

Prince William County
Department of Transportation
Community Related Programs Focusing on Traffic Safety

Richard Weinmann, Engineering Manager, Traffic Safety Section
Salah Salem, Principal Engineer, Traffic Safety

Ricardo Canizales, Director of Transportation
Paolo Belita, Assistant Director of Transportation

PWC DOT Background

The mission of the Department of Transportation is to consistently improve the transportation network and meet the needs of our growing community.

Our goals include **easing the flow of traffic and improving travel within Prince William County; providing transportation options for residents and visitors and creating and maintaining safe traveling conditions.**

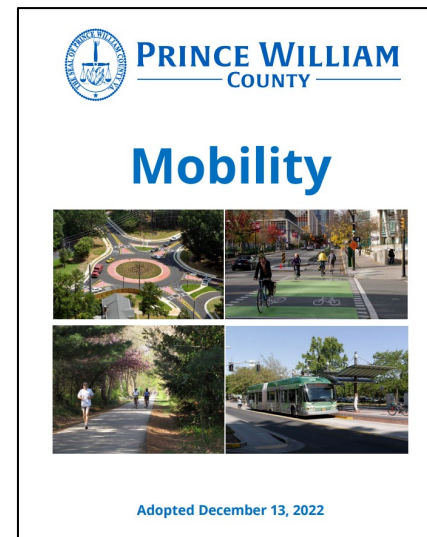
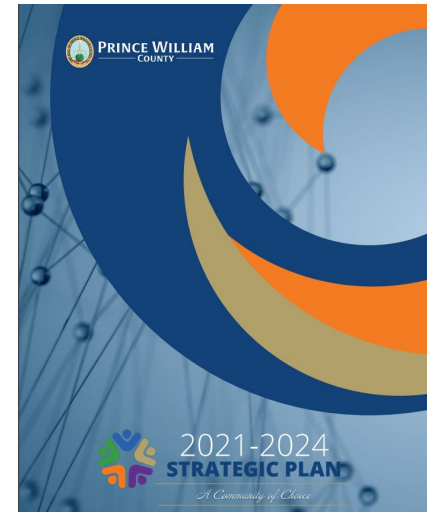
In order to meet these goals, we work with a wide variety of local, regional, state and federal partners.

In addition, we manage Capital Improvement Projects and work with the Board of County Supervisors to find effective solutions that resolve transportation issues.

As a result of these efforts, Prince William County has been able to produce an over

\$1 Billion Capital Improvement Program of Projects

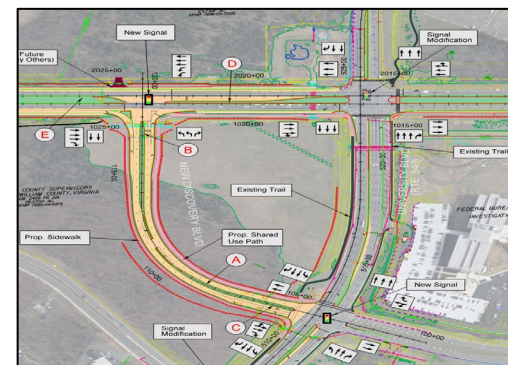
- **Largest construction program by a locality in the State of Virginia**
- **Larger than several of VDOT's Construction Districts**



