



**I.T.S. PLAN ALONG I-95  
INSTALL FIBER OPTIC LINE  
PROJECT SHOWING**

Tuesday, June 18, 2013, 1:30pm  
Ashland Residency Conference Room

**PROJECT SHOWING AGENDA**

**I. Welcome**

A. Sign In Sheet; Non-Disclosure Agreement

- Susan Warr brought the meeting to order at 1:40 PM as interested parties arrived to the showing. All attendees were included on the sign-in sheet. Non-VDOT attendees, except for the designers, were asked to also complete a non-disclosure form. Afterwards she introduced the VDOT members working on the project and all introductions were done.

B. Project Information

**Route Number: I-95**  
**Order Number: C73**  
**Contract ID: C00104024M01**  
**FHWA Number: NH-TS04-(250)**  
**Project Number: (NFO) 0095-127-838, C501**  
**County: City of Richmond**  
**Bids Due: June 26, 2013**  
**Fixed Completion Date July 30, 2014**

C. Introduction of Project Team

- VDOT
  - a) Keith Rider, P.E., Area Construction Engineer
  - b) Susan Warr, P.E., Construction Manager
  - c) Rob Alexander, P.E., Regional Operations Director
  - d) Al Bryan, CLA, Landscape Architect
  - e) Donnie Smith, Central Region Traffic Operations
- Consultants – AECOM, design engineer of record

**II. VDOT Overview**

A. Details of Showing – showing is NOT mandatory. Again, Susan did say this is a non-mandatory meeting

B. Critical Infrastructure Information/Sensitive Security Information (CII/SSI)

- Signed form required of today's attendees
- Signed form & background check required for all workers.
- Workers will be issued VDOT photo-ID badges.

C. Purpose of Project



- To expand fiber optic wire north of the James River Bridge to the 76 mile marker along I-95. Expands the existing fiber optic system to the TOC (Traffic Operations Center) in Chester.
- D. Applicable specs & standards:
- 2011 VaWAPM
  - 2007 Road & Bridge Specifications
  - 2008 Road & Bridge Standards
  - 2009 MUTCD w/2011 Virginia supplement
  - Special Provisions & Copied Notes in the contract.
- E. Federal Predetermined Wage Rates apply.
- F. DBE Requirement = 1%
- G. Fixed Completion Date: July 30, 2014

### III. Scope of Work; Plans & Contract Discussion

A. *Robert Alexander, P.E., Regional Operations Director*

- Project overview & intent.
- To expand fiber optic wire north of the James River Bridge to the 76 mile marker along I-95.

B. *I-95 Bridges Project: Eric Thornton.*

- Potential work zone conflicts between projects. Communication will be key with the installment when getting close to the ongoing Archer Western I-95 bridge project which has priority.
- Anticipated I-95 bridge schedule.
- Looking at completing the SB Lombardy St Bridge by mid September 2013. Then moving to Upham Brook about MM84. If the fiber optic contractor starts at the James River Bridge, work zone conflicts should be avoided.
- Currently, tapers begin about 5,000 ft. from the Lombardy St Bridge.
- Emphasized that the I-95 bridges project has priority for work zones.

C. *Landscaping Project: Al Bryan, CLA*

- Potential for overlapping work areas.
- Landscaping work should not begin until October. Conflicting work zones should be avoided if the I-95 bridges project has moved to another location.
- Landscape Restoration (pay item)
- Rider asked if the fiber optic contractor would be responsible for replacing the disturbed landscaped areas (all of the plants, shrubs, etc) - answer = yes.
- There are 3 upcoming landscape projects that may cause some conflict with the project and they are 1. Broad Street Interchange, 2. The I-95/I-64 Interchange and Nine Mile Road. Only the first 2 mentioned are going to be of concern to this project. The fixed completion date is fall 2014 for these landscape projects.
- Fiber optic contractor would also be responsible for the establishment period of any plants they install.

- It is hoped that disturbance of landscaping can be avoided by slightly altering the path of the fiber optic installation.

**D. Project Plans & Contract Presentation - AECOM**

- Bridge design – Jay Utz
- Project design – Richard Leininger
  - Railway access areas
- Rider asked question was asked about RR permits answer: Norfolk Southern is in and the one for CSX is still out. Rider said we need to check on the status of that permit with CSX being in Jacksonville, Fla. we don't want the project to start and not have the RR permit, also we need to see about the inspection phase and schedule from them.
- **Update on 6/19/2013** – permits with CSX and Norfolk Southern have been obtained. VDOT pays for the R/R flagger when used. Contractor will need to get insurance with both rail companies; VDOT has already paid other fees.
  - Special Provisions
    - Use of Domestic Material
    - Category II Schedule – baseline schedule with monthly updates required.
    - ITS General Requirements – transition to new fiber optic lines, acceptance testing.
  - New fiber will be inspected by VDOT / consultant will be someone with fiber optics experience.
    - Verify Existing Utility Locations (Test Holes)
  - I.T.S. Communication Hub Shelter
    - Lump Sum pay item
  - The New location for the Hub Shelter will be 5<sup>th</sup> street interchange, not 7<sup>th</sup> Street area.
  - **New site will require a City of Richmond permit that contractor will need to obtain.**
  - Added items related to the new location will be paid as post-award changes to the contract (i.e. CG-9 entrance, curb & gutter, gravel for driveway, sidewalk).
    - Relocation of shelter & generator
  - Includes picking up the shelter & generator at Richmond District office, moving to its new site, constructing the building pad, and installation as called for in the Spec. Provision.
    - Acceptance Testing – included in Special Provision.

