

Wheaton Regional Dam Flooding Mitigation (P801710)

Category Conservation of Natural Resources
 Sub Category Stormwater Management
 Administering Agency Environmental Protection (AAGE07)
 Planning Area Kensington-Wheaton

Date Last Modified 5/5/17
 Required Adequate Public Facility No
 Relocation Impact Yes
 Status Planning Stage

| Total | Thru FY16 | Rem FY16 | Total 6 Years | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 | FY 22 | Beyond 6 Yrs |
|-------|-----------|----------|---------------|-------|-------|-------|-------|-------|-------|--------------|
|-------|-----------|----------|---------------|-------|-------|-------|-------|-------|-------|--------------|

EXPENDITURE SCHEDULE (\$000s)

| | | | | | | | | | | | |
|----------------------------------|--------------|----------|----------|--------------|----------|------------|-----------|-----------|------------|--------------|--------------|
| Planning, Design and Supervision | 559 | 0 | 0 | 459 | 0 | 159 | 50 | 50 | 50 | 150 | 100 |
| Land | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Site Improvements and Utilities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Construction | 4,491 | 0 | 0 | 2,891 | 0 | 0 | 0 | 0 | 225 | 2,666 | 1,600 |
| Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 5,050 | 0 | 0 | 3,350 | 0 | 159 | 50 | 50 | 275 | 2,816 | 1,700 |

FUNDING SCHEDULE (\$000s)

| | | | | | | | | | | | |
|--------------------------------|--------------|----------|----------|--------------|----------|------------|-----------|-----------|------------|--------------|--------------|
| Federal Aid | 3,000 | 0 | 0 | 2,666 | 0 | 0 | 0 | 0 | 0 | 2,666 | 334 |
| Water Quality Protection Bonds | 2,050 | 0 | 0 | 684 | 0 | 159 | 50 | 50 | 275 | 150 | 1,366 |
| Total | 5,050 | 0 | 0 | 3,350 | 0 | 159 | 50 | 50 | 275 | 2,816 | 1,700 |

APPROPRIATION AND EXPENDITURE DATA (000s)

| | | |
|------------------------------------|-------|-------|
| Appropriation Request | FY 18 | 0 |
| Supplemental Appropriation Request | | 0 |
| Transfer | | 0 |
| Cumulative Appropriation | | 2,950 |
| Expenditure / Encumbrances | | 0 |
| Unencumbered Balance | | 2,950 |

| | | |
|--------------------------|-------|-------|
| Date First Appropriation | FY 16 | |
| First Cost Estimate | | |
| Current Scope | FY 17 | 5,050 |
| Last FY's Cost Estimate | | 5,050 |

Description

This flood mitigation project, located along Glenhaven Drive and Dennis Avenue in Wheaton, will excavate and expand the inflow channel (along Glenhaven) 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 return the Wheaton Branch 100-year floodplain to the stream channel, and will remove 5 new homes and 13 total properties from the newly amended 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.

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)