



A DESIGN-BUILD PROJECT



TECHNICAL PROPOSAL

## Odd Fellows Road Interchange at US Route 29/460 and Road Improvements along US Route 29/460

From: 0.6 Miles East of Candler Mountain Road (Route 501 North)  
To: 0.5 Miles West of Campbell Avenue (Business Route 460/501)  
And Along Odd Fellows Road From: Top Ridge Road (Frontage Route 794)  
To: Lynchburg Expressway (Business Route 29/501)  
City of Lynchburg, Virginia

State Project No.: 9999-118-240, R201, C501, B628

Federal Project No.: NH-5118(209) | Contract ID Number: C00105515DB78

Submitted to: **Virginia Department of Transportation**

Submitted by: **W.C. English, Inc.**

In association with: **Parsons Brinckerhoff, Inc.**

Odd Fellows Rd



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P. O. Box P-7000, Lynchburg, Virginia 24505  
Tel: (434) 845-0301 Fax: (434) 845-0306

December 11, 2014

*Kevin Reichert, P.E.  
Alternate Project Delivery Office  
Virginia Department of Transportation  
1401 East Broad Street  
Annex Building, 8<sup>th</sup> Floor  
Richmond, VA 23219*

Re: **Technical Proposal Letter of Submittal** – Odd Fellows Road Interchange at US Route 29/460 and Road Improvements, City of Lynchburg, Virginia

Dear Mr. Reichert:

The new interchange with Odd Fellows Road and US Route 29/460 will not only provide additional capacity and direct access to the City of Lynchburg's First Industrial Park, but it will create significant improvements to other related corridors and intersections throughout the area. In the long term, these improvements will provide easier access and enhance economic development throughout the corridor.

**W. C. English, Incorporated (English)** has assembled a team of experienced firms and personnel who are focused on providing the Department with not only the best price for this project, but also an unsurpassed quality. English, along with many of our team participants, are members of the Lynchburg community and are committed to making this a successful and useful project for both the City of Lynchburg and Campbell County. In addition, we have identified regional firms and personnel who bring similar experience and knowledge to the team. I am confident our SOQ presents a team of unmatched experience and accomplishment for which English is long recognized.

Our design and engineering partner for this project is **Parsons Brinckerhoff**. Other team members include **ECS Mid-Atlantic, LLC**, (QA testing; environmental permitting); **NXL Construction Services, Inc.** (construction QC testing); **Pulsar Advertising, Inc.** (public involvement); **Stantec Consulting Services, Inc.**, **Appraisal Review Specialists, LLC** and **Crider, Bouye, Elliott** (VDOT-prequalified right-of-way manager, fee appraiser and review specialist); and **Thompson & Litton** (survey).

**As requested in section 4.1 of the RFP, the English team offers the following information:**

**4.1.2.1** If selected, English will enter into a contract with VDOT for the Project in accordance with the terms of the RFP.

**4.1.2.2** English confirms that our offer will remain in full force and effect for one hundred twenty (120) days after the date the Letter of Submittal and Attachments are actually submitted to VDOT.

4.1.2.3, 4.1.2.4 Wilson L. Dickerson, Jr., P.E. (Senior Vice President) is the *principal officer* of W.C. English, Incorporated the legal entity with whom a design-build contract with VDOT will be written. Mr. Dickerson will serve as the *authorized representative* and *point of contact* for the English team relative to this proposal, and he will serve as the offeror's representative. His contact information is shown to the right.

*W. C. English, Incorporated*  
615 Church Street  
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4.1.2.5 English will deliver this project by August 3, 2018, as required per RFP Section 2.3.1.

4.1.2.6 English is fully committed to meeting and/or exceeding the 3% DBE participation goal for the entire value of the contract. Our team already includes the following subconsultants to help fulfill this goal: **NXL Construction Services, Inc. (DBE 626437); and Pulsar Advertising, Inc. (DBE 005622).**

4.1.3 See Attachment 4.1.3 in the Appendices.

4.1.4 See Attachments 11.8.6(a) and 11.8.6(b) in the Appendices.

Our team is 100% committed to delivering a successful quality project to VDOT on-time and on-budget. We appreciate the opportunity to submit our qualifications to you and look forward to being selected for this design-build contract. If you have any questions or need further information, please contact me.

