



U.S. Route 29 Bypass

Presentation to the Albemarle County Board of Supervisors

September 7, 2011

Mr. Harold L. Jones, Jr., PE - Project Manager

U.S. Route 29 Bypass

PROJECT: 6029-002-F22,P101, R202, C501

Presentation Objectives

- Provide brief background of Rte. 29 Bypass project
- Next steps & project milestones
- Solicit input from BOS on public input / involvement

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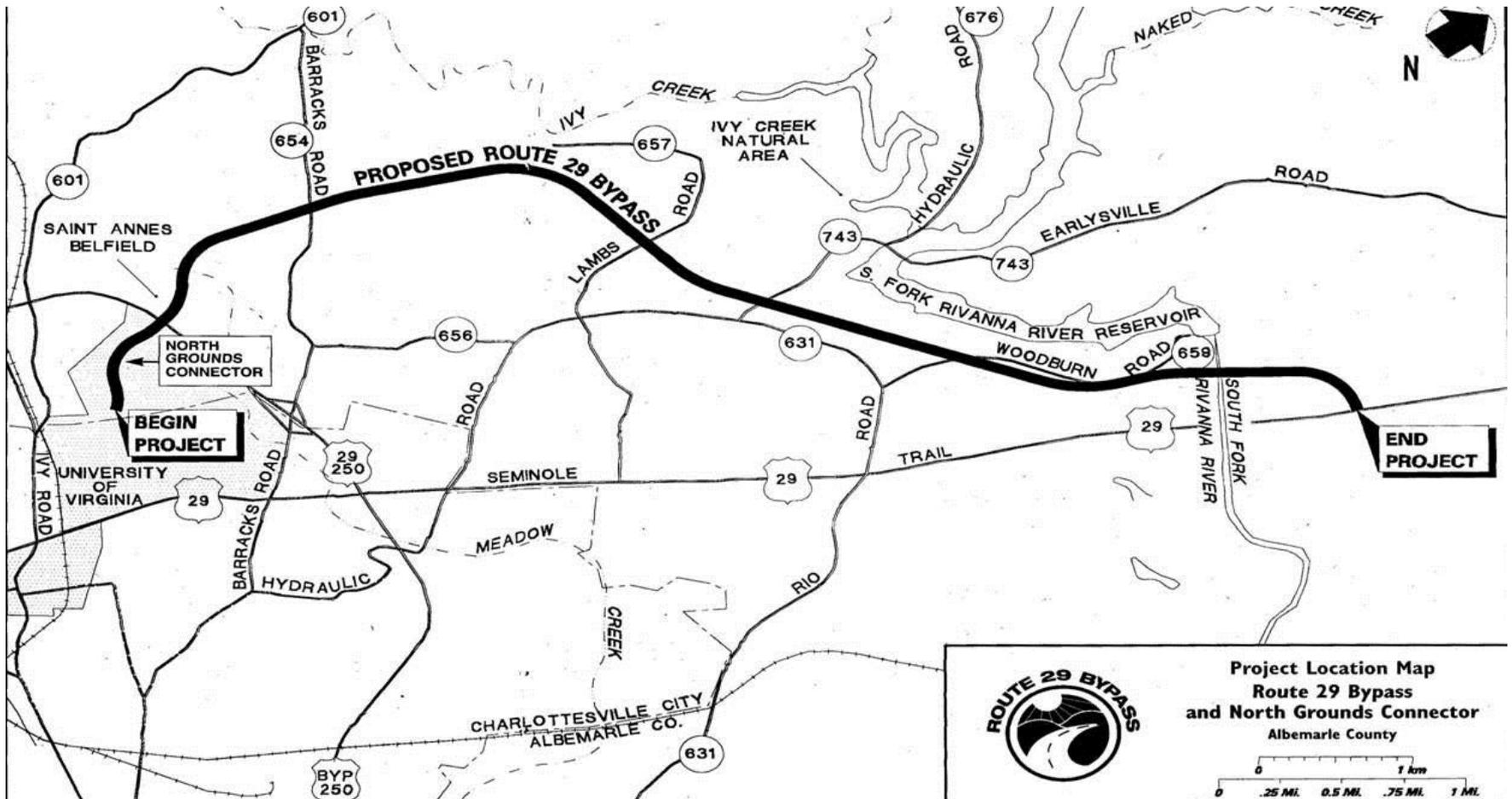
Project Background / Overview

