

# Office of Transportation

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PLANNING ADVISORY BOARD

CAPITAL IMPROVEMENT PROGRAM

FY2025- FY2030

# Long Range Plan

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## *Move Anne Arundel!* (2019)

- Component Plans
  - Corridor Growth Management Plan (2012)
  - Complete Streets Guidance (2014)
  - Major Intersections & Important Facilities (2016)
  - Central Maryland Transit Development Plan (2018)
  - Walk and Roll (Bicycle & Pedestrian Master Plan) (2023)
- Updates
  - Transit Development Plan (Anticipated Spring of 2024)

## *Vision Zero Plan* (2022)

# C565500 - Odenton MARC TOD Dev Ph 1 and 2A

**Scope:** Anne Arundel County is partnering with the MDOT to develop a new ground up approximately 1000+/- car structured parking garage with modern amenities on the West Lot adjacent to the train platform and Kiss & Ride The Project is intended to be the first phase of a multi-phase development approach to the larger transit-oriented development site/s surrounding the Odenton MARC train station.

**Budget:** \$55,593,000

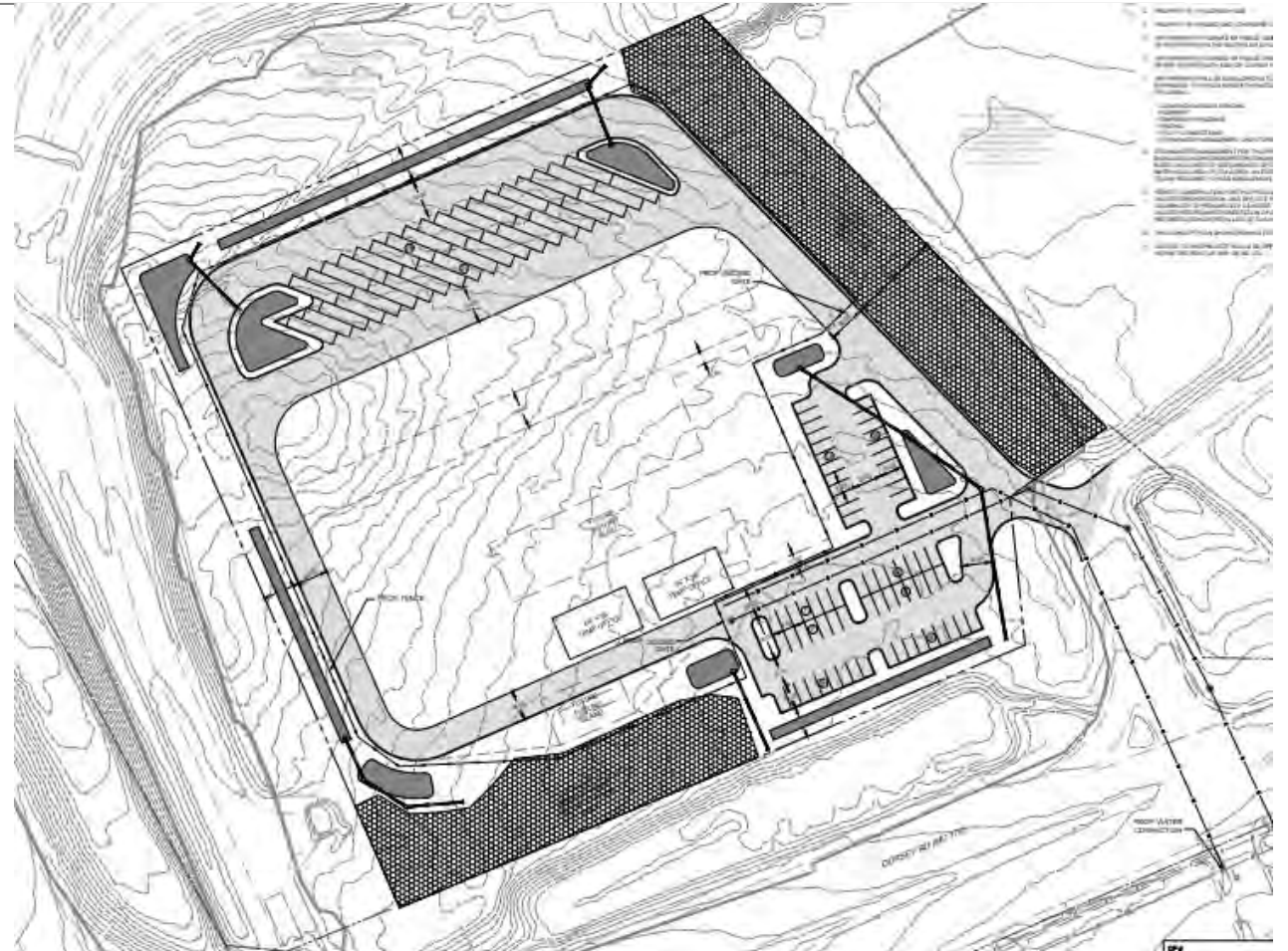




# C589200 - Transportation Ops Facility

**Scope:** This project would acquire the property for, design and construct a Transportation Operations Facility that would house the County's transit fleet along with providing for operations and maintenance staff

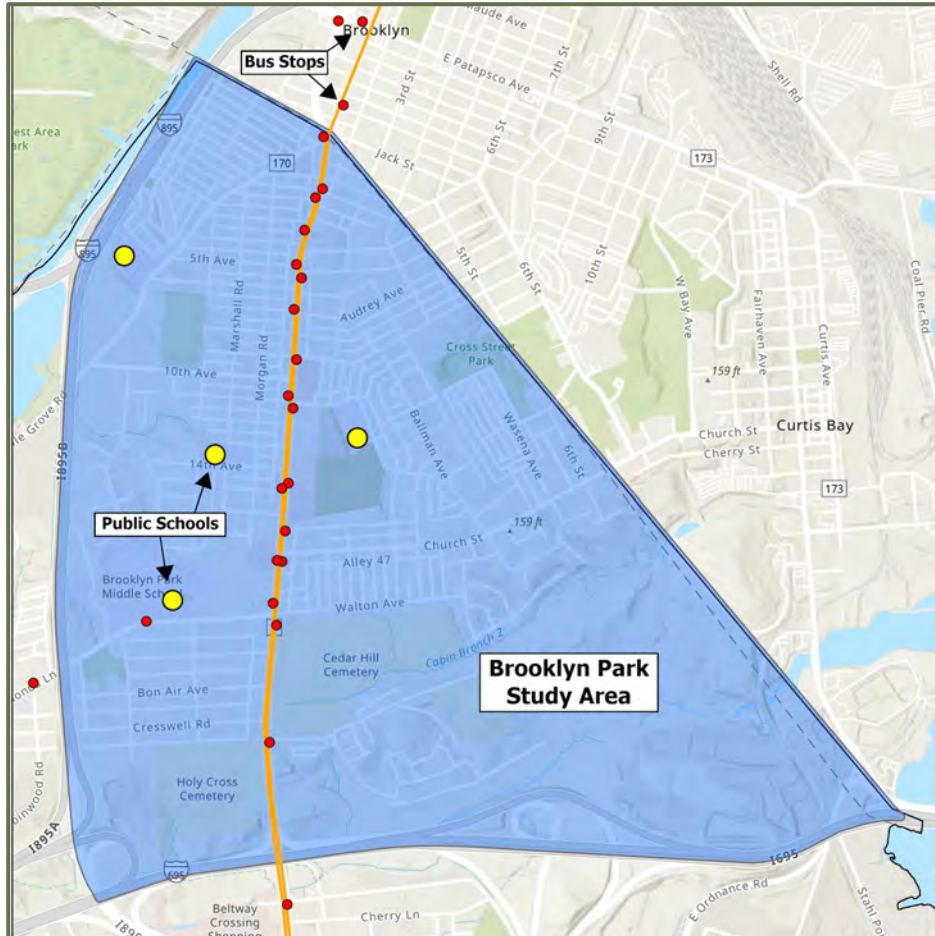
**Budget:** \$12,985,000



# H001525 - Brooklyn Park Mobility Imprv

**Scope:** This project will provide a series of transportation improvements in the Brooklyn Park area as recommended by the mobility study recently completed in the Neighborhood Transportation Study project H539618.

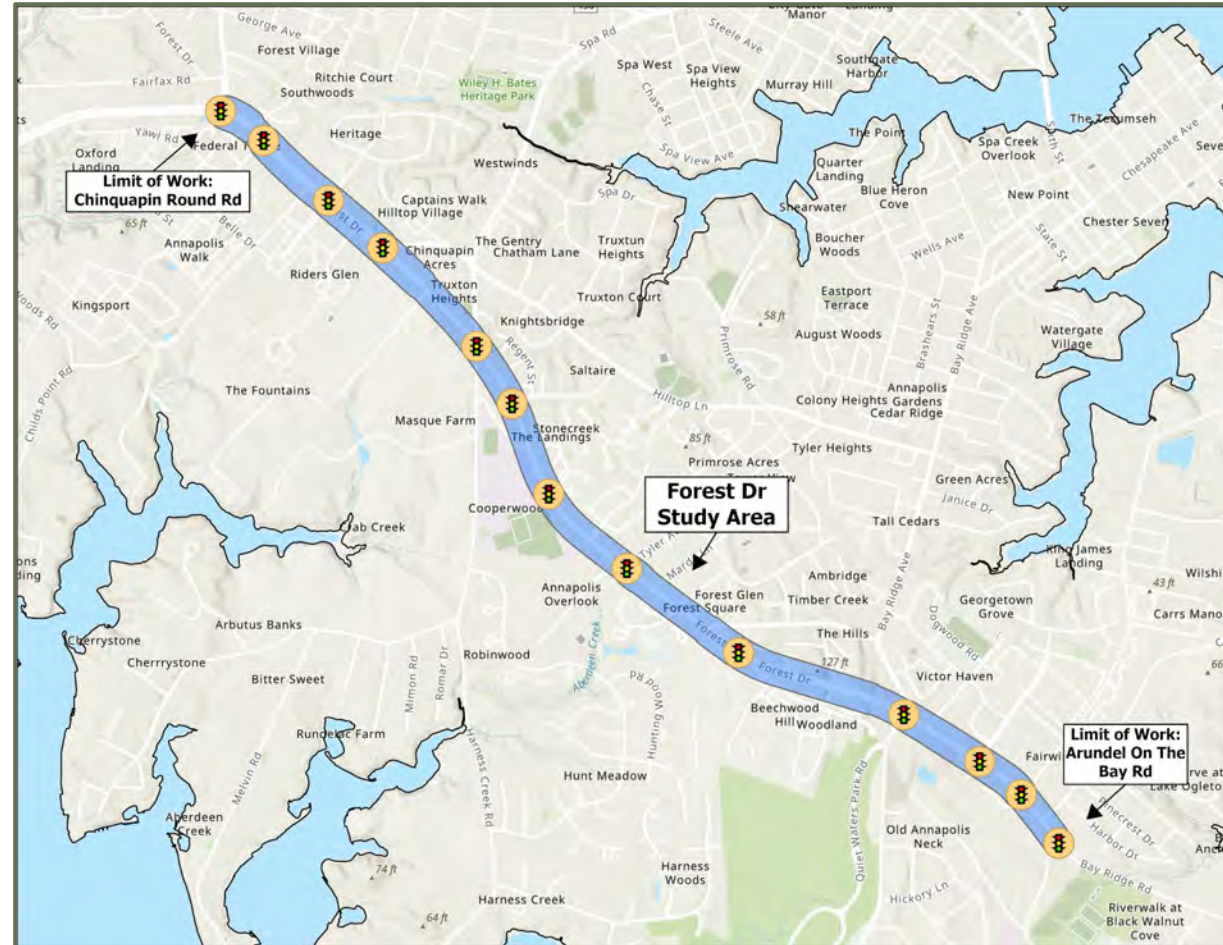
**Budget:** \$2,751,000



# H001725 - Forest Drive Safety Imprv

**Scope:** This project will provide a series of safety improvements along Forest Drive and a portion of Bay Ridge Road from Bywater Road to Arundel on the Bay Road as recommended by the safety study recently completed under H539622 in keeping with the County's Vision Zero Plan.

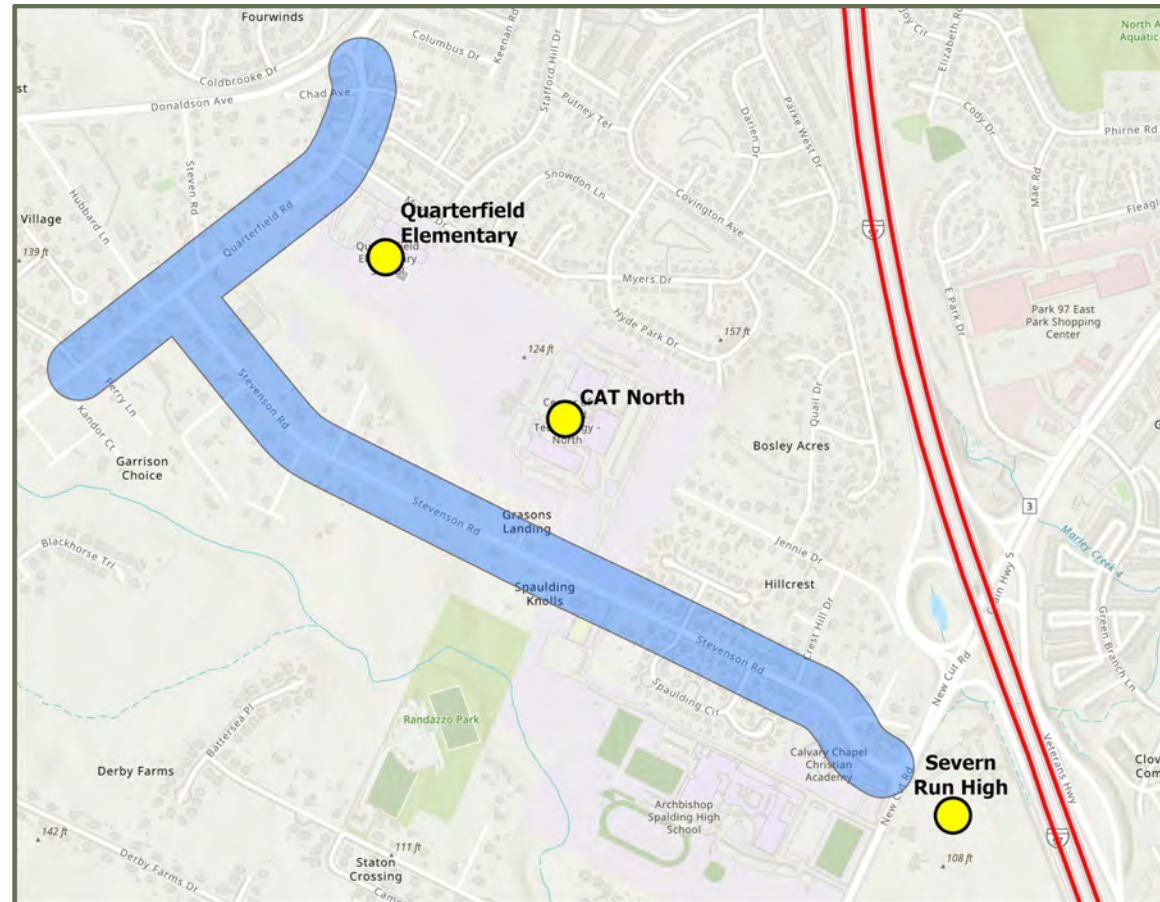
**Budget:** \$4,800,000



# H001825 - Stevenson Rd School Acc Imprv

**Scope:** This project will make a series of multimodal transportation improvements to improve access to and from Quarterfield Elementary and Old Mill Middle School North's new campus on Stevenson Road as recommended in the H539626 transportation facilities planning study.

**Budget:** \$2,649,000





# H001925 - Transit Implementation Studies

**Scope:** This project would conduct detailed analysis necessary to implement transit services recommended in the Transit Development Plan.

