



**Braddock Rd/Pleasant Valley Rd Intersection  
Improvement Project  
UPC 103318  
Request for Proposal Overview  
Pre-bid Conference**

March 6, 2014

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# Project Location

## Braddock Road / Pleasant Valley Road Intersection Improvements UPC 103318



# Introduction & Background



## Project Goals

- **Improve traffic safety and operations through design year 2020**
- **Minimize impacts to surrounding properties**
  - **Wetlands**
  - **4f park lands**
  - **Agricultural – Forestal District (Cox Farm)**
  - **Utilities**
  - **Right-of-way**

## Project Description

- **Construct a 100-foot ICD Roundabout**
- **Adjust alignment to minimize right-of-way, environmental, utility, and maintenance of traffic impacts**
- **Meets capacity needs through design year**
- **Better safety performance than traffic signal**
- **Reduced “footprint”**
- **Reduce impacts to Conservation Easement in SE Quadrant**

## 2.1.3 Design Exceptions and Waivers

- **VDOT has not identified Design Exceptions (DE) or Design Waivers (DW) (per Conceptual Plans).**
- **Design Builder to eliminate or apply for the appropriate DE or DW.**
- **Preparation of such DE or DW and any information needed to support these documents is the responsibility of the Design Builder.**

## 2.2 Roadway Design

- **The Roadway information and major Design Criteria are summarized in the design Criteria Table (Attachment 2.2)**
- **Both Braddock Road and Pleasant Valley Road are classified as Urban Minor Arterials.**
- **Use GS-6 Design Standards**
- **Construct a 100-foot ICD Roundabout**

## 2.3 Environmental

**2.3.1 Environmental Document - FHWA has approved the CE on January 31, 2014**

**2.3.2 Cultural Resources: No Effect**

**2.3.3 Section 4(f) Resources**

- **The proposed Project includes use of land from three Section 4(f) resources:**

<u>Section 4(f) Resource</u>	<u>Parcel No.</u>
Mountain Road District Park	003
Rock Hill District Park	004
Elklick Preserve	005

## 2.3 Environmental



## 2.3 Environmental

- *de minimis* Impact Finding dated January 31, 2014 to the use of land protected by Section 4(f) legislation.
- **Minimization and mitigation measures negotiated with the Fairfax County Park Authority:**
  - **Providing Commercial Entrances for the planned development of Mountain Road District (Parcel 003).**
  - **Graded right-turn lane off EB Braddock Road.**
  - **Design Builder shall perform the necessary drainage analysis to demonstrate the existing wetland in Rock Hill District Park (Parcel 004) are not adversely affected. Please refer to Part 2 of the RFP Document for more information.**

## 2.3 Environmental

### 2.3.4 Agricultural and Forestal District (AFD)

- Cox Farm (Parcel 002) – RFP Plan is anticipated to require less than an acre of AFD property for conversion to transportation use.
- The Design-Builder should refer to the *Technical Advisory for AFD Notice/Report to County Government in the RFP Information Package. Required if impact is greater than an acre*
- The Design-Builder is solely responsible for any costs or schedule delays related to the AFD impacts exceeding one acre.

## 2.3 Environmental

**2.3.5 Water Quality Permits** - The Design Builder will obtain all necessary environmental clearances, permits.

- **Wetland** - VDOT has completed a wetlands delineation of the Project area and has obtained a preliminary jurisdictional determination from the US Army Corp of Engineers dated October 7, 2013; the Design-Builder shall utilize this information to obtain required permits.

**2.3.7 Hazardous Material** – No potential for hazardous materials within the project area.

**2.3.9 Noise Mitigation** – Type III project and a Noise Study is not required.

## 2.5 Geotechnical

- **Geotechnical Engineering Data Report (GDR)**
- **The Design-Builder shall:**
  - Validate Minimum Pavement Designs
  - Design Temporary Pavement
  - Perform Design-Level Geotechnical Investigation. AMRL Certification is required for labs performing soil tests
  - Photographically document the existing condition of all pavement within and adjacent to the project limits
- **NOVA Materials Section support**

