528,759)	\$0	\$0	\$0	\$0	\$0	\$0	Multi-Yr

Q437300 Stream & Ecological Restor

Class: Water Quality Improvements

FY2018

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Stream & Ecological Restoration
3. Action Required To Complete This Project: This multi-year project is replaced in the form of a variety projects in the new Watershed Protection and Restoration Project Class.

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: Reduced cost
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: None

Initial Total Project Cost Estimate

FY 1996 \$1,360,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$1,646,134	\$90,481	\$1,736,615
April 1, 2016	\$1,160,478	\$40,106	\$1,200,585

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$1,357,101	General County Bonds	\$1,181,477	\$1,181,477	\$0	\$0	\$0	\$0	\$0	\$0	
\$21,000	WPRF Bonds	\$21,000	\$21,000	\$0	\$0	\$0	\$0	\$0	\$0	
\$409,000	Other State Grants	\$55,865	\$55,865	\$0	\$0	\$0	\$0	\$0	\$0	
\$1,787,101	Total	\$1,258,342	\$1,258,342	\$0	\$0	\$0	\$0	\$0	\$0	
More (Less) Than Prior Year Program:		(\$528,759)	(\$528,759)	\$0	\$0	\$0	\$0	\$0	\$0	Multi-Yr

Q514300 Crofton Trib Restoration

Class: Water Quality Improvements

FY2018

Council Approved

Description

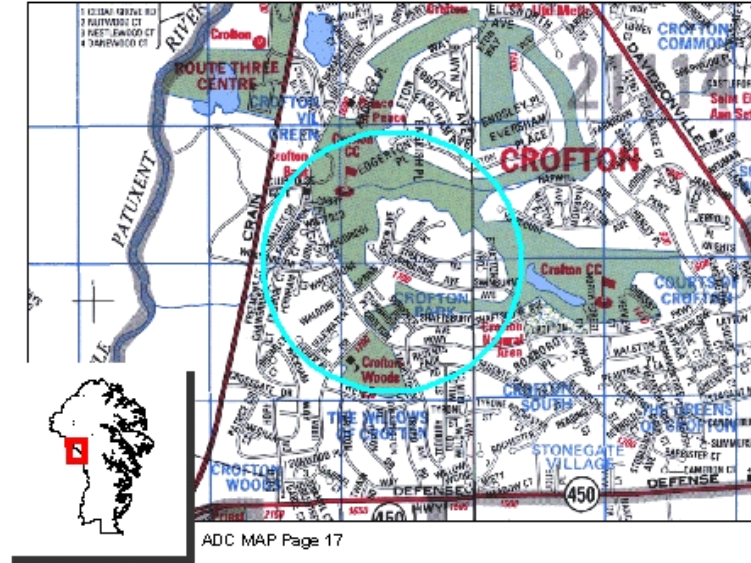
Construction of a stable stream configuration in the open section that runs from the northbound lane of Route 3 to the vicinity of Scribner Place at Shaftsbury Avenue.

Benefit

Water quality improvement.

Amendment History

County Council removed \$65k via AMD #25 to Bill 29-15.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$190,000	Plans and Engineering	\$190,000	\$190,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$12,000	Land	\$12,000	\$12,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$912,000	Construction	\$912,000	\$912,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$64,000	Overhead	\$64,000	\$64,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,178,000	Total	\$1,178,000	\$1,178,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Q514300 Crofton Trib Restoration

Class: Water Quality Improvements

FY2018

Council Approved

Project Status

1. Current Status Of This Project: Complete
2. Action Taken In Current Fiscal Year: Performance
3. Action Required To Complete This Project: None

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: Deappropriate remaining funds
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: None

Initial Total Project Cost Estimate

FY 2002 \$594,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$1,177,990	\$0	\$1,177,990
April 1, 2016	\$1,177,990	\$0	\$1,177,990

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$1,178,000	General County Bonds	\$1,178,000	\$1,178,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,178,000	Total	\$1,178,000	\$1,178,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Q514500 Warehouse Creek Stream Restr

Class: Water Quality Improvements

FY2018

Council Approved

Description

This project consists of project formulation and other preliminary studies for stream restoration of the headwaters of Warehouse Creek. Construction of Stream Channel Improvements and Water Quality Retrofits within the watershed have been included.