**Budget:** \$265,000



# H508400 - Sidewalk/Bikeway Fund

Priority	Location	Request	Est Cost	Cumulative Est Cost
1	Valley Road	Sidewalk on the south side between Knollwood Drive and Wayward Drive	\$235,000	\$235,000
2	BWI/Nursery Spur Trail	Design of Trail Extension from W Maple Road to Nursery Road Light Rail Station	\$1,060,000	\$1,295,000
3	BWI to Odenton SUP Gaps	Design of shared use path on Milestone Pkwy (Clark to MD 175) and Bluewater Blvd (Portland Station Lane to MD 175)	\$498,000	\$1,793,000
4	Stevenson Road Sidewalk	Design of sidewalk along Stevenson Road from New Cut Rd to Crest Hill Drive	\$302,000	\$2,095,000
5	Grover Road Sidewalk	Design of sidewalk along Grover Road to access Old Mill West High	\$266,000	\$2,361,000
6	North Patuxent Road	Sidewalk on west side filling in missing gap between Dovetail Lane and Becknel Ave	\$200,000	\$2,561,000
7	Jacobs Rd	Sidewalk from Town Center Blvd to Pioneer Drive increase access to Severn Center	\$810,000	\$3,371,000
8	Shore Acres Rd	Design of sidewalk from Four Acres Ct to Deep Creek Ave	\$200,000	\$3,571,000

# H539600 - Transp Facility Planning

Priority	Location	Request	Est Cost	Cumulative Est Cost
1	EV Bus & Facility Planning	A study of how a transition to electric vehicle fleet will impact necessary capital infrastructure and operations activities.	\$503,000	\$503,000
2	Benfield Blvd	Corridor Study from Veterans Highway to Evergreen Rd	\$250,000	\$753,000
3	Stevenson Rd	Corridor Study on Stevenson from Quarterfield Road to New Cut Road and on Quarterfield Road from south of Stevenson to Donaldson Ave to improve multimodal access to new middle school to serve Old Mill West (Severn Run) Highl	\$200,000	\$953,000
4	Safe Routes to School - Phase 2	PHase 2 of SRTS study, a review of existing conditions and recommended improvements for 10 elementary and 10 middle schools in the County	\$300,000	\$1,253,000
5	Functional Classification Update	Countywide review of roadway classifications	\$200,000	\$1,453,000
6	Riva Town Center Blvd	Feasibility study of an extension of Riva Town Center Blvd over MD 665 to Spruill Rd	\$200,000	\$1,653,000
7	Glen Burnie Town Center	Multimodal planning study for the Glen Burnie Town Center	\$200,000	\$1,853,000
8	South County Mobility Study	Mobility study to evaluate resident access to jobs and essential services within South County and Anne Arundel County	\$200,000	\$2,053,000

# H563700 - Pedestrian Improvements - SHA

Priority	Location	Request	Est Cost	Cumulative Est Cost
1	MD 214	Northside of MD 214 from east of MD 2 to MD 253/South River High	\$465,000	\$465,000
2	MD 173	West side of MD 173 from Duvall Highway to Kenton Rd	\$1,600,000	\$2,065,000
3	New Cut Rd (MD 3 Business)	Upton Road to Stevenson Road	\$190,000	\$2,255,000
4	MD 174	Reece Road from Town Center Blvd Ext to Pioneer Drive	\$450,000	\$2,705,000
5	MD 2	Cypress Creek to McKinsey Road	\$470,000	\$3,175,000
6	MD 2	Ordnance Road to Walton Ave	\$200,000	\$3,375,000
7	MD 450	Defense Highway to Solomons Island Road	\$300,000	\$3,675,000
8	MD 2	Tarragon Lane to Forest Drive	\$620,000	\$4,295,000

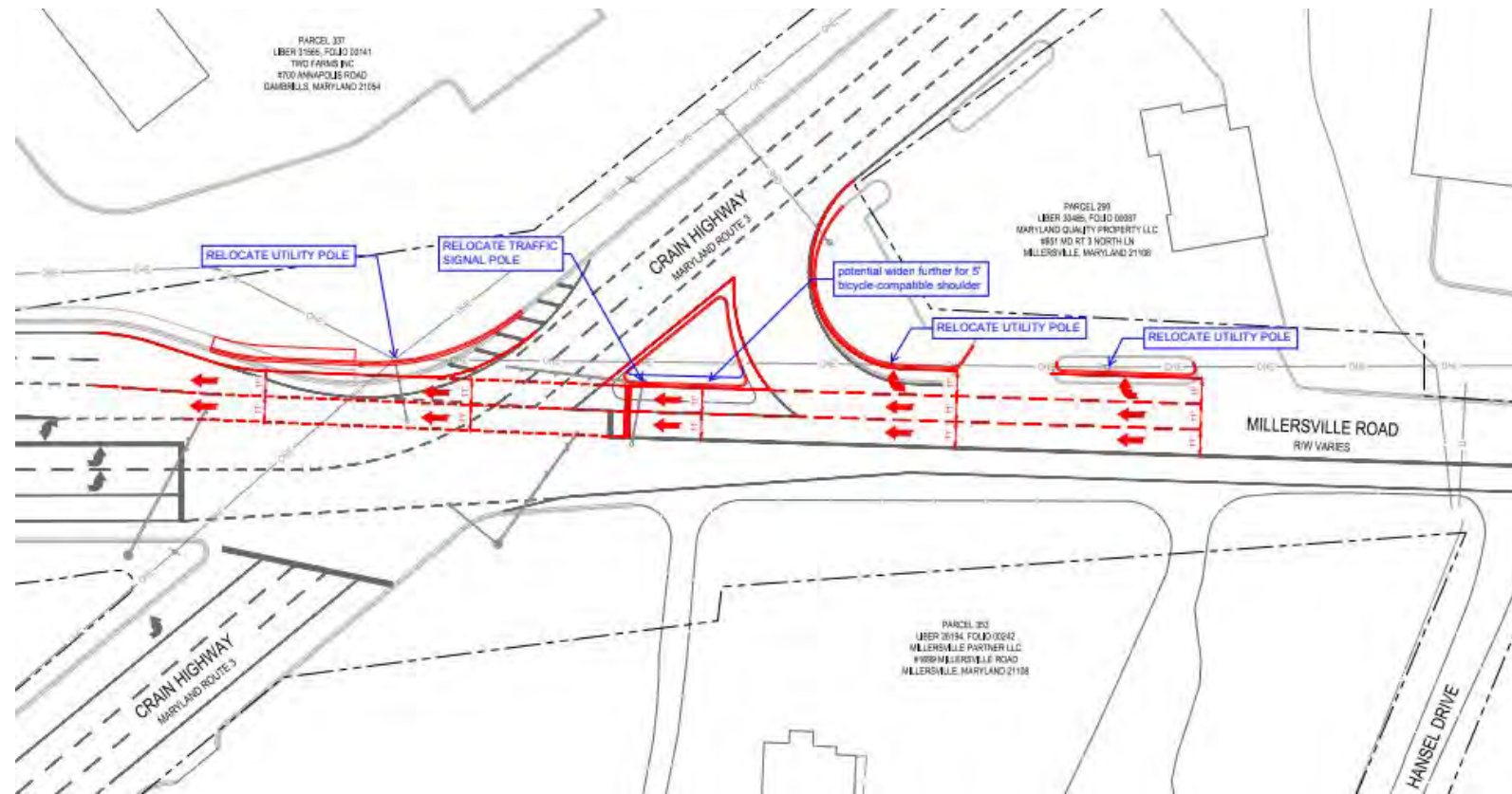
# Other Multimodal Projects

Project #	Project Name	Status
H564000	Severn-Harman Ped Net	Funding in FY 30 consistent with the program
H566700	Hanover Road Corridor Imprv	Increased cost due to latest estimate for construction in FY 29
H569600	Monterey Ave Sidewalk Improv	Increased cost due to latest estimate
H573100	Race Rd - Jessup Village	Increased cost due to latest estimate
H575600	Jumpers Hole Rd Improvements	Increased cost due to latest estimate
H575700	MD 214 & Loch Haven Rd	Decreased cost in 26 due to latest estimate
H578400	Transit Improvements	Funding in FY 30 consistent with the program
H581200	Parole Transportation Center	Increased cost due to latest estimate
H581500	Jennifer Road Shared Use Path	Increased cost due to latest estimate

# H581600 - Route 3 Improvements

**Scope:** This project will design, acquire rights of way, and construct improvements along MD 3 from Waugh Chapel Road to MD 32 by adding a 3rd travel lane in each direction, including shoulders, and related multimodal infrastructure and intersection improvements where required.

**Budget:** \$6,348,000



# Other Multimodal Projects

Project #	Project Name	Status
H581700	Safety Improv. on SHA Roads	Funding in FY 30 consistent with the program
H583800	Duvall/Outing Access Improvements	Funding in FY 25 consistent with the program
H584000	Solley Road Shared Use Path	Increased cost due to escalation in FY 25 and 27
H586800	Conway Road Improvements	Increased cost due to updated estimates in FY 25
H586900	Jump Hole Rd - MD 2 - MD 177	Increased cost due to latest estimate
H587000	USNA Bridge Area Bike Imp	Increased cost in FY 25 due to latest estimate and slide construction from FY 25 to FY 26
H587100	Old Mill MS Off Site Imp	Increased cost due to latest estimate
H587200	New Cut/Crain Hwy Sidewalk	Increased cost due to latest estimate
H587300	Bluewater/Milestone SUPs	Decreased cost due to latest estimate
H587400	Forest Dr/MD 665 Int Imp	Funding in FY 25 consistent with the program

# Other Multimodal Projects

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Project #	Project Name	Status
H589800	Ridge Road Improvements	Increased cost due to latest estimates and construction entering program in FY 30
H590400	Riva Rd Shared Use Path	Increased cost due to escalation and construction entering program in FY 30
H590500	BWI Trail Ext/Belle Grove Rd Safety Imp	Cost adjustments due to latest estimates
H590600	Safe Routes to Transit	Increased costs in FY 25 for engineering and funding in FY 30 consistent with the program



# THE END

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# DPW & YOU

— *Making a difference, together* —

## Bureau of Highways FY25 Proposed Capital Budget

**Planning Advisory Board Meeting**  
**Capital Improvement Program FY2025 - FY2030**  
February 16, 2023



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# Bureau of Highways



## Administrative Responsibilities

- Address citizen concerns via phone, email & online app
- Manages Finances for each Division
- Weeded Lot Program
- ROW Permitting



## Road Operations

- Road Maintenance
- Potholes
- Drainage Issues
- Roadway Tree Trimming & Removal
- Salting Snow & Removal
- Litter & Debris Pick-up



## Traffic Maintenance & Engineering

- Traffic Signal & Sign Maintenance
- Road Lane Markings
- Speed Humps
- Traffic Studies
- Street Light Maintenance
- Development Review



## Infrastructure Management

- Planning & Implementation of all County Road Resurfacing
- ADA Sidewalk Compliance

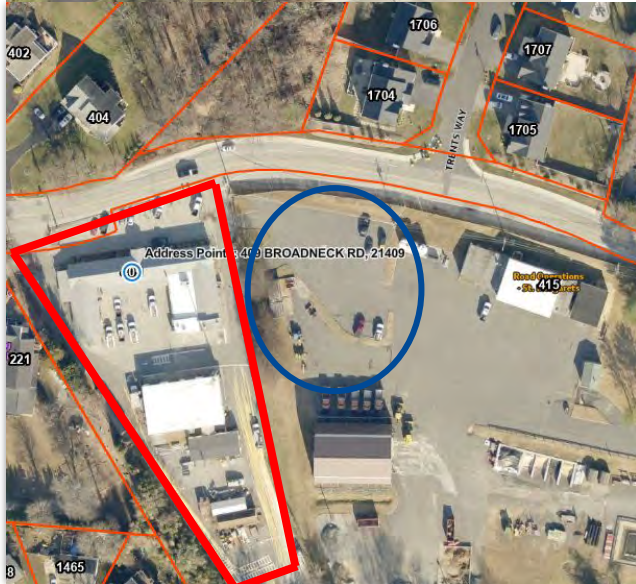
# Long Range Capital Plans

- Consolidate from (6) staffed Road Operations facilities to (3) staffed facilities: (a) Southern (FY08), (b) Western (FY21), (c) Eastern (future)
- Consolidate all Traffic Engineering & Maintenance elements into a modern data driven Traffic Operations Facility (FY24).
- Invest in resilient infrastructure (roads, bridges, culverts), enhanced ADA accessibility (APS, Curbs, Sidewalk), and incorporating Bike/Ped accommodations (dedicated lanes, enhanced pavement markings).
- Ensure investments in County roadways meet regulatory requirements.

# C589000: Traffic Maintenance Fac Upg - Pg 64

This project will study, design and construct improvements to the Traffic Maintenance Facility campus and incorporate a Traffic Management Center.

FY23: Study / FY24: Design / FY26: Construction \$27.1M / FY27: Fixtures \$656K



New Facility With Workshop & Traffic Management Center

# FY2025 Single Project Funding Requests

## DPW Highways

Project	Page	Name	FY25 (\$000)	GDP Policy	Program Driver
H001225	77	New - Gambrills/Dicus Mill Rd Improvements	\$1,461	BE15.1	Safety
H583700	77	Pleasant Plains Safety Improvements	\$135	BE15.1	Safety
H589700	77	Marley Neck Blvd Rd Improve	\$2,595	BE15.1	Safety/Enhance
H590300	77	Shoreham Beach Road Imp	\$0	BE15.1	Safety/Enhance

# H001225: Gambrills Rd at Dicus Mill Rd

Project to design and construct roadway improvements at the intersection of Gambrills Road at Dicus Mill Road begun under project H478855. Improvements will address the identified safety issues and include design and the construction of a new roundabout.

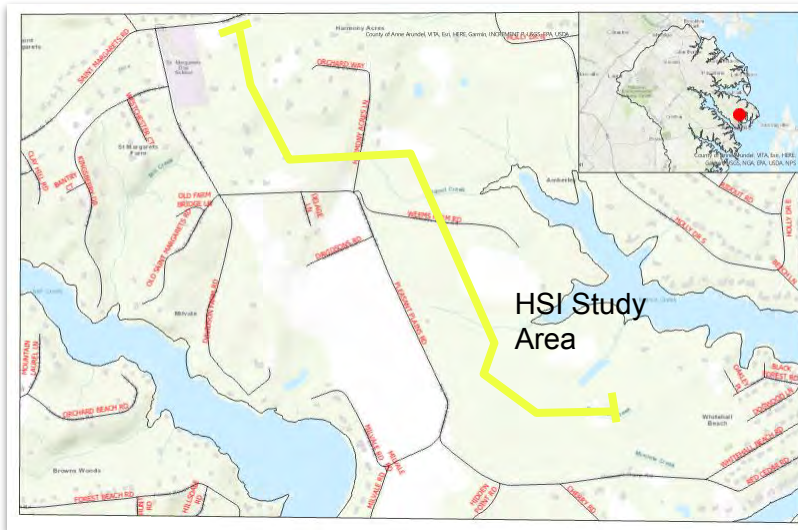
FY25 Request = \$1,461,000 Design/Land



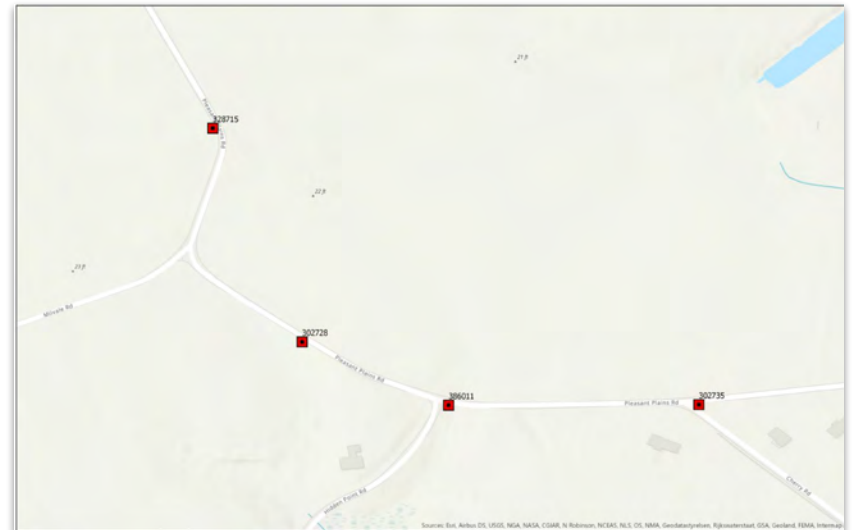
# H583700: Pleasant Plains Road Safety Improv

This project will address the running off the road crashes along Pleasant Plains Road. This project will address the existing crash pattern on Pleasant Plains Road by relocating existing utility poles outside the clear zone. This project will also address a drainage issue near the Cherry Road intersection.

FY25 Request = \$135,000 (latest fiscal analysis)



Location Map



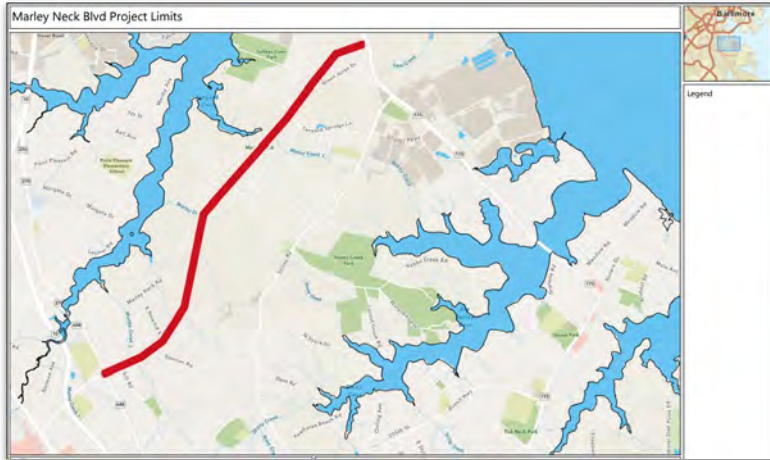
Locations Of Poles To Relocate



# H589700: Marley Neck Blvd Improvements

This project will identify, design, and construct roadway improvements along Marley Neck Blvd where existing cross sections do not match the ultimate cross section of the corridor. The FY25 request is for construction of a portion of the shared use path to connect Creekside with Tanyard Springs, and remainder of Phase 1 design. FY27 is Phase 1 construction.

