



Angela D. Alsobrooks
County Executive



Michael D. Johnson, P.E.
Director

Transportation, Infrastructure, Energy and Environment (TIEE) Committee

April 25, 2024



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Core Services and Expertise



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The Department of Public Works & Transportation provides an array of services:



Director's Office

- Communications
- Vision Zero
- GIS
- 311



Administrative Services



Engineering and Project Management



Highway Maintenance



Multimodal Transportation/ Transit Services



Storm Drain Maintenance



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Agency Accomplishments – Snow Season



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- The Department ran a successful snow season with 7 snow events between December 15th through March 15th.
- Staff worked 12-hour shifts.
- Over 580 County Employees, partners, and contractors, were a part of the full operation plan
- County Executive Alsobrooks visited the command center, met with drivers, District Managers, Foreman, clerks, and members of the command staff. The County Executive provided refreshments, thanking everyone for their hard work. She also thanked crews over the Dispatch system.



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Agency Accomplishments – Contracted Tree Trimming



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- **The Department has successfully completed all tree Motorola requests – Over 6,000 requests!**
- Tree trimming is activated through service requests and/or inspections, which are issued to contracted vendors for scheduling and completion. Tree and stump removals are provided when the tree is found to be dead or when dead tree limbs fall to the ground because of inclement weather and stormy conditions.
- The Department is continuing to develop strategic processes and exploring new contracts to address tree 311 requests.





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New Program - PGC311



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- The Department's (Motorola and 311) backlog was over 18,000 service requests.
- The department has comprehensively and tactically addressed the fundamental challenges of closing out service requests and made significant progress, closing over 10,000 requests since October 2022.
- The department's new 311 strategic approach will develop an efficient process to assign, investigate, manage, and complete service requests.





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New Programs – Residential Sweeping



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- The Department of Public Works and Transportation (DPW&T) will roll out Residential Street Sweeping in Prince George's County! This exciting new service will reduce litter located in the gutter pans along curbed residential roadways that contribute to litter buildup within the County and potentially lead to pollutants in our ecosystem.
- DPW&T will implement a countywide residential sweeping program (RSSP) in **two phases**:
 - i. **Summer 2024:** Phase I will utilize three (3) sweepers and service approximately 716 curb-miles of roadway every 5 weeks.
 - ii. **Fall 2024:** Phase II will utilize five (5) sweepers and service approximately 1,571 curb-miles of roadway every 5 weeks.
- New positions have been created for this new initiative and recruitment is underway.
- Additional information and detail on the program will be shared in May!