Benefit

This project will restore the headwaters stream channel to reduce sediment discharge to the creek.

Amendment History

County Council removed \$50,000 via AMD #24 to Bill 31-16. CC removed \$200k via AMD #23 to Bill 36-17.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$458,000	Plans and Engineering	\$269,724	\$269,724	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$91,000	Land	\$91,000	\$91,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,399,000	Construction	\$760,448	\$960,448	(\$200,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$124,000	Overhead	\$95,824	\$95,824	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$2,072,000	Total	\$1,216,997	\$1,416,997	(\$200,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$855,003)	(\$655,003)	(\$200,000)	\$0	\$0	\$0	\$0	\$0	\$0

Q514500 Warehouse Creek Stream Restr

Class: Water Quality Improvements

FY2018

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Construction
3. Action Required To Complete This Project: Construction and Performance

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: None.
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: None

Initial Total Project Cost Estimate

FY 2002 \$74,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$1,471,633	\$404,027	\$1,875,659
April 1, 2016	\$1,160,331	\$44,697	\$1,205,028

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$1,832,000	General County Bonds	\$976,997	\$1,176,997	(\$200,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$240,000	WPRF Bonds	\$240,000	\$240,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$2,072,000	Total	\$1,216,997	\$1,416,997	(\$200,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$855,003)	(\$655,003)	(\$200,000)	\$0	\$0	\$0	\$0	\$0	\$0

Q516500 Old County Road Swm Bmp

Class: Water Quality Improvements

FY2018

Council Approved

Description

This project consist of design and construction of a BMP at the Cypress Creek Community and Park to improve water quality flowing to an existing bog. This bog provides stormwater quality management upstream of an Atlantic White Cedar Woodland area.

Funding to continue and complete the work begun under this project is moved to a new project B568100 in the WPRP Class.

Benefit

Water quality and habitat improvement.

Amendment History



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$127,000	Plans and Engineering	\$127,000	\$127,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$8,000	Overhead	\$8,000	\$8,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$135,000	Total	\$135,000	\$135,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Q516500 Old County Road Swm Bmp

Class: Water Quality Improvements

FY2018

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current FY: Design
3. Action Required To Complete This Project: Construction and Performance

Change from Prior Year

1. Change In Name Or Description: Added reference to scope change and new project.
2. Change In Total Project Cost: Due to scope change.
3. Change In Scope: Funding to continue and complete the work begun under this project is moved to a new project B568100 in the WPRP Class.
4. Change In Timing: None

Estimated Operating Budget Impact: None

Initial Total Project Cost Estimate

FY 2003 \$179,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$118,874	\$10,199	\$129,073
April 1, 2016	\$126,514	\$4,230	\$130,744

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$135,000	General County Bonds	\$135,000	\$135,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	WPRF Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$135,000	Total	\$135,000	\$135,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Q517400 Cowhide Branch Retro

Class: Water Quality Improvements

FY2018

Council Approved

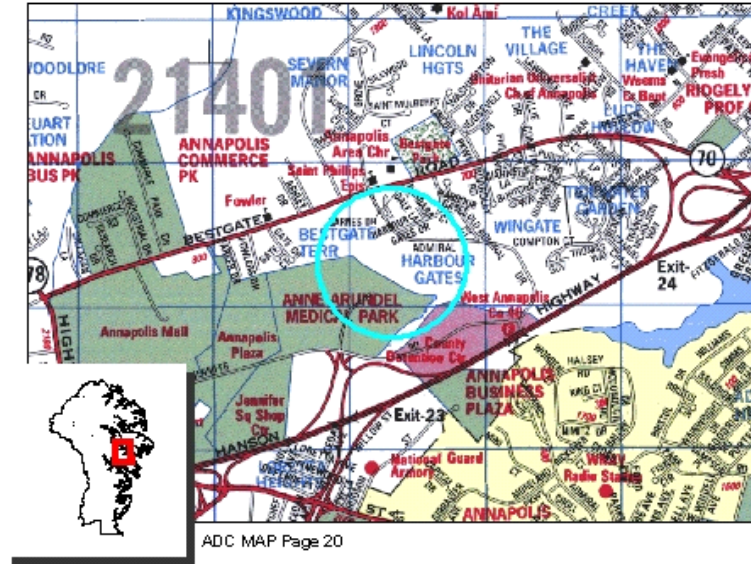
Description

Construction of an upgrade to the Cowhide Branch of Weems Creek. This will include removal of a fish blockage and excess sediment and grading, realignment and planting in the Floodplain to establish a more stable and natural Watershed.

