



Wheaton Regional Dam Flooding Mitigation

(P801710)

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|---------------|-----------------------------------|----------------------|--------------------------|
| Category | Conservation of Natural Resources | Date Last Modified | 03/12/18 |
| SubCategory | Stormwater Management | Administering Agency | Environmental Protection |
| Planning Area | Kensington-Wheaton | Status | Planning Stage |

EXPENDITURE SCHEDULE (\$000s)

| Cost Elements | Total | Thru FY17 | Est FY18 | Total 6 Years | FY 19 | FY 20 | FY 21 | FY 22 | FY 23 | FY 24 | Beyond 6 Years |
|----------------------------------|-------|-----------|----------|------------------|-------|-------|-------|-------|-------|-------|-------------------|
| Planning, Design and Supervision | 1,030 | - | - | 1,030 | 70 | 80 | 100 | 460 | 320 | - | - |
| Construction | 4,500 | - | - | 4,500 | - | - | 230 | 2,670 | 1,600 | - | - |
| TOTAL EXPENDITURES | 5,530 | - | - | 5,530 | 70 | 80 | 330 | 3,130 | 1,920 | - | - |

FUNDING SCHEDULE (\$000s)

| Funding Source | Total | Thru FY17 | Est FY18 | Total 6 Years | FY 19 | FY 20 | FY 21 | FY 22 | FY 23 | FY 24 | Beyond 6 Years |
|-------------------------------------------|-------|-----------|----------|------------------|-------|-------|-------|-------|-------|-------|-------------------|
| Federal Aid | 3,000 | - | - | 3,000 | - | - | - | 2,670 | 330 | - | - |
| Current Revenue: Water Quality Protection | 2,530 | - | - | 2,530 | 70 | 80 | 330 | 460 | 1,590 | - | - |
| TOTAL FUNDING SOURCES | 5,530 | - | - | 5,530 | 70 | 80 | 330 | 3,130 | 1,920 | - | - |

APPROPRIATION AND EXPENDITURE DATA (\$000s)

| | | | |
|-----------------------------|-------|--------------------------|-------|
| Appropriation FY 19 Request | - | Year First Appropriation | FY16 |
| Appropriation FY 20 Request | - | Last FY's Cost Estimate | 5,050 |
| Cumulative Appropriation | 2,950 | | |
| Expenditure / Encumbrances | - | | |
| Unencumbered Balance | 2,950 | | |

PROJECT DESCRIPTION

This flood mitigation project, located along Glenhaven Drive and Dennis Avenue in Wheaton, will excavate and expand the stream channel upstream of the Wheaton Regional Pond and modify the pond's riser structure. This project will be constructed in parallel with the Department of Transportation's (DOT) Dennis Avenue bridge replacement. The two projects will modify the current 100-year floodplain boundary just upstream of the pond. The post-project 100-year floodplain will not include the residential properties located in the current 100-year floodplain.

ESTIMATED SCHEDULE

The riser modification and channel design will begin in FY18 with the riser repair construction starting in FY21. The excavation of the channel will occur in coordination with DOT's culvert replacement in FY22 and FY23.

COST CHANGE

Project increase is due to revised Planning, Design, and Supervision cost estimates.

PROJECT JUSTIFICATION

An engineering analysis by the Department of Environmental Protection (DEP) indicates that the effect of the riser structure associated with the Wheaton Regional Pond, the Dennis Avenue Culvert, and an undersized stream channel along Glenhaven Drive, cumulatively, will cause flooding of roads and private property during a 100-year storm event. Flooding of adjacent roads and private property has already occurred in 2006 and 2010. The County is seeking a map revision (LOMR) to the Federal Emergency Management Agency (FEMA) panel for this area to have the 100-year floodplain updated to reflect existing conditions.

FISCAL NOTE

This project will be done in conjunction with the DOT Dennis Avenue bridge replacement project. The County will also partner with the Maryland Emergency Management Agency (MEMA) to seek FEMA Pre-Disaster Mitigation (PDM) Grant Program funding for the channel modifications.

COORDINATION

Department of Transportation, Federal Emergency Management Agency, Maryland Emergency Management Agency, Dennis Ave Bridge M-0194 Replacement (No. 501701)