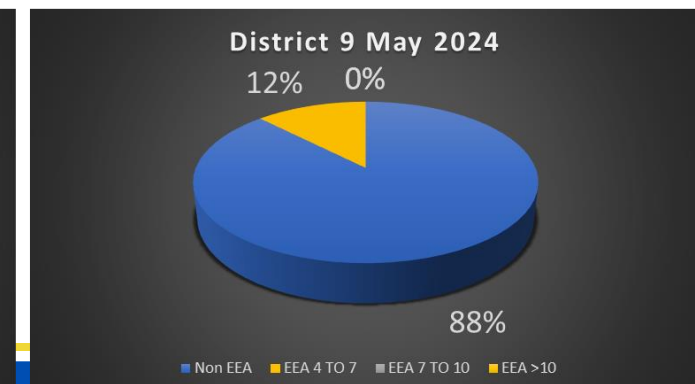
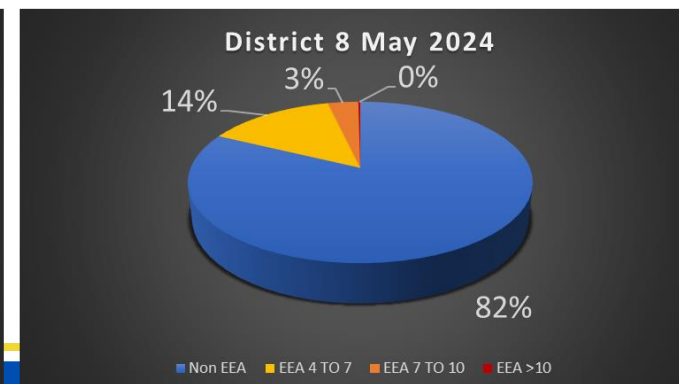
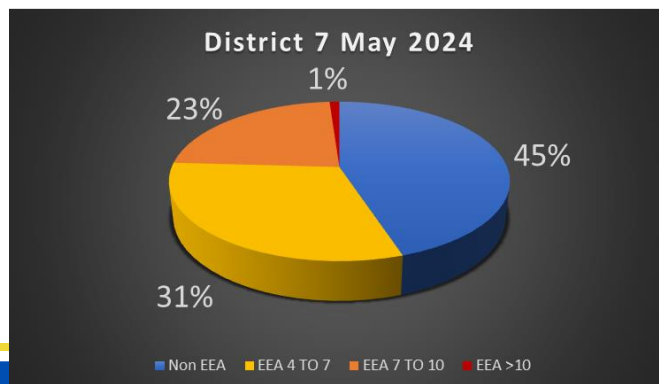
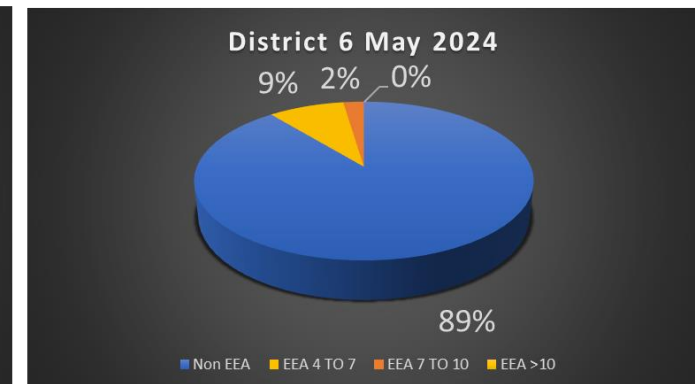
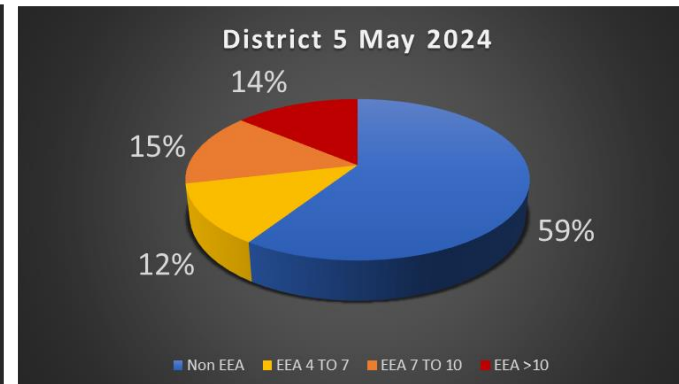
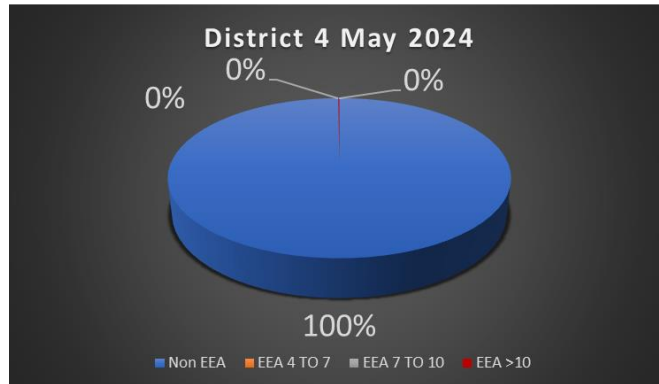
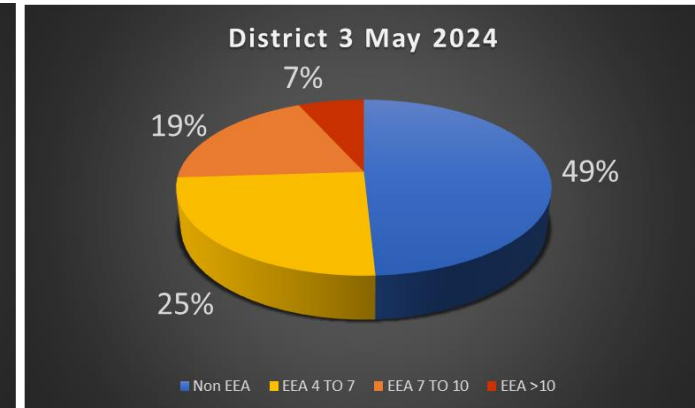
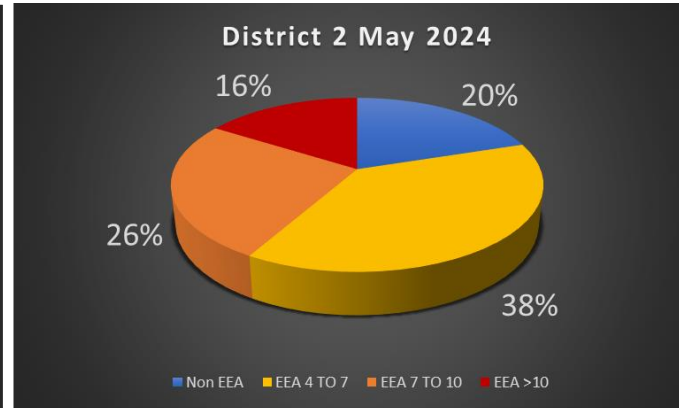
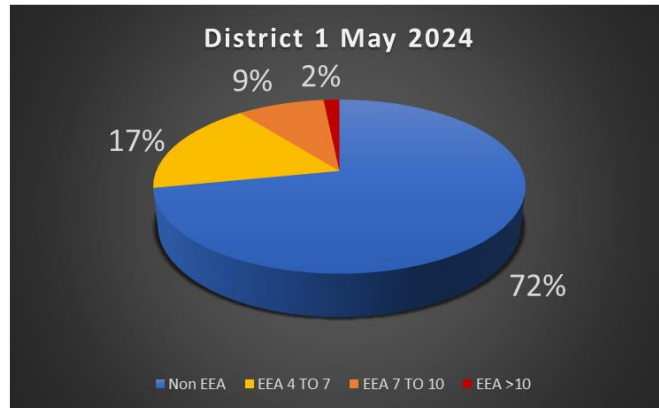
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New Equity Emphasis Data Approach

