

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2023

Mount Vernon

Fund 300-C30010

Project Number GF-000019-002

Project Name Workhouse Bldg W13/W15

Project Description

Renovation of the approximately 10,000 square feet in two buildings, W-13 and W-15, on the Workhouse Campus located at 9514 and 9517 Workhouse Way, Lorton, VA.

Total Project Estimate \$7,050,000

Future Funding TBD

Project Phase Construction

Construction Award 03/14/2022 (A)

Project Complete Summer - 2023

Remarks

From 7/2023 through 9/2023, building close-out work continued at Buildings W13 and W15. Workhouse W13/W15 plaza, trail, site, and landscaping work also progressed. On 3/6/23, a Building W13 lease was signed with Bunnyman Brewery. W13 tenant fit-out permit coordination is on-going with LDS and W13 completion efforts have been prioritized to the end of September 2023. A tenant walk-thru meeting was held at Building W13 on September 29, 2023. Building W15 and project site acceptance are planned for the end of October 2023. Building W15 tenant leasing and marketing activities continue.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2023

Mount Vernon

Fund 300-C30010
Project Number HS-000019-001
Project Name Eleanor Kennedy Shelter
Project Description

New replacement of the existing facility at 9155 Richmond Highway, Fort Belvoir, Virginia 22060. The new facility will be located at 2801 Beacon Hill Road, Alexandria.

Total Project Estimate \$12,000,000
Future Funding TBD
Project Phase Pre-Design

Construction Award

Project Complete

Remarks

An Advisory Committee meeting to present the concept design was held on 7/13/23, and an in-person meeting with the community to present the revised concept design and receive feedback was held on 7/27/23. The Building Design Branch authorized BKV Group (BKV) to proceed with the Schematic Design Phase on 8/11/23. A meeting with the BKV team to review the sustainability goals was held on 8/25/23 and a follow up meeting with Whitman, Requardt & Associates to review the three proposed HVAC systems and narratives was held on 8/28/23. Coordination meetings to review the rezoning requirements with the Department of Planning and Development were held on 9/20/23 and 9/29/23.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2023

Mount Vernon

Fund 300-C30070
Project Number FS-000015-001
Project Name Penn Daw Fire Station

Project Description

New construction of a 5-bay fire station to replace the existing Fire Station located at 6624 Hulvey Terrace, Alexandria. The station will be relocated to 2801 Beacon Hill Road, Alexandria.

Total Project Estimate \$15,400,000
Future Funding TBD
Project Phase Pre-Design

Construction Award

Project Complete

Remarks

An Advisory Committee meeting to present the concept design was held on 7/13/23, and an in-person meeting with the community to present the revised concept design and receive feedback was held on 7/27/23. The Building Design Branch authorized BKV Group (BKV) to proceed with the Schematic Design Phase on 8/11/23. A meeting with the BKV team to review the sustainability goals was held on 8/25/23 and a follow up meeting with Whitman, Requardt & Associates to review the three proposed HVAC systems and narratives was held on 8/28/23. Coordination meetings to review the rezoning requirements with the Department of Planning and Development were held on 9/20/23 and 9/29/23.

Legend

(A) Actual
Winter - January, February, March
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Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2023

Mount Vernon

Fund 300-C30070
Project Number FS-000054-001
Project Name Gunston Fire Station
Project Description

Renovation/expansion or replacement of Gunston Fire Station with three apparatus bays. The project is located at 10417 Gunston Road, Lorton VA 22079.

Total Project Estimate \$13,000,000
Future Funding TBD
Project Phase Design
Construction Award Spring - 2024
Project Complete Summer - 2026

Remarks

The 50% construction documents were received on 7/21/2023. The site permit is currently under review by Land Development Services (LDS) and the response to comments on the first 2232 submission were returned on 9/26/2023. The 100% construction documents submission is scheduled for 10/30/2023.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2023

Mount Vernon

Fund 300-C30070
Project Number PS-000009-001
Project Name South County Police Station/Animal Shelter
Project Description

A new 54,000 SF Police facility, including a 31,000 SF Police Station (8855 Lorton Road) and a 23,000 SF Animal Services Facility (8875 Lorton Road). Location will be the Lorton Road Triangle Site between Workhouse and Hooes Roads .