Respectfully submitted,

W. C. English, Incorporated



Wilson L. Dickerson, Jr., P.E.  
Senior Vice President

Odd Fellows Rd

Odd Fellows Rd

#### 4.2.1 | SOQ CONFIRMATION

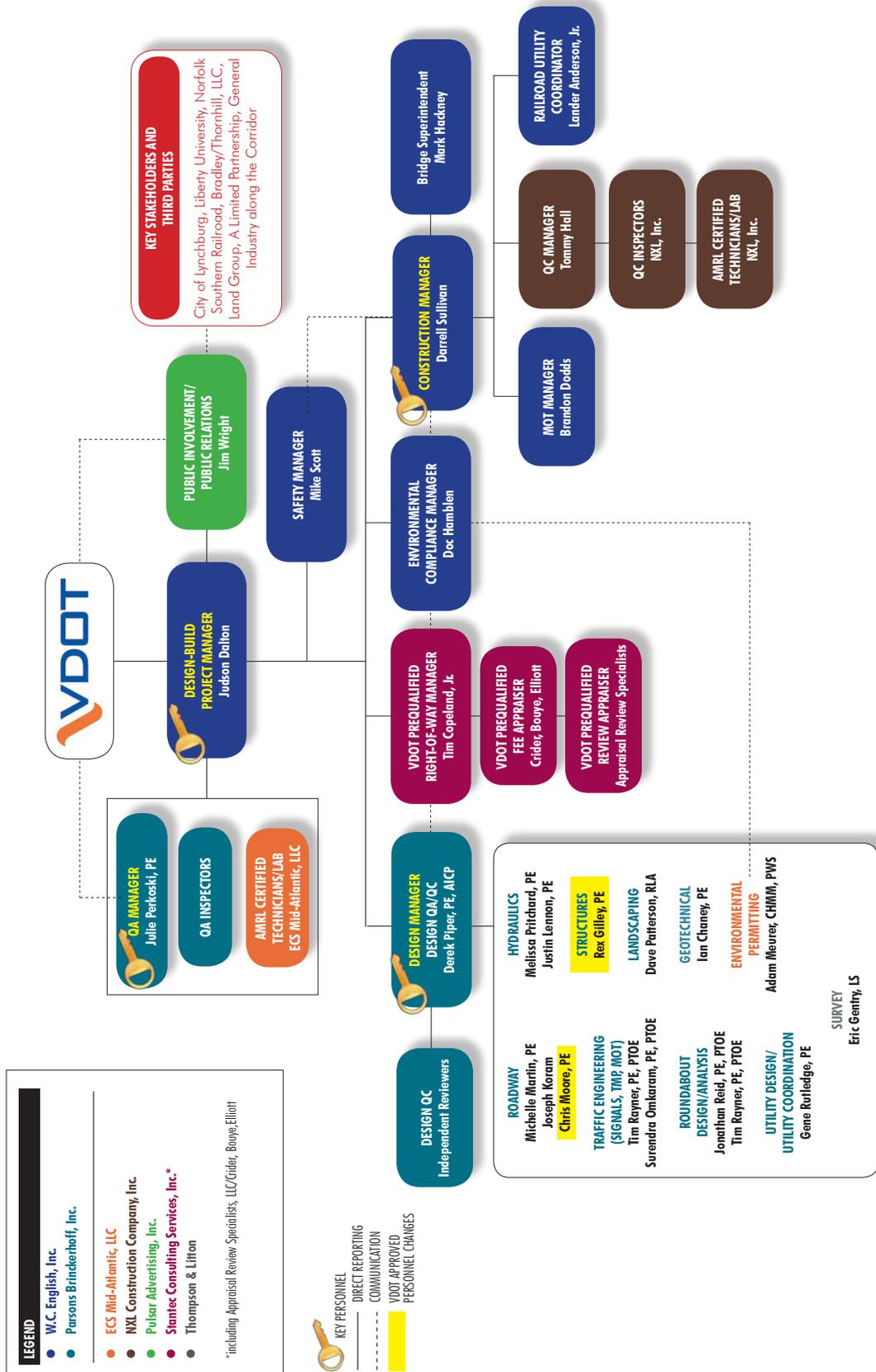
Per VDOT's approval, two changes have been made to the Organizational Chart from that submitted in the SOQ:

- Chris Moore, PE added to the Roadway discipline
- Structural Discipline/Rex Gilley, PE added

All other information contained in the SOQ remains true and accurate.



Odd Fellows Rd



**LEGEND**

- W.C. English, Inc.
- Parsons Brinckerhoff, Inc.
- ECS Mid-Atlantic, LLC
- NXL Construction Company, Inc.
- Pulsar Advertising, Inc.
- Stantec Consulting Services, Inc.\*
- Thompson & Litton

\*including Appraisal Review Specialists, LLC (Crider, Bouye, Elliott)

**KEY PERSONNEL**

- DIRECT REPORTING
- - - COMMUNICATION
- VDOT APPROVED PERSONNEL CHANGES

**4.2.2 | ORGANIZATIONAL CHART AND KEY PERSONNEL**

The English team is structured to provide VDOT with a single point of contact, the Design-Build Project Manager (DBPM), Judson Dalton, who will be responsible for all design and construction activities and the overall management of a well-integrated team. *Our reporting and functional relationships are described below and delineated on the Organizational Chart on the previous page.* The English team organization has a straight-forward chain of command, with individual tasks, responsibilities, and functional relationships clearly identified. Further, a distinct separation is shown between construction and QA; including the separation between the respective QA and QC inspection and field/AMRL-certified laboratory testing facilities in accordance with the *Minimum Requirements for Quality Assurance and Quality Control on Design Build and P3 Projects, January 2012.* The Organizational Chart depicts VDOT and third parties, stakeholders, key personnel, support personnel, and their relationships and functions.

As approved by VDOT, the Organizational Chart has been modified to include the addition of a Structures discipline which will be led by Mr. Rex Gilley, PE, as well as supplementing the “Roadway” discipline with Mr. Christopher Moore, PE. Both Mr. Gilley and Mr. Moore are Virginia-licensed Professional Engineers with extensive experience in their respective disciplines.

**Functional Relationships and Communication among Participants, including Design and Construction Team Interaction throughout the project.** The English team ascribes to the DBIA paradigm that “integrated development of the design and construction program is the cornerstone of DB delivery, and this methodology optimizes opportunities for collective excellence.” DB delivery carries with it a united team responsibility to gain a full understanding of the owner’s intentions and the factors that will drive value into the process and outcome. Put into practice, English’s DBPM, CM and construction personnel will interface with design counterparts from Parsons Brinckerhoff and Stantec’s right-of-way manager throughout the entire design and construction phases.

**Design–Construction Interface.** The English team’s extensive DB experience has shown that a *Task Force approach* during the design stage and throughout project execution is critical to ensuring a successful project. Led by the DBPM, these regular, open forums of discussion among team members and VDOT to address respective project elements serve to clearly define project criteria, ensure VDOT’s intentions are being met, address corridor-wide constructability issues, and provide consistency in design before becoming schedule-critical. Through this approach, we create a firm relationship that sets the foundation to interact and partner with VDOT and third-party stakeholders, streamline reviews, eliminate potential construction field issues, and deliver the project safely, on time, and within budget.

Role	Design/Construction Interface
<p><b>Design-Build Project Manager</b> (DBPM) <b>Judson Dalton</b> <b>Reports to VDOT</b></p>	<ul style="list-style-type: none"> <li>- DB Team point of contact to VDOT.</li> <li>- Responsible for project design, permitting, R/W acquisition, utility relocation, construction, quality management and contract administration.</li> <li>- Directs DM, CM, and QAM</li> <li>- Chairs and manages the project Task Forces.</li> <li>- Responsible for overall project safety—design and construction.</li> </ul>
<p><b>Quality Assurance Manager</b> (QAM) <b>Julie Perkoski, PE</b> <b>Reports to DBPM</b></p>	<ul style="list-style-type: none"> <li>- Independent from all construction operations.</li> <li>- Coordinates with the Design QA for DQMP compliance.</li> <li>- Interacts directly with the DBPM.</li> <li>- Authority to stop work on the project due to poor quality.</li> </ul>
<p><b>Design Manager</b> (DM) <b>Derek Piper, PE, AICP</b> <b>Reports to DBPM</b></p>	<ul style="list-style-type: none"> <li>- Directs and coordinates the integration of design disciplines.</li> <li>- Responsible for the design schedule and overall design quality.</li> <li>- Through DBPM, coordinates with VDOT’s design review team.</li> <li>- Communicates with CM.</li> <li>- Collaborates with the R/W Manager during design development</li> </ul>
<p><b>Construction Manager</b> (CM) <b>Darrell Sullivan</b> <b>Reports to DBPM</b></p>	<ul style="list-style-type: none"> <li>- Coordinates with DM during design for constructability issues.</li> <li>- Manages and supervises all self-performed activities, MOT, E&amp;S installation and maintenance, and all subcontractors.</li> <li>- Responsible for construction-related field issues.</li> </ul>



