
Route 28 Bypass Project

Preliminary Design Project Updates

Transportation Tuesday
December 13, 2022



Welcome *Bienvenidos*



All lines are muted. *Todas las líneas están silenciadas.*

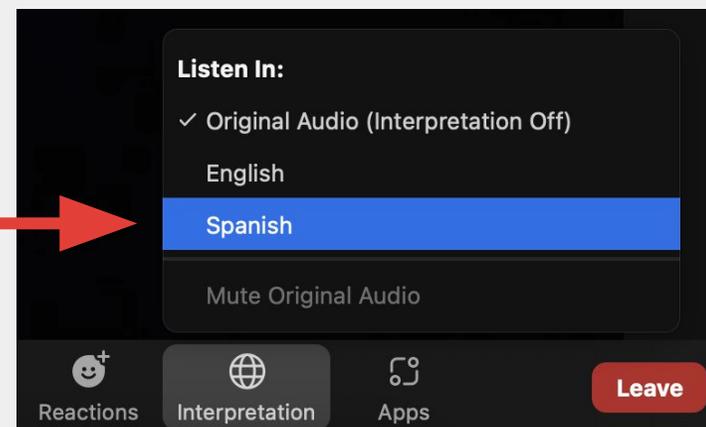


You are welcome to submit questions in English or Spanish using the Zoom chat function.

Invitamos a enviar preguntas en inglés o español utilizando la función de chat.

If time permits, we will address relevant questions during the session.
Si el tiempo lo permite, responderemos sus preguntas durante la sesión.

Para audio en español:
For audio in Spanish:





Agenda

1. Welcome
2. Project Overview
3. Today's Focus
4. What We Know Today
5. What Will Happen Next?
6. How to Stay Involved
7. Close



Purpose

To provide a forum to learn about specific topics related to the Route 28 Bypass project



Outcomes

- Understanding of the Route 28 Bypass latest project status
- Understanding the progress and next steps of the Route 28 Bypass Project
- Opportunity to deep dive into other frequently asked questions about the project

Panelists

Paolo Belita

Planning Manager

PWC Department of Transportation

Khattab Shammout

**Assistant Director for Design
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PWC Department of Transportation

Rami Bazlamit

Design Project Engineer

PWC Department of Transportation

Robert Morris

Vice President and Project Manager

WSP USA, Inc.

Justin Lennon

**Vice President/Hydraulics & Flood
Control Lead**

WSP USA, Inc.

Project Overview

Route 28 Bypass

What is the Route 28 Bypass Project?



The Route 28 Corridor in Prince William County (PWC) has become **increasingly congested** as the number of **motorists traveling the current route continues to grow.**



In September 2020, the PWC Board of County Supervisors voted and selected the Route 28 bypass to have the **greatest long-term positive impact on traffic congestion.**



Approximately 3.5 miles, **the four-lane road will extend Godwin Drive at Sudley Road and tie-in to existing VA-28** in Fairfax County south of Compton Road and north of Bull Run.



The specifics of the corridor will be determined during the **Design and Engineering Phase (Phase 2).**

Project Guiding Principles



1

We seek to honor and respect all people impacted by the Route 28 Bypass.

2

Our communities are afforded equitable access to all available resources and information.

3

We commit to partnering with diverse stakeholders to foster a path forward that considers multiple perspectives.

4

We respect the environment, strive to improve the land, and limit negative impacts.



5

We prioritize safety and fiscal responsibility.

Project Overview: Four Phases

1

2016 – 2020

Plan and Study

- Develop Concepts
- Conduct feasibility, environmental, & other studies
- Evaluate the options
- Route selected and approved by Board of County Supervisors in Sep. 2020

2

2021 – 2024

Design and Engineering

- ✓ Released RFP
- ✓ Selected engineering design firm
 - Complete comprehensive design process
 - Determine the exact location and final design of Route 28 Bypass
 - Submit Joint Permit Application (US Army Corps of Engineers, Virginia Marine Resources Commission, and the Virginia Department of Environmental Quality Permits)
 - PWC Board of County Supervisors endorses the final design
 - Finalize property acquisition plats and appraisals

