



Pre-proposal Meeting

US ROUTE 15/29 IMPROVEMENTS AT VINT HILL FAUQUIER COUNTY, VIRGINIA

UPC 114713 (0029-030-843, P101, R201, C501)

Contract ID: C00 114713 DB105

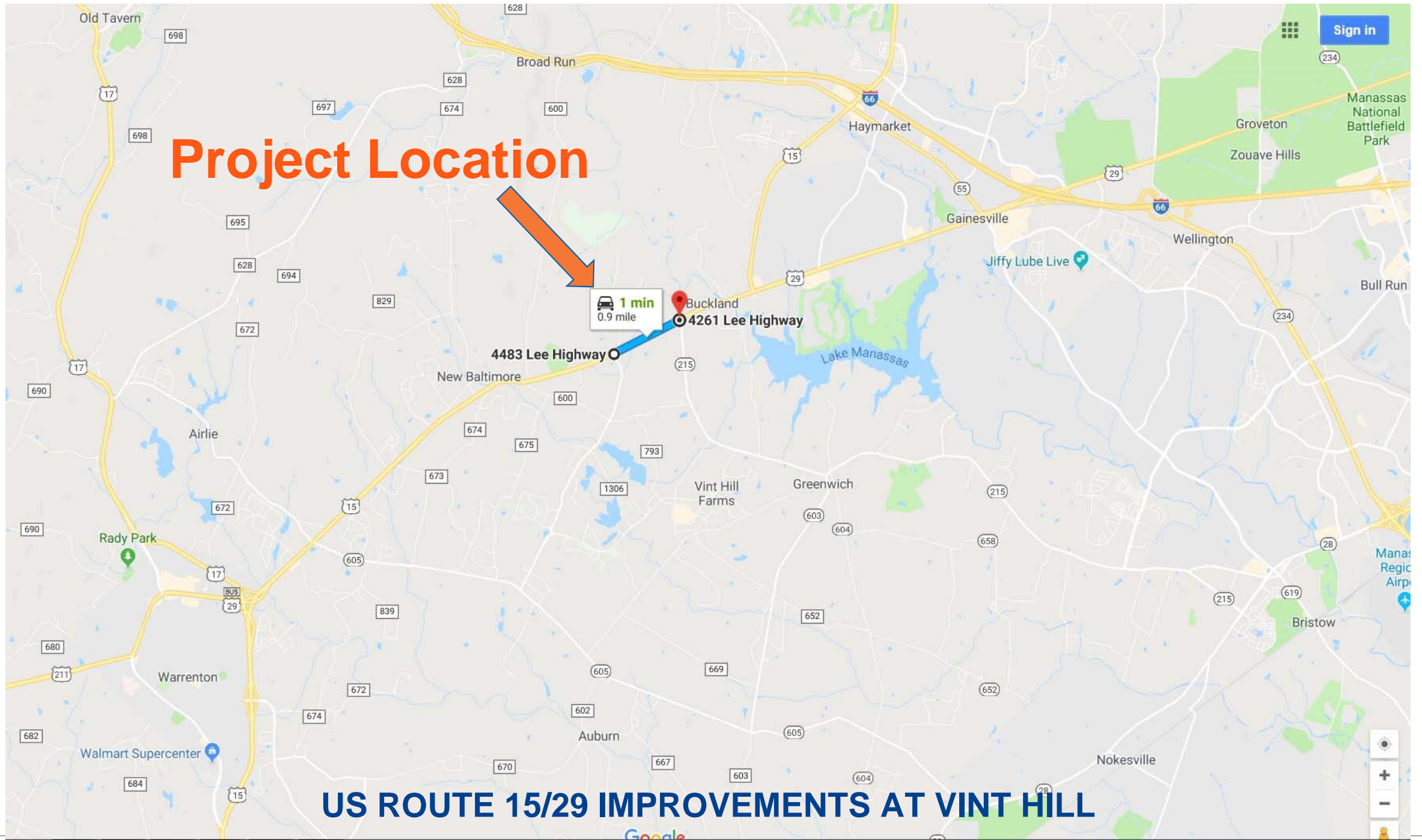
Hal Jones, P.E. – Project Manager

Joseph A. Clarke, P.E., DBIA – APD Project Manager - POC

February 15, 2019

Agenda

- **Welcome**
- **Project Location**
- **Project Overview**
- **Technical Requirements Highlights (RFP Part 2)**
- **Highlights of RFP Parts 1, 3, 4 and 5**
- **Questions / Answers**
- **Utility Presentation (by utility representatives)**