Total Project Estimate \$36,750,000
Future Funding \$3,050,000
Project Phase Construction
Construction Award 12/01/2020 (A)
Project Complete Fall - 2023

Remarks

Non-RUP received on 9/27/23. Work on the Police Station and Animal Shelter is near completion . Catio construction is in progress. Kennel transfer door hardware received, installation in progress. HVAC testing and balancing (TAB) report, commissioning, and punch list work in progress. Repair work for the monument sign and installation of site access control/security devices in progress. Projected Substantial Completion by late October 2023.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2023

Mount Vernon

Fund 400-C40101
Project Number SD-000031-256
Project Name Dogue Creek @ Old Mill Road

Project Description
Restoration of ~2800 LF of stream channel downstream of Rte 1 stream crossing to improve ecological condition and water quality.

Total Project Estimate \$2,736,000
Future Funding \$1,987,967
Project Phase Design

Construction Award

Project Complete

Remarks

Project is in the land acquisition phase and appraisals have been ordered for 12 lots. The proposed restoration would be on private property and include 4 owners with the majority being under one owner. Stream right has existing easements but contain quality forest and a significant archaeological site that is owned by Mount Vernon Ladies Association. Stream left is all private property and the land acquisition estimate was significant and appraisals have been ordered to evaluate exact cost.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2023

Mount Vernon

Fund 400-C40101
Project Number SD-000033-096
Project Name Crosspointe Section 18 Pond Improvement (0772DP)

Project Description

Maintenance to increase the performance of the facility and reduce the future maintenance in the future. This will include riser/trash rack modification which includes the construction of a wingall and apron, the construction a sediment forebay with acces road, removal of sediment throughout the pond and enhancement of the facility thorough lengthening the flow path while creating micro-pools and installing plantings.

Total Project Estimate \$989,261
Future Funding \$100,421
Project Phase Construction
Construction Award 08/28/2023 (A)
Project Complete Spring - 2024

Remarks

NTP was issued September 11, 2023.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2023

Mount Vernon

Fund 400-C40101
Project Number SD-000033-115
Project Name Newington Commons, Sec. 1 Pond B (0283DP)
Project Description
Replace the priciples structures and dam. Remove sediment.

Total Project Estimate TBD
Future Funding TBD
Project Phase Construction
Construction Award
Project Complete
Remarks

Final proposal being routed for authorization.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2023

Mount Vernon

Fund 690-C69300
Project Number WW-000001-013
Project Name Accotink Pump Station Rehabilitation
Project Description

Rehabilitate the mechanical components of the Accotink Pump Station and replace the force main . This project follows the generator and switchgear replacement projects, completed in 2007 and 2016, respectively. Most of the mechanical components were installed in 1977 except for the pumps, which were replaced in 1998. These components have reached the end of their useful lives.

Total Project Estimate \$104,565,443
Future Funding \$98,235,769
Project Phase Design
Construction Award 12/20/2023 (A)
Project Complete Summer - 2025

Remarks

95% comments are currently being addressed for bid ready documents. Ft. Belvoir approval for the project continues. Contractors have been pre-qualified for the project. Input was requested on the draft provisions for the project labor agreement from the pre-qualified contractors.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2023

Mount Vernon

Fund 690-C69300
Project Number WW-000001-019
Project Name Pumping Stations - Wellington II Pump Station Rehabilitation
Project Description

Project includes the replacement of the existing pneumatic ejectors with a package submersible pump station, installation of a new 410 LF 2-inch parallel force mains and rehab of 430 LF of 8-inch gravity sewer.