**IV. Question and Answer**

- There was a question pertaining the work times / lane closures for this project, the answer was 9:30 pm to 5:30 am Sunday – Thursday nights, as stated in the plans/proposal. A lane closure will likely be needed for all work since the shoulders are very narrow, especially on the bridge.
- Are there any “lay down” or staging areas for this project? Answer - there are some possibilities that are not along the interstate.



- There is a special revision in the contract for the railroad flagging and who is providing the inspection for the Railroad.


#### **V. Site Visit**

- A site visit was offered to meeting attendees. Visiting the new location for the hub shelter was rescinded due to safety concerns regarding the number of vehicles involved.
- Interested attendees did meet at Main St Station under the bridge to observe the site. Jay Utz identified the correct bay where the cable will be installed.
- Adjourned from the site at 3:30pm.

#### **VI. Adjournment**

2:35 pm

VDOT Project #: 0095-127-838, C501  
 UPC: 104024  
 ITS Plan Along I-95



**Pre-Bid Project Showing**

Susan Warr, P.E.  
 VDOT Northern Region Construction Manager

Kamal Munawar, P.E.  
 Project Manager

June 18, 2013

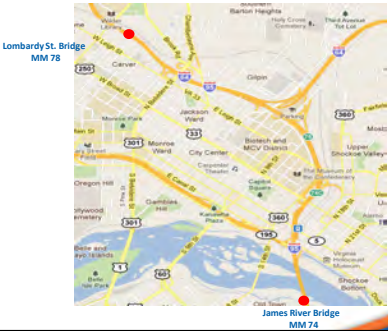
VDOT Project #: 0095-127-838, C501  
 UPC: 104024  
 ITS Plan Along I-95

**Project Purpose**

- To install DOT fiber optic communications along I-95 from the south abutment of the James River Bridge to the Lombardy Street Bridge.
- To provide communication infrastructure for existing and new ITS devices. This project will provide a fast and reliable communications network for the TOC to communicate with field devices.

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**Project Limits (Approx. 4 miles)**

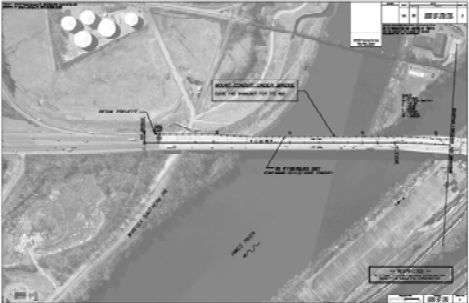


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- All work shall be performed within VDOT Right-of-Way. No Right-of-Way or Easements are required or have been obtained for the construction of this project.
- Permits have been obtained from CSX and Norfolk Southern Railways.

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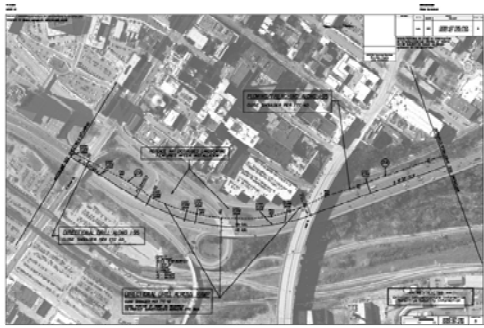
**Project Starts at the South Abutment of the James River Bridge.**



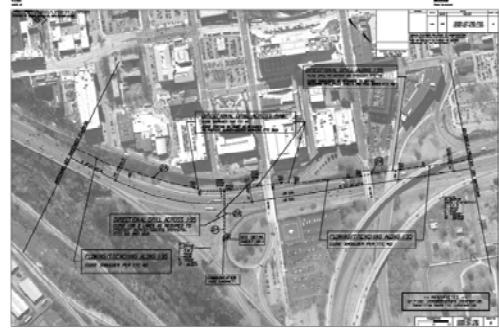
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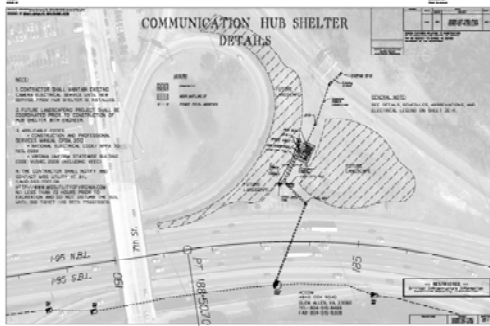
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ITS Plan Along I-95