PWC DOT Background

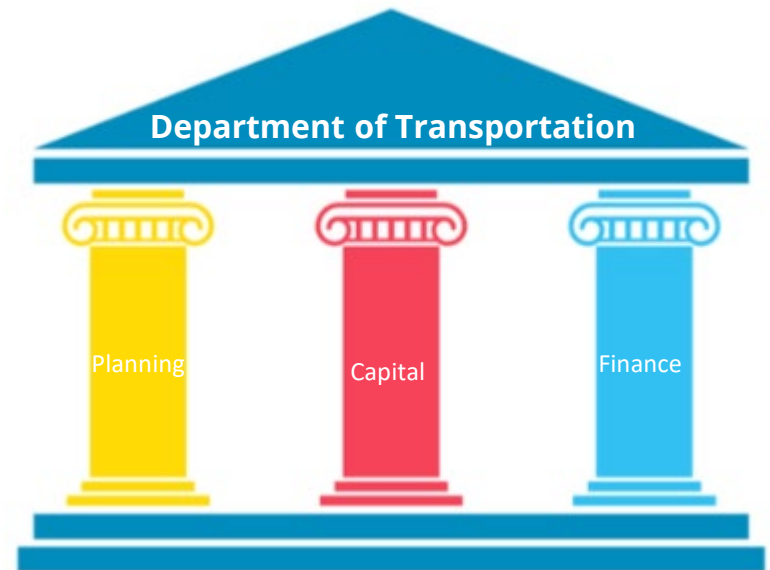
PWC DOT implements various multi-modal projects and considers all transportation modes to include the following examples:

- Roadway
- Intersection
- Interchange
- Sidewalk/Trails
- Commuter Parking/Garage
- Transit related improvements
- Traffic safety related improvements
- Active Transportation Projects



PWC Department of Transportation – Core Functions (Ricardo Canizales, Director of Transportation)

- **Capital Projects Division** (Khattab Shammout, PE, DBIA)
 - Engineering/Design Section
 - Right-of-Way Section
 - Construction Section
 - Alternative Delivery Section
- **Business Services Division** (Brittany Martin)
 - Fiscal Management Section
 - Policy and Programming Section
 - Administration Section
- **Planning, Traffic, and Inspections Division** (Paolo Belita, AICP, PTP)
 - Transportation Planning Section
 - **Traffic and Safety Engineering Section**
 - Inspection Section



Traffic Safety/Engineering Section

(Richard Weinmann, Manager)

- Address **traffic safety** engineering issues throughout the County
 - Respond to BOCS and community/public requests
 - Liaises with VDOT and PWPD
 - Support County agencies
 - Conduct speed studies and traffic counts
 - Road safety audits, accident history and field reviews
 - Implement corridor and safety improvement studies and projects
- Residential Traffic Management Program
- Streetlight Program



Traffic Calming Program

- The program supports implementation of traffic calming devices on local residential roads
- Techniques for traffic calming include:
 - Speed Humps and Raised Crosswalks
 - Raised Median Pedestrian Refuge Islands
 - Chokers and Chicanes
 - Traffic Circles and Roundabouts
 - Pavement Marking and Lane Narrowing
 - Pole Mounted Speed Displays
 - Additional \$200 Fines for Speeding
- Physical in-road measures are only applicable for roads posted 25 mph
- PWC must conduct a speed study for road to qualify
 - Must record average daily speed of 30 mph or greater
 - Must record daily traffic volume of 600 – 4000 vehicles
- Road must also have direct access to homes to qualify
- Traffic Calming plans are developed in cooperation with the community
 - Impacted homes will be petitioned for signatures in support of the plan
- Private roads in communities may implement traffic calming without a study and at the communities own process and expense
 - The community must submit a site plan revision showing the proposed measures to Development Services for review and recordation prior to implementation
 - Site plan can be obtained via PWC Records Center





Residential Cut-Through Traffic

- Communities can request restrictions on residential roads for traffic cutting through
- PWCDOT is responsible for initiating the measures and collecting the supporting data
- The cut through traffic threshold must be met of 40% or more of the total one-hour volume in one direction
 - Minimum of 150 cut-through trips in one hour in one direction
- Similar to the through truck restriction, PWCDOT will coordinate with VDOT who will review and approve/deny and implement measures



