



PRINCE WILLIAM
COUNTY

Prince William Parkway (Rte. 294) and Old Bridge Road Intersection Improvements

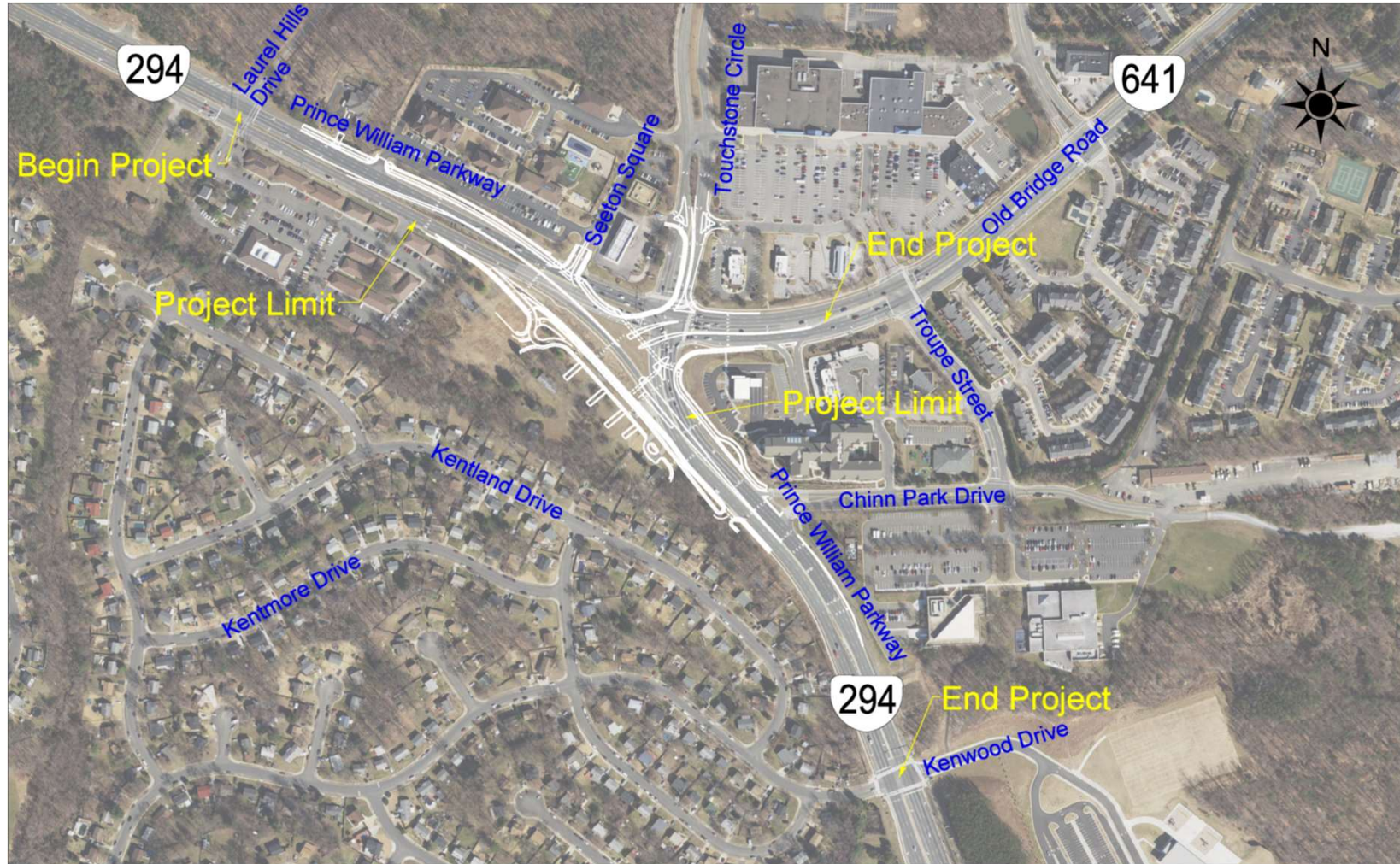
VDOT Project No. 0294-076-327

UPC No. 119073

May 25, 2023

Presentation Starts at 7:00 PM

Project Location



Prince William Parkway and Old Bridge Road Intersection Improvements

Project Overview



- The Project is being administered by Prince William County Department of Transportation.
- The Project is being delivered using the Design-Bid-Build delivery method.
- The Project is funded federally through the Smart Scale Program.
- Current budget is approximately \$33.95 million.
- Project limits along Prince William Parkway:
 - From: The Intersection of Prince William Parkway at Laurel Hill Drive/Ridgewood Center Drive
 - To: The Intersection of Prince William Parkway at Kenwood Drive.

Project Overview



- The project consists of improvements at the Intersection of Prince William Parkway and Old Bridge Road.
- Project will realign Prince William Parkway (Rte. 294) as a 6-lane roadway and realign Old Bridge Road (Rte. 641) as a 4-lane roadway to meet as a T-Intersection into Old Bridge Road (Rte. 641).
- Project includes bicycle and pedestrian facilities (10' Shared Use Path and 5' sidewalk along Prince William Parkway).
- Environmental documentation in accordance with provisions of the National Environmental Policy Act (NEPA) and 23 CFR 771 is on-going and coordination continues with Virginia Department of Transportation (VDOT) and Federal Highway Administration (FHWA).