- Project location originally developed in the late 1980s and adopted by Commonwealth Transportation Board in 1990
- 6.2 mile, 4-lane limited access roadway from Route 29 north of the South Fork of the Rivanna River to the Route 29/250 Bypass
- In 1997, traffic forecast was 24,400 vehicles per day on Bypass (2022)
- Bypasses 13 existing traffic signals (14 with Shops at Stonefield)
- Provides alternate northern route to UVA campus via Leonard Sandridge Drive

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Project Location Map



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Background - Environmental

- **Lawsuit filed in 1998 alleging violations of National Environmental Policy Act (NEPA)**
- **Courts ruled in VDOT's favor but required completion of a Supplemental Environmental Impact Statement (EIS) to address impacts at the northern terminus of the project**
- **Final EIS approved by FHWA in May 2003**
- **Record of Decision issued by FHWA September 22, 2003**
- **Required environmental assessment under NEPA complete for current location & design**

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Background - Right of Way

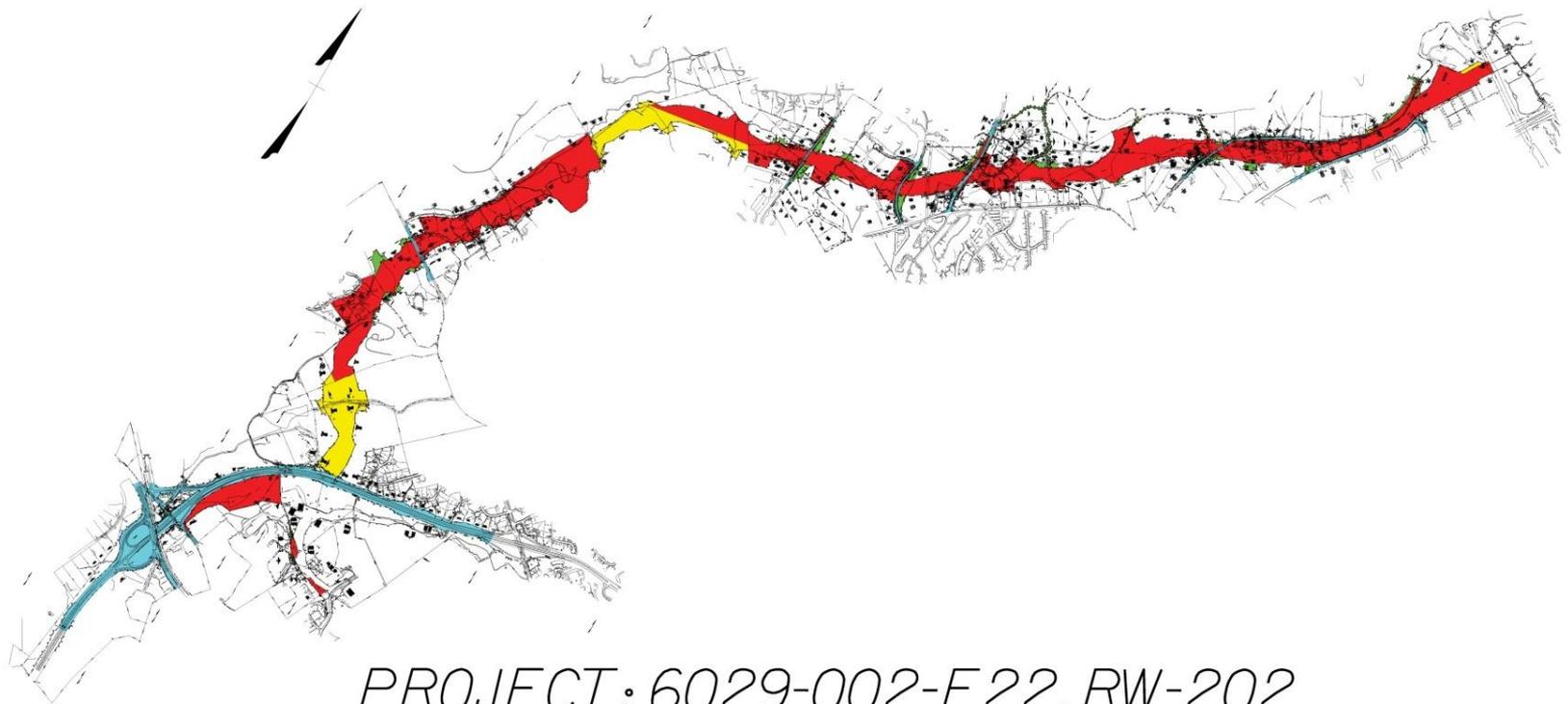
- **83 of 122 parcels (68%) have been purchased**
 - **one parcel north of South Fork Rivanna River, all others are south of river**
- **36 properties are currently being leased**
- **Utilities need relocation (gas, elec., water, sewer, telecom., etc.)**
- **Easements identified, need to be updated**
- **3 family cemeteries need to be relocated**