FY25 Request = \$2.595M / FY27 = \$14.195M



Location Map

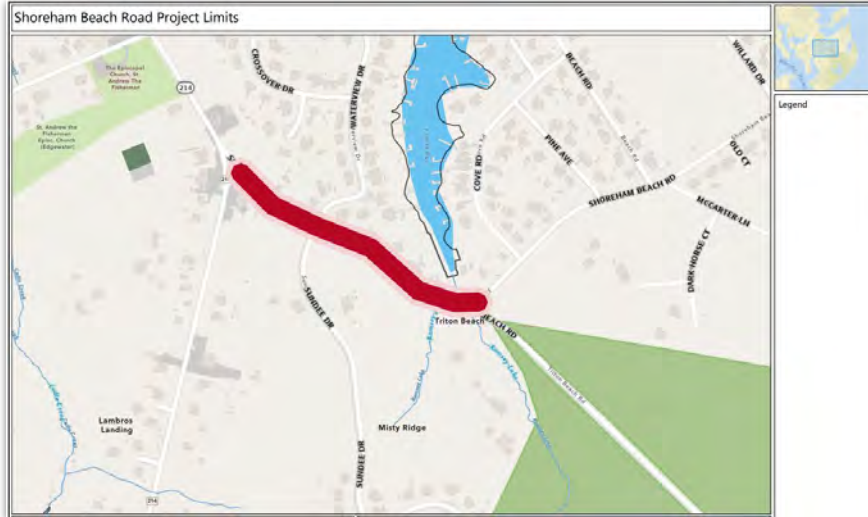


Existing Conditions

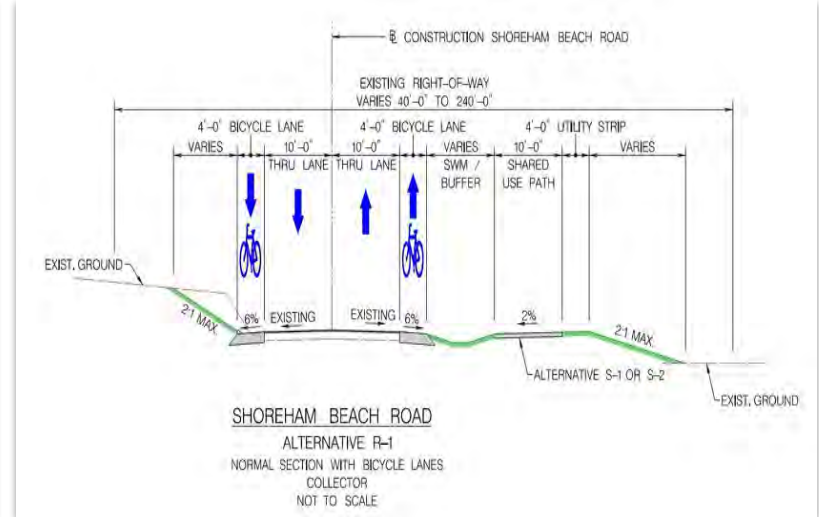
# H590300: Shoreham Beach Road Improvements

This project will study the Shoreham Beach Road and Triton Beach Road intersection, and include bicycle and pedestrian facilities as recommended in the H478854 project.

FY22 = HSI Study; FY24 = \$445,000; FY26 = \$197,000; FY27 = \$152,000; FY28 = \$2,708,000



Location Map



Proposed Alternative

# FY25 Multi-Year Project Funding Requests

## DPW Pavement & Masonry Management Programs

Project	Page	Name	FY25 (\$000)	GDP Policy	Program Driver
H478600	77	Road Resurfacing	\$16,920	BE15.4	Extend useful life
H478900	77	Road Reconstruction	\$13,580	BE15.4	Extend useful life
H564100	77	Arundel Mills LDC	\$500	BE15.4	Extend useful life
H479000	77	Masonry Reconstruction	\$1,190	BE15.4	Extend useful life
H566600	77	ADA ROW Compliance	\$1,600	BE15.4	Upgrades & Compliance

## DPW Traffic Control Management Program

Project	Page	Name	FY25 (\$000)	GDP Policy	Program Driver
H479100	83	Guardrail	\$217.5	BE15.1	Safety
H479200	83	Traffic Signal Mod	\$400	BE15.4	Extend useful life
H479400	83	New Traffic Signals	\$425	BE15.4	Upgrades & Compliance

# Pavement Management Program

Backlog = \$152 million, current estimate	FY25 Request:	Increase:	Justification:
H478600 Road Resurfacing	\$16,920,000	\$2,745,000	CPI & Backlog Reduction
H478900 Road Reconstruction	\$13,580,000	\$2,205,000	CPI & Backlog Reduction
H564100 Arundel Mills LDC	\$500,000	\$0	

Number of County Road Segments	7,289
Asphalt Pavement, centerline miles	1,815
Asphalt Pavement, lane miles (10' wide)	4,751
Curb/Gutter along county roads (est. mi.)	1,466

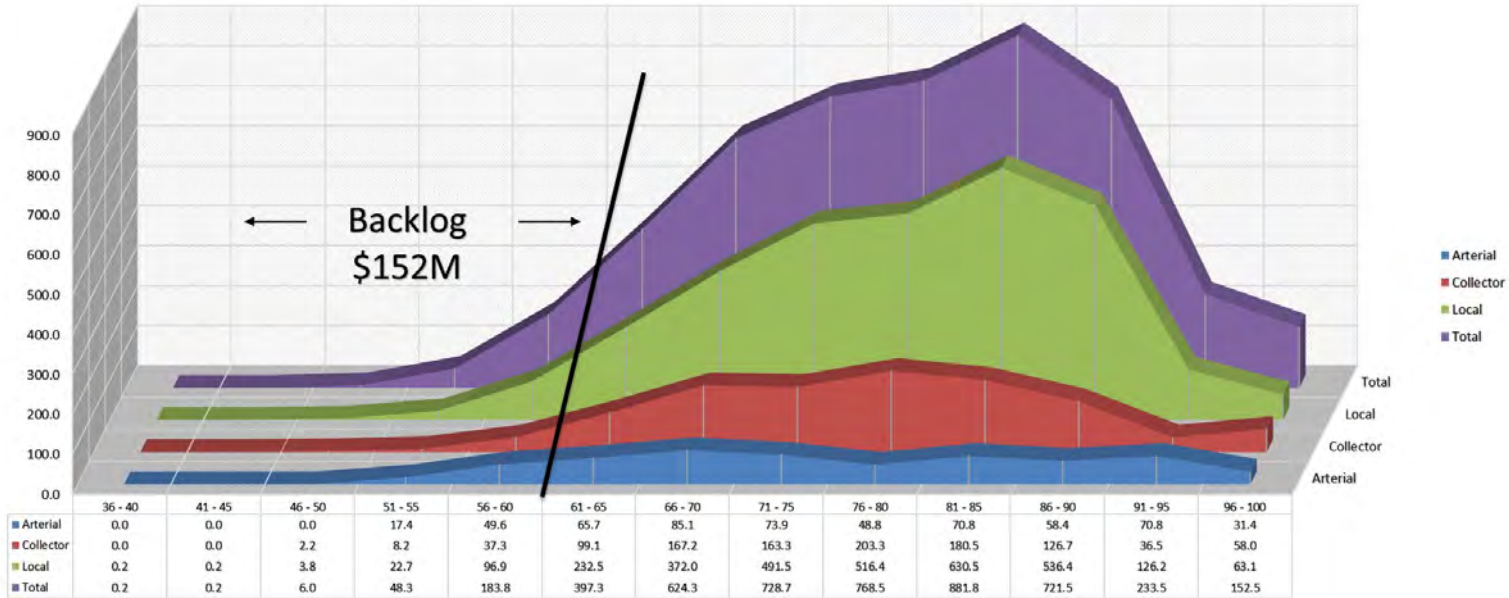
Pavement Lane Mile Projections	FY23	FY24	FY25
Full Reconstruction	12	14	12
Mill/Overlay Resurfacing	79	72	68
Preventive Maintenance Resurfacing	135	135	123

- H478600 - Resurfacing & Preventive Maintenance treatments on County roads and ancillary related work
- H478900 - Reconstruction/rehabilitation of County roads and ancillary related work (program management, design, rights of way acquisition, construction management, and inspection of the Pavement Management Program)

# FY25 Pavement Network Rating Distribution


Results of the Pavement Management Program's combined ~\$34M budget.

Contracts: (1) Microsurfacing, (6) Roadway Rehabilitation, (2) Full Reconstruction, (1) Permanent Patching, (1) Guardrail, (1) Concrete Masonry / ADA Curb Ramp, and (1) Crack Seal.



# Masonry Management Program

Replacement of existing sidewalk, curb/gutter, curb ramps, and APS equipment	FY25 Request:	Increase:	Justification:
H479000 Masonry Reconstruction (curb, gutter, sidewalk)	\$1,190,000	\$75,000	CPI
H589900 State Road Sidewalk Maint Repair (biennial funding)	\$0	\$0	N/A
H566600 ADA ROW Compliance (ramps & APS)	\$1,600,000	\$485,000	Revised Estimates

I. County Maintained Asset	Qty	II. ADA ROW Compliance Program	Qty	III. ADA Web Map
Sidewalk along county roads (miles)	1,055	Curb Ramps - compliant	6,209	
Sidewalk along state roads (miles)	78	Curb Ramps - non-compliant	9,419	
Path along county roads (miles)*	16	Barrier curbs	1,501	
Path along state roads (miles)*	8	APS-equipped signals	72	
Curb/Gutter along county roads (est. mi.)	1,466	Non-APS signals	49	

# ADA ROW Compliance Program



Before



After - to meet regulatory requirements

# Traffic Control Program

	FY25 Request:	Increase:	Justification:
H479100 Guardrail	\$217,500	\$92,500	Backlog Reduction
H479200 Traffic Signal Mod	\$400,000	\$100,000	Backlog Reduction
H479400 New Traffic Signals	\$425,000	\$75,000	Backlog Reduction

Guardrail Inventory	
Guardrail - Total Feet	296,400
End Treatments - Total Count	1,623
Unfunded Upgrade Backlog (est. LF)	4,500
Unfunded ET Upgrade Backlog (est. EA)	65

Traffic Signal Inventory	
Intersection Older Than 30 Yrs	36
Isolated intersections needing detection upgrade (cameras)	33
Controllers to upgrade	76
Backlog of New Signals	2
Intersection detection upgrade	94
Intersection back-up battery	126





## Bureau of Utility Operations

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**24-Hour Emergency Water Service:**  
(410) 222-8400  
**Billing Inquiries:** (410) 222-1144



## Bureau of Waste Management Services

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**Bulk Trash Service / Curbside Collections:** (410) 222-6100



## Bureau of Engineering

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**General Inquiries:** (410) 222-7500



## Bureau of Highways

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**General Inquiries:** (410) 222-7321  
**Snow Line:** (410) 222-4040  
**Email:** [hwyscustomer@aacounty.org](mailto:hwyscustomer@aacounty.org)



## Bureau of Watershed Protection and Restoration

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**General Inquiries:** (410) 222-4240

## Customer Relations

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**General Inquiries:** (410) 222-7582  
**Email:** [pwcust00@aacounty.org](mailto:pwcust00@aacounty.org)



# DPW & YOU

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## Bureau of Engineering Bridge Projects

FY25 Proposed Capital Budget  
February 16, 2024



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# Bridge Program

Highlighter Pg 76; One Pager - Pg 138

- **County Bridges:** Inventory currently = 88; 2 under construction by development, to be added to the County's bridge inventory once accepted
  
- **Federal Bridge Program**
  - **Minimum Requirement:** biennial inspections of various bridge elements (*decking; foundation; structure*) that result in a rating
  - **Bridges rated poor or fair are eligible for 80% construction funding**
  - **Currently seven (7) bridges have a "Poor Rating"**
    - Polling House Road over Rock Branch, AA1007 - Schematic Design (H561100)
    - Hospital Drive over Marley Creek, AA2014 - Contract Initiation (H590000)
    - Magothy Bridge Road over Magothy River, AA3001 - Construction (H534900)
    - Jacobs Road over Severn Run, AA4013 - Schematic Design (H581000)
    - Town Center Boulevard over tributary to Severn Run, AA4020 - Contract Initiation (H590100)
    - O'Connor Road over Deep Run, AA5009 - Design Development (H561000)
    - McKendree Road over Lyons Creek, AA5019 - Bid Documents (H566800)

# Bridge Program - Project Budget Changes

- **H478700 - Major Bridge Rehab** - Multi-Year Added FY30 funding
- **H534900 - Magothy Bridge Road over Magothy River** - Increase per current cost estimate - \$76,000
- **H535100 - Harwood Road Bridge over Stocketts Run** - Complete - give back \$61,000
- **H545900 - R&B Project Plan** - Increase per identified projects - \$100,000
- **H561100 – Polling House Road over Rock Branch** - Increase per current cost estimate - \$60,000
- **H566800 - McKendree Road over Lyons Creek** - Increase per current construction cost estimate - \$1,339,000
- **H575300 - Brock Bridge Road at Little Patuxent River Bank** - Complete - give back \$549,000
- **H583400 - Bridge Program Management** - Multi-Year Added FY30 funding



# Department of Recreation and Parks

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PLANNING ADVISORY BOARD MEETING  
CAPITAL IMPROVEMENT PROGRAM FY2025 - FY2030

JESSICA LEYS, DIRECTOR  
ERICA MATTHEWS, DEPUTY DIRECTOR  
BRUCE BRUCHEY, CHIEF, PLANNING & CONSTRUCTION

# Agenda

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- P Class Projects
  - P Class FY2025 Request Summary
  - P Class Details
  - Questions and Answers

# P-Class Budget Request Summary

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- Park Visitation to Date: 3,849,437 visitors from July 1 to December 31, 2023
- Total of 55 Capital Projects In the program, of which there are four new capital projects
- FY24 Approved Budget: \$94.4M FY25: Request: \$99.2M
- Grants and Special Funding Sources: \$20.6M (20.8%)
  - Program Open Space (POS): \$9.525M
  - Video Lottery Facility: \$4.1M anticipated
  - State Grants: \$2.05M



# Projects go from a vision to reality!

## ANNE ARUNDEL DEPARTMENT OF RECREATION AND PARKS

### Project Development Process



\* **Bold** denotes public input opportunities

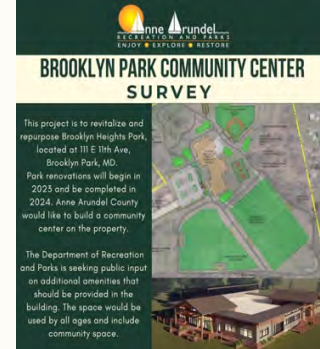
A complete list of Rec&Parks projects is available online at  
[www.aacounty.org/departments/recreation-parks/capital-projects/Projects](http://www.aacounty.org/departments/recreation-parks/capital-projects/Projects)



# Where Does the Money Go? Where the public directs!

## Park planning guided by community input

- Held 21 Public Meetings
- Conducted Countywide and Community-focused Online Surveys
- Assembled multiple Stakeholder Advisory Groups
- Numerous workshops and meetings with Stakeholder Advisory Groups



# Where Does the Money Go? Construction!

Below is a list of some CIP Projects that are in construction in FY25.

- South Shore Trail - Phase 2
- Shoreline Erosion Control -
  - ◆ Spriggs Farm on the Magothy Park, Hancocks Resolution, Downs Park, & Historic London Town
- Broadneck Trail - Phases 3, 1B, and 5
- Fort Smallwood Park - new beach concessions/comfort station and new maintenance building; renovated Visitor Center
- Bell Branch Park - stormwater improvements
- Bachman Sports Complex - synthetic turf infields
- Water Access ADA Gates - 2 locations
- North Arundel Aquatic Center - splash pad, new MP field, playground, pavilion & comfort station
- Eisenhower Golf Course - new clubhouse
- Beverly-Triton Nature Park - shoreline
- Hot Sox Park Improvements (Wilson House) - improvements
- Brooklyn Heights Park - improvements to park
- Brooklyn Park Community Center - new center
- Jug Bay Wetlands Sanctuary - Cabins and bathhouse
- Quiet Waters Park - Rehab of Visitor Center/Blue Heron Center
- Mayo Beach Park - repairs
- Bacon Ridge NA - Severn Chapel - improvements
- Gresham House - improvements
- Tanyard Springs Park - new community park

# FY25 Request Details

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# Davidsonville Recreation Center Renovation P000225- **New Request**

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This project will fund the planning, design, and construction of the renovation or replacement of facilities at Davidsonville Recreation Center. This campus was added to the Park's system in 1976 and has reached the end of its lifespan. The configuration of the amenities on the property is inefficient. As 1 of the 3 community centers in the Parks system, this location is heavily utilized. The facility has experienced increased community use through athletics and recreational programming. This use has resulted in the need for improved spaces, both indoor and outdoor, to support passive and active recreation. A conditions assessment and master plan for the property is being completed under P452565 and will be the basis for this work.

This work is expected to include expanded parking, new and renovated building construction, pathways, related park amenities, utility upgrades, ADA improvements, stormwater management, landscaping, and expanded and renovated athletic fields.

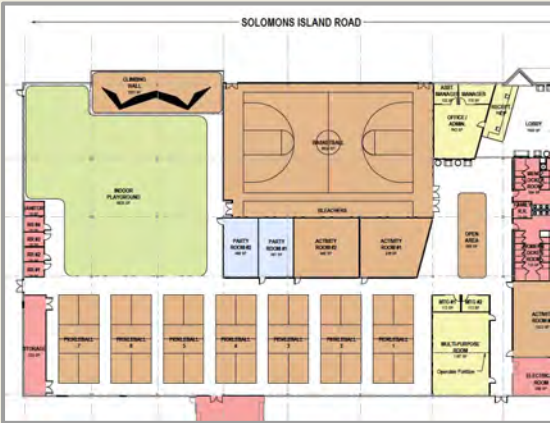
# Edgewater Recreation Center Improvements P000325-New Request



This Project is for design of community-use recreational facilities in the Edgewater Area. The initial work would result in one new Community Recreation Center.

DRP anticipates renovating an existing building that will provide a variety of indoor active recreational and community-use opportunities.

This work could occur on new or currently owned parkland in this area. Multiple sites are being evaluated under Capital Project No. P452541. This Project will design and construct various improvements which include renovation of a building, indoor and outdoor game courts, playgrounds, parking, landscaping, utilities, and other related amenities.



