VTCA CULPEPER/FREDERICKSBURG DISTRICT DIALOGUE
WARRENTON SOUTHERN INTERCHANGE US 15/17/29

Will Stowe, P.E., Culpeper Area Construction Engineer
March 19, 2019
Agenda

• Project Overview
• Journey Through Hallowed Ground
• Alternative Technical Concepts
• Plan Grid
• Current and Upcoming Construction Activities
Project Overview

- **Two Phase Design-Build Procurement Method**
- **Location**
  - Fauquier County, Virginia
- **Project**
  - Constructing a grade-separated interchange where U.S. Route 15/17/29 intersects Business U.S. Route 15/17/29 to the west and Lord Fairfax Drive (Route 808) to the east.
Project Overview

Existing Condition ↓

Planned Interchange ↑

• Significantly reduce the number of rear end collisions
• Increase overall safety
• Improve capacity & reduce congestion
• Interconnect multiple roadway types by way of one interchange
• Provide parking for commuter traffic
Project Budget/Schedule

- **Total Budget**: $26,930,540.00
- **Contract Value**: $19,586,838.00
  - **Base Scope**: $19,383,818.00
  - **Option 1 (Construct SUP)**: $101,250.00
  - **Option 2 (Mill & Overlay Mainline)**: $101,770.00
- **Contract Execution**: March 7, 2018
- **Notice to Proceed**: March 26, 2018
- **Milestone - Remove Existing Signal**: July 1, 2020
- **Final Completion**: November 25, 2020
Journey Through Hallowed Ground
Journey Through Hallowed Ground
Alternative Technical Concepts

• Proprietary Meeting #1 utilized to discuss general issues and questions related to the project including any potential ATCs the Offeror is considering.
• Proprietary Meeting #2 utilized for the Offeror to provide a presentation of the ATCs the Offeror plans to submit as a formal ATCs.
• Formal submission of ATCs
Alternative Technical Concepts

- Roundabout shifted farther to the Southeast
- Ramp to NB Bypass relocated to eliminate a retaining wall adjacent to Turkey Run residents
Alternative Technical Concepts

- 20 Space Park and Ride relocated within VDOT right-of-way eliminating the need to acquire property for the lot
- Elected to purchase nutrient credits; eliminated all SWM quality facilities
PlanGrid

REPORT INFORMATION

Date Mar 11, 2019
Description Copied from Mar 7, 2019
Submitted by Jason S.
Submitted on Mar 12, 2019 at 8:43 AM

WEATHER

Partly Cloudy
High 62°F  Low 44°F
Wind 4 mph, E
Humidity 37%
Precipitation

Powered by Dark Sky

REFERENCES

Photos

Untitled Mar 11, 2019
Untitled Mar 11, 2019
Untitled Mar 11, 2019
Untitled Mar 11, 2019
Untitled Mar 11, 2019

Inspector's Daily Report

Date: 03/11/19  Contract No.: C00077384DB100
Project Name: Warrenton St
Inspector: Jason Settle  Hours Worked From: 8:00 AM To: 4:30 PM

Overview of Work Performed on This Date:

General Notes

Maintenance of Traffic
Activity GA1980 Initial MOT devices/Construction Signage
Shirley has a crew on site working on the installation of MOT signs.
Shirley utilizing a shadow vehicle on Rte 29 right shoulder for check dam installation.
Discussed this operation with QA Inspector, Mistafa, over the phone. Told QA that I did not observe any shoulder closure signs and the shadow vehicle was a utility truck and it should have been a TMA for the shoulder of Rte 29 N.
An existing sign at the intersection of Lord Fairfax Rd and Rte 29 N has been knocked down however the traffic signal mast arm has the same sign posted. No TMA on red.

Environmental/Erosion and Sediment Control
Activity G1A3020 Install Perimeter erosion controls east of US 15/17
Shirley working on installing check dams at various locations for phase 1 of environmental controls.
Upcoming Subcontracting Opportunities

• Landscaping – 70,000 SF

• Pavement Markings
  • Permanent – 34,497 LF
  • Temporary – 103,131 LF
  • Eradication – 34,377 LF

• Pedestrian Fencing

• Underdrain
Major Planned Quantities

- Regular Excavation – 122,700 CY
- Drainage Pipe – 2,440 LF
- Drainage Structures – 88 EA
- Asphalt – 22,890 TN
- Flexible Planing – 11,500 SF
- Guardrail – 6,025 LF
- Median Barrier – 2,450 LF
- Bridge Deck – 760 SY
For More Information About Warrenton Southern Interchange Project:

http://www.virginiadot.org/projects/culpeper/warrentoninterchange.asp

Or Google: “Warrenton Southern Interchange”