



Angela D. Alsobrooks  
County Executive



Michael D. Johnson, P.E.  
Director

Transportation,  
Infrastructure, Energy and  
Environment (TIEE)  
April 27,  
2023  
Committee



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# Core Services and

# Expertise

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



## Director's Office

- Communications
- Vision Zero



## Administrative Services



## Engineering and Project Management



## Highway Maintenance



## Multimodal Transportation/ Transit Services



## Storm Drain Maintenance

# FY2024 Operating Budget

## Request

Department of Public Works & Transportation FY2024 Operating Budget			
Office	Agency Request	OMB Proposed	Supported Programs
Office of the Director	\$ 393,300	\$ 393,300	Administration oversight for DPW&T; Vision Zero
Office of Administrative Services	\$ 1,063,200	\$ 984,200	Support services for all DPW&T efforts- Human Resources, Fiscal and Grant Management and Contract services
Office of Transportation	\$ 63,134,700	\$ 61,837,400	Fixed and Paratransit Transportation Services
Office of Engineering and Project Management	\$ 346,700	\$ 346,700	Administration of the Capital Improvement Project (CIP) Program
Office of Highway Maintenance	\$ 17,954,400	\$ 20,925,200	Beautification, Snow and Ice Control Program, Traffic Safety, Road Maintenance, Equipment Maintenance
Office of Storm Drain Maintenance	\$ 7,843,600	\$ 7,426,800	Flood Control, Pond rehabilitation; Consent Decree
<b>Total:</b>	<b>\$ 90,735,900</b>	<b>\$ 91,913,600</b>	

Note: Office of Director includes \$77,100 in Vision Zero Program funding; Recoveries not included.

Department of Public Works & Transportation FY2024 Compensation Budget		
Office	Agency Request	OMB Proposed
Office of the Director	\$ 1,575,000	\$ 1,535,100
Office of Administrative Services	\$ 1,465,200	\$ 1,653,700
Office of Transportation	\$ 7,839,300	\$ 8,425,000
Office of Engineering and Project Management	\$ 6,111,200	\$ 6,603,200
Office of Highway Maintenance	\$ 11,079,800	\$ 12,160,300
Office of Storm Drain Maintenance	\$ 14,873,100	\$ 15,289,900
<b>Total:</b>	<b>\$ 42,943,600</b>	<b>\$ 45,667,200</b>

Note: Recoveries not included.

# Active Grant Summary

Grant Name	Application Purpose (When application was submitted, what was the purpose of the Grant)	Total Grant Award (F+S) - Billable/Project Cost Billable
Bus 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; Instal 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
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 as: Vision Zero \$21M 7 Projects (Metzerott Road)	Proud to Pave the Way for Multimodal Safety Improvements along Prince George's County Injury Network	\$21,253,985
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
Blue Line Corridor - Transportation Infrastructure	Improvements around Largo, Garrett Morgan Blvd., Addison Rd., Seat Pleasant, and Capital Heights Metro Station	\$8,700,000
Low/No Emissions Grant	To purchase 6 Electric Fixed Route buses and 4 plug-in chargers and 2 pantograph chargers	\$5,150,000
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
ARPA - Longfield	Storm Water restoration projects	\$2,770,000
Volkswagen Grant	Funds needed to replace 8 Electric Buses	\$2,438,682
ARPA - Clinton Street	Storm Water restoration projects	\$1,870,000
ARPA - Swan Creek Rd	Storm Water restoration projects	\$1,860,000
FY23 Urban Trees Grant Program (Free Tree PGC)	County-wide planting instalations in underserved areas	\$1,000,000
Volkswagen Grant	Funds needed to replace 6 Propane Trucks	\$640,000
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
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
5307 - Washington Area Capital Grant	To purchase 3 ENC transit buses (MTA purchasing on our behalf; responsible for local match portion); Ancillary listed seperately as it is not part of the grant agreement	\$400,000
FY 2023 Ridesharing/Commuter Assistance Program 5307 CMAQ Assistance Grant	Promote use of alternative to the single occupant vehicle	\$269,105
Lives Shatter on Impact Wall - Street Smart Displays	Lives Shatter on Impact Wall - Street Smart Displays	\$34,500

# Major Agency Priorities

- Enhanced Focus on Safety
- Vision Zero Program
- Beautification
  - ❖ Litter removal
  - ❖ Median beautification pilot
- MDE Consent Decree
- Flood Control Channel Maintenance
- Right Tree, Right Place Program
- PGC Transit Transformation Initiative
  - ❖ County's Zero Emission Bus (ZEB) Transition
  - ❖ Battery Electric Buses
- 311 Citizen Requests





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# Enhanced Focus on



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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 / More Opportunities

- Safe Streets and Roads for All - Grant awarded
- Bridge Investment
- Economic Development in the Region
- Vision Zero Prince George's - Safe System Approach



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# Vision Zero: Safe Streets for Everyone

Vision Zero is a strategy to eliminate all traffic fatalities and severe injuries, while increasing safe, healthy, equitable mobility for all road users.