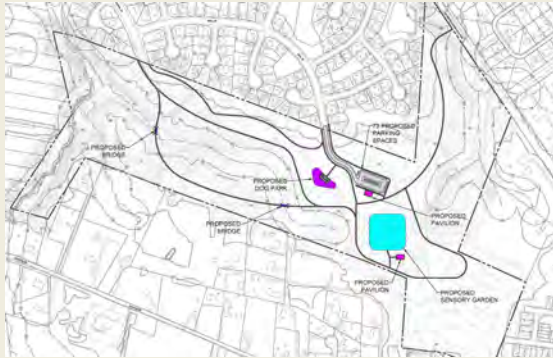
# Marley Creek Regional Park

## P000425-New Request



This project will fund the design and construction of a new Glen Burnie area regional park on County property on Hospital Drive. The undeveloped 72-acre site was purchased in 2019 and was envisioned to include the conservation of green space and environmental features while incorporating community park amenities.

The development will include observation areas, playgrounds, paved & unpaved walking trails, community-gathering spaces, parking, utilities, stormwater management, environmental and wildlife habitat protection and landscape improvements. The site was evaluated as part of Capital Project Nos. P561705 & P452553.



# South River Farm Park

## Improvements P000625- New Request



A Master Plan for the 170-acre South River Farm Park was completed in 2018. Since then, the use of the park both by the Department and by the public has changed and some of the existing amenities have reached their life expectancy and are in need improvement or replacement. Revisions to the Master Plan is being completed under Capital Project No.P452555



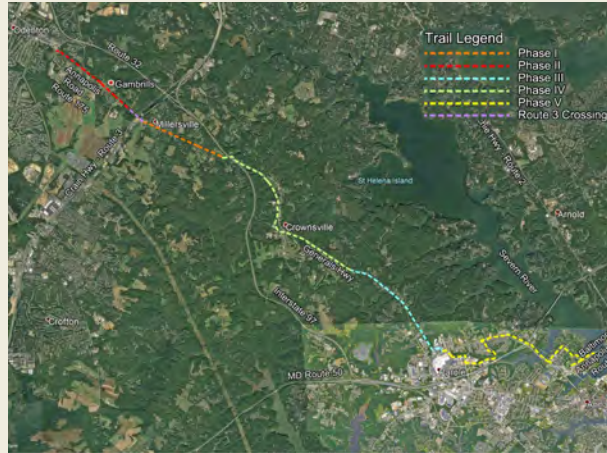
This project will enhance and expand park amenities to meet the demand for expanded access to water and natural areas, repurpose and renovate existing facilities, and increase and improve other park amenities and infrastructure. This project will also enhance wooded areas, restore and protect wildlife habitats and other environmental features and open spaces, providing responsible stewardship of the County's natural resources and allowing County residents increased opportunities for recreation and nature experiences.



# Previously Funded Projects

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# South Shore Trail - P372000



Phase	Limits	Status	FY25 Request	Out-years Request
Phase 1	Ticker Lane at to Hansel Lane (1.66 miles)	Complete	None	None
Phase 2	Sappington Station Road to Bonheur Avenue (1.86 miles)	Bid/Award Construction starts Spring 2024	None	FY2026 FY2027 Construction
Phase 3	Honeysuckle Lane to Bestgate Road	Start design	Complete design	FY2026 Match for TAP grant
Phase 4	Ticker Lane at Waterbury Road to Honeysuckle Lane	Start design	Complete design	FY2026 FY2027 Construction

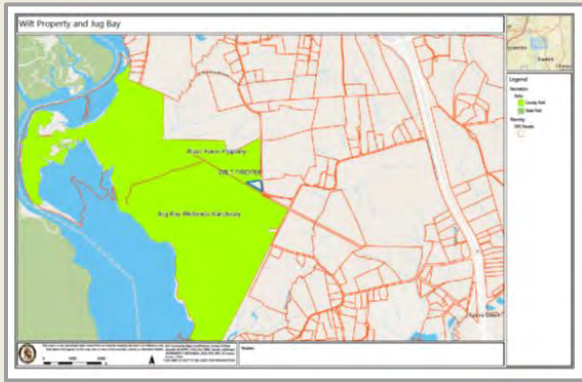
WB&A Trail Phase 4 Completion



# WB & A Trail - P393600

Phase	Limits	Status	FY25 Request	Out-years Request
Phase 1	Odenton to Strawberry Lake Way	Complete	None	None
Phase 2	Strawberry Lake Way to Two Rivers	Complete	None	None
Phase 3	Two Rivers to Patuxent Road	Complete	None	None
Phase 4	Phase 4B from Waugh Chapel Road to the South Shore Trail to be completed	Alignment Study underway	Design	Construction
Phase 5	Bridge connecting AA County to PG County.	In construction	None	None





# Greenways Parkland and Open Space - P400200

**Description:** Acquires new property to support recreational and conservation goals. Paygo was added to support conservation goals.

**Status:** 50 sites reviewed in calendar 23. There are several projects that are being evaluated to exhaust the remaining funds. Because POS has land use requirements, County bond funding was added to support the conservation goals. This includes land that has high environmental value but little to no recreational value to be purchased. This year the “green” money was spent on 440 Ritchie HWY Cattail Creek and the balance will be used to support the expansion of the Elktonia Beach Expansion and other natural areas.

**FY25 Request:** \$7.025M, with \$6.0M anticipated from POS.

**FY26-30:** \$6.0M each year, with all \$6.0M anticipated from POS.



# Facility Lighting - P445800



## FY24 Status

- Bodkin Park - LED upgrade at existing field - Complete
- General Highway Corridor Park - New lighting at MP field - Complete
- Broadneck Park - New lighting at MP field - Complete
- Sunset Park - New lighting at MP field - in construction
- Riva Area Park - New lighting at MP field - in design
- Northeast MS - New lighting at Baseball field - in design

## FY25 Request

- Maryland City Park - New lighting at MP field & LED upgrade at existing field
- Bachman Sports Complex - LED upgrade at baseball fields 1, 2 & 3
- Gambrills Athletic Club - New lighting at baseball field - user group & bond bill funding possible
- Includes \$ for countywide repairs

## FY26-FY30

Design and construct replacement lighting 2-3 fields to be determined. The increase in cost to upgrade aged infrastructure and/or extend electric power to distant sites.

# Recreation and Parks Planning - P452500

Current Studies	Status
P452541 - Indoor Sports Complex	Continuing
P452553 - Unused Park Concepts	<i>PlanYourParks</i> survey completed and public engagement continuing. Data analysis underway. Public input and data will shape concepts to be developed
P452554 - Valentine Creek Water Access	Complete
P452560 - Bay Head Park Bicycle Facilities	Feasibility Study underway. Next steps to develop concepts and seek public input.
P452562 - South River Farm Park MP	Stakeholder engagement is underway.
P452664 - GIS/Surveying & Mapping	Procurement underway



# Recreation and Parks Project Planning - P452500 (continued)

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Current Studies	Status
P452565 - Davidsonville Recreation Center	Assessment underway. This will be the be completed under the new project request P000225 starting with the Master Plan in FY25.
P452566 - Marley Creek Park	Start Master Plan in FY2025
P452569 - Old Mill Area Park Improvements	Assessment starting
P452570 - Severn Danza Park Expansion	Master Plan Consultant selection underway

# Recreation and Parks Project Planning - P452500 (continued)

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## FY2025 Request

- Bi-annual Bridge Inspections
- Compass Point GC - Conditions & Needs Assessment
- West County Parks Study (Two Rivers area)
- South County Recreation Center - Needs Assessment

## FY26 - FY30

- The 2027 LPPRP will be completed during this period. The County will be requesting \$25K per year from POS in FY25 and FY26 for this report. DRP will also be requesting \$25K in FY29 and FY30 for the 2030 LPPRP.
- Out year Requests will be determined based on the needs of the DRP at the time of the request.



# School Outdoor Rec Facilities

## P457000

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### FY24 Projects - completed or currently in construction

- Old Mill HS - Tennis court repairs
- Southern HS - tennis court repairs
- Chesapeake HS - tennis court repairs
- Broadneck HS - tennis court repairs
- Northeast HS - tennis court repairs
- Cape St. Claire ES - ADA gate at tennis court
- Cape St. Claire ES - ADA path install
- Sunset ES - entrance road repairs

### FY25 Request:

- Marley MS - tennis court repairs
- Annapolis HS - tennis court repairs
- Annapolis MS - multipurpose field lighting

### FY26-FY30 Request:

- \$327,000 per year to continue program

# Stream/Shoreline Erosion Control P468700



Contract	Status/Request
Spriggs Farm Shoreline	FY2025 - Start Construction
Lake Waterford Dredging	FY2025 - Start Construction
Hancock Shoreline	FY2025 - Start Construction
Downs Park Shoreline	FY2025 - Start Construction
Londontown Shoreline	FY2025 - Start Construction
Jonas & Anne Catharine Green Shoreline	FY2025 - Start Design FY2026 - Construction
Quiet Waters Park Shoreline	FY2025 - Start Design FY2026 - Construction

# Park Renovation P479800

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Total Park Acres: **12,924.00**

Parks:

- Community & Neighborhood Parks: **108**
- Regional Parks: **6**

Amenities:

- Boat Ramp: **3**
- Indoor Pool: **2**
- Car Top Launches: **21**
- Recreation Centers: **3**

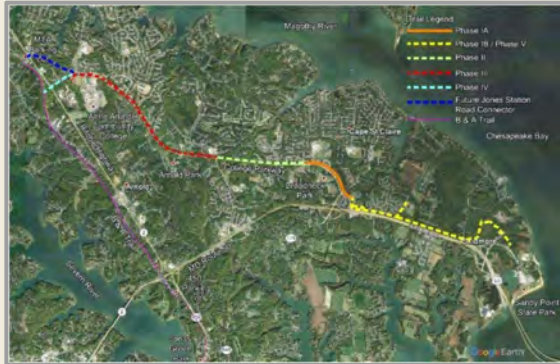


Trails:

- Paved: **115.82 miles**
- Soft Trails: **94.73 miles**
- Horse Trails: **23.05 miles**
- Mountain Bike Trail: **10.22 miles**



# Broadneck Peninsula Trail P504100



Phase	Limits	Status	FY25 Request	Out-years Request
Phase 1A	Green Holly Drive to East College Pkwy	Complete	None	None
Phase 1B & Phase 5	East College Pkwy to Sandy Point	Construction starts Winter 2024	Balance of Construction funds.	None
Phase 2	Green Holly Drive to Bay Dale Drive	Complete	None	None
Phase 3	Bay Dale Drive to AACC	Completing construction	None	None
Phase 4A	Jones Station Road to Peninsula Farm Road	Complete	None	None

# Facility Irrigation P509100

## **FY24 Status**

- Deale Tracy Park - new MP field irrigation
- Odenton GORC Park - replace MP field irrigation
- Edgewater Park - add field irrigation to MP field
- Countywide startup and shutdowns
- Install Central Control Systems
- Emergency Repairs

## **FY25 Request:**

- Davidsonville Park - new pump house
- Riva Park - new pump house
- Sunset Park - repairs to current system
- Bodkin Park - repairs to current system
- Tick Neck Park - replace system on Bermuda multipurpose field
- Lake Shore Complex - new well
- Countywide - frost free hydrants on baseball/softball fields
- Countywide - system startup and shutdown
- Countywide - central control systems as needed
- Countywide -emergency repairs



# Fort Smallwood Park P535900



# Turf Fields in Regional Parks

## P561700

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### FY24 Status

- Bell Branch Park - design stormwater management improvements

### FY2025 Request

- Bell Branch Park - construct stormwater management improvements
- Design & Maintenance Improvements Study

# Northwest Area Park Improvements P565100

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Project	FY2025 Request
Deep Run Recreation Center Interior and exterior improvements	\$500,000
Comprehensive Park Planning Initiative Consultant Study/Plan	\$500,000
Joe Cannon Stadium- Upgrade existing Lights to LED	\$380,000
Bachman Sports Complex- Turf the infields on six softball fields	\$2,500,000



# Water Access Facilities P567400

Location	FY2025
ADA-accessible gates at Water Access locations	2 locations in construction
Deale Wharf	Start design
Valentine Creek	Start design
Non-vessel Water Access	Start design of initial location





# North Arundel Swim Center Campus Improvements P567000

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FY2025

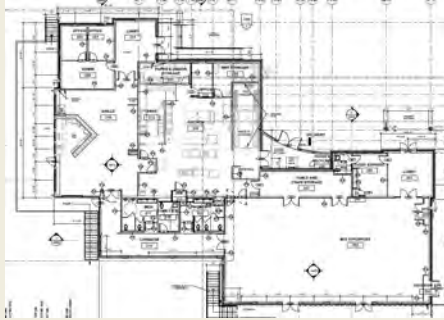
New Splash Pad - Complete Design and start Construction

Site Improvements - new lighted, multipurpose field, new playground, new comfort station and related amenities - Complete Design and start Construction





THE PRESERVE  
AT EISENHOWER GOLF COURSE



# Eisenhower Golf Course P570200



FY2025 Request - Construction funding for new 24,000 square foot clubhouse building with pro shop, course offices, cart charging and storage, community banquet space, grill, kitchen, parking, utilities, and other site improvements.

# Beverly Triton Nature Park P570300

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New comfort station/bathhouse, playground, pavilion, entry and gatehouse, beachfront access and shower, and roadway and parking improvements are complete.

FY2025 Request is for construction funding to complete the Phase 2 shoreline erosion control project.



# Hot Sox Park Improvements P573200

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FY2025 Request for construction funding for stabilization, restoration and construction of visitor facilities at the Wilson House.



# Carrs Wharf Pier P573300

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FY2025 Request returns previously allocated project funds.

The scope of improvements needed was refined with input from the community and Fire Department officials. The road widening has been eliminated from the project's scope. The current work will result in additional accessible parking, repair of the bulkhead, and other site improvements.

# Londontown Parking Expansion P576400

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FY2025 Request is for funding for construction of ADA-accessible pathways throughout the grounds and gardens at Historic London Town. Design of the pathways is being completed by the Historic London Town Foundation.



# Park & Trails Resurfacing Cty Wde P578900

## FY24 Status:

Completed surface, guardrail, and fence repairs on Baltimore & Annapolis Trail  
Completed pathways and parking lot improvements at Havenwood Park  
Construction continues on trail surfaces at Quiet Waters Park

## FY25 Request:

Continue to complete trails repaving repairs county wide, refurbish approx. one mile of trail at Kinder Farm Park, and repave various sections of the Baltimore & Annapolis and the WB&A Trails.

## FY26-30 Program:

Extends the program to FY30.







# Brooklyn Park Community Center

## P579000

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The initial phase of the project, improvements to Brooklyn Heights Park, is under construction. New amenities include an adaptive recreation field, a lighted multipurpose field, community gardens, basketball courts, and a dog park.

The new multi-generational community center is currently in planning and design. FY25 request funds for the construction of the new building.

**anne arundel**  
RECREATION AND PARKS  
ENJOY • EXPLORE • RESTORE

### BROOKLYN PARK COMMUNITY CENTER SURVEY

This project is to revitalize and repurpose Brooklyn Heights Park, located at 111 E 11th Ave, Brooklyn Park, MD. Park renovations will begin in 2023 and be completed in 2024. Anne Arundel County would like to build a community center on the property.

The Department of Recreation and Parks is seeking public input on additional amenities that should be provided in the building. The space would be used by all ages and include community space.



# West County Swim Center P579900



Anne Arundel County  
**Accessibility Assessment**

*Key Findings and Recommendations  
for Compliance with the Americans with Disabilities Act  
in Parks and Recreation Facilities*



DRAFT September 18, 2020

Prepared by

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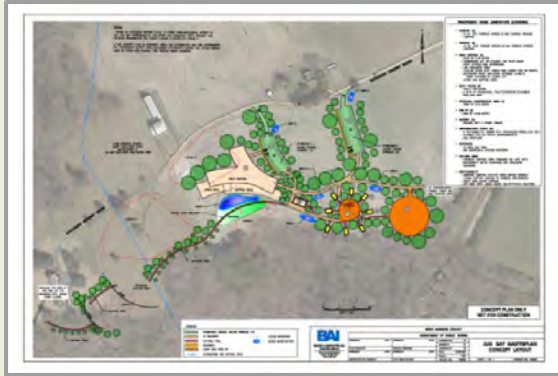
# ADA Compliance Implementation P584300

Project is to address barriers to access in our parks and facilities continuing implementation until full ADA compliance is achieved.

Efforts in FY25 will address bathroom access and accessible routes at Lake Waterford Park, the equestrian centers and Cedar Morris Hill Park.

# Jug Bay Environmental Education Center P584500

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Phase 1 - camp cabins, pavilion, bathhouse, and related site improvements are moving into construction in 2024.

FY2025 funding request is for the design of Phase 2 of the Project, repurposing an existing barn to multiuse interior spaces for use by Park visitors and visiting researchers, and for construction of Phase 3 which includes the pier improvements, kayak storage areas and trails.





# Quiet Waters Park Rehabilitation

## P584600

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### FY2024 Status

- Holly Pavilion/Harness Creek Erosion Repairs - under construction
- Visitor Center & Blue Heron Center Fire Protection Systems - engineering evaluation completed and design of new systems in process. Design of new fire pump building in process.

### FY2025 Request

- Retreat Area - Design
- New Maintenance Building - Design & Permitting



# Mayo Beach Park Repairs

## P584700

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Design of the replacement Day Camp Building, housing both DRP's adaptive recreation camp as well as Park support functions, is complete and moving into construction in 2024. Numerous repairs have been completed to the main pavilion and Park offices.

FY2025: Request is for construction funds to complete the electrical infrastructure upgrade and other repair efforts.

# Bacon Ridge - Severn Chapel P588000

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Master Planning was completed previously and design is presently underway of the Severn Chapel Area Improvements, including new Park entrance and roadway, parking lots, equestrian hitching and care area, RCP support facilities, stormwater management and other site improvements.

FY2025 Request is for funding for construction of the improvements.