Total Project Estimate \$2,452,442
Future Funding \$89,466
Project Phase Post-Construction
Construction Award 12/11/2020 (A)
Project Complete 10/31/2022 (A)

Remarks

Project was substantially completed on 10/31/22. Remaining Proposed Change Orders are being processed into Change Orders with the Contractor subject to Liquidated Damages. The end of warranty field inspection was completed on 9/18/23.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2023

Mount Vernon

Fund 690-C69300

Project Number WW-000001-020

Project Name Pumping Stations - Wellington I Pump Station Rehabilitation

Project Description
Rehabilitation of this 60-year-old pump station includes replacement of aging infrastructure and modernization of operations and maintenance capabilities.

Total Project Estimate \$2,879,977

Future Funding \$2,438,844

Project Phase Design

Construction Award Winter - 2024

Project Complete Spring - 2025

Remarks

Design changes are being incorporated into the design documents prior to permit submittal.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2023

Mount Vernon

Fund 690-C69300
Project Number WW-000001-023
Project Name Pumping Stations - Jones Point Facilities
Project Description
This project will replace the Jones Point Pump Station, Screening Facility and the Metering Station.

Total Project Estimate \$12,411,676
Future Funding \$12,155,901
Project Phase Design
Construction Award Summer - 2026
Project Complete Winter - 2028

Remarks

On 6/16/23, a task order authorizing up to \$50,000 was approved allowing the Architect/Engineer to continue design while the detailed design scope of work and fee proposal being negotiated. To date, 35% of the authorized \$50,000 amount has been billed. Coordination is occurring w/ FCDOT and County Attorney's office to determine if pump station can be located in the County right-of-way strip. Envision Certification to be pursued for this project.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
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Mount Vernon

Fund 690-C69300

Project Number WW-000001-027

Project Name Pumping Stations - Oxford and Washington Woods Pump Stations

Project Description

Replacement of Oxford Pump Station, and Rehabilitation of Washington Woods Pump Station . Consisting of replacement of major equipment and necessary upgrades to accommodate flow increase (if anticipated) as well as current design standards.

Total Project Estimate \$6,483,648

Future Funding \$6,185,599

Project Phase Pre-Design

Construction Award

Project Complete

Remarks

Architect/Engineer submitted the Final Preliminary Engineering Report for Oxford and Washington Woods Pump Stations and PER is under review.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2023

Mount Vernon

Fund 690-C69300
Project Number WW-000001-029
Project Name Pumping Stations - Freund House Pump Station Screens Replacement
Project Description

The screening facilities at the Freund House Pump Station are in need of replacement.

Total Project Estimate \$1,588,778
Future Funding \$92,409
Project Phase Design
Construction Award Fall - 2023
Project Complete Spring - 2024

Remarks

The bid-ready documents have been reviewed and are being edited. All permits have been acquired. The mechanical screen vendor is updating/revising the shop drawings for resubmittal. Notice-to-Proceed is projected to be Winter of 2024 with substantial completion in Spring 2024.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2023

Mount Vernon

Fund 690-C69300

Project Number WW-000001-032

Project Name Pumping Stations - Edgewater / The Fairfax Pump Stations

Project Description

Rehabilitation of Edgewater and Fairfax pump stations. Consisting of replacement of major equipment and necessary upgrades to accommodate flow increase (if anticipated) as well as current design standards.

Total Project Estimate \$2,795,000

Future Funding \$2,789,940

Project Phase Pre-Design

Construction Award Summer - 2023

Project Complete Spring - 2024

Remarks

The preliminary engineering report scope of work has been negotiated and in process of obtaining approvals.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2023

Mount Vernon

Fund 690-C69300

Project Number WW-000001-033

Project Name Pumping Stations - Waynewood I & II Pump Stations

Project Description

Rehabilitation of both Waynewood I and Waynewood II Pump Stations . Consisting of replacement of major equipment and necessary upgrades to accommodate increased flows (if anticipated) as well as current design standards.

Total Project Estimate \$9,298,037

Future Funding \$8,758,344

Project Phase Pre-Design

Construction Award

Project Complete

Remarks

Architect/Engineer submitted the Final Preliminary Engineering Report for Oxford and Washington Woods Pump Stations and PER is under review.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2023

Mount Vernon

Fund 690-C69300
Project Number WW-000001-034
Project Name Pumping Stations - Covanta Force Main Replacement
Project Description

This project will replace approximately 2,600 LF section of aging Ductile Iron Pipe Force Main along Lorton Road. This is the newer section of the force main that was replaced as part of the 2010 Lorton Road widening project but showed deterioration since.