Project Location

US ROUTE 15/29 IMPROVEMENTS AT VINT HILL

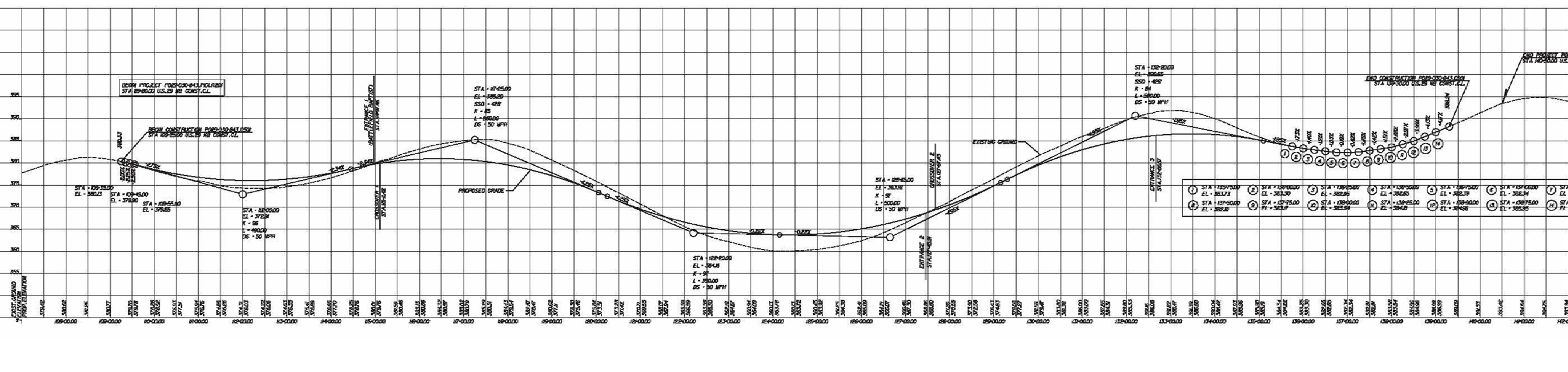
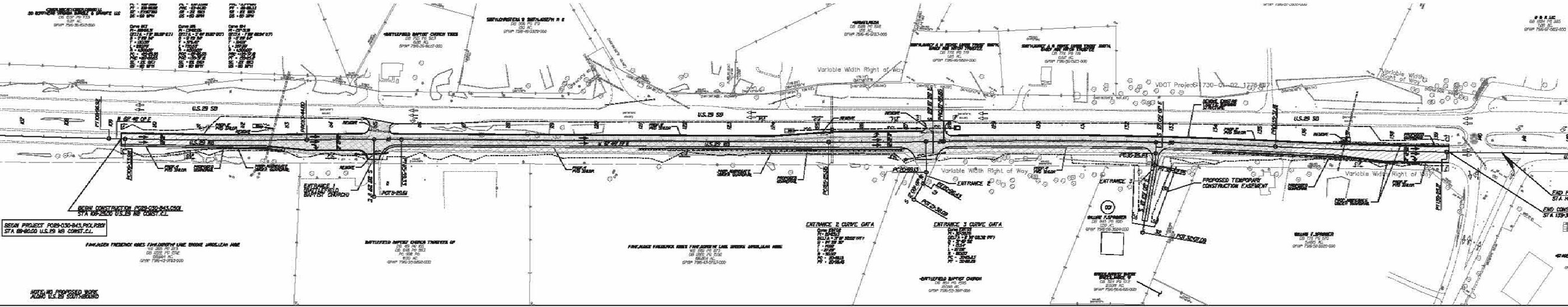
Project Overview