Percentage Distribution of Lane Miles (below PCI 55) by Equity Emphasis Areas



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Summary Statistics



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Council District	Roadway (ft)	Roadway (Mi)	PCI	Percentage
1	1036717.8	196.3	58.2	10%
2	402328.4	76.2	65.5	4%
3	670146.2	126.9	61.2	6%
4	728362.6	137.9	69.1	7%
5	931985.3	176.5	64.3	9%
6	1741811.4	329.9	62.7	16%
7	754395.7	142.9	68.0	7%
8	1582042.2	299.6	64.6	15%
9	2719132.1	515.0	62.7	26%
		2001.3		



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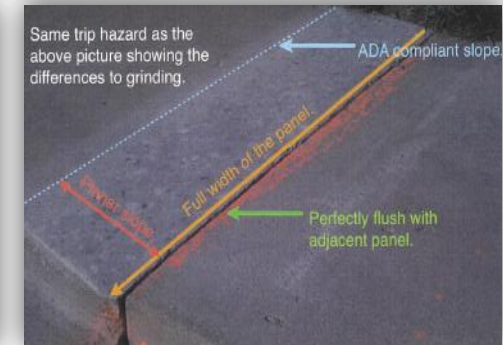
New Programs – Sidewalk Program



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The Department is working with contractor to more efficiently remove tripping hazards and improve the condition of sidewalks in communities throughout the County. Over 65 miles of sidewalks; 16 communities and 14,572 trip hazards repaired in:

- Montpelier Woods, Councilmanic District 1
- Montpelier Ridge, Councilmanic District 1
- Cool Springs, Councilmanic District 2
- Hampshire Knolls, Councilmanic District 2
- Rutledge Subdivision, Councilmanic District 3
- Wood Pointe, Councilmanic District 3
- Maplewood Subdivision Woodlawn Subdivision, District 3
- Hillmeade Estates, Councilmanic District 4
- Highbridge Estates, Councilmanic District 4
- Willow Hills, Councilmanic District 5
- Yorkshire Knolls, Councilmanic District 5
- Fairwood Community, Councilmanic District 6
- Valleybrooke Townes, Councilmanic District 6
- Hillcrest Heights, Councilmanic District 7
- Coral Hills, Councilmanic District 7
- Fort Washington Estates, Councilmanic District 8
- Tantallon South, Councilmanic District 8
- Windbrook Subdivision, Councilmanic District 9
- Hollaway Estates, Councilmanic District 9





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New Program - Sidewalk Management



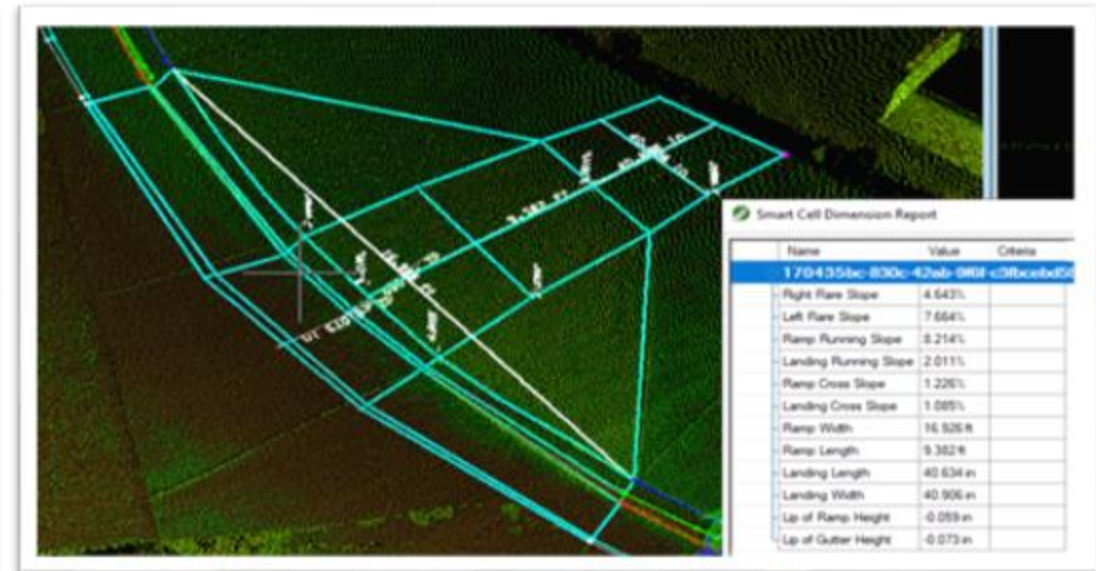
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Sidewalk Gap Inventory

- DPW&T created a sidewalk layer in 2014 to look for sidewalk gaps. This did not analyze condition, only inventory.
- This month (April 2024), DPW&T will begin a sidewalk inventory assessment to analyze sidewalk conditions, ADA compliance, and gap analysis.
- Field data collection will be completed by the end of 2024.
- This survey will also **capture additional DPWT assets in County right-of-way; including sidewalk ramps, pavement markings, bike lanes, multi-use paths, streetlights, traffic signs, and traffic signals**



Sidewalk Analysis Vehicle



Sidewalk Analysis Vehicle



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New Program - Workforce Development Program



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The Department is set to launch the first ever Workforce Development Program. This program includes the development of a comprehensive framework that aide with guiding employees through career paths and progressions unique to DPW&Ts core functions.