Total Project Estimate \$12,337,941
Future Funding \$11,083,305
Project Phase Design
Construction Award Summer - 2023
Project Complete Spring - 2024

Remarks

SAM has completed the additional designation services and test holes for the project.
The Architect/Engineer (A/E) has delivered the 100% design, which has been reviewed and finalized by WDCD and WCD.
The finalized 100% design set has been shared with the Park Authority for their input .
A/E has submitted the 95% design for phase 2, currently under review.
Services During Construction fee and proposal have been provided by the A/E and has been reviewed and TO approval and associated fund encumbrance are underway.
The Total Project Estimate remains unaffected by the additional services .
Initiatives to secure permanent easement from the Park Authority and necessary permits are in progress .

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2023

Mount Vernon

Fund 690-C69300
Project Number WW-000005-004
Project Name Integrated Sewer Metering - Integrated Sewer Metering Project 4
Project Description

Project #4 includes the rehabilitation of 30 sanitary sewer flow metering vaults. These metering vaults are located throughout Fairfax County and neighboring jurisdictions.

Total Project Estimate \$8,447,819
Future Funding \$7,703,320
Project Phase Design
Construction Award Fall - 2024
Project Complete Fall - 2025

Remarks

The 95% design based on the reduced scope was submitted by the Architect/Engineer on 7/18/23. Title searches were completed by Land Acquisition Division on 9/26/23.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2023

Mount Vernon

Fund 690-C69300

Project Number WW-000007-007-A

Project Name Collection System Replacement and Rehabilitation - Little Hunting Creek Force Main Rehabilitation

Project Description

Replacement of the 30 inch diameter, 4,556 LF Little Hunting Creek Force Main, which is primarily located within the Woodland Park neighborhood in Alexandria.

Total Project Estimate \$13,215,880

Future Funding \$11,677,358

Project Phase Design

Construction Award Fall - 2023

Project Complete Winter - 2025

Remarks

The Land Development Services' Land Disturbance Permit was issued on 8/17/23, and the Virginia Department of Transportation Permit was issued on 9/15/23. Bid advertisement to qualified bidders occurred in late September 2023. Four contractors have been prequalified for this project.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2023

Mount Vernon

Fund 690-C69300

Project Number WW-000008-004

Project Name Force Main Rehabilitation - Mount Vernon Terrace FM Replacement

Project Description

Replacement of a 1,246 LF 6" diameter sanitary sewer force main. (This project originated from the July 2011 Force Main Condition Assessment Report.)

Total Project Estimate \$2,862,031

Future Funding \$207,928

Project Phase Construction

Construction Award 09/20/2022 (A)

Project Complete Summer - 2024

Remarks

The project is currently under construction. The construction of the gravity sewer is nearing completion. Force main construction is upcoming.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2023

Mount Vernon

Fund 690-C69300
Project Number WW-000008-011
Project Name Force Main Rehabilitation - Wellington I Force Main Rehabilitation
Project Description

Open cut replacement of a 1,400 LF 4-inch diameter sanitary sewer force main.

Total Project Estimate \$1,381,459
Future Funding \$1,276,828
Project Phase Design
Construction Award Winter - 2024
Project Complete Winter - 2025

Remarks

Permitting for the project is underway. Wetlands delineation is underway. Permits from National Park Service, Army Corps of Engineers, and Fairfax County are required for the project.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2023

Mount Vernon

Fund 690-C69300
Project Number WW-000008-012
Project Name Force Main Rehabilitation - Riverwood Force Main Rehabilitation
Project Description
Replacement of a 673 LF 4" diameter sanitary sewer force main in the Riverwood neighborhood located in the Mount Vernon area.