- **US Route 15/29 is a Corridor of Statewide Significance / National Highway System**
- **Functional classification & traffic volume**
 - **Other Principal Arterial; 27,400 VPD (NB only)**
- **US-15/29 (Lee Highway) and VA-215 (Vint Hill Road) intersection consistently ranks as the #1 highest Targeted Safety Need in the Culpeper District**
 - **113 crashes in the 5 year period from 2013-2017 within the approximate project limits**
- **VDOT geometric design standard**
 - **GS-2; DS=60 mph; posted speed through project limits is 55 mph**
 - **Existing VC ~ 35 mph equivalent DS; desire to improve to design speed of at least 50 mph**
 - **Maintain existing typical section for final design**
- **Minimize RW and Utility impacts**
 - **Shift NB lanes towards median, stay off of existing fill slopes, avoid overhead lines**
- **No proposed work on the existing intersection of US 15/29 & Vint Hill Road**

Project Overview

- Existing major culverts underneath US Route 15/29 to remain (3)
- Design Exception for SWM (Improvement factor/quantity) under DEQ review
- Maintain crossovers, turn lanes & private entrances
 - Entrance #1 - Battlefield Baptist Church (Church and Single Family Residence)
 - Entrance #2 - Battlefield Baptist Church (Single Family Residence)
 - Entrance #3 - William F. Springer (Single Family Residence)
- Northbound closure period allowed (from noon on July 8th through August 2nd)
 - Design-Builder to provide regional detour from Warrenton to I-66
- Restrictions on allowable work hours & Damage Recovery
 - Night work only except for the NB US 15/29 closure period
- Significant stakeholder interest
 - Route 29 New Baltimore Advisory Panel, Fauquier County, Battlefield Baptist Church, Buckland Mills Battlefield Board, Section 106 Consulting Parties and other neighboring property owners

Project Overview



Environmental

- **NEPA document - Categorical Exclusion (CE); *draft ready for Public review***
- **Cultural Resources**
 - One historic property in the APE: Buckland Mills Battlefield (VDHR# 030-5152)
 - No Adverse Effect - DHR concurred with no adverse effect determination on February 1st
 - Design-Builder to coordinate with VDOT on planned staging, storage, disposal areas to avoid Section 106 impacts
- **No Use of any Section 4(f) Resources**
- **No Water Quality Permits required with RFP Conceptual Plan**
 - Any changes to RFP Concept Plans that require fill (temporary or permanent) to be placed beyond existing toe of slope renders permit determination invalid
 - Design-Builder is responsible for verifying permit requirements prior to construction
- **Threatened & Endangered Species**
 - Northern Long-Eared bat identified in vicinity of project, however VDOT coordinated tree clearing (up to 0.3 acres) with USFWS. Project will not require a TOYR

Survey & Geotechnical

- **Survey**

- RFP Plans utilized old survey - updated survey and utility designation available for final design
- Test holes for 2 underground cable crossings (Comcast)
- Design-Builder to provide and set VDOT RM-2 RW monuments within Project limits if existing monuments are disturbed or destroyed during construction

- **Geotechnical**

- Design-level geotechnical subsurface investigation (GER) is completed & now available
- Maximum slope ratio to be used – 1H:1V for cut slopes, 1.5H:1V for fill slopes
- Design-Builder is required to confirm that its design will not decrease the slope stability factors provided in the GER for the existing embankment slopes
- Construction shall not impact the existing embankment fill slopes in any manner. Vibratory compaction equipment shall not be used within 10 feet laterally of the top of the existing embankment fill slopes
- Acceptable changes to minimum pavement sections are limited to increasing the thickness of the base or subbase layers specified. Work may involve differential depth milling, differential leveling, or both. Design-Builder shall propose an appropriate leveling course mix for each situation

Hydraulics & SWM

- Replacement of the 3 existing culverts underneath US 15/29 are not part of this Project
- Water Quantity Compliance Waiver was submitted to DEQ & is under review
 - Design-Builder shall validate the preliminary SWM with its final design
- VDOT will purchase nutrient credits to address phosphorus removal requirements
 - Preliminary analysis indicates phosphorus reduction requirement for the Project is 1.31 lbs/year
 - Design-Builder shall provide for any additional phosphorus reduction required with its final design
- Design-Builder shall not proceed with work to be covered by the permit until permit coverage is secured and the VDOT Project Manager releases the work in writing
- Offeror shall comply with VSMP Regulations, VPDES Construction Permit coverage and requirements and coordinate with the Department to provide information needed for the VPDES Construction Permit