3

2024 – 2026

Right-of-Way and Utilities

- Submit property acquisition offers and negotiate with impacted property owners and tenants
- Coordinate utility relocation activities

4

2026 - 2028

Construction

- Groundbreaking
- Construction
- Ribbon cutting

Dates are subject to change based on updates to timeline

Today's Focus

Route 28 Bypass

Preliminary Design Project Updates

Key Questions

- 1 What are the **latest updates** on the Route 28 Bypass design efforts?
- 2 What is a **floodplain**? What is **FEMA's role** around floodplains?
- 3 Why are we doing **existing floodplain studies**?
- 4 How far has the **design progressed** in 2022?
- 5 What's **coming up in 2023** for the Route 28 Bypass efforts?
- 6 When are the **public information meeting(s)**? What can I expect from them?
- 7 How can I find the **latest information** about the project?
- 8 What **opportunities are available** to provide input?

What We Know Today

Route 28 Bypass

What are the **latest updates** on the Route 28 Bypass design efforts?

- Completed **Base Survey** and **Utility Locating**
- Completed **Preliminary Traffic Analysis at Intersections**
- Began **Detailed Traffic Modeling Work**
- Prepared **Hydraulics and Hydrology Analysis** for Existing Conditions
- Began **Initial Roadway Design Activities**
- Started **Geotechnical Field Work** within County property and VDOT right-of-way
- Coordinated with **Local Governments and Utility Owners** on nearby projects
- Submitted **Environmental Preliminary Jurisdictional Determination** to the Army Corps of Engineers



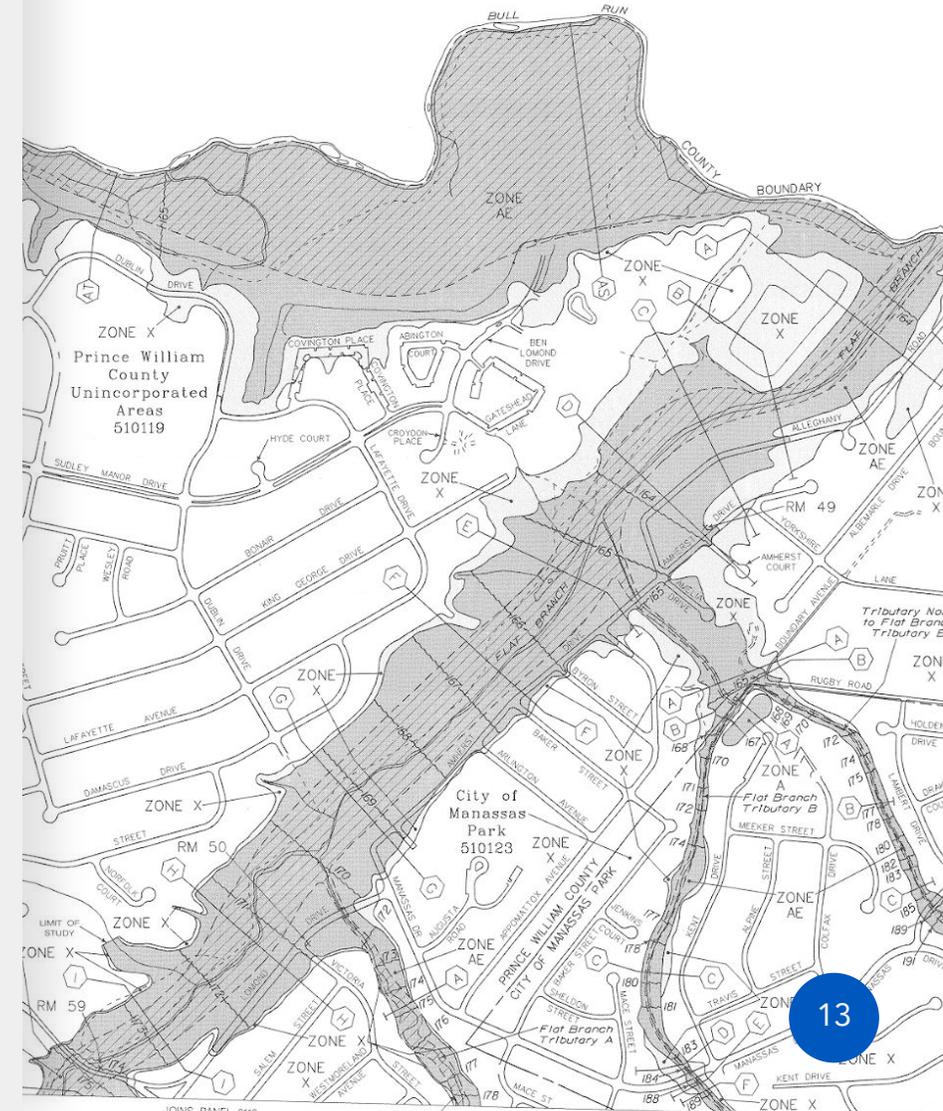
What is a floodplain? What is FEMA's role around floodplains?