Total Project Estimate \$2,016,256
Future Funding \$19,914
Project Phase Construction
Construction Award 07/07/2023 (A)
Project Complete Winter - 2024

Remarks

Notice-to-Proceed was issued to C.A. Murren on 8/7/2023. Work is to be substantially completed by 2/2/2024.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2023

Mount Vernon

Fund 690-C69300
Project Number WW-000009-002
Project Name Noman Cole Treatment Plant Renewal - Motor Control Center and Distribution Center Replacements
Project Description
Replacement, refurbishment, and/or modification of electrical distribution centers and motor control centers plant-wide and related work.

Total Project Estimate \$103,000,000
Future Funding \$102,618,336
Project Phase Construction
Construction Award 04/09/2016 (A)
Project Complete Summer - 2023

Remarks

Project at the finish line. Clark, the contractor, to close the site permit after installing the storm CDS. After closing the permit the final completion can be initiated.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2023

Mount Vernon

Fund 690-C69300
Project Number WW-000009-012
Project Name Noman Cole Treatment Plant Renewal- Raw Wastewater Pumping System Rehabilitation/Replacement- B3

Project Description

B3 Rehabilitation consisting of demolition of existing 6" header and wall cleaning system on EQ Tanks No. 1-4, demolition of WWR Pumps and above grade WWR piping in Tanks No. 1-5, replacement of sump pumps and valves in the existing valve vaults, replacement of 1-ton crane, installation of Odor Control System in Tank No. 1, installation of aluminum cover for Tank No. 1

Total Project Estimate \$17,650,000
Future Funding \$2,913,533
Project Phase Construction
Construction Award 11/11/2022 (A)
Project Complete Fall - 2023

Remarks

36" Isolation valve, control valve, actuator and pipes in a valve vault for EQ tank 3, 4 & 5 were replaced. RDTs for tank 3 and 4 were successfully completed. MCC-B3 was delivered to site and installed. Pulled feeder wires from MTS-18 to the new MCC. Transferred power from existing power center to the new MCC by coordinating with Dominion Energy. Mechanical contractor completed installing ducts and expansion joints for Odor Control system. Lightning protection, surveillance cameras and HVAC control system are being installed. Refrigerant lines for HVAC system were installed. Vendor training for MCC and Automatic Transfer Switch was provided to the Plant staff. Odor Control system and HVAC equipment commissioning in progress.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2023

Mount Vernon

Fund 690-C69300
Project Number WW-000009-013
Project Name Noman Cole Treatment Plant Renewal - Modernization of Support and Administrative Facilities
Project Description
Upgrade/rehab non-process buildings & spaces at Noman M. Cole, Jr., Pollution Control Plant.

Total Project Estimate \$4,200,000
Future Funding \$2,513,080
Project Phase Design
Construction Award Summer - 2023
Project Complete Winter - 2025

Remarks

Completion of the bid documents for Construction Contract #1 (for trailers and new parking lot) is still waiting the site permit approval, However, the engineer is currently working on finalizing the 95% drawings/specs package and it's received on the week of Sep 11th.
For contract #2 shop renovations, buildings A, A2, L, & T, it's expected to receive the 95% design package max by end of October.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT

September 2023

Mount Vernon

Fund 690-C69300
Project Number WW-000009-016
Project Name Noman Cole Treatment Plant Renewal - Primary and Secondary Sustaining Project 1
Project Description

Project will meet short-term rehabilitation needs of primary & secondary facilities at the Noman M. Cole, Jr., Pollution Control Plant. The scope includes 106 elements to improve the safety and operations for the next 15 years.

Total Project Estimate \$130,900,000
Future Funding \$130,579,603
Project Phase Construction
Construction Award 08/08/2022 (A)
Project Complete Winter - 2027

Remarks

Installed support of excavation for Primary Sedimentation Tank Drain Pump Station . Continue to install electrical conduits, gas monitoring devices, panels, pulling and terminating wires in Bldg. E1 and E2 gallery. Demolished high mast light poles. Installation of 18" secondary effluent plant water line and associated vault is in progress. Major shutdown for RAS header was coordinated with Operations to replace valves in Bldg. E2 gallery and in secondary circular clarifiers vaults. Contractor had multiple crews working 24-hours rotating shifts for 5 days. Saw cut top slab of four secondary circular clarifiers (SCE) 5-8 valve vaults, installed temporary monorail in Bldg. E2.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2023

Mount Vernon

Fund 690-C69300
Project Number WW-000009-018
Project Name Raw Wastewater Pumping System Rehabilitation/Replacement- B4
Project Description

This project is to rehabilitate B2 equalization pump station, to construct B4 new pump station with the associated force mains and to demo the existing B raw wastewater pump station.