Odd Fellows Rd

**4.2.3 | CONCEPTUAL ROADWAY PLANS**

**INTRODUCTION**

The Odd Fellows Road Interchange and Road Improvements Project (the Project) represents the culmination of years of planning and design development to create a new interchange on US 29/460 at Odd Fellows Road. The new interchange and related improvements to Odd Fellows Road will provide the City with improved access to the adjacent industrial park, Lynchburg Expressway (US 29 Business) and downtown Lynchburg. The improvements to Odd Fellows Road to create a gateway corridor were documented in a Master Plan completed by the City in 2013.

The English/Parsons Brinckerhoff Team has been closely pursuing this project for nearly two years. As such, we are very familiar with specific elements of the project, the on-going collaborations with Liberty University, and the City’s plans to re-shape Odd Fellows Road into a gateway corridor as a primary access. English has deep roots in the City of Lynchburg with a strong desire to provide VDOT with a Design/Build team that can meet the specific challenges of the Project. In developing this Technical Proposal, the English/Parsons Brinckerhoff Team evaluated various alternative concepts in an effort to:

- Ensure a safe and efficient construction work zone, for both the traveling public and construction staff
- Minimize traffic impacts during construction
- Exceed VDOT requirements for scope of work, quality, and schedule
- Reduce initial construction cost and the duration of construction
- Maintain access for existing businesses within the corridor

The English/Parsons Brinckerhoff Team reviewed the RFP Conceptual Plans in detail. For Segment A, the plans were fairly well developed with a solid design that didn’t require significant modification. As discussed in the Proprietary Meeting, we evaluated various alternatives to reduce stream/wetland impacts in the interchange area, including lengthening the bridge over US 29/460 and using MSE walls. After a detailed analysis, we settled on modifying vertical geometry of both Odd Fellows Road and the ramps, in an effort to reduce the quantity of fill material and the limits of disturbance.

For Segment B1, the RFP Conceptual Plans provided by VDOT were not nearly as developed as Segment A. Again, we modified vertical geometry, primarily to take advantage of the design exceptions/waivers noted in the RFP. For Segment B1, we have included the sidewalk and shared use path on the Conceptual Roadway Plans; however, including these elements will be determined based on acceptance of the final scope alternative noted in the Price Proposal. Further, we had modified the location of the roundabout at Mayflower Drive to minimize impacts to adjacent properties. Upon receiving the RFP Addendum, we had to significantly modify our original design for the roundabout to fit the improvements within the proposed Right-of-Way lines provided by VDOT, as shown within the Conceptual Roadway Plans included under separate attachment. During final design, we do intend to further explore modifications to the roundabout layout to best comply with NCHRP Report 672, Roundabouts: An Informational Guide, Second Edition. Modifications could involve shifting the location of the roundabout to accommodate the existing profile of Mayflower Drive, but within the Right-of-Way lines presented on the RFP Plans, prior to Addendum No. 1.

As we developed the Conceptual Design Plans and prepared the Project Schedule and sequence of work, several concepts developed by our team clearly resulted in improvements, enhancements, less initial cost, and benefits to the public and affected property owners. Modifications to the RFP Plans are described below and presented on the Conceptual Roadway Plans in a separate volume and include the following:

#### Segment A

1. Modified the alignment of Odd Fellows Road
2. Modified the profile of Odd Fellows Road in the interchange area
3. Modified the profiles for Ramps A, B, C, and D.
4. Revised Ramp C stationing to begin at Station 10+00 at Odd Fellows Road intersection
5. Revised Ramp D stationing to begin at Station 10+00 along Route 29/460
6. Modified the location and layout of stormwater management facilities

#### Segment B1

1. Modified the alignment of Odd Fellows Road
2. Revised the Odd Fellows Road stationing to continue “up station” from Segment A
3. Extended Mayflower Drive construction limits to allow for the profile tie-in and roundabout design/construction to meet VDOT requirements

In summary, the concept design presented on the Conceptual Roadway Plans prepared by the English/Parsons Brinckerhoff Team meets or exceeds the design criteria noted in the Technical Requirements, Attachment 2.2. Variations from the Geometric Design Criteria are limited to the design exceptions/waivers noted in Section 2.1.3 of the Technical Requirements. The limits of construction, including all stormwater management facilities, are within the existing/proposed Right-of-Way limits shown in the RFP Plans, with the exception of permanent and temporary easements.

#### **4.2.3.1 | CONCEPTUAL ROADWAY PLANS**

**The Conceptual Roadway Plans are included in a separate volume.** As required per RFP Part 1, Section 4.2.3, the Conceptual Roadway Plans include plans indicating general geometry including the number and width of lanes; horizontal alignments; typical sections of the roadway segments to include sidewalks, shared use path, retaining walls, and bridge structures; conceptual hydraulic and stormwater management design; proposed Right-of-Way limits (no differences in Right-of-Way are proposed from VDOT’s RFP Conceptual Right-of-Way limits); and, other key Project features. Please note that the maximum grade for all segments and connectors is presented as a table within this document. Proposed utility impacts are also presented in a table within this document. Finally, we have not included easements for utilities, drainage, and construction, on the Conceptual Roadway Plans, as these will be fully developed during final design.