Benefit

Water quality and habitat improvement.

Amendment History



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$496,000	Plans and Engineering	\$675,000	\$675,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$43,000	Land	\$43,000	\$43,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$2,472,000	Construction	\$3,093,000	\$3,093,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$167,000	Overhead	\$167,000	\$167,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$3,178,000	Total	\$3,978,000	\$3,978,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$800,000	\$800,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Q517400 Cowhide Branch Retro

Class: Water Quality Improvements

FY2018

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current FY: Design
3. Action Required To Complete This Project: Construction and Performance

Change from Prior Year

1. Change In Name Or Description: None
2. Change In Total Project Cost: None.
3. Change In Scope: None
4. Change In Timing: None

Estimated Operating Budget Impact: None

Initial Total Project Cost Estimate

FY 2003 \$1,126,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$502,751	\$2,077,673	\$2,580,423
April 1, 2016	\$513,386	\$2,469,686	\$2,983,073

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$2,178,000	General County Bonds	\$2,178,000	\$2,178,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	WPRF Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,000,000	Other Fed Grants	\$1,800,000	\$1,800,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$3,178,000	Total	\$3,978,000	\$3,978,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$800,000	\$800,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Q536400 Picture Spring Branch Str Rest

Class: Water Quality Improvements

FY2018

Council Approved

Description

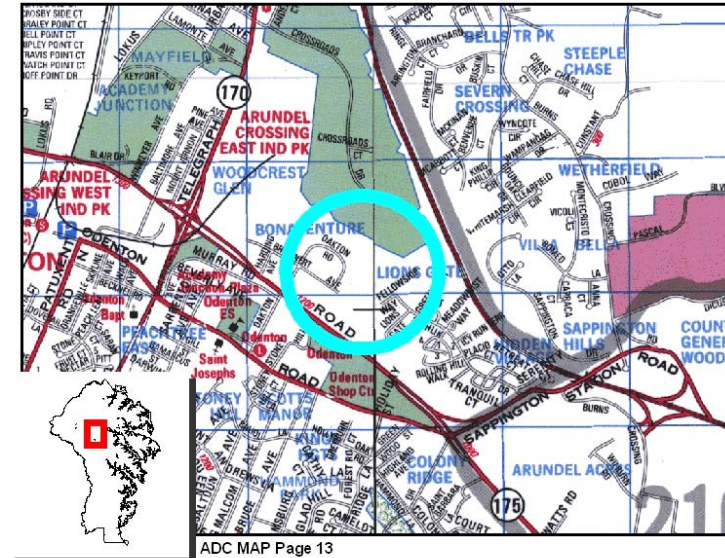
This project is established to investigate the existing conditions and to design and construct restoration techniques to improve and stabilize an 800 foot long portion of eroded stream bank, as well as head-cut restoration, and replacement of a degraded major outfall pipe along the Picture Spring Branch Stream.

Benefit

Regulatory compliance under the County's NPDES MS4 Permit and will improve hydrology and ecology for the stream channel.

Amendment History

County Council removed \$45k via AMD #55 to Bill 27-11.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$100,000	Plans and Engineering	\$100,000	\$100,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$8,000	Land	\$8,000	\$8,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$253,000	Construction	\$253,000	\$253,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$28,000	Overhead	\$28,000	\$28,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$389,000	Total	\$389,000	\$389,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Q536400 Picture Spring Branch Str Rest

Class: Water Quality Improvements

FY2018

Council Approved

Project Status

1. Current Status of this Project: Active
2. Action Taken in Current FY: Construction
3. Action Required To Complete This Project: Construction and Performance

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: Reduced costs
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: None

Initial Total Project Cost Estimate

FY 2010 \$368,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$310,140	\$78,700	\$388,840
April 1, 2016	\$351,419	\$27,165	\$378,584