Total Project Estimate \$242,532,019
Future Funding \$242,335,388
Project Phase Design
Construction Award Fall - 2023
Project Complete Fall - 2029

Remarks

A briefing session is scheduled to present the results of our evaluation of comparing the cost estimates provided by Clark Construction Group and Jacobs . Also, a briefing session will be scheduled to receive authorization for the bid packages to be advertisement by Clark. Have received LDS Site permit and VDOT permit. The Letter of Agreement for the Dominion fees was approved . The project is currently on budget. Envision certification will be acquired for this project.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2023

Mount Vernon

Fund 690-C69300
Project Number WW-000009-020
Project Name Noman Cole Treatment Plant Renewal - Admin and Laboratory Building Rehabilitation
Project Description
Assess the existing HVAC system condition / Upgrade the 24/7 Laboratory and Administration Bldg. HVAC system.

Total Project Estimate \$4,000,000
Future Funding \$3,989,638
Project Phase Pre-Design

Construction Award

Project Complete

Remarks

The selection advisory committee members scored the firm, Reference checks were conducted with previous owners, we received positive feedback for the selected firm, and as a result, finally we have decided to proceed with them. And a recommendation memo was prepared.
Dewberry has been notified that they are selected, and to start to schedule a pre-proposal meeting to start to develop their proposal.
Dewberry is working to develop a primary proposal for the scope of work.

The firm has been notified via email that they are selected; On August 16th a pre-proposal meeting was conducted with all stakeholders to enable Dewberry to develop their proposal for the PER (preliminary Engineering Report)

Legend

(A) Actual
Winter - January, February, March
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Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
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Mount Vernon

Fund 690-C69300

Project Number WW-000009-021

Project Name Noman Cole Pollution Control Plant Master Plan 2023

Project Description

A Master Plan study to provide an integrated plan that will assist Noman Cole Pollution Control Plant to maintain the current levels of service for the next 20-30 years, and to anticipate the need for future levels of service.

Total Project Estimate \$2,700,000

Future Funding \$2,692,480

Project Phase Study

Construction Award

Project Complete

Remarks

Statement of Qualifications received in early June were reviewed, and the shortlist meeting was held in August.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2023

Mount Vernon

Fund 690-C69300
Project Number WW-000028-007
Project Name Gravity Sewers - Small Diameter Sewer Replacement #2 (Sewer Sag #2)
Project Description
Design for replacement of 7 small-diameter defective sewer pipes.

Total Project Estimate \$6,697,082
Future Funding \$6,272,034
Project Phase Design
Construction Award Winter - 2023
Project Complete Winter - 2024

Remarks

Contractor is working on Alternate Bid and additional comments to bid ready documents.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
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Mount Vernon

Fund 690-C69300

Project Number WW-000028-027

Project Name Gravity Sewers - Belleview Boulevard-Potomac Avenue

Project Description

Replacement of 470 LF of deteriorated 12-inch pipe from manhole 090-2-095 and 093-2-069 along Belleview Blvd. and from manhole 093-2-069 to 093-2-165 along Potomac Avenue.

Total Project Estimate \$2,850,000

Future Funding \$2,847,946

Project Phase Pre-Design

Construction Award

Project Complete

Remarks

Design task order scope negotiation is underway.