The County Executive and Council launched Vision Zero Prince George's in 2019 - commitment to make our streets safe for everyone by 2040.

The foundation of Vision Zero is the U.S. DOT/FHWA [Safe System Approach](#) - a proactive response to traffic safety to ensure human mistakes never lead to serious injury or death.



The key to achieving Vision Zero is a combination of the six essential elements for a safe transportation system.



DPW&T received the U.S. DOT's [Safe Streets and Roads for All](#) grant program.

# DPW&T's Approach to Beautification

In FY 2023:

Over 262 tons from 1,285 curbed miles (approximately 642 lane miles) were swept by the street sweepers and 20 tons from the mowing crews.

Over the same period approximately 3,000 acres of grass areas were mowed.

DPW&T collected a total of 925 tons of roadside litter and debris

In FY 2024, additional efforts will include:

- 3 new Street Sweepers with Operators

FY2024 Beautification Budget			
Service Category	Agency Request	OMB Recommend	Examples of work
Litter Removal	\$ 2,000,000	\$ 4,000,000	Funding includes decision package for additional \$2M in litter removal
Street Sweeping	\$ 400,000	\$ 925,000	Street sweeping contractor; purchase of 3 new street sweeping vehicles
Right-of-Way Median Maintenance	\$ 1,170,000	\$ 1,170,000	Median maintenance for County Right-of-Way medians
Illegal Dumping/Clean Lots	\$ 750,000	\$ 750,000	Illegal dumping program; Clean Lots program
Various Beautification	\$ -	\$ 519,000	Various beautification efforts related to the area within a 6 mile radius of MGM Grand Casino.
<b>Total:</b>	<b>\$ 4,320,000</b>	<b>\$ 7,364,000</b>	



**925**  
Tons of Litter +  
Debris Collected



**3,027**  
Acres Landscaped  
Mowing Completed



**1,772**  
Lane Miles Rural  
Roadside  
Mowing Completed



**1,285**  
Curbed Miles Swept





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# PGC Transit Transformation Initiative



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The PGC Transit Transformation (PGCTT) Initiative encompasses:

- The Transit Vision Plan is a five-year plan for aligning and advancing citizen and stakeholder transit needs, initiatives, goals, and objectives
- WMATA is studying the County's system (TheBus) as part of the region wide Better Bus Network Redesign efforts
  - ❖ DPW&T partners with WMATA and meets with their planning consultants to develop recommendations



DPW&T conducted a survey from October 7 to December 31, 2022. Received ~500 responses about the County's transit services, including:

- 30% of respondents do not have access to a vehicle
- 35% use transit services daily
- Over 80% use transit to commute for work
- Safety, reliability and



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# 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 is coordinating efforts to launch the *Proud to Charge* initiative funded by the \$25 million USDOT FY22 Low and No Emission grant award from the Federal Transit Administration
- *Proud to Charge* includes a total of \$10 million from federal and state purchases including:
  - ❖ Incorporation of in route charging infrastructure
  - ❖ Installation of a microgrid system
- ZEB community meetings were conducted the week of April 17, 2023.
  - ❖ Workforce development





# Addressing PGC311



## Requests

### Priority: Address Backlog of PGC311 Service Requests

- To expeditiously close out a significant number of PGC 311 service requests and develop an efficient process to assign, investigate, manage, and complete service requests.
- This new process will alleviate the backlog and significantly reduce closure

- 
- Accessibility Ramp Requests
  - Bus and Taxi Program Information and Inquiries
  - Damaged Mailbox Business or Residential
  - Graffiti Removal
  - Grass and Weeds Removal
  - Litter and Illegal Dumping
  - Pavement Markings New or Refresh
  - Pond Issues
  - Pothole Repair
  - Repair Traffic Calming, Signals, Signs, Streetlights
  - Request New Bus Stop and Bus Stop Amenities
  - Request New Traffic Sign
  - Request New Traffic Signals and Street Light
  - Roadway Emergency
  - Streets and Sidewalk Issues
  - Tree Debris and Stump Removal
  - Trees New, Removal, Replacement or Trimming
  - Bus Stop and Bus Shelter Issues
-



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# Pavement Management



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DPW&T uses a Pavement Assessment Management System (PAMS) methodology to evaluate asphalt condition. Staff then develops a list of roads to receive a resurfacing treatment. The goal is to apply the right surface treatment at the right time based on the results of the overall pavement evaluation. Prince George's County makes an effort to utilize preservation treatments to extend the service life of streets throughout the county.