#### GENERAL GEOMETRY, HORIZONTAL ALIGNMENT, AND TYPICAL SECTIONS

US 29/460 – Improvements to US 29/460 are limited to the construction of auxiliary lanes along the existing eastbound and westbound alignment for connecting ramps, the construction of a bridge pier in

the median, replacement of existing signs impacted by the Project, installation of new signs required for the new interchange, and pavement markings. Auxiliary lanes will be designed to meet the GS-5 geometric design criteria for 70 mph with rolling terrain. Auxiliary lanes will be a minimum of 12 feet wide, then transition to 16 feet for each ramp. Shoulder widths will vary between 14 and 17 feet (depending on cut vs. fill and the need for guardrail), with the paved portion of 12 feet.

Ramps A, B, C, and D – The ramps will be designed to meet the GS-R geometric design criteria for 35 mph minimum with rolling terrain. The ramp pavement width will be 16 feet, while shoulder and paved shoulder widths will vary depending on the need for guardrail.

Odd Fellows Road – Improvements to Odd Fellows Road will be designed to meet GS-6 geometric design criteria for 35 mph with rolling terrain. The typical section for Odd Fellows Road varies through the length of the Project, from a three-lane section with and without a median, to a four-lane section with a concrete median for the bridge over US 29/460, all with minimum 12-foot lanes and VDOT standard CG-6 curb on the outside and VDOT CG-2 median curb, where indicated. The Conceptual Design was developed to accommodate a 10-foot wide shared use path and a 5-foot sidewalk.

Mayflower Drive – Improvements to Mayflower Drive to accommodate the new roundabout will be designed to meet GS-6 geometric design criteria for 35 mph with rolling terrain. The typical section for Mayflower Drive includes 12-foot minimum travel lanes and VDOT standard CG-6 curb on the outside and was developed to accommodate future sidewalks.

Top Ridge Road – Improvements to Top Ridge Road to accommodate the new roundabout will be designed to meet GS-8 geometric design criteria for 30 mph with rolling terrain. The typical section for Top Ridge Road includes 13-foot minimum travel lanes and VDOT standard CG-6 curb on the outside and was developed to accommodate future sidewalks.

Segment/Connector	Maximum Grade
Route 29/460	3.41%
Ramp A	2.59%
Ramp B	5.98%
Ramp C	6.00%
Ramp D	5.76%
Odd Fellows Road (Segment A)	8.00%
Odd Fellows Road (Segment B1)	9.86%*
Mayflower Drive	7.32%
Top Ridge Road	9.25%

\*Permitted at one location, per Design Exception No. 2

**MAXIMUM GRADES**

The maximum grades anticipated for all segments and connectors are presented in the table to the left.

**CONCEPTUAL HYDRAULIC AND STORMWATER MANAGEMENT DESIGN**

The English/Parsons Brinckerhoff Team has investigated VDOT stormwater and drainage requirements for the Project. As part of Conceptual Design, we have developed the most efficient design possible while minimizing waste, impacts to the environment, and traffic disruption.

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## **Roadway Drainage and Stormwater Management**

### **Segment A – Odd Fellows Road and US 29/460 Interchange**

Taking into account the existing conditions and natural flow of the stormwater in this segment of the Project, we have identified ways to simplify and improve upon the drainage layout presented in the RFP Conceptual Plans to minimize the installation of new piping, reduce stream impacts, and eliminate the need to jack and bore new stormwater piping under US Route 29/460. Discharges from the forested hills south of US Route 29/460 are conveyed primarily through ditches and north to Fishing Creek tributary via existing stormwater conduits. Additional impervious areas created by Ramps A/B and Odd Fellows Road south of US Route 29/460 are conveyed through stormwater basins and discharged through existing conduits to the stream system. Impacts to the Fishing Creek tributary were minimized to the maximum extent possible. Three culverts are to be installed under new roadway sections (Odd Fellows Road, Ramp D and Ramp C) to allow for free flow of the relocated stream. Five basins were created to reduce the discharges into the stream, caused by additional impervious areas as described below. The English/Parsons Brinckerhoff Team has utilized the current versions of VDOT Drainage Manual and the Virginia Stormwater Management Handbook (DCR, 1999) to meet the phosphorus removal rate requirements for stormwater management for the Project.

This project is considered grandfathered by the VSMP authority as defined in 9VAC25-870-48, and is subject to the technical criteria of Part II, Section C of the state stormwater regulations. All stormwater management facilities are located in Segment A of the project. Phosphorus reduction requirements for Segment B1 are combined with the reduction requirements in Segment A. To meet the combined reduction requirements of Segments A and B1 of the Project, the English/Parsons Brinckerhoff Team intends to design and construct five stormwater management facilities within VDOT's Proposed Right-of-Way for Segment A, as presented on the Conceptual Roadway Plans. Doing so, we are able to treat the anticipated 12.91 pounds per year produced from the additional impervious area in the James River watershed created by this Project. Four of the facilities will be enhanced extended detention basins with pollutant removal capacity of 50%, and the fifth facility will be an extended detention basin with a pollutant removal capacity of 35%. Three of the basins are located between Ramps A, B, and D and US Route 29/460. Because of the presence of existing wetlands, there is no basin between Ramp C and US Route 29/460. The other two basins are located northwest of Ramp C and north of Odd Fellows Road.

### **Section B1-Odd Fellows Road Roadway Improvements**

Drainage improvements for Odd Fellows Road from the interchange to Mayflower Drive (Segment B1) will consist of a combination of curb inlets and closed conduit systems. Designs for the system will be completed in accordance to the VDOT Drainage Manual. Since Segment B1 road improvements consists of implementing curb and gutter, the bulk of the drainage facilities required will consist of inlets placed along the curb and gutter, connected to a closed storm sewer system. The closed system drainage pipe will convey stormwater to existing receiving channels which were analyzed to be adequate for the additional flow. Flows from properties adjacent to the road were analyzed, and where necessary, yard inlets were added to convey water from these properties to the new closed storm sewer system. There are no new cross culverts in our design concept. Existing cross culverts were analyzed and determined to be able to handle additional flow. Though the conditions of these pipes have not been noted as being in disrepair, they will be inspected during construction to confirm the pipes are in good condition. There are no existing or proposed stormwater management facilities in Segment B1. To meet stormwater

management requirements for both Segments of this Project, five new stormwater management facilities were included in Segment A as noted described above.