# Gresham Historic House Improvements P588200

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A Conditions Assessment was completed earlier to define the scope for this Project. Demolition of unsafe structures on the property has begun and design and construction of rehabilitation of the historic house are underway.

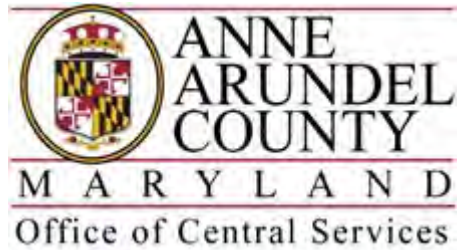
The Project will rehabilitate the historic structure and grounds for cultural and historical programming, tours, public gardens, and event space. Development includes parking, accessible routes, SWM, landscaping, and other related amenities. This work would correct life safety issues, bring the site into code compliance, provide better access, and complete other work described in the previous conditions assessment.

FY2025 request is for funding for construction of the improvements.



# Questions - P Class Projects

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# FY 2025 PAB PRESENTATION

Office of Central Services

February 16, 2024

Overview Presentation: Page 62

One-Pager Report: Page 5

# C000725 - County Septic Systems Assessment - Page 5

- Aging County-owned septic systems are failing and in need of design and construction upgrades to handle the increase visitor demand compared to when they were installed 40+ years ago.
- Frequent septic pump-out, especially during peak season at Rec & Parks properties, due to the age/failure of existing systems, is being funded out of FMD's operating budget and we expect this problem to expand.
- An assessment is needed to research and catalog the age and condition of the systems to then create a plan for upgrade or replacement.
- The results of the assessment and subsequent plan will guide future funding for design and replacement of systems in the County in future years.

FY25: \$134,000

FY26 - FY30: \$0

# C443500 - Facility Renovation & Relocation - Page 7

- Departments & tenants are solicited annually for new requests.
- OCS received *new* departmental requests in September 2023 totaling \$1.3M, in addition to outstanding or ongoing projects from prior years.
- A project list is programmed each fiscal year but adjustments are made throughout the year due to emergencies or unforeseen projects that need immediate attention throughout the year.

FY25: \$1,675,000

FY26 - FY30: \$850,000 each year

# C443500 - Facility Renovation/Relocation

LOCATION	REQUEST	EST COST	CUMULATIVE EST COST
HOC 2664 - I&P	Replace carpeting on 2nd floor	\$105,000	\$105,000
ORCC	Front Lobby Station	\$50,000	\$155,000
1 HST Suite 101	New paint and carpet	\$11,000	\$166,000
200 Dover Rd	All Windows need to be replaced in unit	\$15,000	\$181,000
200 Dover Rd	Complete replacement of Flooring to rubber flooring	\$20,000	\$201,000
318 Mountain Rd	Replace trim and shutters, paint buildings	\$39,000	\$240,000
1270 Odenton Road	Interior of building needs painted	\$50,000	\$290,000
202 Hammonds Lane	Mens and Womens bathrooms	\$100,000	\$390,000
3 HST	Remodeling lab area to a more efficiency area	\$60,000	\$450,000
Police HQ - Chiefs Suite	Replace wood doors with glass	\$15,000	\$465,000

# C443500 - Facility Renovation/Relocation

LOCATION	REQUEST	EST COST	CUMULATIVE EST COST
Police HQ - Chiefs Office	Move and replace door	\$20,000	\$485,000
Police HQ - I A Office	Additional Offices	\$15,000	\$500,000
Animal Control	Change door	\$7,500	\$507,500
Animal Control	Change both sets of double doors at the front	\$20,000	\$542,500
Arundel # 7	Replace carpet	\$15,000	\$592,500
Annapolis Neck #8	Build a stairwell to allow better access to the mezzanine in the engine bay.	\$50,000	\$592,500
Maryland City Library	replace or repair interior automatic door	\$13,000	\$605,500
Broadneck Library	replace or repair interior automatic door	\$26,000	\$631,500
Edgewater Library	replace or repair interior automatic door	\$26,000	\$657,500

# C443500 - Facility Renovation/Relocation

LOCATION	REQUEST	EST COST	CUMULATIVE EST COST
Odenton Library	replace or repair interior automatic door	\$26,000	\$683,500
Annapolis Senior Center	Restroom Renovation	\$125,000	\$808,500
Brooklyn Park Senior Center	Bathroom Renovation	\$100,000	\$908,500
HOC 2664	Replace exterior doors	\$100,000	\$1,008,500
O'Malley Senior Center	Repaint inside of building	\$50,000	\$1,058,500
Pascal Senior Center	Resurface Stage	\$25,000	\$1,083,500
Pascal Senior Center	Public Bathrooms renovation	\$125,000	\$1,208,500
Pascal Senior Center	Replace carpet in the building	\$75,000	\$1,283,500
HST 1 - R & P Health Annex	Update kitchen and kitchenette	\$40,000	\$1,323,500
HOC 2664	Licensing Division Relocation	\$100,000	\$1,423,500

# C443500 - Facility Renovation/Relocation

LOCATION	REQUEST	EST COST	CUMULATIVE EST COST
Kinder Farm Park	Ceiling in VC is collapsing	\$15,000	\$1,438,500
O'Malley Senior Center	Upgrade art room with additional cabinetry and lighting	\$40,000	\$1,478,500
Eastern (central) Maint Yard	Improvements to office, maint and sign shop	\$40,000	\$1,518,500
Eastern District Roads	Paint Project	\$10,000	\$1,528,500
30 Armiger	Replace all windows in the building	\$10,000	\$1,538,500
41 Avalon Shores	Remove paneling, replace with drywall, paint	\$30,000	\$1,568,500
POL HQ	Renovate Lobby	\$10,000	\$1,578,500
POL Spec Ops Division	Paving/walkway	\$7,500	\$1,586,000
11 Orchard Beach	Large fans for the engine bay	\$5,000	\$1,591,000
21 Harmons Dorsey	Addition of 2 commercial ceiling fans in the apparatus bays	\$4,000	\$1,595,000



# C443500 - Facility Renovation/Relocation

LOCATION	REQUEST	EST COST	CUMULATIVE EST COST
Severn #4	Kitchen Renovation	\$70,000	\$1,665,000
MD City #27	Kitchen Renovation	\$70,000	\$1,735,000
Severn #4	Bathroom Renovation	\$80,000	\$1,815,000
MD City #27	Bathroom Renovation	\$80,000	\$1,895,000
Brooklyn #31	Bathroom Renovation	\$75,000	\$1,970,000
Fire HQ - Simonds wing	Replace wall finish	\$10,000	\$1,980,000
Commerce Park	Soundproofing	\$60,000	\$2,040,000
Circuit Courthouse	Jury room refresh	\$85,000	\$2,125,000

\*Representative list of projects

# C537800 – County Facilities & Systems Upgrades - Page 8

- Requesting \$12,250,000 in FY25 towards the back log and growing demand for repairs or equipment replacement in older buildings (increase from \$6.5 million).
- Request includes funds to complete previous funded projects as well as a prioritized project list for FY25.
- The FY25 list included here far exceeds this years request, therefore a backlog of projects will continue.

FY25: \$12.25M

FY26 - FY30: \$6.5M each year

# C537800 - County Facilities & Systems Upgrades

LOCATION	REQUEST	EST COST	CUMULATIVE EST COST
<i>HOC 2664</i>	<i>3rd &amp; 4th floor renovation</i>	<i>\$2,500,000</i>	<i>\$2,500,000</i>
<i>Arundel Center North</i>	<i>HVAC</i>	<i>\$4,650,017</i>	<i>\$7,150,017</i>
<i>Countywide</i>	<i>Boiler Sys Replace Ph II</i>	<i>\$187,240</i>	<i>\$7,337,257</i>
<i>E District Police</i>	<i>HVAC</i>	<i>\$1,479,000</i>	<i>\$8,816,257</i>
<i>Hein Bros Building</i>	<i>RTU to VRF system</i>	<i>FY26</i>	<i>\$8,816,257</i>
<i>Arundel Center</i>	<i>Condensate Drains</i>	<i>FY26</i>	<i>\$8,816,257</i>
<i>So. Dist Pol</i>	<i>Rear parking lot</i>	<i>\$150,000</i>	<i>\$8,966,257</i>
<i>Animal Control</i>	<i>Loading Bay Renovation</i>	<i>\$250,000</i>	<i>\$9,216,257</i>
<i>Glen Burnie Health</i>	<i>Plumbing</i>	<i>\$700,000</i>	<i>\$9,916,257</i>

# C537800 - County Facilities & Systems Upgrades

LOCATION	REQUEST	EST COST	CUMULATIVE EST COST
Arundel Center North	Fire Alarm	\$600,000	\$10,516,257
O'Malley Senior Center	Replace cooling tower pumps	\$45,000	\$10,561,257
West Annapolis #40	Replace natural gas lines and heaters	\$20,000	\$10,581,257
South County Rec	Replace r-22 system	\$120,000	\$10,701,257
Heritage 2662	Window/Lobby Leaks (Phase 2)	\$300,000	\$11,001,257
Heritage 2664	Window/Lobby Leaks (Phase 3)	\$300,000	\$11,301,257
Heritage 2666	Window/Lobby Leaks (Phase 4)	\$300,000	\$11,601,257
Crofton Library	Rebalance HVAC	\$30,000	\$11,631,257
Londontowne	Replace split system for basement	\$120,000	\$11,751,257

# C537800 - County Facilities & Systems Upgrades

LOCATION	REQUEST	EST COST	CUMULATIVE EST COST
3 HST	3 HST Elevator Rehab	\$300,000	\$12,051,257
Hein Bros Building	Hein Bros Elevator Rehab	\$150,000	\$12,201,257
Lula Scott	Renovate/replace windows, doors, signage, paint	\$350,000	\$12,551,257
OIT	4th floor renovation	\$1,000,000	\$13,551,257
Farmers Market	Replace roof	\$900,000	\$14,451,257
Eastern District Roads	Solar Roof Project	\$40,000	\$14,491,257
HST 3 - Health	Update lab lower level	\$50,000	\$14,541,257
990 Stewart Ave	Northern Maintenance Yard Building Improvements	\$25,000	\$14,566,257
5 Waugh Chapel	Resurface the station's parking lot	15,000.00	\$14,581,257

# C537800 - County Facilities & Systems Upgrades

LOCATION	REQUEST	EST COST	CUMULATIVE EST COST
9 Harwood Lothian	Install permanent commercial dehumidifiers in the basement	10,000	\$14,591,257
Police Headquarters	Brick work	\$50,000	\$14,641,257
Boilers	West county Regional Library Brooklyn Fire	\$500,000	\$15,141,257
R-22's / BAS	JRDC - next phase South County Recreation Severna Park Library Northern District Police Station	\$2,000,000	\$17,141,257
Roofs	Orchard Beach #11 Central Garage Glen Burnie Garage Police Station Northern Western Police Northern Rds Yd Brooklyn Park Library West Annapolis #40 Arundel #7	\$2,000,000	\$19,141,257
Demolition	TBD	\$50,000	\$19,191,257

\*Representative list of projects

# C571700 - Parking Garages Repair and Renovation - Page 9

- Total project cost increased due to identified needs, current cost estimates and addition to the scope of elevator modernization.
- Current three elevators at Glen Burnie Parking Garage are outdated with one permanently disabled, and the other two having continual problems.
- Modernization of the technology prevents service interruptions, provides quicker resolution for issues, improves safety and ensures accessibility for all County residents and employees.

FY25: \$773,000

FY26 - FY30: \$8,429,000

# C577900 - Ralph Bunche Center Renovation - Page 12

- The County has taken back ownership, will lease the renovated building back to the community nonprofit. Once renovated the building will provide event space for community, a food pantry, museum rooms honoring the history of the building, and will provide flexible County program space.
- A full renovation is needed to rehab the building and provide safe space for the additional programming.
- County Operating costs - cost of operating the facility includes security, alarms, utilities, custodial, etc (estimated at \$110k annually). Programs will each have their own operating costs which are currently unknown.

FY25: \$5,158,000

FY26 - FY30: \$0



# C585700 - Circuit Courthouse

## Renovation - Page 14

Courthouse Major Reno Projects	FY 25	FY26	FY27	FY28
Bathroom Remodels	x			
Court House Front Door	x			
Asphalt Roof / 2 Slate Roofs (3 Phases) rehab.	x	x	x	
Heating Pumps	x	x		
Cooling Pumps	x	x		
Elevator Replacements (4)	x	x		
AHU Replacements	x	x		
LED Upgrades		x	x	
Roof / Skylight		x	x	
Doors throughout Courthouse			x	x
Wood Trim throughout Hallways			x	x
Oil Separator			x	x
Boiler Support Column				x
Expansion Joints				x

Ongoing multi year major renovation of Circuit Courthouse.

FY24 work included:  
 -Fire Alarm System  
 -Fire Pumps  
 -Fire Accordion Door  
 -Elevator Refreshes (6)  
 -Boilers  
 -Water Booster Pump  
 -Exhaust Fans  
 -Exhaust Grates  
 -Water Lines

FY25: \$9,337,000  
 FY26 - FY30: \$20,921,000

# Ongoing Projects

<b>PROJECT #</b>	<b>PROJECT NAME</b>	<b>STATUS</b>
C437000	Underground Storage Tank Replacement - Pg 6	Added \$100k to FY30.
C571800	Millersville Garage Renovation - Pg 10	Project is on plan.
C571900	Fire Equipment Maintenance Facility - Pg 11	Project is on plan.
C582800	EV Charging Station & Other GMTech - Pg 13	Added \$660k to FY30.
C586100	ADA Retrofit & Installation - Pg 15	Added \$250k to FY30.
C589100	CSSC Water Supply - Pg 16	Cost escalation of \$603k - revised plan.

# Closing

- Ongoing Studies: Crownsville; Future of Truman Complex; Arundel Center North fire alarm system.
- Projects supported by C443500 and C537800 benefit all County agencies and ensure that County facilities remain safe, operational, and energy efficient.
- OCS projects fund general County facilities and needs; specialized facilities and equipment has traditionally been the direct responsibility of the Using Agency
- Top FY25 priorities:
  - County Facilities & Systems Upgrades (C537800)
  - Facility Renovation/Relocation (C443500)

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## Bureau of Engineering Dredging Projects

FY25 Proposed Capital Budget  
February 16, 2024



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# Dredging Program

Highlighter Pg 84; One Pager - Pg 226

- Maintaining navigable depths for recreational boating along County shoreline
- **163** Navigable Channels County-wide (2 Federal Channels)
- Funding typically 50/50 with DNR Waterway Improvement Funds

# Q002025 FY25 Dredging Program (pg 226)

- **FY25 Grant Requests**
  - **Recommended \$2,099,000 (\$935,000 grant request)**
    - Broadwater Creek Dredging: \$1,010,000
    - Carrs Creek Dredging: \$463,000
    - Parker Creek Dredging: \$626,000
  - **Not Recommended**
    - Upper West River & Johns Creek Dredging: \$1,100,000
    - Tenthouse Creek Dredging: \$2,332,000





**Q002025**  
**FY25 Dredging**

**Carrs Creek**  
**Dredging**

182 Beneficiaries  
4,500 Total C.Y.





# Q528400 - South County Dredging Strategic Plan (pg 234)

- FY25 Funding \$1,906,000 Including \$450,000 grant awarded
  - Phase 1 Construction
- FY26 Funding \$946,000
  - Fine grading of dredged material



Figure 1 – South County Shoreline Area

**Q582400  
South County  
Dredging  
Strategic Plan**

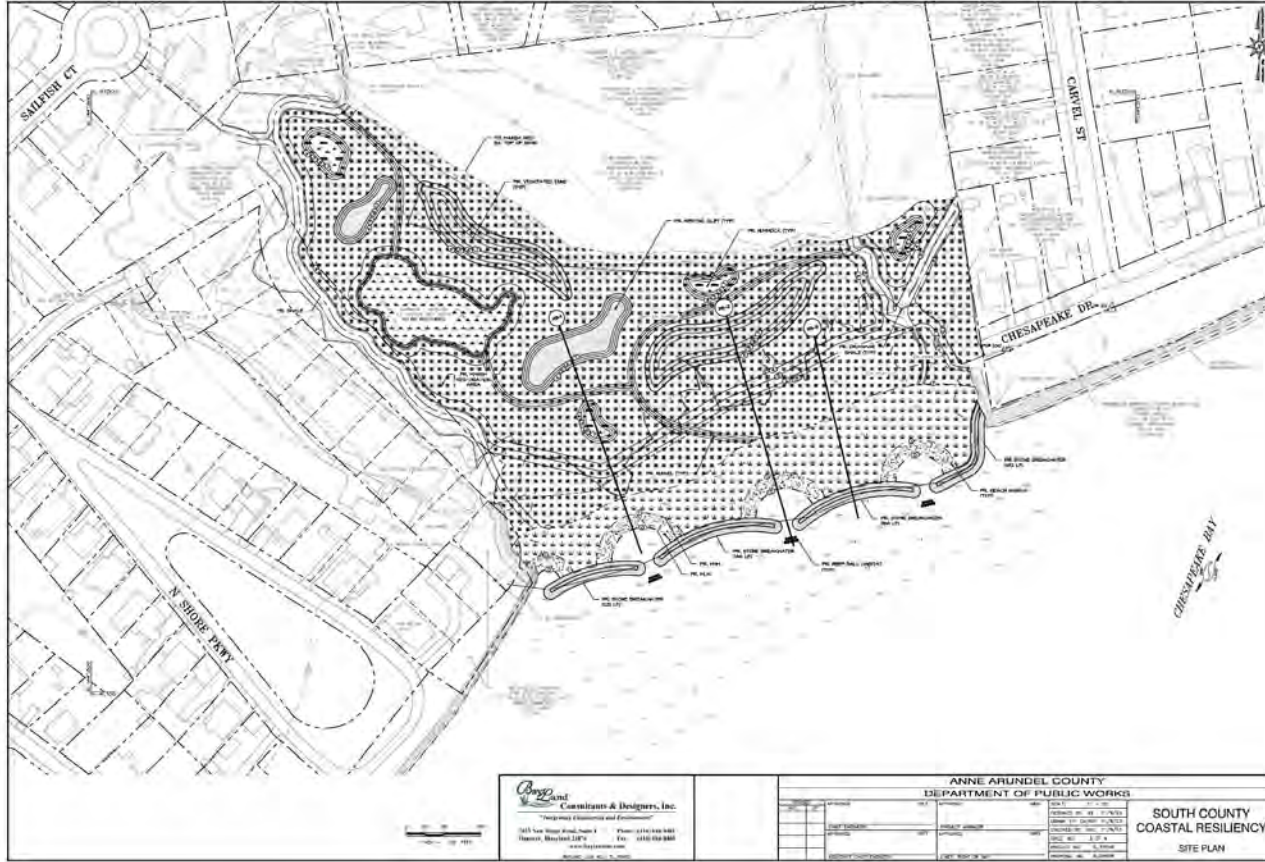
**Location Map**



Figure 4 – Site 1 Existing Habitats near Site 1 – Broadwater Creek Area

**Q582400  
South County  
Dredging  
Strategic Plan**

**Containment  
Site #1**



**Q582400**  
**South County**  
**Dredging**  
**Strategic Plan**

**Containment**  
**Site #1 -**  
**Preliminary Plan**

# Dredging Program - Project Budget Changes

- **Q463600 – Waterway Improvement Project Planning** – Reduce FY25 funding based on available funds - \$36,000 reduction
- **Q475000 – Waterway Dredge Placement** – Increase based on identified projects - \$22,000
- **Q514100 - Sloop, Eli & Long Coves Retrofits** - Increase based on cost estimates - \$120,000
- **Q542900 - SAV Monitoring** - Increase FY25 based on identified needs - \$31,000 increase
- **Q582200 - Deep Creek HW & Cove Dredging** - Completed - give back \$51,000
- **Q584900 - Yantz & Saltworks Creek Dredging** - Decrease based on current cost estimates - \$84,000