## 2.6 Hydraulics

- **Design-Builder shall provide final Drainage Design**
  - **Culverts, entrance pipes, open channels, storm sewers, adequate outfall analysis, etc.**
  - **Erosion & Sediment Control – Section 2.6.2**
  - **Storm Water Management - Section 2.6.3**
  - **VSMP Permit may be required**

## 2.6.1 Drainage

- **Drainage Inventory**
  - **For Price Proposal, assume all existing pipes to be plugged/abandoned and new pipes installed**
  - **Design Builder may investigate serviceability and functionality by visual/video inspection**
  - **VDOT must approve restore vs. replace of damaged pipes**
- **Backfill all abandoned pipes with flowable fill**

# MOT/ Traffic Control

- **2.9.2 – Lane and Road Closure Restriction**
  - **Design Builder shall follow the NOVA District Administrator Memo regarding Lane Closures dated March 2012.**
  - **Detour Plans will be required for any proposed total road closure exceeding 20 minutes, and are subject to VDOT review and approval as part of the Design Builder TMP.**

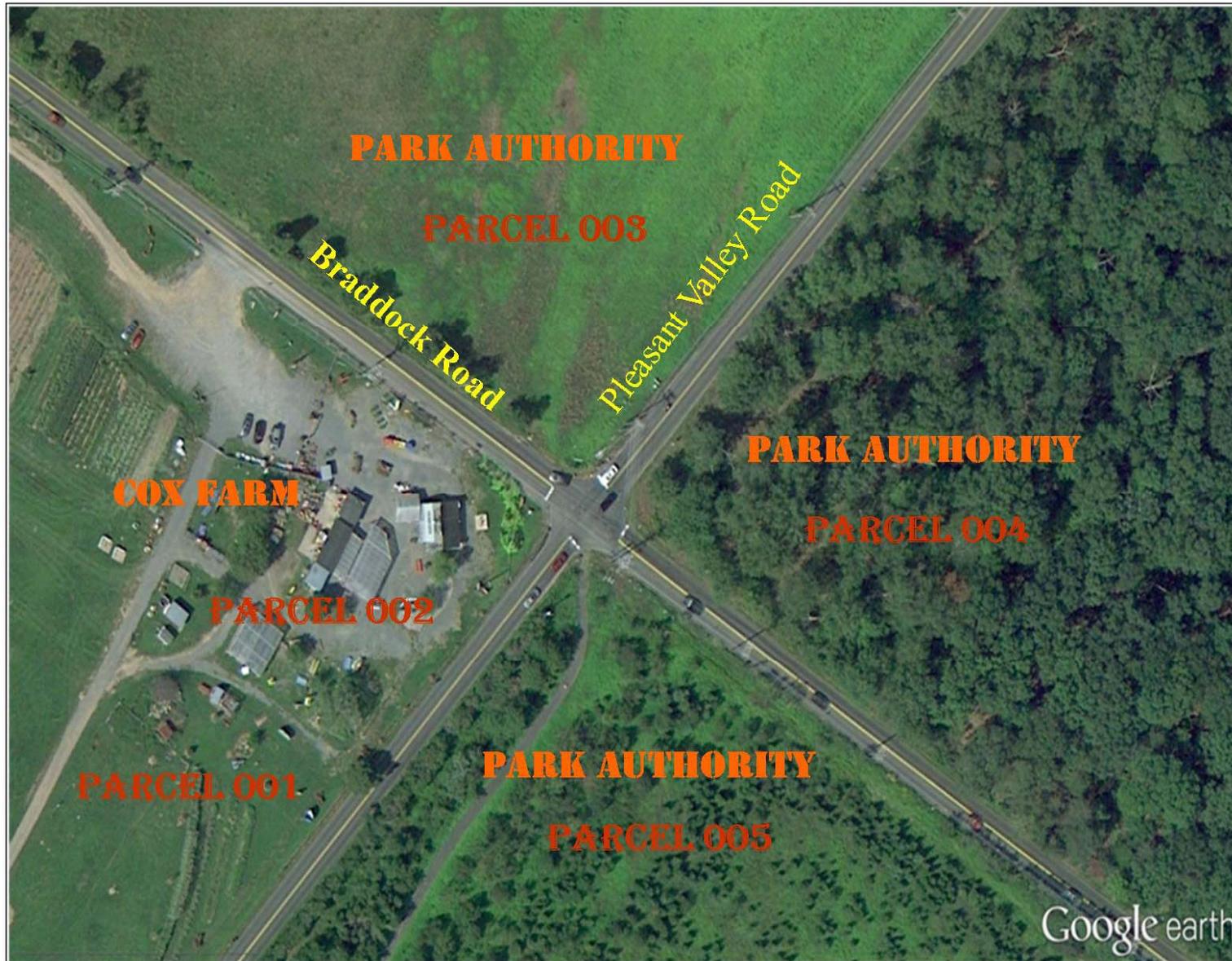
# MOT/ Traffic Control

- **2.9.3 – Use Virginia State police**
  - **Design Builder shall be responsible for coordination through VDOT for VSP services during Temporary Traffic operations involving lane closures, and any other operations as covered in Appendix C of the Virginia Work Area Protection Manual.**
  - **VDOT shall be responsible for all costs incurred by VSP specific to the project.**

## 2.11 Right of Way

- **Fairfax County Park Authority is the owner of Parcel 003, 004 and 005.**
- **VDOT shall be responsible for the acquisition costs for land and easements for all Parcels. VDOT shall be responsible for the acquisition services for land and easements to be acquired from Parcel 003, 004 and 005 Parcel.**
- **All Parcels are partial takes as shown on RFP Conceptual Plans.**
- **Utility easements have not yet been identified or shown on the RFP Conceptual Plans.**

## 2.11 Right of Way



## 2.11 Right of Way

- **The Design Builder shall not propose further impacts to the remainder of Parcel 005.**
- **Parcel 005, in its entirety, is subject to a conservation easement held by the Fairfax County Board of Supervisors.**