This Program will clearly define Knowledge, Skills & Abilities (KSA's) for each functional level and implement training opportunities to upskill staff and prepare them for future opportunities.

Further it will serve to support workforce retention and succession.

Phase I	Framework and Structure completed by end of FY24 (June 30, 2024)
Phase II	Rollout of Phase I Training (FY25 – starting July 1, 2024)
Phase III	Multi-level training agencywide implementation (FY26 and beyond)





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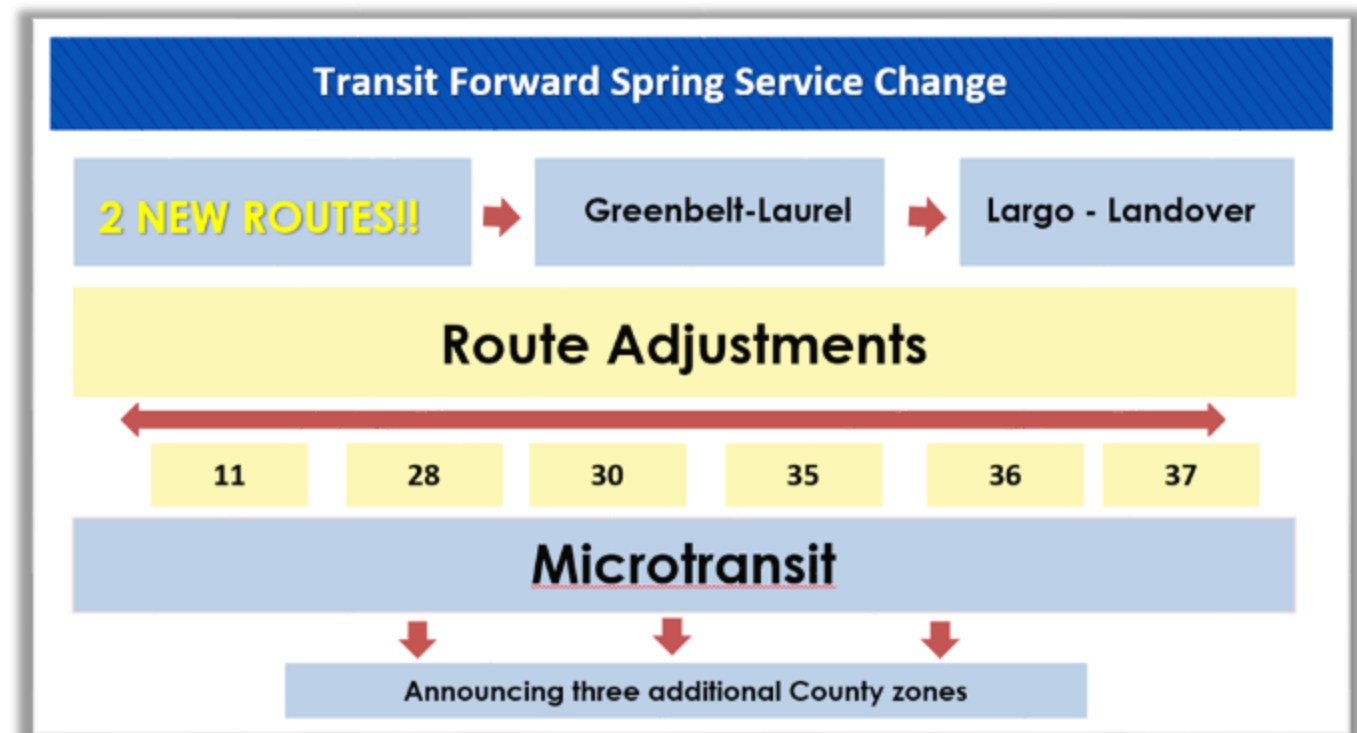
PGC Transit Transformation Initiative



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The Prince George's County Transit Transformation (PGCTT) Initiative encompasses:

- The five-year public transit plan will align and advance citizen and stakeholder transit needs, initiatives, goals, and objectives through the *Transit Vision Plan*
- DPW&T is committed to our **Zero Emission Bus** transition of the diesel bus fleet to zero emission vehicles
- Our teams continue to analyze the quality, effectiveness and delivery of the TheBus services as part of *Transit Forward*
- On June 3rd, TheBus will introduce two new routes as part of the **2024 Spring Service Change**, our second major public transit improvement since November 2023.