# Dredging Program - Project Budget Changes

- **Q585000 - Grays Creek & Hunters Harbor Dredging** - Decrease based on current cost estimates - \$367,000
- **Q585100 - Dividing Creek Dredging 2** - Decrease based on current cost estimates - \$51,000
- **Q588500 - FY23 Dredging** - Decrease based on current cost estimates - \$391,000
- **Q591100 - FY24 Dredging** - Increase based on current cost estimates - \$203,000

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## Bureau of Watershed Protection and Restoration (BWPR) FY25 Proposed Capital Budget (B-Class)

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FEBRUARY 16, 2024



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## Plan2040

- Policy NE1.3: Protect, enhance, and create living shorelines and nearshore habitat.
- Policy NE3.1: Increase the amount of protected land in the County.
- Policy NE4.1: Achieve or exceed Federal and State mandated water quality standards.
- Policy NE4.2: **Limit the addition of impervious surfaces, and encourage the reduction of impervious surfaces.**
- Policy NE6.1: Improve interdepartmental coordination to establish consistent environmental data in order to maximize the success of sustainable and resilient policies.

## Plan2040

- Policy NE6.1: Improve communications and outreach with County residents to engage and educate regarding sustainable and resilient policies.
- Policy BE5.1: **Ensure that adequate infrastructure capacity exists prior to or concurrently with development through enforcement of Adequate Public Facilities Ordinance requirements** and by prioritizing necessary capital investments and infrastructure improvements that supports redevelopment and development in the Targeted Development, Redevelopment and Revitalization Policy Areas.

## Program Drivers

Mission - To restore County waterways, pursuant to the Bay Total Maximum Daily Load (TMDL) requirements and administer the County's Municipal Separate Storm Sewer System (MS4) permit.

- Design and construct watershed restoration projects to reduce nutrient and pollution discharges in accordance with federal and state regulations.
- Focus on enhancing climate resilience of infrastructure and the built environment.

## Regulatory

MS4 Permit: 20-DP3316 MD0068306

By the end of this permit term, Anne Arundel County shall commence and complete the implementation of restoration of 2,998 acres that have not been treated to the MEP that has not already been restored to the MEP by implementing stormwater BMPs, programmatic initiatives, or alternative control practices in accordance with the 2021 Accounting Guidance.

## Summary of Watershed Protection & Restoration (B-Class) Request

- There are no new B-Class project requests.
- Preliminary FY25 request is ~\$16,250,000 above recurring programmed. Primarily construction phase increases associated with existing projects.
- Of that additional request ~\$500,000 is recognizing outside grant awards (DNR Trust Fund).
- FY25 continues to provide funding for the County's grant program through CBT and its Full Delivery of Water Quality Improvements Program.

## Infrastructure Projects: (B551600 & B551700)



*Piney Orchard pond maintenance*



## WPRP Restoration Grants (B561100)



# Stream and Outfall Restoration





## FY 2025 Project Highlights (page 109 Highlighter Report)

Project	Page	Name	FY25 (\$000)	GDP Policy	Program Driver	
B551600	441	Culvert and Closed SD Rehab (c)	\$5,167	BE5.2	Extend useful life/Enhance	
B551700	442	Emergency Storm Drain (c)	\$2,350	BE5.2	Extend useful life	
B551800	443	Storm Drainage/SWM Infrastructure (+)	\$2,040	BE5.2	Extend useful life/Enhance	
B561100	460	WPRP Restoration Grant	\$1,000	NE4.1	Regulatory	
B568300	462	Public/Private Performance of Water Quality Improvements (+)	\$2,000	NE4.1	Regulatory	
B553700	446	PT-ST-02 (+)	\$2,089	NE4.1	Regulatory	Muddy Bridge Branch
B555400	448	Patapsco Non-Tidal Outfalls (+)	\$2,100	NE4.1	Regulatory	Various outfalls
B555600	449	PN-PP-01 (+)	\$1,200	NE4.1	Regulatory	Private ponds - Patapsco

## FY 2025 Project Highlights (cont.)

Project	Page	Name	FY25 (\$000)	GDP Policy	Program Driver	Location
B559100	454	SO-ST-01 (+)	\$1,540	NE4.1	Regulatory	Susans Branch - West
B559700	457	SO-ST-04 (+)	\$2,150	NE4.1	Regulatory	Glebe Branch
B568000	461	Shipley's Choice Stream (+)	\$1,385	NE4.1	Regulatory	Bear Branch
B571100	463	Magothy Outfalls (+)	\$4,490	NE4.1	Regulatory	Foxmoor & Harting Farms projects
B571600	464	Severn Outfalls (+)	\$300	NE4.1	Regulatory	Upper Cowhide
B582500	467	Clark Station Road Resilience	\$5,245	NE4.1	Regulatory	
B585300	468	Lake Marion Construction	\$250	NE4.1	Regulatory	
B588800	469	Patuxent Oxbow restoration	\$1,658	NE4.1	Regulatory	

## B585300 - Lake Marion Construction





## Bureau of Utility Operations

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**24-Hour Emergency Water Service:**  
(410) 222-8400  
**Billing Inquiries:** (410) 222-1144



## Bureau of Waste Management Services

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**Bulk Trash Service / Curbside Collections:** (410) 222-6100



## Bureau of Engineering

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**General Inquiries:** (410) 222-7500



## Bureau of Highways

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**General Inquiries:** (410) 222-7321  
**Snow Line:** (410) 222-4040  
**Email:** [hwyscustomer@aacounty.org](mailto:hwyscustomer@aacounty.org)



## Bureau of Watershed Protection and Restoration

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**General Inquiries:** (410) 222-4240

## Customer Relations

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**General Inquiries:** (410) 222-7582  
**Email:** [pwcust00@aacounty.org](mailto:pwcust00@aacounty.org)





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**Planning Advisory Board Meeting  
Capital Improvement Program  
FY2025 - FY2030**

**FY 25 Department Request (N-Class)  
Bureau of Waste Management Services  
February 16, 2024, 2:15 p.m.**

## Plan2040

Goal HC9 - Efficiently manage, reduce and recycle residential solid waste

- Policy HC9.1: Optimize recycling programs, systems and outreach with a clear priority toward **promoting reducing, reusing and recycling** residential discards over land disposal
- Policy HC9.2: **Maximize the life expectancy** of the Millersville Landfill and delay replacement long into the future
- Policy HC9.3: Encourage County residents to **recycle all that the program allows** through curbside collection and drop off options available at County recycling centers and the Landfill
- Policy HC9.4: Former landfill sites and adjacent properties should be redeveloped with compatible land uses

# Program Drivers

Manage the collection, processing, and recycling of solid waste

- Preserve and **extend the useful life of infrastructure** to support waste recycling, processing and disposal activities
- Ensure adequate recycling and disposal **capacity** through expansion of facilities and programs to support growth in accordance with the 10-Yr Solid Waste Management Plan
- Meet federal, state and local **regulatory** requirements
- **Enhance** facilities to address climate resiliency, customer, programmatic, and other emerging needs

# FY 2025 Department Requests

Page	Project	Name	FY25 (\$000)	GDP Policy	Program Driver
325	N422700	SW Project Planning (+)	\$586	HC9.1-9.3	Enhancement
326	N526900	Solid Waste Renovations (+)	\$2,040	HC9.1	Extend useful life
327	N578800	MLF Subcell 9.3 Design/Const. (-)	(\$2,800)	HC9.2	Capacity
		<b>Total</b>	<b>(\$174)</b>		

(+) Funding Request is more than Approved Program

(-) Funding Request is less than the Approved Program

(c) Funding Request is consistent with the Approved Program



# FY 2025 - FY 2030 Department Requests

Page	Project	Name	Change (\$000)	Prog Yr	Program Driver
325	N422700	SW Project Planning (+)	\$586	FY25	Enhancement
326	N526900	Solid Waste Renovations (+)	\$2,040	FY25, FY30	Extend useful life
327	N578800	MLF Subcell 9.3 Design/Const. (-)	(\$2,800)	FY25	Capacity
328	N581900	MLF-Cell 9 LFG Design/Const (+)	\$15	FY28, FY29	Regulatory
329	N590800	MLFRRF Maint Bldg Upgrades (+)	\$166	FY28, FY29	Extend useful life
330	N590900	MLF Subcell 9.4 Design & Const (+)	\$25,516	FY29, FY30	Capacity
		<b>Total</b>	<b>\$25,523</b>		

(+) Funding Request is more than Approved Program

(-) Funding Request is less than the Approved Program

(c) Funding Request is consistent with the Approved Program

## N422700, SW Project Planning (p. 325) [Enhancement]

- N422700 SW Project Planning provides for planning level studies with preliminary engineering; reports inform future projects and budgets
- \$586 thousand is requested in FY 2025
- Work completed in FY 2024
  - 10-Yr Solid Waste Mgmt Plan Update (2024-2033)
  - Enhanced Organics Collection Study
  - Recycling Center Operations Efficiency Study
- Notable other work includes:
  - Capital Replacement Schedule for LFGE Project
  - Disposal Capacity Expansion Study
  - Leachate Pretreatment Process Technology



## N526900, Solid Waste Renovations (p. 326) [Extend Useful Life]

- The Solid Waste Enterprise cares for its own buildings, roads, sewer, water, mechanical and electrical systems
- The FY 2025 programmed request will fund:
  - Building Fire Code Compliance Study
  - LFGE Project Cat™ 3520 Engine Overhauls
  - Pavement management in accordance with Century Engineering planning studies
  - MLF Blower/Flare Station roof replacements
  - NRC Maintenance Building Renovation
  - Recycling Center Pavement Striping and Signage Redesign
- Additional funding of \$600K is requested in FY 2025, and \$1.44 million is added for FY 2030



Central Recycling Center  
Lower Recycling Wall  
Renovation - 2023

## N578800, MLF Subcell 9.3 Design/Const. (p. 327) [Capacity]

- Subcell 9.3 is the third phase of Cell 9 disposal area development
- Design funding was approved in FY 2023, with construction funding programmed for FY 2024
- There are no scope or timing changes
- Construction funding is decreased by \$2.8 million in FY 2025 based on current estimates



Geosynthetic Bottom Liner Deployment - Subcell 9.2

## N581900, MLF-Cell 9 LFG Design/Constr (p. 328) [Regulatory]

- N581900 is for design and construction of landfill gas collection system components as Cell 9 is developed
- Required by USEPA/MDE regulations within 5 years of waste placement
- Construction programmed for FY 2024 in Subcell 9.2
- System design funding for Subcell 9.3 in FY 2028 is increased by \$2 thousand, and additional construction funding of \$13 thousand is requested for FY 2029



Temporary Gas Collection System Install Subcell 9.1



## N590900, MLF Subcell 9.4 Design & Const (p. 330) [Capacity]

- Subcell 9.4 is the fourth phase of Cell 9 disposal area development
- Project is to provide phased waste disposal capacity at MLF
- Design funding of \$4.3 million was programmed in FY 2029 and is reduced by \$68 thousand
- A construction funding request of \$25.6 million is included for FY 2030



MLF Cell 9 Disposal Area - Phased Development



## Bureau of Utility Operations

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## Bureau of Engineering

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## Bureau of Highways

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## Bureau of Watershed Protection and Restoration

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**General Inquiries:** (410) 222-4240

## Customer Relations

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(410) 222-7582



# DPW & YOU

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## Water/Wastewater FY25 Capital Improvement Program Budget

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PAB Meeting - February 16, 2024



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# Asset Inventory Management

Approximate Value of Existing Assets		Replacement Goal	Replacement Life Cycle	Amount Needed to Meet Goal	Requested FY25 Appropriation
Water & Sewer Piping	\$4,140,840,000	1.5%	75 years	\$62,112,600	\$35,399,000*
Pumping Stations	\$1,415,000,000	2%	50 years	\$28,300,000	\$25,424,000**
Water Storage Tank	\$46,500,000	6.67%	15 years	\$3,101,550	\$3,160,000

## Assumptions on replacement costs:

- Water & Sewer Piping @ \$250 per linear foot (3137 miles)
- Pumping Stations @ \$5M each (271 SPS + 12 WBPS)
- Water Storage Tank @ \$1.5M each (31 EWST & GST) - Cost for Tank Painting

## Notes:

\* This includes X733700 Water Rehab/Recon, X7388000 Sewer Rehab, W787800 Fire Hydrant Rehab, and S806700 Cinder Cove FM Rehab

\*\* This includes S791800 Upgr/Retro and S799200 Mayo Collection Sys Upgrade

# Highlighted Sewer Projects

*p. 100*

Project	Name	FY25 Request	Total Project Cost	Program Driver
S002125	WRF Aeration System Improvments (New)	\$5,928,000	\$41,135,000	Regulatory, Reliability
S002325	Mayo Tank Replacement (New)	\$2,500,000	Multi-Year	Reliability
S647500	Baltimore County Sewer Agreement	\$1,063,000	Multi-Year	Regulatory, Reliability
S769700	Mayo WRF Expans	\$1,401,000	\$31,898,351	Enhance, Reliability
S776700	Wastewater Strategic Plan	\$650,000	Multi-Year	Capacity, Reliability
S777200	Central Sanitation Facility	\$1,260,000	\$8,141,614	Enhance
S791800	Upgr/Retrofit SPS	\$22,200,000	Multi-Year	Capacity, Reliability
S792700	Fac Abandonment WW2	\$930,000	Multi-Year	Enhance
S797900	Broadneck WRF	\$300,000	\$11,835,364	Regulatory, Reliability
S799200	Mayo Collection System	\$3,224,000	Multi-Year	Capacity, Reliability
S802300	WRF Infrasrt Up/Retro	\$8,815,000	Multi-Year	Regulatory, Reliability
S806200	SPS Fac Gen Replace	\$3,500,000	Multi-Year	Reliability

# Highlighted Sewer Projects

Project	Name	FY25 Request	Total Project Cost	Program Driver
S806700	Cinder Cove FM Rehab	\$441,000	\$9,398,966	Reliability
S807600	Piney Orchard SPS & FM	\$0	\$34,607,102	Regulatory, Reliability
S809400	Cox Creek Permeate Piping Modi	\$3,494,000	\$6,078,000	Regulatory, Reliability
S810000	Managed Aquifer Recharge	\$5,467,000	\$48,457,000	Regulatory, Capacity
S810100	Minor System Upgrades	\$1,766,000	\$58,886,000	Enhance, Regulatory
S810200	Regional Biosolids	\$11,987,000	\$132,556,000	Regulatory, Reliability
S810300	Cox Creek Septage Facility Impv	\$3,060,000	\$10,916,000	Enhance, Reliability
X738800	Sewer Main Repl/Recon	\$20,000,000	Multi-Year	Capacity, Reliability
X764200	Wastewater Project Planning	\$0	Multi-Year	Varies
X800000	State Hwy Reloc-sewer	\$8,800,000	Multi-Year	Capacity, Reliability
Z533200	Routine Sewer Extensions	\$109,000	Multi-Year	Capacity, Enhance
S807300	Annapolis WRF Upgrade	\$12,500,000	\$45,857,000	Capacity, Reliability

# S002125 - WRF Aeration System Improvements

*(New Project) p. 337*

**Project Description:** This project is for the design, construction and inspection of the improvements to the aeration systems and appurtenances at the water reclamation facilities.