Examples of pavement preservation treatments include:

- Crack Seal
- Slurry seal
- Asphalt Cut and Patch
- Pothole Repairs



Good Condition PCI = >70



Fair condition PCI = 55-70



Needs Significant Work  
PCI = <55



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- Roads are surveyed every 5-10 years
- Survey vehicle drives every County maintained road
- Collects data and photographs which are used to update the PAMS database
- Survey vehicle takes scans of the road every 50 feet and can detect cracks as small as one mm in width
- The latest scan of County roads was just completed in March of 2023



Pavement Survey Vehicle



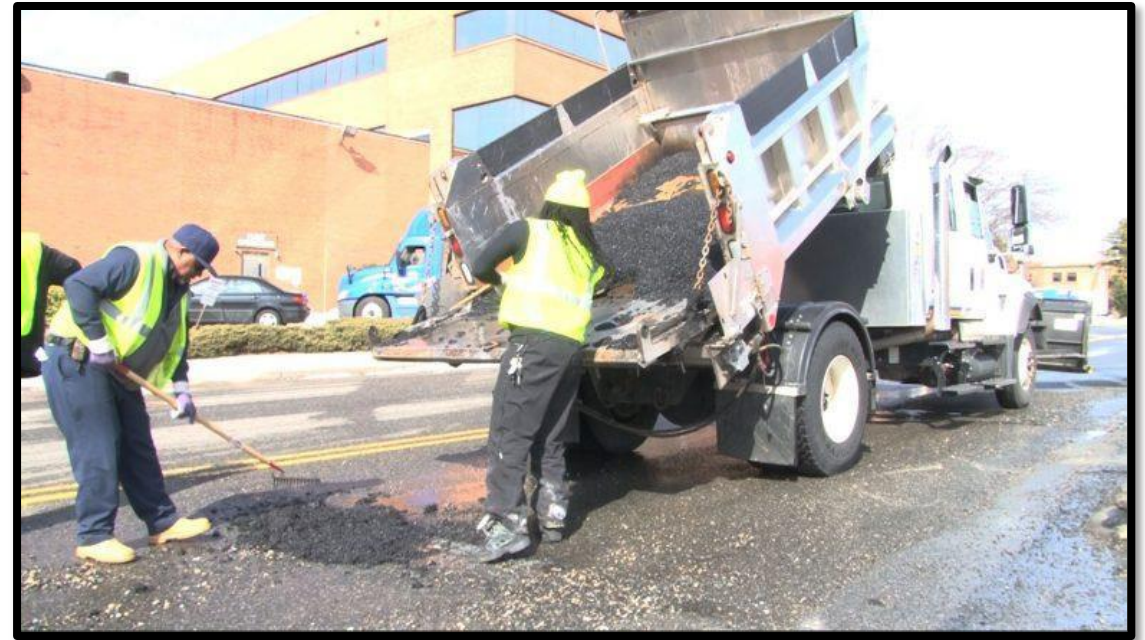
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- DPW&T fills potholes reported into PGC311 Customer Service Request system within 72 hours, using in-house crews.
- The County schedules pavement maintenance five years in advance based on asphalt conditions and funding availability.
- Areas identified as those most in need are



[Pavement Preservation Fact Sheet](#)



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# Capital Improvement Projects



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Storm  
Drain  
Improvement  
and  
Culvert  
Repair



Bridge  
Repair,  
Reconstruction  
And  
Construction



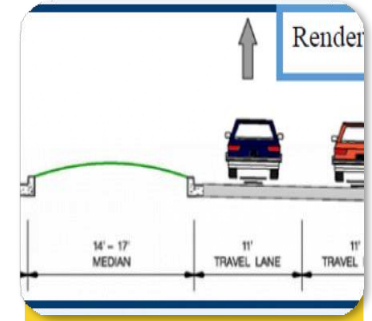
Intersection,  
Traffic  
Signal and  
Street  
Light  
Improvements



Roadway  
Improvements  
and  
Maintenance  
of Traffic



Sidewalk  
and  
Pedestrian  
Access  
and  
Bikeshare



Project  
Planning  
and  
Developer  
Projects