- **To the extent this conservation easement is impacted by this Project, it may need to be replaced outside of the Project construction limits by agreement between Fairfax County Park Authority and the Board of Supervisors.**
- **If replacement is required, the Design Builder will not be responsible for facilitating the conservation easement's reestablishment.**

## 2.12 Utilities

- Design-Builder responsible for relocation of all utilities required for construction of project
- Numerous existing Multi-phased utility poles
- No additional time or money will be granted for delays due to utility relocation conflicts
- Known existing Utilities Owners (Plan Sheet 3):
  - Electric
  - Fiber Optic
  - Telephone
  - CATV
  - Other unidentified utilities?
- Provide power supply to Lighting





# Contract Documents

## Five Parts:

- Part 1 – Instructions for Offerors
- Part 2 – Technical Requirements
  - RFP Information Package
- Part 3 – Lump Sum Agreement
  - Exhibit 1 to Part 3
- Part 4 – General Terms & Conditions
- Part 5 – Division I Amendments

## Note:

Parts 3, 4 and 5 Template Documents, revised July 2013

- Not provided on CD with RFP Information Package
- Download at [www.viriniadot.org/business/design-build.asp](http://www.viriniadot.org/business/design-build.asp)

## Updates to Project Documents

Since this project is Single Phase, please monitor the APD RFP website for any addendums or additional information:

<http://www.virginiadot.org/business/request-for-proposals.asp>

# Part 1 – Instructions to Offerors

## Introduction

(Section 1.0)

- Project Priorities –
  - Cost - Best price for scope of work identified in RFP
- Estimated Contract Value - \$2,500,000

## Procurement Overview

(Section 1.1)

- Single-Phase Low-Bid
- Responsive Bidder with lowest Proposal Price within VDOT's budget will be awarded the contract
- Bidders must meet minimal qualifications

# Procurement Schedule & Project Milestones (Part 1, Section 2.4)

Pre-proposal Meeting	03/06/14
RFP Questions Due to VDOT	03/20/14
VDOT Response to Questions	04/01/14
LOS/Price Proposal Due Date	04/24/14
Open LOS/Price Proposals	04/28/14
Notice of Intent to Award	05/05/14
CTB Approval/ Notice to Award	06/18/14
Contract Execution	07/07/14
Notice to Proceed	07/10/14
Final Completion	05/04/16