<b>FY25 Request:</b>	\$5,928,000
<b>FY26 Request:</b>	\$0
<b>FY27 Request:</b>	\$35,207,000
<b>Total Project Cost:</b>	\$41,135,000

**Benefits:** This project will upgrade and replace critical equipment at the wastewater treatment plants that are approaching the end of their useful life. The project will enable upgrades to take advantage of advancements in the industry that are expected to improve control and lower operating costs



# S002325 - Mayo Tank Replacements

*(New Project) p. 338*

**Project Description:** Funds are requested for a multi year replacement program of aging Fiberglass tanks and tank controls and all necessary appurtenances, as well as additional easements to include maintenance of tanks controls and controls connections to tanks in the Mayo SSA.

**FY25 Request:** \$2,500,000

**FY26+ Request:** \$4,589,000

**Total Project Cost:** Multi Year

**Benefits:** The fiberglass tanks are beyond its normal service life and DPW has recorded deterioration of the tanks during routine and emergency maintenance calls. This project is necessary to comply with the Capacity Management Operation and Maintenance (CMOM) program in an effort to limit the number and size of sanitary sewer overflows.



# S647500 - Baltimore County Sewer Agreement

(Multi-year) p. 339

**Project Description:** Funds have been approved for construction of improvements to Baltimore City's Patapsco Wastewater Treatment Plant and connecting interceptors. Approved funding is Anne Arundel County's apportioned share of the costs, 7.6%, which will be contributed under agreement to Baltimore County, which in turn maintains a similar agreement with Baltimore City to cover 68% of the project cost.

<b>FY25 Request:</b>	\$1,063,000
<b>FY26 Request:</b>	\$6,469,000
<b>FY27 Request:</b>	\$3,692,000
<b>FY28 Request:</b>	\$2,966,000
<b>FY29+ Request:</b>	\$650,000

**Benefits:** Per Inter-jurisdictional agreement to support rehabilitation and improvements to the Patapsco WWTP. The County's Baltimore City SSA sends flow to this WWTP.



# S769700 - Mayo WRF Expansion

p. 340

**Project Description:** This project is to design, acquire right of ways and construct a force main from the Mayo WRF site to the Annapolis WRF; construct upgrades to the Mayo Influent SPS and the Glebe Heights SPS; and a new force main from Glebe Heights SPS to the Mayo Influent SPS. When completed wastewater will be treated to ENR standards at the Annapolis WRF. The Mayo and Glebe Heights treatment processes will be abandoned and decommissioned.

**FY25 Request:** \$1,401,000  
**Total Project Cost:** \$31.9 Million

**Project Status Update:** The new Mayo SPS is in service and the connection to Annapolis WRF is complete. Final work to decommission Mayo WRF is nearing completion,. The final stage of project is to complete maintenance area improvements at new Mayo SPS.





# S776700 - Wastewater Strategic Plan

*(Multi-year) p. 341*

**Project Description:** This is to fund the development of Sewer Strategic Plans to achieve orderly programming and construction of sewerage facilities and to update the master plan. Work will include development of a biosolids strategic plan to manage wastewater residuals.

**FY25 Request:** \$650,000

**FY26+ Request:** \$150,000

**Reason for Increase:**

Funding is requested to initiate an upgrade of the Utility Allocation System which helps to orderly track demand and record reservation of projected flows for development and to ensure adequate capacity is maintained in the wastewater system.



# S777200 - Central Sanitation Facility

*p. 342*

**Project Description:** This project is to relocate the Glen Burnie Complex to meet the existing and future needs of the Wastewater activities: administration, line maintenance, system evaluation & rehabilitation, and bureau fleet and small engine maintenance. The facility will be located adjacent to the existing Central Water Facility in the Millersville Complex in order to centralize Utility operations, and includes an outdoor storage facility

**FY25 Request:** \$1,260,000

**Total Project Cost:** \$8,141,614

**Project Status Update:** Final Phase of the project, the outdoor storage facility is under design. Funds are requested for construction of the outdoor storage facility based on the current estimate.



# S791800 - Upgr/Retrofit SPS

*(Multi-year) p. 343*

**Project Description:** Funds are requested for design and construction to upgrade existing sewage pumping stations (currently 271 SPS) to meet current control and operational standards.

**FY25+ Request:** \$22,200,000

**Benefit:** This project will better ensure the proper operation and maintenance of stations, avoid over-flows and adverse environmental impacts (e.g odor control) retrofits and replacements are underway to meet State regulations.

S791800 Cumulative Need and Cumulative Request



# S797900 - Broadneck WRF Upgrd

p. 345

**Project Description:** This project consists of upgrading Broadneck WRF to meet permit requirements and to re-rate the treatment facility to 8 MGD. Work includes installing influent screening bypass, bar screen upgrades, disinfection system upgrades and other miscellaneous upgrades. Project also includes upgrade the grit-removal system, to construct hydraulic improvements, and to relocate the influent flow-measuring device.

**FY25 Request:** \$7,834,000

**Total Project Cost:** \$11,835,364

**Project Status Update:** Broadneck WRF Grit System Improvements are projected to be under construction this summer. Pursuing additional land purchase for future expansion and buffer.

**Benefits:** Permit compliance and improved efficiency and to rehabilitate/replace old facilities.



# S799200 - Mayo Collection System

*(Multi-year) p. 347*

**Project Description:** This project is for the expansion of the Mayo Wastewater Collection and Conveyance System and to provide for upgrades to existing facilities.

**FY25 Request:** \$3.2 Million

**FY26 Request:** \$9.0 Million

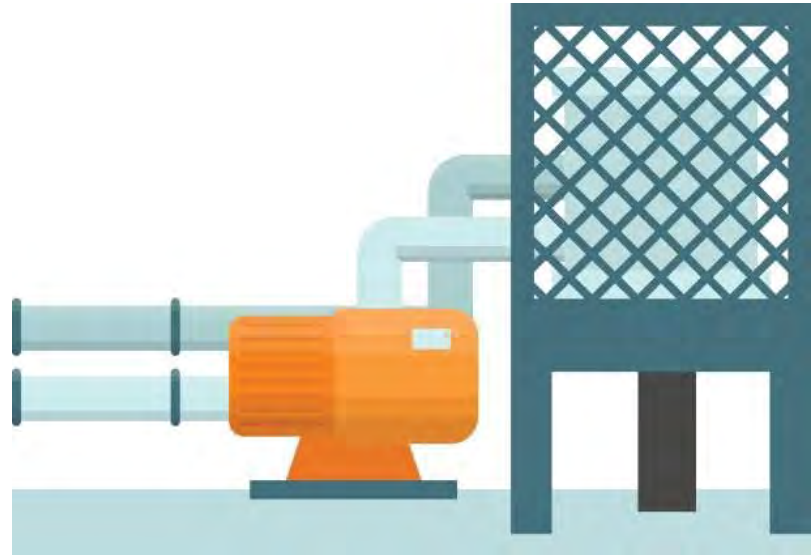
**FY27 Request:** \$5.0 Million

## **Example Projects:**

Shoreham Beach SPS & FM

Carrs Ridge 2-5 SPS Upgrade

**Benefits:** The project will accommodate the planned growth within the Mayo SSA

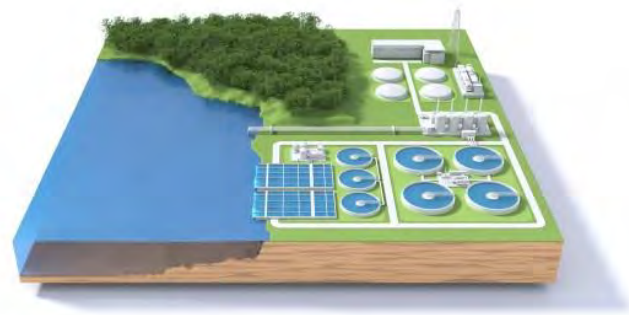


# S802300 - WRF Infrastr Up/Retro

(Multi-year) p. 349

**Project Description:** Funds are requested for design and construction to upgrade various wastewater system infrastructure, including structures, support facilities and equipment to meet current control and operational standards. This includes support facilities.

<b>FY25 Request:</b>	\$8.8 Million
<b>FY26 Request:</b>	\$14.2 Million
<b>FY27 Request:</b>	\$2.0 Million
<b>FY28 Request:</b>	\$2.0 Million
<b>FY29 Request:</b>	\$2.0 Million
<b>FY30 Request:</b>	\$1.5 Million



## Example Projects:

Annapolis Odor Control, Bodkin Pt WWT Condition Asses,  
Cox Creek Headworks Imp, WRF Inf CM/I Task Order, WRF Asset Mgmt

**Benefits:** This project will better ensure the proper operation and maintenance of wastewater infrastructure facilities to allow upgrades, rehabilitation or replacement of various components to improve reliability and performance.

# S806200 - SPS Fac Gen Replace

*(Multi-year) p. 351*

**Project Description:** This multi-year project provides funding for design and construction of replacement generators and fuel tanks at sewage pumping stations throughout Anne Arundel County. The County operates approximately 271 sewage pumping stations. This project provides for installation / replacement of 10 to 15 generators per year as well as associated alterations to address code compliance issues.

**FY25 Request:** \$3.5 Million

**FY26+ Request:** \$3 Million

**Benefit:** Generators provide a more redundant power source to ensure station operation and avoid overflows and adverse environmental impacts in the event of loss of commercial power.

**Project Status Update:** Work continues within this project, as generators reach their useful life, they need replacement. Increase for this project reflects increases due increases in the cost of equipment.



# S806700-Cinder Cove FM Rehab

*p. 353*

**Project Description:** Funds are requested for the design, right of way acquisition, and construction of approximately 5,400 linear feet of 36" force main from Hammarlee Drive to Marley Creek.

**FY25 Request:** \$2.2 Million

**Total Project Cost:** \$14.7 Million

**Benefit:** The project will rehabilitate existing force main segments and will improve operational reliability

**Reason for the Increase:** Based on the current estimate for the rehabilitation of existing isolation and dewatering valves and associated piping and structures.



# S807600-Piney Orchard SPS & FM

*p. 355*

**Project Description:** This project provides for the acquisition of the Piney Orchard WWTP. Project includes the design and construction of upgrades to meet ENR and County operational requirements.

**FY25 Request:** \$0  
**FY26 Request:** \$14.5 Million  
**Total Project Cost:** \$34.6 Million

**Project Status Update:** Design underway for new Piney Orchard SPS and FM.

**Benefit:** This project will consolidate ownership of the collection and treatment systems for the Patuxent and Piney Orchard Sewer Service Areas.



# S809400 - Cox Creek Permeate Piping Mod

*p. 359*

**Project Description:** This project is for the design, construction, and inspection of modifications to the permeate piping at Cox Creek WRF.

**FY25 Request:** \$3.5 Million  
**Total Project Cost:** \$6.1 Million

**Benefits:** This project will address a current operational concern and provide increased reliability in the future by improving the ability to perform maintenance functions.

**Reason for Increase:** Based on current cost estimate, additional funding is requested in FY25. Condition assessment of the permeate piping found additional piping that was leaking that is part of the same system.



# S810000 - Managed Aquifer Recharge

p. 361

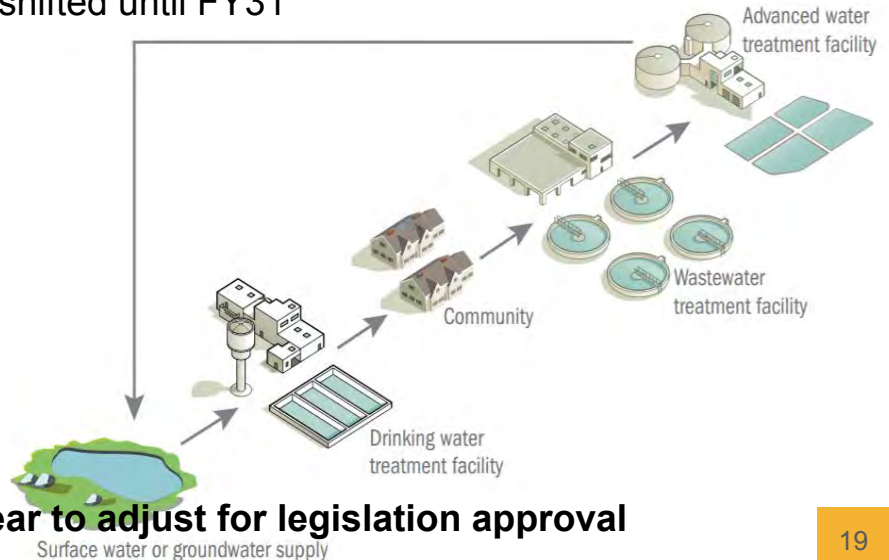
**Project Description:** Design, construction, and inspection work related to the development and implementation of a managed aquifer recharge program. Efforts to include testing, public outreach and education, and full scale implementation.

Funding request for the full scale system has been shifted until FY31

<b>FY26 Request:</b>	\$5.5 Million
<b>FY27 Request:</b>	\$7.2 Million
<b>FY28 Request:</b>	\$28.6 Million
<b>FY29 Request:</b>	\$0.1 Million
<b>Total Project Cost:</b>	\$407.4 Million

**Benefits:** Provides advanced wastewater treatment, groundwater replenishment, and reduces nutrient load at WRFs.

**Note:** Funding Request has been shifted by 1 year to adjust for legislation approval

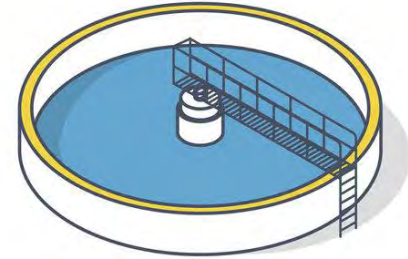


# S810100 - Minor System Upgrades

p. 362

**Project Description:** Design, construction, and inspection work related to the development and implementation of ENR treatment at Boone's Estates, Holiday Estates, Lyon's Creek, Maryland Manor, Patuxent Mobile Estates and Wayson Woods. Work to include a new ENR treatment facilities including headworks and solids handling at each location except for Patuxent Mobile Estates and Holiday Estates which will have a pump station and forcemain to ultimately connect to ENR treatment plants.

<b>FY25 Request:</b>	\$1.8 Million
<b>FY26 Request:</b>	\$13.3 Million
<b>FY27 Request:</b>	\$29.1 Million
<b>FY28 Request:</b>	\$12.1 Million
<b>Total Project Cost:</b>	\$58.9 Million



**Benefits:** Improved wastewater treatment and decrease nutrient loads at several mobile home communities, mostly located in the Southern part of the County. This would greatly improve the quality of the wastewater effluent into local receiving streams and Patuxent River. High Level of BRF Funding likely if projects move forward.

**Need:** Schedule affected by Agreements and Permits

# S810200 Regional Biosolids Facility

p. 363

**Project Description:** Planning, land acquisition, design, construction, and inspection work related construction a new Regional Biosolids Receiving Facility. Project to include plant scale demonstration facility to start in FY25 and regional facility funding starting in FY26.

**FY25 Request:** \$12.0 Million  
**FY26 Request:** \$28.9 Million  
**FY27 Request:** \$86.7 Million  
**Total Project Cost:** \$132.6 Million

**Benefits:** Currently, biosolids are handle via a third party contractor for operations, handling, and disposal. Preliminary estimates show substantial savings to County with Capital Investment in Regional Biosolids Facility.

**Project Status Update:** Project will be design-build.  
Owner's agent has been selected.



# S810300 Cox Creek Septage Fac Improvements

*p. 364*

**Project Description:** Funds are requested for the design, construction, and inspection work related to building a new septage receiving facility at the Cox Creek Water Reclamation Facility.

**FY25 Request:** \$3,060,000  
**FY26 Request:** \$4,261,000  
**Total Project Cost:** \$10,916,000

**Benefits:** This project will improve the septage receiving equipment allowing for more efficient use by private septic haulers at the Cox Creek Water Reclamation Facility and allow use of the facility during off hours.

**Reason for Increase:** Revised Cost Estimate



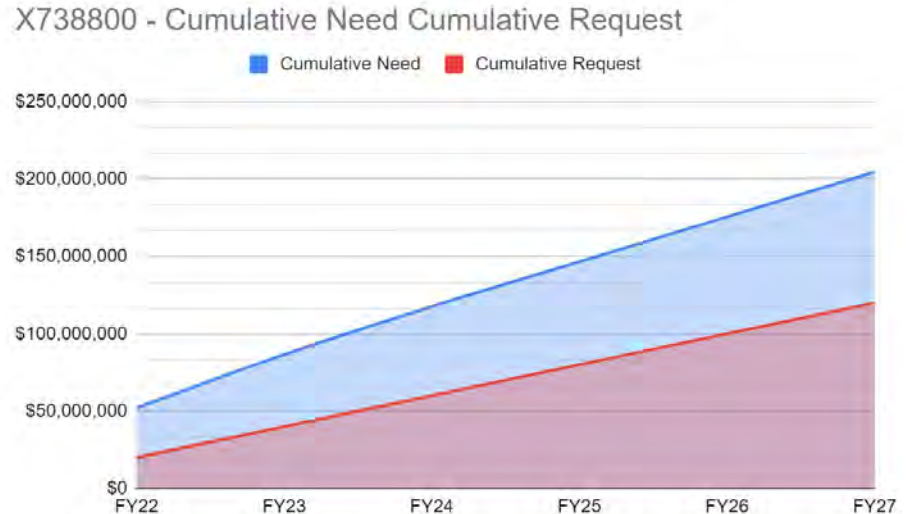
# X738800 Sewer Main Repl/Recon

(Multi-Year) p. 365

**Project Description:** This is a multi year sewer infrastructure investigation, rehabilitation and replacement program to ensure the adequacy of the County's Wastewater Collection System. Studies of the force main network are also included in this project.

**FY25+ Request:** \$20 Million

**Benefit:** Improves reliability of operation.



# X800000 - State Hwy Reloc - Sewer (-Water)

*(Multi-Year) p. 368*

**Project Description:** This project funds for replacement and/or relocation of existing County **Wastewater** Infrastructure and **Water** Infrastructure which are required because of state highway construction.