Traffic Control

- **The existing CCTV camera, the existing traffic signal and all related equipment located at the intersection of US 15/29 and Vint Hill Road shall be preserved and maintained during the construction period**
 - **Signal detection cameras and timings for the traffic signal at the intersection of Vint Hill Road may require adjustment during the construction period and after construction**
 - **Design-Builder shall notify VDOT at least four (4) weeks prior to the closure & VDOT will make these adjustments**
- **Design-Builder shall remove all existing traffic control devices within the project limits (including flashers, poles, arms, controllers and related equipment) that are no longer relevant and/ or are not required by the final design**
- **An existing sign inventory shall be completed prior to site demolition**
- **Temporary detour signing will be required outside the project limits for the planned closure and shall be in place at least six (6) weeks in advance of the closure**

Transportation Management Plan

- **The Design-Builder's TMP shall include a Maintenance of Traffic (MOT) Plan detailing all phases of work, proposed lane closures, maintenance of traffic through the work area, and all construction access points**
- **Access must be maintained to all existing entrances within project limits at all times**
- **Incident Management Plan – to be prepared for incidents along the construction corridor and to prepare for incidents on nearby roads**
- **Lane, shoulder, or road closures shall be detailed in the Design-Builder's Transportation Management Plan and shall be submitted at least seven (7) days in advance of the proposed lane and/or shoulder closure and no later than close of business Wednesday the week prior to closure**
- **Any requests for changes to allowable work hours shall include an assessment of the work zone traffic impacts using a sketch planning traffic analysis tool and/or an operational level traffic analysis software program as appropriate for approval by VDOT at least thirty (30) days prior to the operation impacting the lanes**

Transportation Management Plan

- **A 26 day closure period is allowed for the northbound lanes of US 15/29 in order to conduct 24 hour construction operations**
 - **Starts at noon on July 8th, 2019 through August 2nd, 2019**
 - **Access to properties must be maintained (3 entrances noted on RFP Conceptual Plans)**
 - **Offerors shall anticipate the need for 10 PCMS's for the detour for Price Proposals**
- **Design-Builder shall be responsible for all detour signage and traffic control**
- **Extension of a lane closure time beyond the Allowable Lane Closure Hours, except as approved by VDOT, is not acceptable and bears a User Fee charge**
- **Damage Recovery & User Costs**
 - **Table provided in Part 2, Section 2.10.4 of RFP Addendum #1**

Public Relations

- **The Design-Builder shall be responsible for coordinating the preparation and release of any public information with VDOT's Culpeper District Office of Communications. All information to be released to the public shall be approved by VDOT**
- **During the design and construction phases, the Design-Builder shall:**
 - **Hold informal meetings with affected stakeholders as necessary**
 - **Provide VDOT's Culpeper District Office of Communications with written information about the Project at least once a week that may be posted on VDOT's external website**
- **During the Construction Phase, the Design-Builder shall:**
 - **Coordinate with Fauquier Co., Prince William Co. and the VDOT (Culpeper & NOVA Districts)**
 - **Report any work that impacts traffic and enter planned lane and/or shoulder closures into the Lane Closure Advisory Management System (LCAMS)**
 - **Provide information for Traffic Alerts whenever there are new impacts to motorists & provide an emergency contact list of Project personnel and a response plan for any onsite emergency to VDOT's Project Manager**
 - **Maintain a log/database of questions, complaints, & comments from stakeholders & the public**

Right of Way & Utilities

- The procedures and requirements related to Right of Way for this Project shall be in accordance with the Right of Way Manual of Instructions
- VDOT will acquire the temporary construction easement (TCE) as indicated on the RFP Conceptual Plans. The TCE as identified in the RFP Conceptual Plans for entrance #3 should be assumed to be acquired by VDOT and costs associated with this acquisition should not be included in the Offeror's Price Proposal
- The Design-Builder shall meet with VDOT's Regional Utilities Manager/Design Build Projects Utility Coordinator within thirty (30) days from the date of Notice to Proceed (after Award) to gain a full understanding of what is required with each submittal
- Two potential utility conflicts located between approximate Sta. 120+00 & Sta. 120+50
 - VDOT has met with Comcast & test hole results are available in RFP Addendum #1