Parking Restrictions

- Communities can request parking restrictions on public roads
- PWCDOT will coordinate with VDOT on review of the request and implementation
 - VDOT generally reviews and implements restriction where there are safety and operational issues affecting traffic present
 - PWCDOT may be able to pursue parking restrictions if VDOT declines
- Communities can request parking restrictions on public roads
- PWCDOT will coordinate with VDOT on review of the request and implementation
- Private roads in communities may implement traffic calming without a study and at the communities own process and expense
 - The community must submit a site plan revision showing the proposed parking restriction to Development Services for review and recordation prior to implementation
 - Site plan can be obtained via PWC Records Center
- Fire Lanes/Painted Curb do not fall under this program
 - Requests for fire lanes must be made through the Fire Marshall's Office

Parking Restrictions (Commercial and Recreational Vehicles)

- Commercial vehicles are prohibited from parking on residential roads per County Ordinance section 13-327
- Commercial vehicles are defined as but not limited to:
 - Dump truck
 - Concrete mixer
 - Tractor trailer
 - Towing vehicle
 - Any vehicle with a gross weight of 12,000 lbs or more
 - Any trailer
- Company trucks (i.e. vans with company logos) are not considered commercial vehicles and can park on state-maintained roadways
- Recreational vehicles can be prohibited from parking on residential roads per County Ordinance section 13-320.1.
- Recreational vehicles are defined as but not limited to:
 - Watercraft and Boat Trailers
 - Motor Homes
 - Camping Trailers
- This can be requested through the respective District Supervisor's office
- The process will require community support in the form of a petition before initiating a public hearing



Through Truck Restrictions

- Under this program communities can request through truck restrictions on secondary roads designated as local or collector roads residential in nature
- Restrictions can only be provided if a reasonable alternative route is available
- The restriction is not applicable to trucks passing through a specific area to make one trip along the roadway (i.e. trash or delivery trucks)
- The request is made to PWCDOT in coordination with the respective District Supervisor's Office and VDOT
 - A public hearing will be conducted for community input
 - Once conducted the request will be made to VDOT who will coordinate with the Commonwealth Transportation Board on approval/denial and implementation



Watch For Children Signs

- Communities can request Watch For Children signs to be installed
- Typically one sign is provided per community and is placed along the road that serves as the community entrance/gateway
- Signs are installed and maintained by PWCDOT forces and paid for by the County
- Signs are not recommended to be installed on every street for various reasons:
 - Community family demographics constantly change and sign may no longer be appropriate
 - Increasing the number of signs would lead to redundancy and disregard of the signs
 - Budgetary constraints



Streetlighting Program

- The County Streetlighting Program oversees all standalone lighting installations that are not maintained by VDOT on public roads
- The PWCDOT Streetlighting Coordinator works with utility companies, project teams, and communities to find solutions for lighting needs
- Communities can request new streetlights to be installed through the Streetlighting Coordinator
- Requests can be made to the Streetlighting Coordinator or through respective District Supervisor's Office
- The Streetlighting coordinator will review the request and determine where lighting can be installed
- Constraints for installation include the availability of power connection and budget
- Any streetlight outages can be reported to the Streetlighting Coordinator for repair



Sidewalks and Small Projects

- Communities can request sidewalks, crosswalks, and other transportation and mobility improvements
- Requests can be made to PWCDOT or through respective District Supervisor's Office
- Once request is received, PWCDOT will review for feasibility and availability of funding
- Requests can be accommodated as funding is available, and can be funded from:
 - Supervisor Road Improvement Funds
 - Federal and State grants
- If project is feasible and can be accommodated with available funding,



Automated Traffic Enforcement

- In April 2023, the Board of County Supervisors voted to initiate the Automated Traffic Enforcement Pilot Program
- Allowed by State Code
- School zones were selected based on information received by the Prince William County Department of Transportation, Prince William County Police Department, and consultation with Prince William County Public Schools
- **Pilot School Zone locations are:**
 - Woodbridge High School/Old Bridge Elementary School (Operational)
 - Battlefield High School (Operational)
 - Beville Middle School (In progress)
 - Rippon Middle School (In progress)
 - Fitzgerald Elementary School (In progress)
 - Patriot High School/Clay Wood Elementary School (In progress)
 - Pattie Elementary School/Washington Reid Elementary School (In progress)
- The program is a pilot and will be used to determine the programs effectiveness and potential expansion