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Background - Right of Way

	<i>OWNED IN FEE BY COMMONWEALTH</i>	<i>* NOT TO SCALE</i>
	<i>VARIOUS EASEMENTS</i>	<i>* ANNOTATIONS ARE IN METRIC</i>
	<i>ROW TO BE ACQUIRED BY APRIL 2012</i>	
	<i>EXISTING ROADWAY ROW</i>	



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Background - Design

- **Original Design Year (2022) Traffic forecast**
 - 24,400 ADT
 - Percentage of truck traffic (7%)
- **Design work stopped in 1998**
 - Interchange design at northern terminus incomplete
- **Survey and design were in metric units**
- **Leonard Sandridge Drive (formerly North Grounds Connector) construction completed in 2006**

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Background - Project Estimate / Funding

Funding comes from a combination of federal and state funding.
The current estimate is as follows:

Preliminary Engineering:	\$20,837,745
Right of Way:	\$105,481,038
Construction:	\$118,275,045
TOTAL:	\$244,593,828

Project is fully funded for PE, RW and CN with current Six Year Plan

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Project Delivery – Next Steps

- **Design Build Procurement**
 - **Low Bid, Single Phase**
- **Environmental Re-evaluation**
 - **VDOT is performing through contract**
- **Right of Way Acquisition**
 - **VDOT and Design Build Team to acquire**

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Environmental – Moving Forward

- **VDOT to update environmental document**
 - In the form of an Environmental Assessment
 - Updated traffic
 - Additional Environmental studies required (air, noise, cultural resources, hazardous materials, endangered species)
- **Public Involvement will be part of the process**
 - Anticipate a Citizen's Information Meeting 2nd Qtr CY12

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Right of Way – Moving Forward

- VDOT to acquire 13 remaining parcels south of South Fork Rivanna River
- VDOT to begin appraisal process September 8, 2011
- Demolition of 2 vacant structures to occur with existing contract
- Design-builder to acquire RW north of South Fork Rivanna River
- Design-builder responsible for railroad coordination/agreements, etc.
- VDOT to facilitate disinterment / interment for 3 cemeteries

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Design – Moving Forward

- **Design Build Procurement Advantages**
 - Accelerated project delivery
 - Innovative construction methods and techniques (contractors involved early in planning)
 - Supports economic development
 - Maximize use of available funding
 - Shared / reduced risk
- **Design Build Proposals will not compromise the EIS**

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Design – Moving Forward

- **Design Year: 2036**
 - 35,000 ADT estimated at 1.7% annual rate of growth
 - Updated Counts underway as part of Environmental Reevaluation
- 60 mph design speed
- 12 foot lanes with 10 to 13 foot wide shoulders, incl. 8 foot paved shoulders
- Level of Service = C (at Design Year 2036)
- Select areas for enhanced landscaping
- Context sensitive design
 - architectural treatment, smaller footprint, etc.

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Public Involvement Strategy

- **Public Involvement is not required with Environmental Re-evaluation Process, but will be incorporated into process**
- **Design Public Hearing is not required for Design Approval**
- **Previous Design Advisory Committee**
- **Opportunities for Public Input to Design Build through Addendum to RFP to be issued in November**

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Milestone Schedule

Environmental Re-evaluation	Sep, 2011
Right of Way	Sep, 2011
Initial Public Involvement	Sep.- Oct. 2011
Issue Request for Proposal	Sep, 2011
Addendum to Request for Proposal	Nov. 2011
Proposals Due	4th Qtr CY11
Contract Award	1st Qtr CY12
Public Involvement	2nd Qtr CY12 with Env. Re-eval.
Begin Construction	Estimated 4th Quarter 2012

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Questions / Comments