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New Program - Transit Vision Plan



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DPW&T: In the Community Transit Vision Plan

- Participated in over 15 events, reaching over 400 stakeholders county stakeholders through onboard communication, community meetings, social media and hub pop-ups
- Contributors include young adults, seniors, government agencies, public libraries, and community members
- The Transit Vision Plan is anticipated to release late Spring 2024





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New Program - 2024 Spring Service Change



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Targeted Improvements

New Routes

The Spring Service Change will highlight new routes servicing Greenbelt to Laurel, and Largo to Landover. We anticipate an increase in ridership by 30%. Residents will now have access to community amenities such as recreation centers, libraries, and shopping centers. This flow in operation reflects the growing demand for convenient transportation options that cater to diverse needs within the community. Moreover, proactive outreach efforts planned for the upcoming weeks aim to ensure that residents are well-informed about the new route servicing their area.

Service adjustments: 15x,21

Layover Adjustments: 11, 26

Service Extensions: 30, 33,36, and 37





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New Program - County's Zero Emission Bus (ZEB) Transition



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- DPW&T has committed to reducing the transit carbon footprint by having a 70% electric fleet by 2035
- DPW&T will launch the \$40M *Proud to Charge* initiative funded by federal and state grants, plus local matching funds
- The *Proud to Charge* initiative includes:
 - Purchasing additional buses
 - Incorporation of in route charging infrastructure
 - Installation of a microgrid system
 - Improvement of electrical systems at the facility, and
 - Workforce development
- The Zero Emission Transition Plan is complete and available.





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Enhanced Focus on Safety



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National Roadway Safety Strategy

The United States Department of Transportation National Roadway Safety Strategy (NRSS) outlines the Department's comprehensive approach to significantly reducing serious injuries and deaths on our Nation's highways, roads, and streets. This is the first step in working toward an ambitious long-term goal of reaching zero roadway fatalities.



Call to Action / Leveraging Opportunities to Meet Challenges

- Safe Streets and Roads for All – Grant awarded – In Implementation
- Bridge Investment – Upgrading Infrastructure Proactively = Safer Structures
- Economic Development in the Region – Emphasis on TOD/Multimodalism
- Vision Zero Prince George's – Safe System Approach



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New Approach: Vision Zero to Safe Systems



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- Vision Zero is a strategy to eliminate all traffic fatalities and severe injuries in Prince George's County by employing the **Safe Systems Approach**, focusing on a **data-driven** methodology and framework.
- The County Executive and Council launched Vision Zero Prince George's in 2019 - commitment to make our streets safe for everyone by 2040.

Vision Zero Program restructuring includes:

1. **Transition to the Safe Systems Approach:** Building and reinforcing multiple layers of protection to both prevent crashes from happening in the first place and minimizing the harm caused to those involved when crashes do occur.
2. A data-driven **Vision Zero Action and Implementation Plan 2025 - 2030**
3. **Vision Zero Community Pairing Program** by FHWA: Prince George's County Vision Zero program been selected and paired with NYC. This partnership can enhance program and coalition building, consultation coordination, Vision Zero integration, HIN development, and community engagement.
4. **Near-miss study:** Applied for a technical assistance program by MWCOG TPB to identify and study near-miss incidents data and prevention strategies.





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Capital Improvement Projects



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Storm Drain
Improvement
and Culvert
Repair



Bridge Repair,
Reconstruction
And
Construction



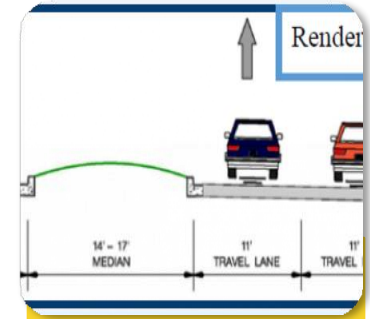
Intersection,
Traffic Signal
and Street Light
Improvements



Roadway
Improvements
and
Maintenance of
Traffic



Sidewalk,
Pedestrian
Access and
Bikeshare



Project
Planning and
Developer
Projects



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Stormwater Infrastructure Restoration: Flood Control



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In FY24, the Office of Storm Drain Management (OSDM) continued the CEX's Proud Priorities: Improving flooding mitigation and aesthetics through beautification, and environmental health through water quality efforts. This includes the restoration, improvement, and maintenance of the existing stormwater infrastructure throughout the County.

DPW&T - OSDM - Stormwater Infrastructure Improvements in FY24

Minor Flood Control Projects (EA)	115
Inlet Replacement/ Improvements (EA)	75
Storm Drain Pipe Replacement/ Improvements (LF)	50,000
Channel Conveyance Maintenance (LF)	39,680
Storm drain Pipe Maintenance (LF)	48,200
Inlet Maintenance (jet-vacuum) (EA)	1,000
Sediment/ Debris Removal (Tons)	4,700
FY 24 Budget	\$ 3,800,000.00





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MDE Consent Decree



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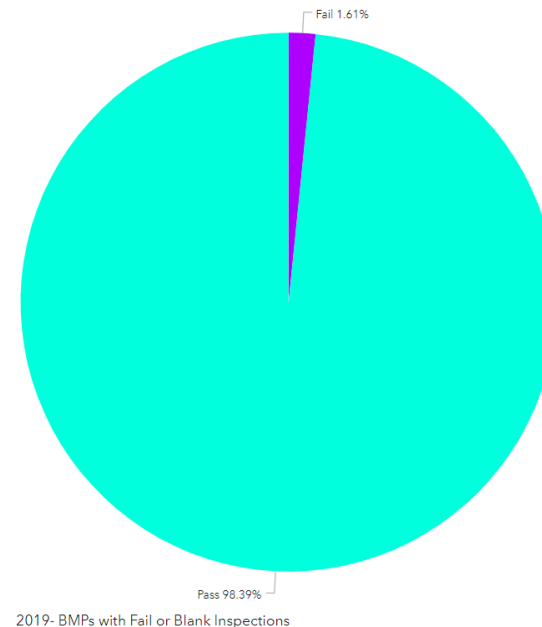
Consent Decree Mandate: DPW&T is responsible for sections II6a and II6C.