<b>FY25 Request:</b>	\$8.8 Million
<b>FY26 Request:</b>	\$12.3 Million
<b>FY27 Request:</b>	\$9.4 Million
<b>FY28+ Request:</b>	\$300,000
<b>Total Project Cost:</b>	Multi Year

**Benefit:** Due to construction begins on sections of state highways, existing county water and wastewater facilities in these areas may require relocation due to conflicts in grade or alignment.

## **Reason for Increase:**

Increase based on current estimate for X800108 MD170 & MD174.





# Z533200 - Routine Sewer Extensions

*(Multi-Year) p. 369*

**Project Description:** Funds are approved and programmed to design extensions, provide for land acquisition, and construct minor extensions to the existing sewer system, as petitioned by residents or determined necessary as an integral requirement of CIP road improvements that accommodate the road design and/or avoids future excavation of the new road infrastructure. This project also enables the county to respond to emergency situations mandated by the State Health Department and/or the Maryland Department of the Environment. Construction of major extensions (those estimated to cost more than \$250,000) are programmed and budgeted as separate capital projects.

**FY25 Request:** \$109,000

**FY26 Request:** \$802,000

**FY27+ Request:** \$463,000

**Benefit:** Provides Orderly Service Expansion

**Proposed Changes in FY25:** Change to identify cost limit as **\$1,500,000**

# S807300 Annapolis WRF Upgrade

*p. 381*

**Project Description:** The purpose of this project is to design and construct water reclamation facility improvements to several unit processes. Work includes replacement, modification, and rehabilitation of associated equipment, improvements to Emergency Power, Power Distribution, & Control Systems, and site improvements in the vicinity of these treatment processes.

**FY25 Request:** \$12,500,000 *(Budget request to be updated)*

**Total Project Cost:** \$45,857,000

**Benefits:** The improvements are necessary to ensure continued operation and maintenance of plant and to increase efficiency of plant operations.

**Reason for Increase:** Cost for Annapolis WRF Ph II higher than expected.



# Highlighted Water Projects

*p. 105*

Project	Name	FY25 Request	Total Project Cost	Program Driver
W002225	Heritage Harbor WM Interconnect (New)	\$181,000	\$1,314,000	Regulatory
W778600	Crofton Meadows II WTP Upgr	\$3,254,000	\$21,246,734	Regulatory, Reliability
W778800	Water Strategic Plan	\$785,000	Multi-Year	Capacity, Regulatory
W787800	Fire Hydrant Rehab	\$1,039,000	Multi-Year	Reliability, Enhance
W801400	Crofton Meadows II Exp Ph2	\$33,510,000	\$81,566,350	Capacity, Regulatory
W801600	TM-MD Rte 32 @ Meade	\$0	\$84,874,091	Capacity, Reliability
W801800	Arnold WTP Exp	\$2,120,000	\$10,980,996	Capacity
W803300	WTR Infrastr Up/Retro	\$4,709,000	Multi-Year	Regulatory, Reliability
W809100	AMI Water Meter Program	\$42,041,000	\$64,513,000	Enhance

# Highlighted Water Projects

Project	Name	FY25 Request	Total Project Cost	Program Driver
W809600	Arnold WTP Upgrades	\$1,534,000	\$16,210,000	Reliability, Enhance
W809700	Crofton Meadows WTP Bldg Imp	\$459,000	\$3,445,000	Reliability, Enhance
W809800	Dorsey WTP Improvements	\$1,349,000	\$13,288,000	Reliability, Enhance
W810500	Crofton Meadows WTP Rehab	\$2,576,000	\$48,528,000	Reliability, Enhance
X764300	Water Project Planning	\$1,740,000	Multi-Year	Varies
Y514200	Routine Waterline Extensions	\$1,160,000	Multi-Year	Capacity

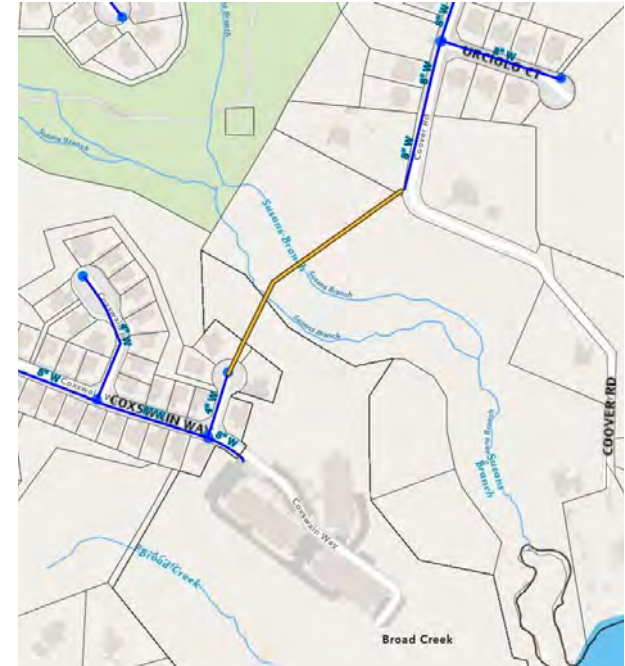
# W002225 - Heritage Harbor WM Interconnect

*(New Project) p. 394*

**Project Description:** Funds are requested for the installation of a new water main to connect two sections of the Heritage Harbor sub-Pressure zone. Work shall include design, construction, and construction inspection related to the construction of a new water line to interconnect portions of the existing Heritage Harbor area

**FY25 Request:** \$181,000  
**FY26 Request:** \$1,133,000  
**Total Project Cost:** \$1,314,000

**Benefits:** This project will interconnect portions of the water distribution system in the Heritage Harbor sub-pressure zone. Interconnecting portions of the distribution system will improve pressure distribution and increase overall service reliability.



# W778600 - Crofton Meadows II WTP Upgr

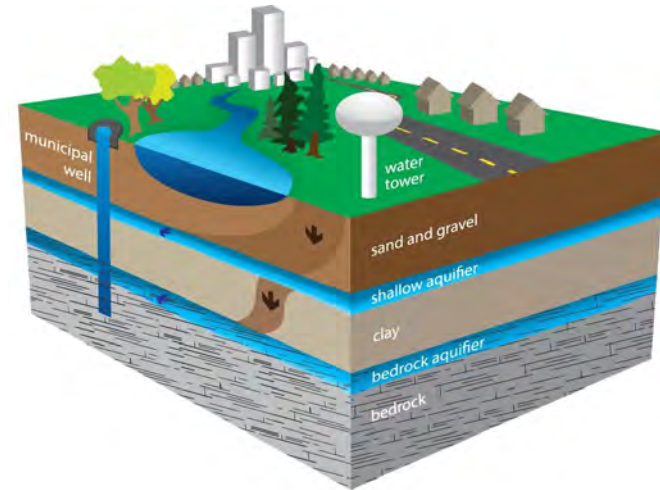
p. 396

**Project Description:** Funds are programmed to increase the capacity of the Crofton Meadows II WTP from 5 to 15 mgd by adding additional sedimentation basins, filters, raw water wells, and other appurtenances necessary for the increased capacity. The construction of this project is funded over two years.

**FY25 Request:** \$3,254,000  
**Total Project Cost:** \$21,246,734

**Benefit:** To meet future demand in Ft. Meade East Water Service Area.

**Project Status Update:** Design of remaining well locations progressing.



# W778800 - Water Strategic Plan

*p. 397*

**Project Description:** This is to fund the update of the Comprehensive Strategic Water Plan, the Master Plan and to Fund the County's Interest in Well Head Protection. Funding through this project will also be used for the development of water strategic plans for the orderly programming and construction planning of water facilities

**FY25 Request:** \$785,000

**FY26 Request:** \$619,000

**FY27+ Request:** \$100,000

**Benefit:** Orderly programming for construction of water facilities and compliance with Federal and State requirements.

**Reason for Increase:**

Funding is requested to initiate an upgrade of the Utility Allocation System which helps to orderly track demand and record reservation of projected flows for development and to ensure adequate capacity is maintained in the wastewater system.

# W787800 - Fire Hydrant Rehab

*p. 398*

**Project Description:** This project is to remove lead paint and repaint fire hydrants. This project is a multi-year, on going project for coating maintenance on an approximate 7-10 year life cycle

<b>FY25 Request:</b>	\$1,039,000
<b>FY26 Request:</b>	\$1,097,000
<b>FY27 Request:</b>	\$1,387,000
<b>FY28 Request:</b>	\$1,409,000
<b>FY29 Request:</b>	\$1,416,000
<b>FY30 Request:</b>	\$1,428,000

**Benefit:** Improved efficiency of operation and identification of needed repairs. Improved aesthetics. Quantification of County assets.

**Reason for Increase:** Based on the current cost and need.





# W801400 - Crofton Meadows II Exp Ph2

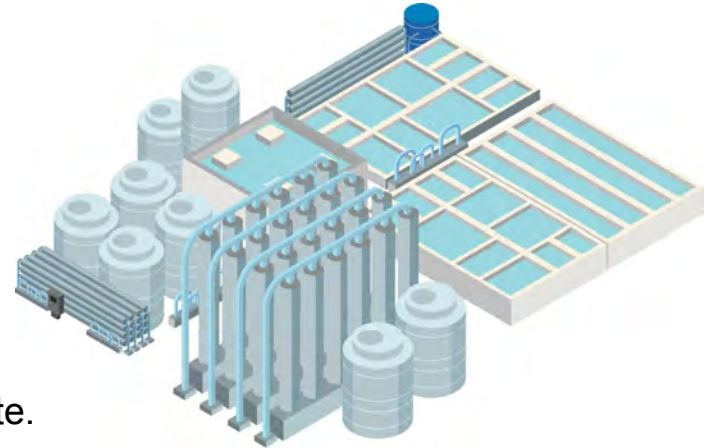
*p. 401*

**Project Description:** This project will provide funding to increase the capacity of the Crofton Meadows II WTP from 15 to 20 MGD by adding additional sedimentation basins, filters and raw water wells. Well field will be increased from 15 to 21.5 MGD. Project will include new raw water isolation valves to allow more operational control of the existing raw water mains to the plant and building modifications and repairs.

**FY25 Request:** \$33,510,000  
**FY26 Request:** \$25,625,000  
**Total Project Cost:** \$81,566,350

**Benefit:** Project will provide increased treatment plant capacity thus increasing water system reliability and reducing reliance on Baltimore City's water supply.

**Reason for Increase:** Based on the current cost estimate.



# W801600 - TM-MD Rte 32 @ Meade

*p. 402*

**Project Description:** This project provides for the design, right of way acquisition, and construction of approximately 5,400 LF of 20" and 15,900 LF of 30" Water main to interconnect the Kings Heights 330 PZ to the MD City 369 PZ.

**FY27 Request:** \$9,346,000  
**FY29 Request:** \$46,519,000  
**Total Project Cost:** \$84,874,091

**Benefit:** Project will improve reliability by providing a looped transmission main. Project will allow flow from the 400 Zone to the 330 Zone and will ultimately be a water source for a future booster pumping station pumping from the 330 Zone and discharging to the 369 Zone and 400 Zone.

**Reason for Change/Increase:** Construction of Rt. 32 Phase of project shifted to FY29 based on the current schedule. An additional waterline have been incorporated into the project to enhance resiliency from the 400 Zone to the 360 Zone.

# W801800 - Arnold WTP Exp

*p. 403*

**Project Description:** This project provides funding for the design, right of way acquisition and construction of an expansion for the Arnold WTP. Project includes the expansion of both, the water treatment facility and well fields from 8 to 16 MGD. The project will also increase the pumping capacity of the booster pumps by 4.6 MGD and upgrade of the existing plant control system. The construction of this project is funded over two years.

**FY25 Request:** \$2,120,000  
**Total Project Cost:** \$10,980,996

**Benefit:** Project will provide increased treatment capacity thus increasing water system reliability and reducing reliance on Baltimore City's water supply.

**Reason for Increase:** Based on the current cost estimate.

# W803300 - WTR Infrastr Up/Retro

*(Multi-year) p. 404*

**Project Description:** Funds are requested for design and construction to upgrade various water system infrastructure, including structures and equipment to meet current control and operational standards.

**FY25 Request:** \$4,709,000

**FY26 Request:** \$1,500,000

**FY27+ Request:** \$2,000,000

## **Example Projects:**

Baltimore City and Ft Smallwood PRV projects, Water Facility Painting, Outdoor Sampling Stations, and Roof Improvements at the Millersville Utility Complex, Severndale WTP Fire Alarm Improvements, Wtr Infrastr CM/I Task Order, WTP Asset Mgmt

**Benefit:** This project will better ensure the proper operation and maintenance of water treatment facilities to allow upgrades, rehabilitation or replacement of various components to improve overall performance.



# W809100 - AMI Water Meter Program

p. 412

**Project Description:** This project will provide funds for design, construction, and implementation of Advanced Metering Infrastructure System. Initial phase of the project will include design and engineering of software architectural and system infrastructure. The project will be a multi-phase implementation project.

**FY25 Request:** \$42,041,000

**FY26+ Request:** \$0

**Total Project Cost:** \$64,513,000



**Benefit:** Automated water meter infrastructure will provide a more enhanced data collection system with improved efficiencies and improved customer interactions.

**Project Update Status:** RFP for the project scheduled for Spring 2024. Funding request shifted to align with procurement. Increase based on current estimate. Note: W806300 Water Meter Replace/Upgrade will decrease corresponding with installation of new meters under this contract.

# W809600 - Arnold WTP Upgrades

*p. 413*

**Project Description:** Funds are requested for the design, construction, and inspection of a new administration building and maintenance building at the Arnold WTP. This project will also include an upgrade to the existing process control system and related SCADA system improvements, and upgrades to the facilities' fires alarm system as needed.

**FY25 Request:** \$1,534,000  
**Total Project Cost:** \$16,210,000



**Benefit:** This project will increase operational efficiency by allowing Team Managers to be more centrally located to the facilities in their area of responsibility. Relocation of personnel from Millersville will also assist in alleviating space constraints at the Millersville location. Improvements to the fire alarm system will improve facility safety.

**Reason for Increase:** Added replacement of ageing electrical power distribution equipment and upgrades to the facility's fire alarm system.

# W809700 - Crofton Meadows WTP Bldg Imp

*p. 414*

**Project Description:** Funds are requested for the design, construction, and inspection of a new administration building at the Crofton Meadows WTP. This project will also include an upgrade to the existing process control system and related SCADA system improvements, and upgrades to the facilities' fires alarm system, and provisions of new air conditioning and dehumidification equipment at the high lift and low lift pumping stations

<b>FY25 Request:</b>	\$459,000
<b>FY26 Request:</b>	\$0
<b>FY27 Request:</b>	\$727,000
<b>Total Project Cost:</b>	\$3,445,000

**Reason for Change/Increase:** Based on current estimate, Schedule shifted to coordinate with improvements under W801400 - Crofton Meadows II Exp Ph 2



# W809800 - Dorsey WTP Improvements

*p. 415*

**Project Description:** Funds are requested for the design, construction, and inspection of a new administration building and maintenance building at the Dorsey WTP. This project will also include related process control system and SCADA system improvements, upgrades to the facility's fire alarm system as needed, and painting and repair of structures and equipment throughout the facility.

<b>FY25 Request:</b>	\$1,349,000
<b>FY26 Request:</b>	\$0
<b>FY27 Request:</b>	\$11,453,000
<b>Total Project Cost:</b>	\$13,288,000

**Reason for Increase:** Added replacement of ageing electrical power distribution equipment which is beyond its useful life.





# W810400 - Crofton Meadows WTP Rehab

*p. 416*

**Project Description:** Funds are requested for the design, construction, and inspection of rehabilitation of the existing process treatment trains at the Crofton Meadows WTP. Work shall include repair, rehabilitation, and replacement of process components, including mechanical, electrical, instrumentation and control, and other supporting components.

**FY25 Request:** \$0  
**FY26 Request:** \$0  
**FY27 Request:** \$6,059,000  
**Total Project Costs:** \$5,934,000

**Reason for Change/Increase:** Based on current estimate, Schedule shifted to coordinate with improvements under W801400 - Crofton Meadows II Exp Ph 2



# X764300 - Water Project Planning

*(Multi-year) p. 419*

**Project Description:** Funds have been approved for preliminary planning, engineering, and cost estimating for proposed future Capital Water Projects. This will be a revolving fund that will be reimbursed as the future capital projects are established and funded in the Capital Budget.

<b>FY25 Request:</b>	\$1,740,000
<b>FY26 Request:</b>	\$2,809,000
<b>FY27 Request:</b>	\$2,086,000
<b>FY28+ Request:</b>	\$250,000

## **Projects Included:**

Major projects include development of Water Asset Management Plan. There will be a similar project in Wastewater Project Planning. Projects also include planning and evaluation of Transite Pipe Replacement.



# Y514200 - Routine Waterline Extensions

*(Multi-year) p. 421*

**Project Description:** This project is for design, land acquisition and construction of minor extensions and minor projects identified by the department to the existing water system as petitioned by residents or determined necessary as an integral requirement of CIP Road Improvement that accommodate the road design and/or avoids future excavation of the new road infrastructure. It will also enable the Department of Public Works to respond to emergency situations mandated by the Maryland Department of the Environment for water service. Construction of major extensions (those estimated to cost more than \$250,000) are programmed and budgeted as separate capital projects.

<b>FY25 Request:</b>	\$1,160,000
<b>FY26 Request:</b>	\$1,089,000
<b>FY27+ Request:</b>	\$755,000

**Benefit:** Provides Orderly Service Expansion

**Proposed Changes in FY25:** Change to identify cost limit as **\$1,500,000**