Utilities

- The Design-Builder shall prepare and submit to VDOT a Preliminary Utility Status Report within forty-five(45) days from the Date of NTP with a listing of all utilities located within the Project limits and a conflict evaluation and cost responsibility determination for each utility
- The Design-Builder shall be responsible for ensuring that each utility owner that is subject to the requirements of Section 313 of Title 23 United States Code, MAP-21 S.1518 Buy America as described in Part 5, Exhibit 102.05(g.1) provides written certification to the Design-Builder that they are in compliance with this requirement
- The Design-Builder shall ensure the utility owners submit As-Built drawings upon completion of their relocation and/or adjustments. VDOT will issue an As-Built permit to the utility owners after receipt of the permit application and the As-Built drawings. The Design-Builder shall accurately show the final location of all utilities on the As-Built drawings for the Project in accordance with Part 2, Section 2.17.9 of the RFP.

Quality Assurance/Quality Control

- **Minimum Requirements for Quality Assurance and Quality Control on Design Build and Public-Private Transportation Act Projects, July 2018**
- **The QAM shall verify that all design related Work Packages submitted for payment have been certified by the Design Manager as being in conformance with the Contract Documents and the Design QA/QC Plan**
- **The QAM shall have the authority and responsibility to enforce the Contract requirements and for overseeing the identification and processing of deficient materials or unsatisfactorily finished products failing to conform to Contract requirements**
- **NCRs can be issued by the VDOT PM and addressed to the Design-Builder's QAM for resolution**
- **The QAM, Construction Manager, QA lead inspector, lead project superintendent and VDOT personnel shall participate in weekly QA/QC meetings for the duration of construction activities**

Quality Assurance/Quality Control

- **The Design-Builder's QA firm shall have a presence on-site during any and all construction operations to ensure all construction work and QC activities are being performed in accordance with the Contract requirements**
- **The QAM shall assign a minimum of one (1) Lead QA Inspector to the Project prior to the start of construction. The Lead QA Inspector, who must be on site full-time for the duration of all construction of the Project, shall be responsible for verifying that all construction activities performed by the Design-Builder were done so in accordance with the Contract requirements and were observed by the quality assurance firm**

Project Documentation

- **The Design-Builder shall maintain all project documentation electronically in an online location that is accessible to all personnel associated with the Project (to include contractor personnel, QC personnel, QA personnel, design personnel, right of way personnel, and VDOT personnel) at all times for the entire duration of the Project. The Document Control System for this Project shall be CADAC.**
- **CADAC does not replace any submission requirements, including but not limited to providing hard copies of plans, calculations, and reports, and uploading applicable documentation into VDOT's ProjectWise System**

Additional Information

- **No field office required - VDOT personnel will be located in the Warrenton Residency**
- **As-Built Plans shall include:**
 - **Utilities**
 - **SWM (if applicable)**
- **Safety, Communication & Expectations**

VDOT Point of Contact

Joseph A. Clarke, PE, DBIA
Alternative Project Delivery Division
Virginia Department of Transportation
1401 East Broad Street
Richmond, Virginia 23219

phone: (804) 371-4316

fax: (804) 786-7221

e-mail: joseph.clarke@vdot.virginia.gov

Contract Documents

Five Parts:

Part 1 – Instructions for Offerors

Part 2 – Technical Information & Requirements

- RFP Information Package

Part 3 – Lump Sum Agreement

- Exhibit 1 to Part 3 – Project Specific Terms

Part 4 – General Conditions of Contract

Part 5 – Division I Amendments to the Standard Specifications

Note: Parts 3, 4 and 5 are Template Documents (Revised November 2016)

➤ Download at www.virginiadot.org/business/design-build.asp

Part 1 – Instructions to Offerors

Procurement Overview

- **Project Priorities**
 - Scope and Cost – Most scope for Maximum Contract Value (MCV)
- **Single-Phase Procurement**
- **Low Bidder who offers the most scope alternatives within the Maximum Contract Value will be awarded the contract**
- **Price Proposals shall be “all in” price**
 - Provisions for Scope Validation and Differing Site Conditions shall not apply
 - Offerors are expected to bid the risk to design and construct the project
- **Maximum Contract Value \$3,500,000**
 - Offerors whose lump sum price exceeds the MCV will be non-responsive
- **Project will not be awarded until completion of NEPA**