**PROPOSED UTILITY IMPACTS**

<b>Utility Owner Utility Description</b>	<b>Approximate Location</b>	<b>Conflict (Known or Potential)</b>	<b>Corrective Action</b>
<b>OVERHEAD POWER AND OVERHEAD COMMUNICATIONS</b>			
Appalachian Power (AEP)	Odd Fellows Road East from Mayflower Dr. Located in ROW on south side of road STA 220 – 249	Poles in conflict with proposed multi-purpose path	Coordinate with AEP to design and relocate 2900 feet of OHE and associated poles. Replace service connections impacted by relocated poles
<b>UNDERGROUND COMMUNICATIONS</b>			
Underground Telephone/Fiber Optic	Outside existing ROW. Inside proposed ROW along east side of US 29/460 eastbound	400 feet in cut sections of Ramps A and B (200 feet under each)	Obtain utility easement. Coordinate with T/FO company to design and relocate lines to avoid conflicts.
Underground CATV	Odd Fellows Road east from Mayflower Dr. Located in ROW on south side of road	Potential conflicts with proposed curb & gutter and stormwater	Coordinate with CATV company to design and relocate 3500 feet underground CATV as necessary to avoid conflicts
Underground Telephone	Odd Fellows Road east from Mayflower Dr. Located in ROW on south side of road	Potential conflicts with proposed curb & gutter and stormwater	Coordinate with Telephone company to design and relocate 3500 feet underground T/Tg as necessary to avoid conflicts
Underground Telephone	Odd Fellows Road running west from Mayflower Dr. in ROW along south side of Odd Fellows Road	Potential conflicts with proposed roundabout, curb & gutter and stormwater	Coordinate with Telephone company to design and relocate 300 feet underground T/Tg as necessary to avoid conflicts
Underground Fiber Optic	Odd Fellows Road east from Mayflower Dr. Located in ROW on south side of road	Potential conflicts with proposed curb & gutter and stormwater	Coordinate with Communications company to design and relocate 3500 feet underground T/FO as necessary to avoid conflicts
Underground Fiber Optic	Odd Fellows Road running west from Mayflower Dr. in ROW along south side of Odd Fellows	Potential conflicts with proposed roundabout, curb & gutter and stormwater	Coordinate with Communications company to design and relocate 300 feet underground T/FO as necessary to avoid conflicts

Utility Owner Utility Description	Approximate Location	Conflict (Known or Potential)	Corrective Action
<b>GAS</b>			
4" Columbia Gas line	Running north on Mayflower Dr. to Odd Fellows Road where it tees off into (2) 2" gas lines along Odd Fellows (one east and one west). Located in ROW on west side of Mayflower Drive	Potential conflicts with proposed roadway and stormwater construction	Coordinate with Columbia Gas company to relocate gas lines as necessary to avoid conflicts
2" Columbia Gas line	Odd Fellows Road east from Mayflower Dr. Located in ROW on south side of road	Potential conflicts with stormwater and anticipated relocation of other UG utilities along south side of Odd Fellows Rd.	Coordinate with Columbia Gas company to relocate gas lines as necessary to avoid conflicts
2" Columbia Gas line	Odd Fellows Road west from Mayflower Dr. Located in ROW on south side of road	Potential conflicts with stormwater	Coordinate with Columbia Gas company to relocate gas lines as necessary to avoid conflicts
12" Columbia Gas high pressure line	In easement along east side of US 29/460 eastbound	650 feet of 12" gas in cut section	Coordinate new easement for Columbia Gas. Coordinate design and relocation of 650 feet of 12" welded steel high pressure gas line
<b>WATER</b>			
8" Water	Odd Fellow Road east from Mayflower Dr. Located in ROW on south side of road  STA 220 - STA 224	400 LF 8" W – and Fire Hydrants - Potential conflicts with proposed curb & gutter and stormwater	Coordinate with City of Lynchburg to design and relocate 400 feet of 8" water line as necessary to avoid conflicts
12" Water	Mayflower Dr. running north/south through intersection with Odd Fellows Road	Potential conflicts with proposed roundabout, curb & gutter and stormwater	Coordinate with City of Lynchburg to design and relocate 350 feet of 12" water line as necessary to avoid conflicts

Utility Owner Utility Description	Approximate Location	Conflict (Known or Potential)	Corrective Action
12" Water	Odd Fellows Road running west from Mayflower Dr. in ROW along south side of Odd Fellows Rd.	Potential conflicts with proposed roundabout, curb & gutter and stormwater	Coordinate with City of Lynchburg to design and relocate 450 feet of 12" water line as necessary to avoid conflicts
<b>SANITARY SEWER</b>			
8" Sanitary Sewer	Odd Fellows Road east from Mayflower Dr. Located in ROW on north side of road  STA 220 – STA 226	Potential conflicts with proposed curb & gutter and stormwater	Coordinate with City of Lynchburg to design and relocate 600 feet 8" sanitary sewer as necessary to avoid conflicts
8" Sanitary Sewer	Odd Fellows Road STA 238 to STA 241	Potential conflicts with proposed curb & gutter and stormwater	Coordinate with City of Lynchburg to design and relocate 300 feet of 8" sanitary sewer as necessary to avoid conflicts
8" Sanitary Sewer	Mayflower Dr. running north/south through intersection with Odd Fellows Road Located in ROW on north side of Mayflower Dr. approaching intersection	Potential conflicts with proposed roundabout, curb & gutter and stormwater	Coordinate with City of Lynchburg to design and relocate 200-400 feet of 8" sewer as necessary to avoid conflict
8" Sanitary Sewer	Odd Fellows Road running west from Mayflower Dr. in ROW along north side of Odd Fellows Road	Potential conflicts with proposed roundabout, curb & gutter and stormwater conduits	Coordinate with City of Lynchburg to design and relocate 400 feet of 8" sewer as necessary to avoid conflict

**OTHER KEY PROJECT FEATURES**

Roundabout at Mayflower Drive – The proposed pavement for the roundabout at Mayflower Drive will be designed and constructed as a 100-foot inscribed circle single lane roundabout in accordance with *NCHRP Report 672, Roundabouts: An Informational Guide, Second Edition*. Pavement markings, signage and channelization devices will be employed to provide positive lane control through the roundabout in accordance with the *2009 MUTCD*. As noted above, the Conceptual Roadway Plans include the roundabout located within the Right-of-Way lines provided by VDOT as part of Addendum No. 1. During final design, we do intend to further explore modifications to the roundabout layout, to best comply with *NCHRP Report 672, Roundabouts: An Informational Guide, Second Edition*. Such would involve shifting the location of the roundabout to accommodate the existing profile of Mayflower Drive, but still within the Right-of-Way lines presented on the original RFP Plans (prior to Addendum No. 1). Such a shift would both reduce impacts and allow for two points of access to be maintained to the Fleetpride commercial business property, located in the northeast corner of the intersection.