128 Failing SWM facilities and 16 Restoration BMPs were identified in the Consent Decree as failing

Consent Decree Status:

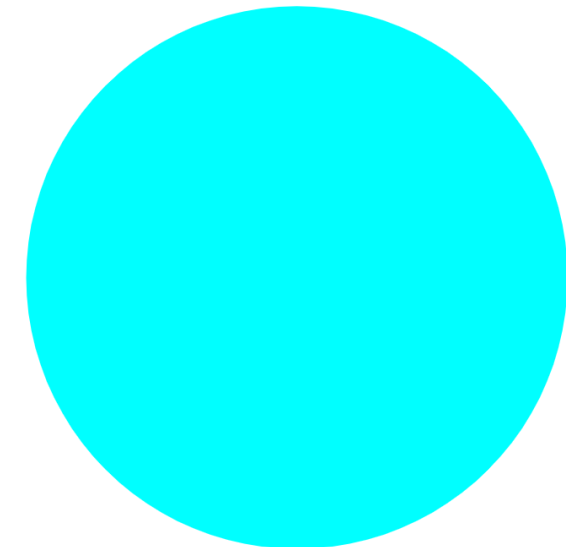
- Failing SWM Facilities: 98.4% completed
- ❑ 128 SWM Facilities are now Passing
- ❑ 2 SWM Facilities under construction.
- OSDM is on track to complete the Consent Decree by the end of April 2024.
- Consent Decree Restoration BMPs
- ❑ 100 % completed

Consent Decree II6a



2019- BMPs with Fail or Blank Inspections

Consent Decree II6c - Restoration BMPs



2019- Restoration BMPs with a Fail or Blank Inspection



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NPDES SWM Pond Maintenance



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SWM Pond Maintenance:

900 SWM facilities in current asset inventory. OSDM is responsible for functional maintenance. New assets are added each year.

- Mowing of SWM Facilities twice a year – Spring and Fall.
- Perform Triennial Inspections as required by MDE.
- Life cycle maintenance, including replacing pipes, structures, damaged or inoperable valves, stairs, trash racks, and repair to the structural integrity of embankments, outfalls, and access roads.

DPW&T – OSDM SWM Pond Restoration and Functional Maintenance

Stormwater Structure Restoration & Construction	\$ 7,000,000.00
SWM Pond Mowing (572 Ponds)	\$ 498,000.00
Consent Decree (Operating)	\$ 2,800,000.00
FY 24 Budget	\$ 10,298,000.00

Regular Maintenance:

- 46 Facilities restored and reinspected in FY24.
- 10 Additional Ponds scheduled for FY24
- Over 136 Facilities identified as failing in FY23 and FY24

Triennial Inspections:

- 228 Facilities require inspections in FY24.
- 212 Completed to date





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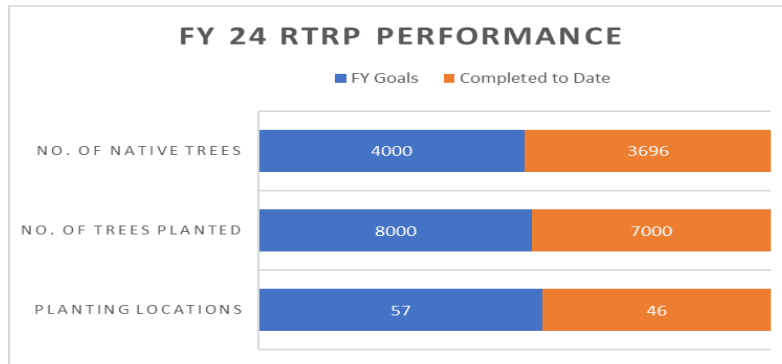
Right Tree Right Place



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The Right Tree Right Place program aims to improve air quality, reduce urban heat island effects, and mitigate climate change, enhancing quality of life, human health, and community livability.

In FY24, DPW&T - OSDM planted over 7,000 trees, of which 3,700 were native trees planted in the county's underserved areas (EJ40 zones).