Part 1 – Base Scope and Scope Alternatives

- **Project Objective**
 - Improve vertical alignment of NB US Route 15/29
- **Base Scope**
 - Improve stopping site distance for 50 mph design speed
- **Scope Alternative 1**
 - Improve stopping site distance for 55 mph design speed
- **Scope Alternative 2**
 - Improve stopping site distance for 60 mph design speed

Part 1 – Base Scope and Scope Alternatives

- **Project procured utilizing Base Scope and Scope Alternatives**
- **All Offerors shall provide the Base Scope**
- **Scope Alternatives listed in sequential order by priority and shall be provided in sequential order**
- **Scope Alternative 2 shall not be provided unless scope Alternative 1 is also provided**

Part 1 – Procurement Schedule

RFP Questions to VDOT	02/20/2019 (4:00 PM)
VDOT Response to Questions	02/26/2019
Letter of Submittal & Price Proposals Due	03/15/2019 (4:00 PM)
Open Price Proposals	03/19/2019 (9:00 AM)
CTB Approval/Notice of Award	04/10/2019
Contract Execution	04/16/2019
Notice to Proceed	04/17/2019
Interim Milestone	08/02/2019
Final Completion	09/30/2019

Part 1 - Offeror's Pre-Submittal Responsibilities

- **Examining RFP Documents**
- **Visiting the Project Site**
- **Offeror's are not permitted to access VDOT right of way and private property within corridor other than to observe conditions of the site**
- **Coordinating with affected Utility Owners and third parties**
- **Becoming familiar with all laws and regulations**
- **Determining sufficiency of RFP Documents**
- **Notifying VDOT of all RFP conflicts, errors, ambiguities or discrepancies**

Part 1 - Deviations from RFP

- **No deviations from the requirements of the RFP Documents will be valid unless they are set forth in an Addendum prior to receipt of the Offeror's Letter of Submittal.**

Upcoming RFP Addendum No. 1

- **Anticipated Release – February 19, 2019**
- **Critical Items Addressed in Addendum No. 1**
 - **Updated List of Special Provisions**
 - **Final Geotechnical Engineering Report (GER)**
 - **Updated Survey Files**
 - **RW & Utilities**
 - **VDOT to acquire TCE for Entrance #3**
 - **Reduced timeframes for Preliminary Utility Status Report (from within 120 days to 45 days after NTP) and meeting with VDOT DB Coordinator (from within 45 days to 30 days after NTP)**

Part 1 - Contents of Proposals

Offerors to Submit:

- **Letter of Submittal and Attachments**

- Lead Contractor Work History Forms
 - Three (3) primary arterial roadway projects with a minimum construction value of \$3M that achieved on-time or early contract completion
- Lead Designer Work History Forms
 - Three (3) primary arterial roadway projects with a minimum construction value of \$3M

- **Price Proposal**

- Cost breakdown summary in whole numbers for the Base Scope and Scope Alternatives and the Proposal Price, in both numbers and words, which is the sum of Base Scope and Scope Alternatives provided

Part 1 - Evaluation Process

- **VDOT will only consider Price Proposals that do not exceed VDOT's maximum contract value**
- **A Price Proposal that exceeds the maximum contract value will render an Offeror's Proposal non-responsive**
- **Successful Offeror is the Offeror who:**
 - a) submits a responsive Proposal**
 - b) offers the most Scope Alternatives (in sequential order)**

and, in the event that another Offeror offers the same number of Scope Alternatives