Project Schedule



- Design Public Hearing September 2023
- Begin Right of Way Acquisitions February 2024
- Begin Utility Relocations October 2024
- Advertise for Construction October 2025
- Project Complete June 2027

Intersection Improvements

Realigned Prince William Parkway and Realigned Old Bridge Road into a T-Intersection with Prince William Parkway

Existing Intersection



Proposed Intersection



Overall Project Improvements



Prince William Parkway and Old Bridge Road Intersection Improvements

Additional Design Features & Considerations



- New traffic signal will be provided at new Prince William Parkway and Old Bridge Road Intersection.
- Evaluation underway to removal Flashing Beacon Signal at Prince William Parkway at Black Forest Ln./Reid's Prospect Dr.
- Project includes bicycle and pedestrian facilities (10' Shared Use Path and 5' sidewalk along Prince William Parkway)
- Stormwater Management facility along Prince William Parkway adjacent Jenkins Elem. School entrance to be expanded.
- Utility relocations are planned throughout the project limits.
- Improvements will improve overall traffic operations.

Additional Design Features & Considerations

Traffic Comparison

Future Year (2045) Level of Service (LOS) & Delay												
Intersection	Control Type	Approach	Lane Group	No-Build								
				AM Peak			PM Peak					
				Delay	LOS	Queue	Delay	LOS	Queue			
4	Prince William Pkwy & Old Bridge Rd	Signalized	EB	Left	772.9	F	160.1	F	1462.6	F	321.8	F
				Through	96.6	F		412.8	F			
				Right	149.9	F		125.5	F			
			WB	Left	165.7	F	69.1	E	2691.6	F	835.2	F
				Through-Right	27.5	C			90.6	F		
			NB	Left	173.2	F	116.2	F	451.8	F	309.0	F
				Through	58.7	E			222.1	F		
				Right	41.1	D			29.4	C		
			SB	Left	67.7	E	76.1	E	288.0	F	101.7	F
				Through	94.9	F			96.5	F		
				Right	58.2	E			56.2	E		
			Overall				123.9	F	438.6	F		

Future Year (2045) Level of Service (LOS) & Delay												
Intersection	Control Type	Approach	Lane Group	Build								
				AM Peak			PM Peak					
				Delay	LOS	Queue	Delay	LOS	Queue			
4	Prince William Pkwy & Old Bridge Rd	Signalized	EB	Left			2.4	A			13.2	B
				Through								
				Right								
			WB	Left	6.0	A	2.4	A	27.0	C	13.2	B
				Through-Right	0.5	A			6.6	A		
			NB	Left			19.3	B	42.7	D	34.3	C
				Through	24.2	C			1.3	A		
			SB	Left	53.0	D	28.8	C	52.2	D	27.0	D
				Through	13.0	B			4.9	A		
				Right								
			Overall				19.1	B	24.8	C		

A traffic report has been prepared. In summary, as shown in the tables above, the 2045 Build Option AM Peak Delay decreased by **85%** and PM Peak Delay decreased by **94%** when compared to the 2045 No Build Option.

Right of Way Acquisition



- Approximately 15 impacted properties requiring right of way and temporary and permanent easements will be required for construction.
- No anticipated residential or commercial displacements or relocations.
- Affected property owners will be contacted during the land acquisition process.
- For additional information related to right of way acquisition, please contact:

Mr. Tim Witter

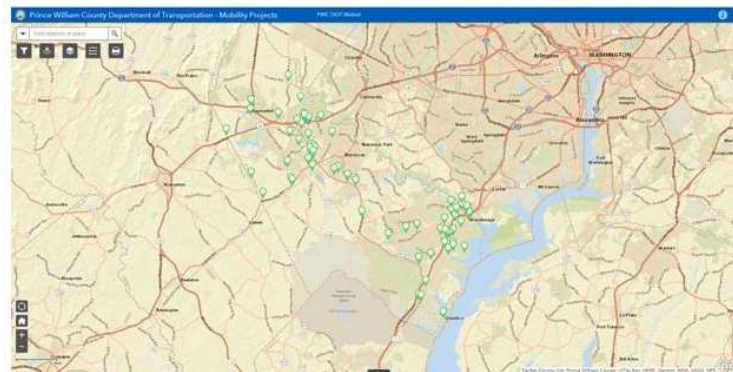
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General Transportation Information



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Current Road Projects



- <https://www.pwcva.gov/departments/transportation/current-road-projects>

Comments



- Staff from Prince William County Department of Transportation, VDOT and its contractor and consultants are available to discuss the project and answer questions.
- Written comments can be submitted to Prince William County's Project Manager, **Mr. Rami Bazlamit, P.E.**
 - **By Email:** RBazlamit@pwcgov.org
Ref: Prince William Parkway and Old Bridge Road Intersection
 - **Or By Mail:** **Ms. Rami Bazlamit, P.E.**
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Prince William, VA 22192
Phone: (703) 792-8164

**** The Public Comment Period Ends June 4, 2023 ****

Questions & Answers