Floodplains

- A floodplain is the area surrounding a river or stream that is prone to flooding from high flows in the river
- 100-year floodplains:
 - Areas at risk of flooding under a 100-year storm event
 - A flood event that has a 1% chance of occurring in any given year
 - Federally established standard for how we consider flood risk

FEMA and role they play in establishing floodplains

- What is FEMA?
 - Federal Emergency Management Agency (FEMA)
 - Responsible for managing floodplains at the Federal level
- FEMA established the current floodplain maps for the Counties
- FEMA is responsible for reviewing and approving project work that impacts the floodplains



Why are we doing existing floodplain studies?

- Route 28 Bypass will be designed to **meet or exceed Federal floodplain standards**
- The proposed Route 28 Bypass alignment is to be build within three FEMA regulated floodplains:
 - Bull Run
 - Flat Branch
 - Bull Run Tributary C
- Floodplain studies by the team are used to **size bridges, set the flooding clearance for roads, and determine where place retaining walls**
- Channel restoration along Flat Branch is planned to help **reduce floodplain levels** in conjunction with the Bypass project
- A **comprehensive understanding of flood conditions** is required to properly design the roadway and the channel restoration



How far has the design progressed in 2022?



Design Standards and Processing Plans

- Established **design criteria** across jurisdictions and documented **project standards** for roadways, drainage, soil, and structures to minimize impact to residential properties
- Identified and evaluated **project constraints** to assist in preparation of preliminary design of the project



Data Collection

- Completed **survey, utility designation** and other **field investigations**
- Created **updated mapping for the project area**
- Initiated the **first soil borings** for the project
- Coordinated **among state, regional, county and utilities stakeholders** in the corridor



Traffic

- Performed extensive **traffic data collection** throughout the network
- Completed **draft existing traffic conditions analysis**



Floodplain

- Completed the **wetland delineation** and **submitted to the Corps of Engineers for concurrence**
- Studied and analyzed the **existing floodplain areas** and initiated the preliminary hydrology for the project

What Will Happen Next?

Route 28 Bypass



What is coming up in 2023 for the Route 28 Bypass efforts?

- Completing the **Preliminary Design Plans**
- Finalizing the **Draft Traffic Analysis Report**
- Holding **Public Information Meetings** in Fairfax County and Prince William County
- Completing the **Draft Geotechnical Report**
- Beginning the **Intermediate Design Plans**

When are the Public Information Meetings? What can I expect from them?



Public Information Meetings will take place **in-person with a virtual option** in the following counties:

- Prince William County in **Spring 2023**
- Fairfax County in **Spring 2023**



The **information session** will include:

- Preliminary project plans showing the **construction limits for the project**
- Overview of **next steps for the County and residents**
- Question and Answer (Q&A) session: the community will have the **opportunity to ask questions in real time**

How to Stay Involved

Route 28 Bypass

How can I find the **latest information** about the project?

The following efforts will continue throughout the entire project lifecycle.



1. **Public Information Meetings**

2. **Route28Bypass.com Website**

3. **Social Media/Listservs**

Board of County Supervisors Listservs,
PWC DOT Listservs, Website Listserv, Facebook,
Instagram, Twitter

What opportunities are available to provide input?



Reach out to Route28Bypass@pwcgov.org.



Submit ideas and questions on the route28bypass.com website.



Attend and provide input at future public information sessions.



Connect with your County Supervisor and other local elected officials.