# Contents of Proposals (Part 1, Section 4.0)

- Letter of Submittal (Section 4.1)
- Attachments to the Letter of Submittal (Section 4.2)
- Price Proposal (Section 4.3)
- Post Notice of Intent to Award Submittals (Section 4.4)

## Letter of Submittal (Part 1, Section 4.1)

- C-78-RFP -Acknowledgment of RFP
- Declare the Offerors intent to enter into a contract with VDOT and that the offer will remain in effect for 120 days
- Identify the Point of Contact for the Offeror
- Identify the Principal Officer for the Offeror
- Identify the Lead Contractor and Lead Designer
- Commit to achieving a 20% DBE Goal
- Provide Final Completion date

## Attachments to the Letter of Submittal (Part 1, Section 4.2)

- Affiliated and Subsidiary Companies
- Debarment Forms
- VDOT Prequalification Certificate
- Letter of Surety
- SCC and DPOR Registration Information for Businesses
- Work History Forms for Lead Contractor and Lead Designer

# Attachments to the Letter of Submittal (Part 1, Section 4.2)

- Conceptual Roadway Plans
  - Lane widths and truck apron widths
  - Shoulder widths
  - Roundabout dimensions
  - Sidewalk and path widths
  - Median widths
  - Location of entrances to adjacent properties
  - Limits of demolition of pavement and mill and overlay area
  - Minimum pavement sections
  - Cross slopes

Offerors Conceptual Plan must meet RFP requirements to be responsive

## Price Proposal (Part 1, Section 4.3)

- Proposal Price specified as a Lump Sum Amount
- Asphalt, Fuel and Steel Adjustments
- Proposal Guaranty (Form C-24)
- Sworn Statement Forms
- Applicable Design Builder Forms
  - **Make sure Design Builder forms are complete and accurate!!**
  - **Providing inaccurate Design Builder information or incomplete forms may render a Proposal non-responsive.**
  - **Note that DBE forms have been moved to Post Award**

# Post Notice of Intent to Award Submittals (Part 1, Section 4.4)

- Organizational Chart and Narrative
- Identify Offerors Key Personnel
  - Design-Build Project Manager
  - Quality Assurance Manager (PE)
  - Design Manager (PE)
  - Construction Manager (RLD and ESCCC)
  
- SCC and DPOR Registration Information for Individuals
- Design Builder Subcontracting Narrative
- Proposal Schedule and Narrative
- Schedule of Items
- Monthly Payment Schedule
- Escrow Proposal Documents

## Parts 3, 4 and 5 – Standard Template Documents and Exhibit 1 to Part 3

- Liquidated Damages (Part 3, Article 5.6)
  - Final Completion - \$1,350/ day
- Scope Validation (Part 4, Article 2.2)
  - Begins on Date of Commencement and lasts for 90 days
  - Verify and Validate RFP Documents provided by VDOT
  - Identify Errors, Inconsistencies or Defects in the RFP
  - Notify VDOT in Writing and with Supporting Documentation within Time Period

# Parts 3, 4 and 5 – Standard Template Documents and Exhibit 1 to Part 3

- Builder's Risk Insurance (Part 5, Section 103.06)



## VDOT Point of Contact

Bryan Stevenson, P.E.

Alternate Project Delivery Office  
Virginia Department of Transportation  
1401 East Broad Street  
Richmond, Virginia 23219

Phone: (804) 786-6929  
Fax: (804) 786-7221  
E-mail: [bryan.stevenson@vdot.virginia.gov](mailto:bryan.stevenson@vdot.virginia.gov)



**Braddock Rd/Pleasant Valley Rd Intersection Improvement Project  
UPC 103318  
Utility Coordination Meeting**

March 6, 2014

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## 2.12 Utilities

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  - CATV
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- Provide power supply to Lighting





## Known Utilities - Briefing

- NOVEC  
Mark Bell – 703.754.6732 or 757.879.2218
- Verizon  
Steve Puryear – 703.886.6490
- Cox Cable  
Dan Hollenback - 703.480.7869
- Fiber Light LLC (FBL)  
Perry Jackson - 571.323.7670 or 240.994.0305  
Wayne Haithcox - 703.787.7970 or 540.522.3776

NOTE: No gas or water on this project