DPW&T - OSDM - Right Tree Right Place & Median Beautification FY 24 Budget	
Service	Cost
Design Cost - (Landscape Design for RTRP & Median Beautification, Outreach)	\$ 748,000.00
RTRP Planting	\$ 2,335,420.71
Median Beautification	\$ 575,000.00
Storm drain Infrastructure Improvements	\$ 1,100,100.00
FY24 Expenditures	\$ 4,758,520.71
FY 24 Budget	\$ 4,775,000.00

Stormwater Management Restoration (DPWT) 5.66.0002

STORMWATER MANAGEMENT



COUNTY-WIDE

Address	Location	Project Status	Status
Council District	Countywide	Class	Under Construction
Phonetic Area	West Annapolis	Local Street	Public Works and

Description: The project determines the condition of the storm drain system, which will provide a basis for a large scale repair of storm drain infrastructure throughout the County. Ponds identified as deficient will be corrected, constructed and landscaped. Several countywide initiatives are also funded here including Right Tree Right Place, Growing Green with Pride, tree plantings for water quality and a comprehensive street tree inventory.

Justification: The County's stormwater management infrastructure is aging and in need of extensive and expensive repairs. These initiatives will assess the condition of the existing infrastructure, improve and restore functional operation and design intent and enhance community participation with stormwater management (SWM) facilities.

Highlights: FY 2024 funding supports the reconstruction of drainage channels, culvert replacements and the Office of Storm Drain Maintenance pipe replacement and removal program.



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Median Beautification Pilot



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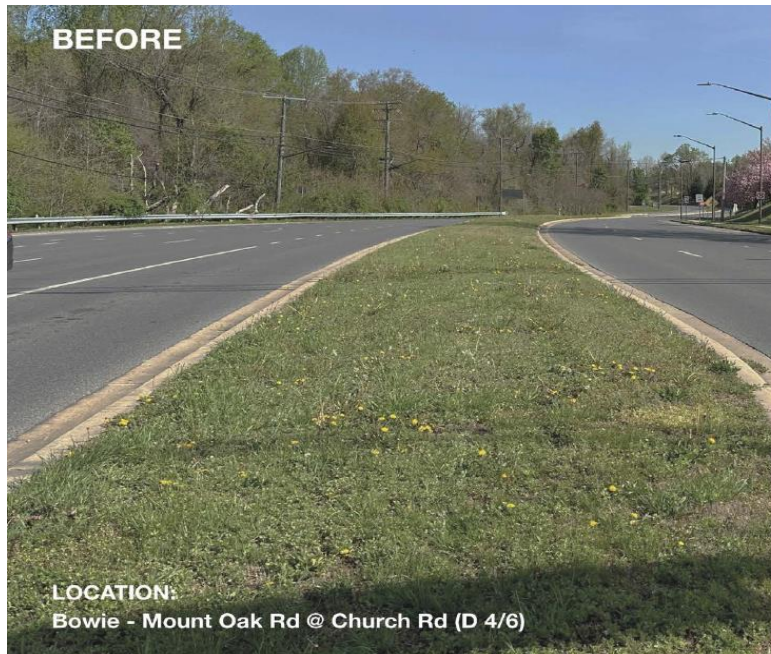
In FY 24, DPW&T—OSDM kicked off the Median Beautifications for the Fall Season on September 25, 2023.

OSDM Goal for FY 24 – Installation of Twenty (20) sites throughout the County.

16 Sites have been completed – 80%

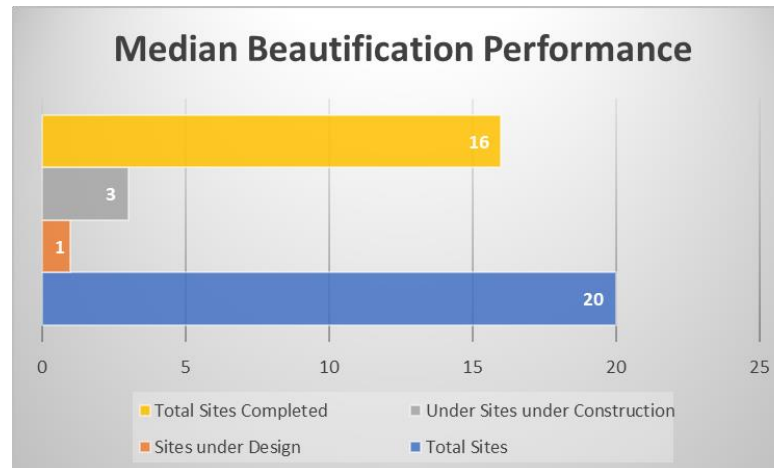


SAMPLE LOCATION:
Campus Way S @ Prince Pl, Largo



LOCATION:
Bowie - Mount Oak Rd @ Church Rd (D 4/6)

Total Sites	20
Sites under Design	1
Sites under Construction	3
Total Sites Completed	16



Sep. 23, 2023



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FY2025 Operating Budget Request



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Department of Public Works & Transportation FY2025 Operating/ Capital Outlay Budget Request			
Office	Agency Request	OMB Proposed	Supported Programs
Office of the Director	\$ 1,042,200	\$ 1,045,700	Administration oversight for DPW&T; Vision Zero, Communications, GIS, &311.
Office of Administrative Services	\$ 1,285,400	\$ 1,286,500	Support services for all DPW&T efforts- Human Resources, Fiscal and Grant Management, and Contract services
Office of Transportation	\$ 66,627,300	\$ 66,634,200	Fixed and Paratransit Transportation Services
Office of Engineering and Project Management	\$ 510,000	\$ 538,000	Administration of Capital Improvement Project (CIP) Program
Office of Highway Maintenance	\$ 20,446,400	\$ 20,515,000	Beautification, Snow and Ice Control Program, Traffic Safety, Road Maintenance, Equipment Maintenance
Office of Storm Drain Maintenance	\$ 6,051,700	\$ 6,179,200	Flood Control, Pond rehabilitation, Consent Decree
Total:	\$ 95,963,000	\$ 96,198,600	
Note: Recoveries not included			