Roadway Lighting – The English/Parsons Brinckerhoff Team will design and construct a continuous lighting system along Odd Fellows Road in Segments A and B1. We recognize that the lighting system is required within Segment B1, as mitigation for Design Exception No. 3. Implementing a roadway lighting system for the entire Odd Fellows Road corridor will enhance Project operational safety. We will design the lighting system using VDOT’s standard computer lighting design software, AGI32, to ensure proper illuminance levels and ratios in accordance with VDOT requirements. Of course, the lighting will extend through the limits of the roundabout at Mayflower Drive, to properly illuminate all approaches.

**4.2.3.2 | CONCEPTUAL STRUCTURAL PLANS**

The Conceptual Structural Plans are included in a separate volume. Descriptions of these Conceptual Bridge Plans and details regarding enhancements made to the RFP Plans that meet and/or exceed project requirements are as follows:

**ODD FELLOWS ROAD OVER ROUTE 29/460**

Typical Section – The typical section is consistent with the RFP Plans and provides one (1) 12’-0” wide travel lane and one (1) 13’-0” wide left-turn lane in both the northbound and southbound directions. In the northbound direction, an offset of 4’-0” is provided between the travel lane and the standard VDOT BR27 barrier, 3’-6” tall (along the east edge of the bridge), making the total northbound roadway width equal to 29’-0”. In the southbound direction, an offset of 2’-0” is provided between the travel lane and the raised sidewalk/shared use path, making the total southbound roadway width equal to 27’-0”. No offset is required between the left-turn lanes and the raised concrete median. The raised concrete median is 6” high and 4’-0” wide, and is centered on the Odd Fellows Road Construction Baseline. The raised concrete sidewalk/shared use path is 6” high at the roadway gutter line and is 17’-6” wide. Due to the width of the sidewalk/shared use path, a barrier separation is not required between the sidewalk/shared use path and the vehicular traffic. A standard VDOT BR27 barrier, 4’-6” tall, is provided at the outside edge of the sidewalk/shared use path (along the west edge of the bridge). Also provided along the west edge of the bridge is a standard VDOT BPF-5, Type B Pedestrian Fence, which is required by VDOT for

bridges carrying pedestrian traffic over freeways. Per Section 2.2 of the project RFP, Route 29/460 is functionally classified as an Urban Principal Arterial (Freeway). The overall width of the typical section is 79'-8" out to out.

Structure Span/Type – The proposed structure consists of eight (8) prestressed concrete PCBT-77 beams spaced at 10'-6" on center and made composite with a 9" thick reinforced concrete deck slab. The span arrangement will be two (2) equal spans at 140'-0", for a total bridge length (end of slab to end of slab) of 280'-0". Abutments will be full integral type behind MSE walls, and will be supported by a single row of steel H-piles on their weak axis. The pier will be located in the median of Route 29/460 so as not to preclude the future widening of US Route 29/460, as per the requirements of the RFP Technical Requirements Section 2.3.1, and will be supported on a spread footing.

Finishes – Per Section 2.3.9 of the RFP Technical Requirements, both sides of the bridge traffic barrier and terminal walls will receive architectural treatment (rustic brick). Per VDOT requirements, the standard bridge barriers discussed above will be modified as follows: an additional 1" relief will be provided on the inside (traffic side) face and an additional 2" relief will be provided on the outside (non-traffic) face. As a result, the width of the standard VDOT barriers will be increased from 10" to 13". The concrete traffic barriers and terminal walls will be color-coated using Federal Color No. 23617. The steel railing and pedestrian fence will be coated black per the project RFP Technical Requirements. MSE walls in front of the abutments will not receive architectural treatment, but will be color-coated to match the traffic barriers. Deck lighting may be provided on the bridge if determined necessary during final design. If deck lighting is needed, standard VDOT light pole blisters will be provided on the back (non-traffic) side of the BR27 barriers. Preliminary hydraulic calculations show that bridge deck drainage is not required. Standard VDOT inlets will be provided just beyond the north end of the bridge.

Construction Impacts, Safety and Operational Considerations – Since there is currently no bridge carrying traffic over Route 29/460 and this portion of Odd Fellows Road will be closed during construction, the bridge will be built in one piece (phased construction is not required). The locations of the substructure units have been selected such that barrier pier protection (TL-5 barrier) is not required for the proposed condition, nor the future condition where additional 12'-0" wide lanes are added to the eastbound and westbound directions of Route 29/460. A minimum horizontal clearance of 30'-0" from the edge of travelled lane to the face of Pier/MSE Wall will be maintained for both the present and future lane configurations.



Odd Fellows Rd

**4.2.4 | PROPOSAL SCHEDULE**

**4.2.4.1 Proposal Schedule**

The Proposal Schedule is included under separate cover as an Attachment to this Technical Proposal.

**4.2.4.2 Odd Fellows Road Schedule Narrative**

**Contract Milestones**

Activity ID	Activity Name	Activity Type	Activity Status	Planned Start	Planned Finish
<b>Odd Fellows Drive Proposal Schedule Project Milestones</b>					
0005	NTP	Start Milestone	Not Started	18-Feb-15	
0007	Final Completion	Finish Milestone	Not Started		03-Aug-18
0016	Contract Award	Finish Milestone	Not Started		18-Feb-15

**Overall Project Plan**

The English/Parsons Brinckerhoff Team’s schedule and price is based on the following plan and phasing for the Odd Fellows Road Project: Design efforts will begin immediately after NTP to establish final geometry and allow for utility coordination necessary to establish final right-of-way and temporary/permanent easements. Right-of-way acquisition will commence upon VDOT approval of the Final Right-of-Way Plans and authorization to commence acquisition. All activities for design, environmental approvals/permitting, utility relocation, and right-of-way acquisition have been detailed in the Proposal Schedule, so that they can be properly managed and tracked to facilitate early construction activities. The Odd Fellows Road Interchange (Segment A) will be contained within its own work breakdown structure, showing the areas of work subdivided further to include the bridge construction and work both north and south of US 29/460. The improvements to Odd Fellows Road from Segment A to Mayflower Drive to include a roundabout at Mayflower Drive (Segment B1) will be contained with their own work breakdown structure, further subdivided to show the proper MOT phasing, outlined below, and the 90 day shutdown of the Odd Fellows Road/ Mayflower Drive intersection. Phase I will consist of maintaining all traffic movements and widening on the north side while subsequent phases will utilize newly constructed and widened portions of all roadways. Finally, the last phase of work will include the surface pavement, final pavement markings, landscaping, and the construction of any area not available for construction in the earlier phases due to existing traffic constraints and transitions. The MOT phasing will be further refined during the design phase to optimize productivity, maintain access to adjacent businesses, and reduce impacts to the traveling public.