VDOT Project #: 0095-127-838, C501  
UPC: 104024  
ITS Plan Along I-95



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UPC: 104024  
ITS Plan Along I-95



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ITS Plan Along I-95

### New Communications Hub Shelter Location

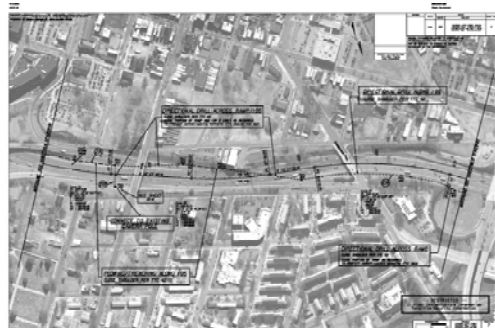


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- An Addendum to the plans for the Communications Hub Shelter relocation design will be issued after award of the contract.

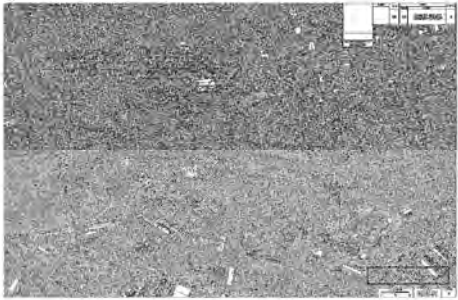


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Project Ends approximately 1100ft. South of the Lombardy Street  
Bridge at the existing camera.



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ITS Plan Along I-95

## Questions



**Fiber Optic Install along I-95**  
Pre-Bid Project Showing: 0095-127-838,C501  
UPC #104024

**Comments to Accompany PowerPoint Presentation**  
June 18, 2013

Slide 1: introduction

Slide 2: project purpose

Slide 3: project limits. From south end of James River Bridge, to about 1100-ft south of Lombardy St.

Slide 4: Right-of-way. Railway agreement has been obtained from Norfolk Southern; not yet from CSX.

Slide 5: plan sheet 3. Cable is placed on west side of bridge.

Slide 6: plan sheet 4. Cable continues on west side of bridge to the north abutment. Directional drilling is used under all ramps and bridges.

Slide 7: plan sheet 5. Cable continues on west side of I-95 in the southbound (SBL) lane shoulder.

Slide 8: plan sheet 6. Location for the Communication Hub Cabinet has been changed from 7<sup>th</sup> Street to 5<sup>th</sup> Street. Directional drilling under I-95 as shown on this sheet is no longer needed.

Slide 9: original location for Communication Hub Shelter.

Slide 10: revised location for Communication Hub Shelter.

Slide 11: Plan revision to be issued post-award. See meeting minutes for discussion of this item.

Slide 12: plan sheet 7. Cable is drilled under I-95 to the northbound (NBL) lane shoulder; too many obstacles to continue in the SBL shoulder.

Slide 13: plan sheet 8. Cable returns to SBL shoulder. Project ends about 1100-ft south of Lombardy St. at the last camera location prior to Lombardy St.

Slide 14: end.



COMMONWEALTH OF VIRGINIA





DEPARTMENT OF TRANSPORTATION

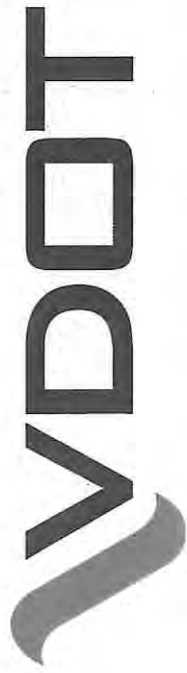
PROJECT SHOWING ATTENDANCE SHEET – FIBER OPTIN LINE ALONG I-95

ROUTE NUMBER: 95  
FHWA NUMBER: NH-TS04(250)  
PROJECT NUMBER: 0095-127-838.C501

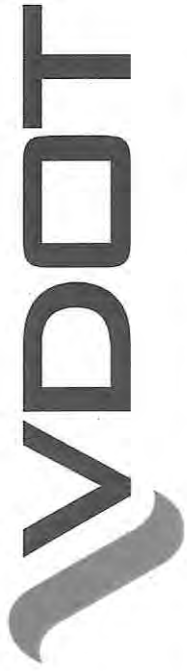
AREA CONSTRUCTION ENGINEER: Keith Rider, P.E.  
LOCATION: Ashland Residency Land Dev. Conf. Room  
DATE: 6/18/2013  
TIME: 1:30 PM

COUNTY: City of Richmond

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<del>Al Bryan, CLA</del>			



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