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$389,000	General County Bonds	\$389,000	\$389,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	WPRF Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$389,000	Total	\$389,000	\$389,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Q540300 Rutland Rd Fish Passage

Class: Water Quality Improvements

FY2018

Council Approved

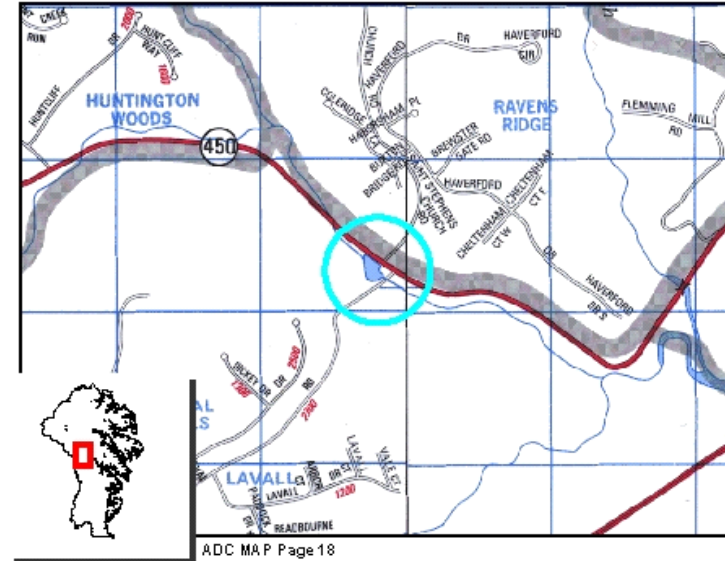
Description

Project consists of the removal of fish migration barriers at Rutland Road cross Culvert near the intersection of Rutland Road and MD Route 450.

Benefit

Project is high on the priority list.

Amendment History



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$503,000	Plans and Engineering	\$520,000	\$503,000	\$17,000	\$0	\$0	\$0	\$0	\$0	\$0
\$22,000	Land	\$22,000	\$22,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,630,000	Construction	\$2,391,000	\$1,630,000	\$761,000	\$0	\$0	\$0	\$0	\$0	\$0
\$129,000	Overhead	\$147,000	\$129,000	\$18,000	\$0	\$0	\$0	\$0	\$0	\$0
\$0	Other	\$59,000	\$0	\$59,000	\$0	\$0	\$0	\$0	\$0	\$0
\$2,284,000	Total	\$3,139,000	\$2,284,000	\$855,000	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$855,000	\$0	\$855,000	\$0	\$0	\$0	\$0	\$0	\$0

Q540300 Rutland Rd Fish Passage

Class: Water Quality Improvements

FY2018

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Construction
3. Action Required To Complete This Project: Performance

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: Increased based on latest cost estimate
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: None

Initial Total Project Cost Estimate

FY 2010 \$1,111,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$530,471	\$1,058,481	\$1,588,952
April 1, 2016	\$655,499	\$1,304,712	\$1,960,211

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$1,537,000	General County Bonds	\$2,392,000	\$1,537,000	\$855,000	\$0	\$0	\$0	\$0	\$0	\$0
\$0	WPRF Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$747,000	Other Fed Grants	\$747,000	\$747,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$2,284,000	Total	\$3,139,000	\$2,284,000	\$855,000	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$855,000	\$0	\$855,000	\$0	\$0	\$0	\$0	\$0	\$0

Q543000 Shipley's Choice Dam Rehab

Class: Water Quality Improvements

FY2018

Council Approved

Description

This project consists of the removal of the failing, existing dam, installation of stormwater management controls to replace those provided by the dam, reconstruction of the stream crossing under West Benfield Boulevard to prevent flooding of properties, and stream restoration.