**Detailed Project Plan for Initial 120 Days**

After Notice to Proceed, the notice of intent to enter and project surveys will commence immediately to initiate final design. The right-of-way acquisition process will also begin while public/private utility relocation plans are in final development. Phase I environmental site assessments and reports along

with geotechnical exploration and testing will lead to effective environmental management and quality assurance and control measures.

### **Project Critical Path based on “Longest Path”**

The project critical path commences with the Notice to Proceed and continues through setting right-of-way and easements necessary to develop Final Right-of-Way Plans for VDOT review and approval. The critical path then proceeds through VDOT’s formal notice of authorization to commence right-of-way acquisition, then through the acquisition process. Upon the completion of right-of-way acquisition, the critical path then proceeds through utility relocations and the construction phases along existing Odd Fellows Road (Segment B1).

### **Construction Phasing**

#### **Segment A - Odd Fellows Road Interchange:**

The intent for the new interchange will be to construct it in one phase, to include the bridge construction and all work north and south of US 29/460. No work will be performed on existing US 29/460 other than ramp tie-ins, new/replacement signage, and pavement markings. As right-of-way and resources allow, we will construct Odd Fellows Road mainline roadways to include all erosion and sediment controls, clearing and grubbing, storm drainage, grading, abutment fills and MSE Walls, utility relocations, sewer and waterline activities, underdrain, stone placement, asphalt to include the intermediate pavement, lighting, curb and gutter, sidewalk and multi-use path, signage, and the roundabout at Top Ridge Road. The bridge construction will begin in the median of US 29/460 with the construction of the pier while the approach fills and MSE walls are under construction. Once the approach fills are in place, the bridge construction will continue with abutment construction and then finally the superstructure construction. As possible, the bridge construction activities will proceed concurrently with all other grading operations for Segment A. The final surface, pavement markings, and signage will be completed in concert with those like operations for Segment B1, outlined below.

#### **Segment B1 – Odd Fellows Road (from Segment A thru Mayflower Drive):**

##### **Phase I:**

The intent is to maintain vehicular traffic on the existing pavement along Odd Fellows Road during Phase I, while the widening is constructed adjacent to the existing roadway. The construction included in Phase I would include all erosion and sediment controls, clearing and grubbing, storm drainage, grading, utility relocations, sanitary sewer, underdrain, stone placement, asphalt to include the intermediate pavement, underground lighting components, curb & gutter, signage, and temporary pavement markings.

##### **Phase II:**

During Phase II, traffic would be placed on the new pavement utilizing temporary pavement markings in the new traffic pattern. New construction will include the widening on the south side of the Odd Fellows Road, including all erosion and sediment controls, any remaining

clearing and grubbing, limited storm drainage, mass and fine grading, utility relocations, underdrain, stone placement, asphalt to include the intermediate pavement, underground lighting components, curb and gutter, signage, and temporary pavement markings.

**Phase III:**

During Phase III, traffic would be placed on the new pavement, constructed in Phase I and II, utilizing the temporary pavement markings in the new traffic pattern. New construction will include the construction/reconstruction of any remaining portion in the middle of Odd Fellows Road that were not available for construction during Phase I or II due to traffic patterns and maintenance of traffic requirements, and to include the final construction of the roundabout at Mayflower Drive, during the 90 day intersection closure. This work would include limited storm drainage, mass and fine grading, stone placement, asphalt to include the intermediate pavement, some median curb and gutter, and truck apron for the roundabout.

**Phase IV:**

Phase IV would include all surface pavement, final pavement markings, final lighting, and final signage. This work will be performed concurrently with any other phase, as maintenance of traffic allows.

**Significant Submittal and Fabrication Items**

<b>Activity ID</b>	<b>Activity Name</b>	<b>Original Duration</b>	<b>Start</b>	<b>Finish</b>
A11110	Lighting Poles and Fixtures Fabrication and Procurement	90	28-Jul-15	25-Oct-15
A13680	Bridge Girders Fabrication and Procurement	60	31-Oct-15	29-Dec-15
A13720	MSE Walls Fabrication and Procurement	90	31-Oct-15	28-Jan-16

**Work Shifts**

English’s normal work schedule is based on a single 10 hour shift per day, 7:00 am through 5:30 pm, five days per week. However, these times are flexible and will be modified as the demands of the job dictate, as the time of year allows and to include activities that will require night operations. All work times will be in compliance with the Work Hour Restrictions outlined in Part 2, Section 2.10.2 of the RFP.

**Work Calendars**

**5-Day (Includes Holidays):**

This calendar is based on a five-day work-week with holidays considered non-work days. This calendar is used for activities that are constrained by weekends and holidays.

**7-Day:**

This calendar is based on seven days per week. This calendar is used for review activities and concrete curing.

**Asphalt:**

This calendar is based on a five-day work-week with holidays considered non-work days and weather days incorporated using a 30-year weather mean compiled from National Oceanic and Atmospheric Administration (NOAA). This calendar is used for activities that need to be constrained by weather and cold temperatures.

**Weather:**

This calendar is based on a five-day work-week with holidays and cold weather considered non-work days and weather days incorporated using the 30-year weather mean compiled from NOAA. This calendar is used for any activity that can be affected by weather.

**Holidays:**

The non-working holidays incorporated into the working schedule are as follows: New Year's Day, Martin Luther King Jr. Day, Friday before Easter, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the day after Thanksgiving, and Christmas.