- **Proposed Red Light Zones**

- Linton Hall Rd/Nokesville Rd
- Richmond Highway/Gordon Boulevard
- Minnieville Rd/Spriggs Rd
- Prince William Parkway/Sudley Manor
- Prince William Parkway/Hoadly Rd
- Old Bridge Rd/Harbor Drive
- Old Centreville Rd/ Rugby Rd
- Lee Highway/Heathcote Boulevard

Snow and VDOT Maintenance

- VDOT owns, operates, and maintains all public roads in the County
- Snow removal on public roads is handled by VDOT
- Priority of snow removal is highest traffic volume roads first, including interstates and primary roadways, followed by secondary roads and residential roads
- VDOT posts snow plow tracking on their website
- Other roadway maintenance, including road paving, pothole/damage repair, drainage, soundwalls, and other transportation related items are handled by VDOT
- Requests for maintenance and paving can be made directly to VDOT through their MyVDOT website reporting tool
- Requests can also be made to the County and routed to VDOT for response
- VDOT posts roadway repaving projects scheduled on their website
- <https://my.vdot.virginia.gov/>

The screenshot shows the myVDOT website interface. At the top, there is a navigation bar with the VDOT logo (Virginia Department of Transportation) and the myVDOT logo. Below the navigation bar, there is a breadcrumb trail: < Go to www.virginiadot.org. The main content area has a header with four tabs: Need (selected), Location, Details, and Contact. Below the tabs, there is a section titled 'How can we help you?' with a yellow warning box that reads: 'If your request is related to a road hazard that needs immediate attention, please call 1-800-367-7623 (FOR-ROAD). For emergencies, please dial 911.' Below the warning box, there is a list of radio button options: 'I need a road repaired', 'I need something removed from a road', 'I need signs, signals, or guardrail repaired', 'I need new signs or traffic devices installed', 'I need to report an issue on a sidewalk, or pedestrian or bicycle path', 'I have a question or need information', 'I want to submit a claim (includes mailbox damage)', 'I want to submit a compliment', and 'Other'. Below the list, there is a red box that says 'Please select the category of request.' and a blue box with an information icon that says: 'Note: VDOT does not maintain roads in cities, towns, or in Henrico and Arlington counties, except for interstates and major primary roads. VDOT does not maintain all sidewalks, or pedestrian or bike paths. Some may be maintained by localities. Please submit a separate report for each request.' At the bottom, there is a blue button with the text 'Continue >'.

Who To Contact

For Residential Traffic Calming and Management

- Ebadurahman Ahmadi, Traffic Engineer, Traffic Safety
 - EAhmadi@pwcgov.org

For Sidewalks and Small Projects

- Salah Salem, Principal Engineer, Traffic Safety
 - SSalem@pwcgov.org

For Streetlighting Requests

- Richard Hagstrom, Senior Engineer, Streetlighting Program Coordinator
 - RHagstrom@pwcgov.org

For All Other Requests and Questions

- Richard Weinmann, Engineering Manager, Traffic Safety Section Branch Manager
 - RWeinmann@pwcgov.org
- Ricardo Canizales, Director of Transportation
 - RCanizales@pwcgov.org
- Paolo Belita, Assistant Director of Transportation (Planning, Traffic, Engineering Division)
 - PBelita@pwcgov.org

Additional DOT Resources

Prince William County
Department of Transportation
(703) 792-6825
Transportation@pwcgov.org

Visit the PWC DOT Website for:

- Interactive Map of Current Road Projects
- Virtual Presentations
- Site Development Issues for Residents and Developers
- Traffic Safety Projects
- Commuter Information

<https://www.pwcgov.org/government/dept/dot/Pages/default.aspx>