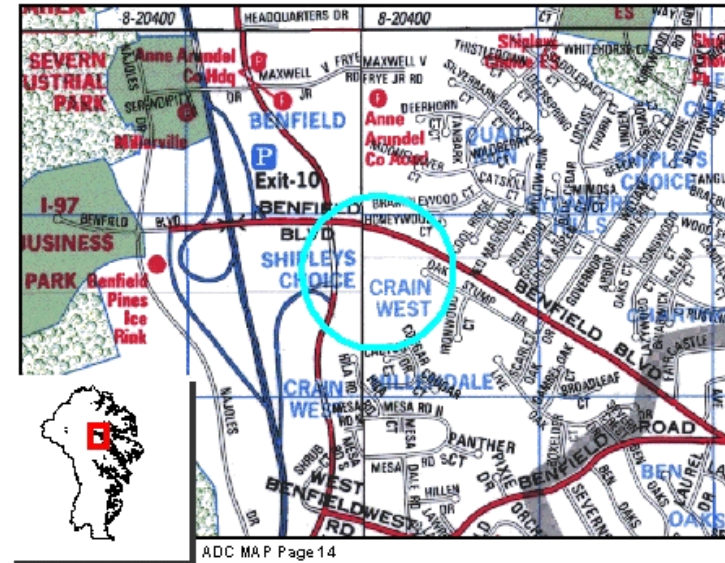
Stream restoration work is moved to and funded under new project B568000 within WPRP Class.

Benefit

Annual inspection of the dam revealed signs of eminent failure. After extensive study and in concert with the Maryland Department of the Environment, it was determined the best alternative is to remove the dam and install stormwater management controls, stream restoration and reconstruction of the crossing under West Benfield Road to prevent flooding of properties.

Amendment History

County Council removed \$600,000 of PayGo funding and replaced with Bonds via amendment #94 to Bill 24-09. County Council removed \$70k via AMD #28 to Bill 29-15.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$387,000	Plans and Engineering	\$387,000	\$387,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$923,000	Land	\$923,000	\$923,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$2,717,000	Construction	\$4,117,000	\$2,717,000	\$1,400,000	\$0	\$0	\$0	\$0	\$0	\$0
\$221,000	Overhead	\$221,000	\$221,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$4,248,000	Total	\$5,648,000	\$4,248,000	\$1,400,000	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$1,400,000	\$0	\$1,400,000	\$0	\$0	\$0	\$0	\$0	\$0

Q543000 Shipley's Choice Dam Rehab

Class: Water Quality Improvements

FY2018

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Complete Design
3. Action Required To Complete This Project: Construction and Performance

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: Increase based on latest cost estimate and fiscal analysis.
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: Indeterminate

Initial Total Project Cost Estimate

FY 2008 \$3,380,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$935,993	\$293,347	\$1,229,340
April 1, 2016	\$1,111,358	\$477,115	\$1,588,473

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$4,212,000	General County Bonds	\$5,612,000	\$4,212,000	\$1,400,000	\$0	\$0	\$0	\$0	\$0	\$0
\$36,000	General Fund PayGo	\$36,000	\$36,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$4,248,000	Total	\$5,648,000	\$4,248,000	\$1,400,000	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$1,400,000	\$0	\$1,400,000	\$0	\$0	\$0	\$0	\$0	\$0

Q551500 Barrensdale Outfall Restor

Class: Water Quality Improvements

FY2018

Council Approved

Description

This Project is for right-of-way acquisition and construction of stream restoration to a highly eroded stream channel from the outfall from the public stormwater management pond at Barrensdale Drive in the Magothy River Watershed. Construction includes modifications to the public stormwater management pond.

Funding to continue and complete the work begun under this project is moved to a new project B568200 in the WPRP Class.

Benefit

Provide water quality treatment for the pond's drainage area, thereby contributing to regulatory compliance under the County's NPDES MS4 Permit and will improve hydrology and ecology for the stream channel.

Amendment History



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$28,000	Land	\$28,000	\$28,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$2,000	Overhead	\$2,000	\$2,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$30,000	Total	\$30,000	\$30,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Q551500 Barrensdale Outfall Restor

Class: Water Quality Improvements

FY2018

Council Approved

Project Status

1. Current status of this Project: Inactive
2. Action taken in Current Fiscal Year: None
3. Action required to complete this Project: Funding continued under project B568200

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: None
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: Indeterminate

Initial Total Project Cost Estimate

FY 2013 \$995,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$27,247	\$0	\$27,247
April 1, 2016	\$27,247	\$0	\$27,247

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$30,000	General County Bonds	\$30,000	\$30,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	WPRF Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$30,000	Total	\$30,000	\$30,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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