- c) has the lowest Proposal Price**

Part 1- Miscellaneous

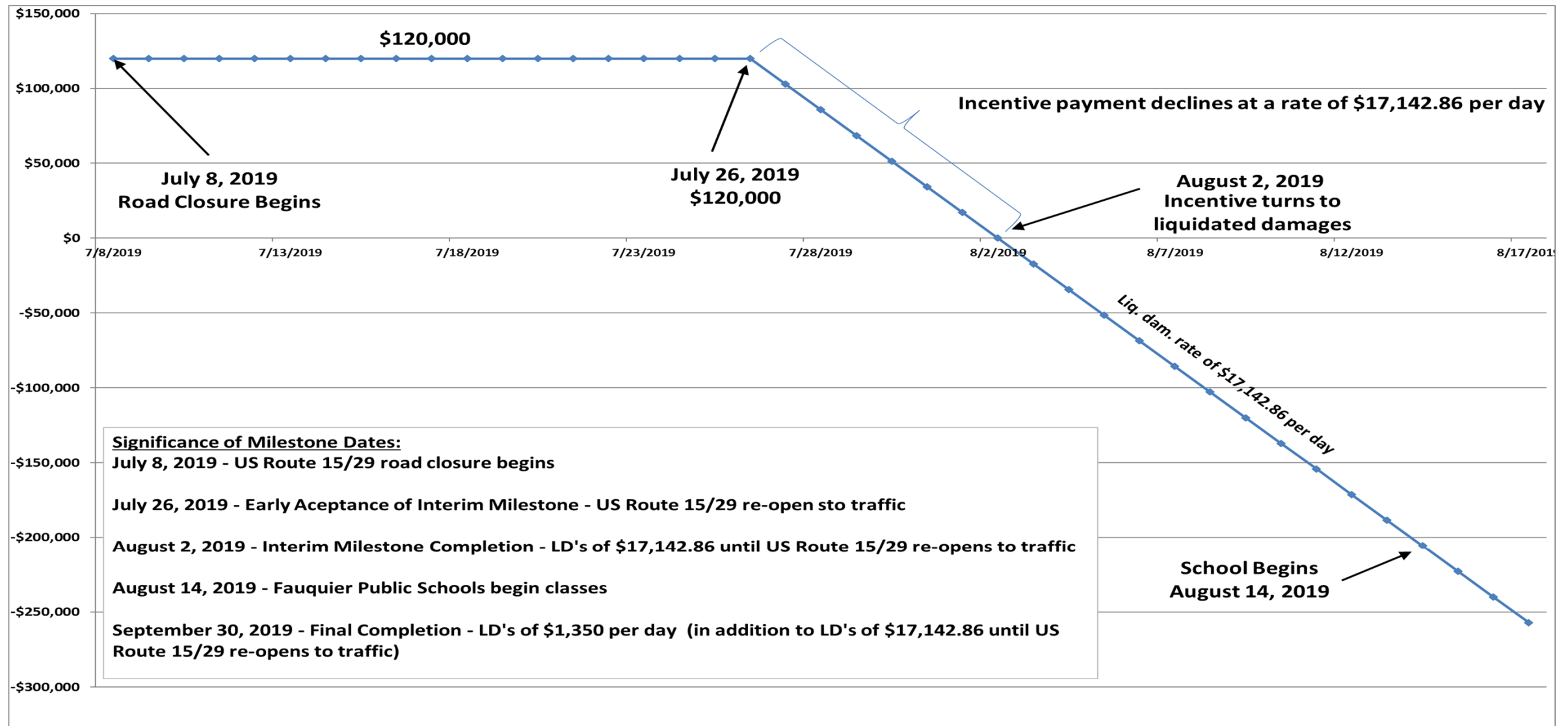
- **All proposals are subject to the Virginia Freedom of Information Act**
- **Each Offeror and all team members must identify potential conflicts of interest**
 - **Schnabel Engineering, Inc.**
 - **DMY Engineering Consultants, Inc.**
 - **Rice Associates**
 - **Accumark**
 - **Geomni**
 - **Reynolds, Smith and Hills, Inc. (RS&H)**
- **Requirement to Keep Team Intact**
- **DBE Goal is 15%**
- **On-the-job Trainee Goal is three (3) individuals**

Part 3 - Lump Sum Agreement

Exhibit 1 to Part 3 – Project Specific Terms

- **Interim Milestone and Final Completion Dates**
- **Liquidated Damages**
- **Contract Price**
- **Price & Adjustments (asphalt, fuel, steel)**
- **Baseline Schedule**
 - **Shall be submitted within 30 days of NTP**

Attachment to Part 3 Article 5 – “No Excuse” Incentive



Part 4- General Conditions of Contract

The following contract provisions do not apply for the project

- **Section 2.2 - Scope Validation**
- **Section 3.2 – Furnishing of Services and Information**
- **Section 4.2.2 – Inspection of Site Conditions**
- **Section 4.3 – Differing Site Conditions**

QUESTIONS ??