Department of Public Works & Transportation FY2025 Compensation Budget		
Office	Agency Request	OMB Proposed
Office of the Director	\$ 1,655,700	\$ 1,883,600
Office of Administrative Services	\$ 1,627,400	\$ 1,607,800
Office of Transportation	\$ 9,158,600	\$ 8,994,700
Office of Engineering and Project Management	\$ 6,798,700	\$ 6,556,600
Office of Highway Maintenance	\$ 12,136,500	\$ 12,068,900
Office of Storm Drain Maintenance	\$ 16,665,000	\$ 16,537,500
Total:	\$ 48,041,900	\$ 47,649,100
Note: Recoveries not included		



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Active Grant Summary



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Grant Name	Application Purpose (When application was submitted, what was the purpose of the Grant)	Total Grant Award (F+S)- Billable /Project Cost Billable
2022 RAISE GRANT: New Carrollton Multi-Modal Transportation Station Project	Close funding gap on the New Carrollton Multi-Modal Transportation Station project; improve access to transit ridership, improve safety, expand multi-modal connectivity, and reduce travel time	\$20,500,000
FY2023 Safe Streets and Roads 4 All; RENAMED: Proud to Pave the Way for Multimodal Safety Project (Proud to Pave the Way Project); may also be referred to: Vision Zero \$21M 7 Projects (Metzerott Road)	Proud to Pave the Way for Multimodal Safety Project (formally Proud to Pave the Way for Multimodal Safety Improvements Along Prince George's County Injury Network); Metzerott Rd; Cool Spring/Adelphi Rd; Langley Park Bicycle Blvds; Adelphi Rd; Belcrest Rd; Sheriff Rd; Marlboro Pike	\$21,253,985
FY2023 Buses and Bus Facilities/PGC-Connect Proud to Charge	Build out PGC's zero-emission transit bus fleet, fund the purchase of twenty (20) BEBs and the associated depot charging infrastructure; upgrade the electric system at PGC's main transit facility; install a microgrid to support the deployment of the twenty BEBs and to make PGC less reliant on the local energy grid and more resilient; and install on-route chargers at five (5) transit hubs throughout the service area to expand access to BEBs.	\$25,000,000
FY2024 5307 - Washington Area Capital Grant	To purchase ENC transit buses (MTA purchasing on our behalf; responsible for local match portion) ; Ancillary listed separately as it is not part of the grant agreement	\$500,000
Ridesharing/Commuter Assistance Program 5307 CMAQ Assistance Grant	The Ridesharing Program allows commuters to find out about others who live and work near them, have similar work schedules, and are interested in carpooling and/or vanpooling to and from work.	\$269,200
FY2021 Low/No Emissions Grant	To purchase 6 Electric Fixed Route buses and 4 plug inchargers and 2 pantograph chargers	\$5,150,000
Capital ARPA - Upper Marlboro Levee project	Storm Water Resotation Project	\$6,500,000
Urban Trees Grant Program (Free Tree PGC)	22-09-01: County-wide planting installations in underserved areas	\$1,000,000
FY2023 Areas of Persistent Poverty: Glenarden/ Landover Multi-Modal and Transit Access Improvement Project	Remove barriers to opportunities for families, communities, and individuals. As well as increasing access to transit in underserved communities, adoption of equity-focused policies, reducing greenhouse gas emissions, and addressing the effects of climate change.	\$600,000
FY2023 Transportation Alternatives Program(TAP)/Metzerott Rd. Safety Improvement Project (MD 650 to Adelphi Rd)	The project is a safety improvement project, aimed toward retrofitting an existing roadway to enhance the quality of pedestrian and bicycle travel	\$4,603,167
FY2023 Pedestrian Safety Improvements Works on Rittenhouse Street, Riverdale, MD (Riverdale Park Purple Line)	Site improvement and capital equipping of Riverdale Park Purple Line. funded under State Funding Maryland Consolidated Capital Bond Loan - Senate Bill 291	\$500,000
US HUD - FY2023 Community Project Funding (FY23 Earmark)	Transit Facility Feasibility Study	\$1,500,000
G3: Green Streets, Green Jobs, Green Towns Grant Program (renamed: (renamed: Glendale Heights Subd., SWM CIP Project)	Green streets, community greening, urban tree canopy projects (up to \$150,000)(renamed: Glendale Heights Subd., SWM CIP Project)	\$150,000
FY23 OPEN Energy Program	Upfit six transit buses with the Optimus Technologies' Vector System to run on 100% biodiesel or B100. In addition to modifying six transit buses, the County will connect and operate a dedicated B100 fuel tank provided by Chevron Renewable Energy Group (REG), a project partner.	\$170,000