Legend

(A) Actual

Winter - January, February, March

Spring - April, May, June

Summer - July, August, September

Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2023

Mount Vernon

Fund 690-C69300
Project Number WW-000028-040
Project Name Gravity Sewers - Park Terrace Manhole
Project Description
Install new MH 093-4-198 where missing manhole is. Replace pipeline from MH 093-4-199 to MH-093-4-198A

Total Project Estimate \$526,000
Future Funding \$524,589
Project Phase Pre-Design
Construction Award
Project Complete
Remarks

Task order negotiations for design and service during construction (SDC) are underway.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2023

Mount Vernon

Fund 690-C69310
Project Number WW-000017-003-D
Project Name Noman Cole Treatment Plant Renovations - Solids Processing Rehabilitation – Phase III
Project Description
Rehabilitation of solids processes including storage, dewatering, incineration, and ash collection.

Total Project Estimate \$214,002,963
Future Funding \$213,325,516
Project Phase Construction
Construction Award 01/20/2020 (A)
Project Complete Fall - 2024

Remarks

Per approved pay application #43 for work completed through the end of 8/2023, construction is 72% complete.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2023

Mount Vernon

Fund 690-C69310

Project Number WW-000017-003-F

Project Name Noman Cole Treatment Plant Renovation - Solids Processing Rehabilitation - Phase 4

Project Description

Replacement of the solids dewatering system at the Noman M. Cole, Jr., Pollution Control Plant. This project includes replacement of the dewatering centrifuges, dewatered sludge cake hopper, dewatered sludge cake pumps, and dewatered sludge piping.

Total Project Estimate \$50,000,000

Future Funding \$49,985,927

Project Phase Pre-Design

Construction Award

Project Complete

Remarks

Equipment Re-Evaluation draft Technical Memorandum (TM) was approved by Plant. Engineer is being authorized to start the equipment preselection.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2023

Mount Vernon

Fund 690-C69310

Project Number WW-000017-012

Project Name Noman Cole Treatment Plant Renovations - Accotink Odor Control Facility

Project Description

Design of Accotink Odor Control Facility located at the Noman M. Cole, Jr., Pollution Control Plant will characterize nuisance odors & construct an odor control facility for reduction of off-site plant odors.

Total Project Estimate \$12,668,000

Future Funding \$11,502,772

Project Phase Construction

Construction Award Summer - 2023

Project Complete Spring - 2025

Remarks

PC Construction awarded the contract on 7/20/23. Contract fully executed on 8/16/23. NTP sent to PC construction, and it will be on 9/18/23.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2023

Mount Vernon

Fund 690-C69310
Project Number WW-000017-013
Project Name Noman Cole Treatment Plant Renovations- Major Sustaining Project (Ph1: PM and In-house Design)
Project Description

Major Sustaining Program (MSP) is a long-term sustaining program identifying & addressing tertiary processes needs to keep them functional for another 20 years. There are three phases of the MSP program based on the Preliminary Engineering Report . This project covers MSP Phase 1: Program Management and In House Projects Design.

Processes include tertiary filtration, MBBR, tertiary clarifiers, blowers, chemical addition, screening, ASE PS, Primary Sludge Grit Removal, and more.

Total Project Estimate \$8,470,000
Future Funding \$6,225,054
Project Phase Design
Construction Award
Project Complete
Remarks

Design is in progress.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2023

Mount Vernon

Fund 690-C69310
Project Number WW-000017-015
Project Name Noman Cole Treatment Plant Renovations - Rehabilitation of the ASE Pump Station

Project Description

Rehabilitation of the Activated Sludge Effluent (ASE) Pump Station which conveys secondary effluent to the Moving Bed Biological Reactor Facility process.

The work at the Activated Sludge Effluent Pump Station (ASE PS; Building BB) includes replacement of six vertical turbine pumps, replacement of seven cast-iron sluice gates and seven actuators and replacement of 14 valves and six actuators.

Total Project Estimate \$23,700,000
Future Funding \$23,338,672
Project Phase Construction
Construction Award Summer - 2022
Project Complete Spring - 2026

Remarks

The contractor is actively working to procure the bypass pumping, The six 10MGD pumps for the bypass system are in place and the Contractor is working on the piping connection. The Electrical contractor modified DC-106 switchgear, the old exterior, interior Chlorine lines have been demolished, Bypass pumps Cables were pulled and ready to be connected to DC-106, Pump #5 VFD tested.

The Bypass pumping system anticipated to be Inservice by mid of October.

Three Chlorine contact tank Sluice gates, DI Pipe / Couplings have been delivered to the plant.

The project is currently on budget.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2023

Mount Vernon

Fund 690-C69310

Project Number WW-000017-018

Project Name Noman Cole Treatment Plant Renovations- APW/ County Water System Optimization

Project Description

Develop hydraulic model for Advanced Plant Water (APW) system and county water (CW) system at the Noman Cole Pollution Control Plant site. Include field verification and field testing to calibrate the model. After the model is calibrated, it can then be used to optimize the water systems based on pressure and demands.

Total Project Estimate \$796,120

Future Funding \$17,539

Project Phase Pre-Design

Construction Award

Project Complete Spring - 2024

Remarks

Field tests for both APW and CW systems were performed in late August. Model calibrations are in progress.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2023

Mount Vernon

Fund 690-C69310
Project Number WW-000017-021
Project Name MSP - FF Gates Improvements Project
Project Description

Improvements to FF gates to reduce backwash water return.

Total Project Estimate \$12,295,000
Future Funding \$12,284,303
Project Phase Design
Construction Award Spring - 2024
Project Complete Winter - 2027

Remarks

Per approved pay application #02 for work completed through the end of 7/2023, design is 4% complete.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2023

Mount Vernon

Fund 690-C69310
Project Number WW-000017-022
Project Name MSP - FF Capacity Improvements
Project Description

The PER identified and subsequent pilot studies further confirmed the deep-bed monomedia filters to be capable of increasing the runtime, reducing backwash wastewater generation, and increasing the treatment capacity of FF filters while achieving turbidity and reuse application requirements. Additionally filters 9 and 10 would be retrofitted to be put into service and increase the overall capacity of the FF Filter Facility.

Total Project Estimate \$96,150,000
Future Funding \$96,148,531
Project Phase Design
Construction Award
Project Complete
Remarks

Workshop on media and underdrain selections was held in late August. The 35% design is in progress.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2023

Mount Vernon

Fund 690-C69310
Project Number WW-000017-023
Project Name MSP- MBBR Capacity Improvements

Project Description

The PER identified tasks to equip and operate the sixth MBBR train in partial nitrification/denitrification/anammox mode (PANDA/PdNA), and to replace a single blower to reduce the Dissolved Oxygen levels of the MBBR effluent and subsequently reduce the energy costs . Implementation of PANDA mode in the sixth MBBR train will allow full-scale pilot testing of PANDA to inform future conversation/design of other MBBR trains.

Total Project Estimate \$17,452,000
Future Funding \$17,441,518
Project Phase Design
Construction Award
Project Complete
Remarks

The project is a fast-track design and 50% design is anticipated to be issued by end of November 2023.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT

September 2023

Mount Vernon

Fund 810-C81403
Project Number HF-000178-002
Project Name OMVHS LLC Project

Project Description

Renovation of the approximately 140,000 square foot historic high school building and associated sitework, infrastructure, and facilities on campus for adaptive reuse for educational and community use programs.

Total Project Estimate \$93,650,000
Future Funding \$57,500,000
Project Phase Design

Construction Award

Project Complete

Remarks

The solar panel design coordination with OEEC and Electrical Vehicle charging station coordination with DVS were on 7/24/23. The 100% Construction Documents were submitted on 8/16/23. The building permit plans were approved by mechanical, plumbing, and electrical disciplines. The finishes meeting with NCS was held on 8/23/23. A meeting with the A/E consultants and CMAR to discuss the final revisions to the design was held on 9/8/23. The SEA was approved by the BOS on 9/26/23. The construction cost estimate was received on 9/27/23. A working group in coordination with NCS and Supervisor's office was formed for the branding efforts. P3B is working on preparing the bid authorization documents.

Legend

(A) Actual
Winter - January, February, March
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Summer - July, August, September
Fall - October, November, December