Odd Fellows Rd

**Attachment 4.0.1.1:  
Technical Proposal Checklist and Contents**

**ATTACHMENT 4.0.1.1**

**ODD FELLOWS ROAD INTERCHANGE AT US ROUTE 29/460 AND ROAD IMPROVEMENTS**

**TECHNICAL PROPOSAL CHECKLIST AND CONTENTS**

Offerors shall furnish a copy of this Technical Proposal Checklist, with the page references added, with the Technical Proposal.

<b>Technical Proposal Component</b>	<b>Form (if any)</b>	<b>RFP Part 1 Cross Reference</b>	<b>Page Reference</b>
<b>Technical Proposal Checklist and Contents</b>	Attachment 4.0.1.1	Section 4.0.1.1	Appendix
<b>Acknowledgement of RFP, Revisions, and/or Addenda</b>	Attachment 3.6 (Form C-78-RFP)	Sections 3.6, 4.0.1.1	Appendix
<b>Letter of Submittal</b>	NA	Sections 4.1	1
Letter of Submittal on Offeror's letterhead	NA	Section 4.1.1	1
Offeror's official representative information	NA	Section 4.1.1	2
Authorized representative's original signature	NA	Section 4.1.1	2
Declaration of intent	NA	Section 4.1.2.1	1
120 day declaration	NA	Section 4.1.2.2	1
Point of Contact information	NA	Section 4.1.2.3	2
Principal Officer information	NA	Section 4.1.2.4	2
Final Completion Date	NA	Section 4.1.2.5	2
Written statement of percent DBE participation	NA	Section 4.1.2.6	2
Proposal Payment Agreement or Waiver of Proposal Payment	Attachment 4.1.3(a) or 4.1.3(b)	Section 4.1.3	Appendix
Certification Regarding Debarment Forms	Attachment 11.8.6(a) Attachment 11.8.6(b)	Section 4.1.4	Appendix

**ATTACHMENT 4.0.1.1**

**ODD FELLOWS ROAD INTERCHANGE AT US ROUTE 29/460 AND ROAD IMPROVEMENTS**

**TECHNICAL PROPOSAL CHECKLIST AND CONTENTS**

<b>Technical Proposal Component</b>	<b>Form (if any)</b>	<b>RFP Part 1 Cross Reference</b>	<b>Page Reference</b>
<b>Attachments to the Letter of Submittal</b>	NA	Section 4.2	3
Confirmation that the information provided in the SOQ submittal remains true and accurate	NA	Section 4.2.1	3
Organizational chart with any updates since the SOQ submittal clearly identified	NA	Section 4.2.2	4
Revised narrative when organizational chart includes updates since the SOQ submittal	NA	Section 4.2.2	5
Conceptual Roadway Plans – Plan View	NA	Section 4.2.3	Separate Volume
Conceptual Roadway Plans – Typical Sections	NA	Section 4.2.3	Separate Volume
Conceptual Structural Plans – Elevation View	NA	Section 4.2.3	Separate Volume
Conceptual Structural Plans – Transverse Section	NA	Section 4.2.3	Separate Volume
Proposal Schedule	NA	Section 4.2.4	Separate Volume
Proposal Schedule Narrative	NA	Section 4.2.4	16
Proposal Schedule in electronic format (CD or DVD-Rom)	NA	Section 4.2.4	CD

**Attachment 3.6:  
Form C-78-RFP**

**ATTACHMENT 3.6****COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION**

RFP NO. C00105515DB78  
 PROJECT NO.: 9999-118-240

**ACKNOWLEDGEMENT OF RFP, REVISION AND/OR ADDENDA**

Acknowledgement shall be made of receipt of the Request for Proposals (RFP) and/or any and all revisions and/or addenda pertaining to the above designated project which are issued by the Department prior to the Letter of Submittal submission date shown herein. Failure to include this acknowledgement in the Letter of Submittal may result in the rejection of your proposal.

By signing this Attachment 3.6, the Offeror acknowledges receipt of the RFP and/or following revisions and/or addenda to the RFP for the above designated project which were issued under cover letter(s) of the date(s) shown hereon:

1. Cover letter of September 18, 2014 – RFP  
(Date)
2. Cover letter of November 25, 2014 – Addendum #1  
(Date)
3. Cover letter of \_\_\_\_\_  
(Date)

W. C. English, Incorporated

  
 \_\_\_\_\_  
 SIGNATURE

December 11, 2014  
 \_\_\_\_\_  
 DATE

Wilson L. Dickerson, Jr., P.E.  
 \_\_\_\_\_  
 PRINTED NAME

Senior Vice President  
 \_\_\_\_\_  
 TITLE

**Attachment 4.1.3(a):  
Proposal Payment Agreement**

**ATTACHMENT 4.1.3(a)**  
**PROPOSAL PAYMENT AGREEMENT**

**THIS PROPOSAL PAYMENT AGREEMENT** (this "Agreement") is made and entered into as of this 11 day of December, 2014, by and between the Virginia Department of Transportation ("VDOT"), and W. C. English, Incorporated ("Offeror").

**WITNESSETH:**

**WHEREAS**, Offeror is one of the entities who submitted Statements of Qualifications ("SOQs") pursuant to VDOT's **June 30, 2014** Request for Qualifications ("RFQ") and was invited to submit proposals in response to a Request for Proposals ("RFP") for the **Odd Fellows Road Interchange at US Route 29/460 and Road Improvements, Project No. 9999-118-240** ("Project"), under a design-build contract with VDOT ("Design-Build Contract"); and

**WHEREAS**, as part of the procurement process for the Project, Offeror has already provided and/or furnished to VDOT, and may continue to provide and/or furnish to VDOT, certain intellectual property, materials, information and ideas, including, but not limited to, such matters that are: (a) conveyed verbally and in writing during proprietary meetings or interviews; and (b) contained in, related to or associated with Offeror's proposal, including, but not limited to, written correspondence, designs, drawings, plans, exhibits, photographs, reports, printed material, tapes, electronic disks, or other graphic and visual aids (collectively "Offeror's Intellectual Property"); and

**WHEREAS**, VDOT is willing to provide a payment to Offeror, subject to the express conditions stated in this Agreement, to obtain certain rights in Offeror's Intellectual Property, provided that Offeror submits a proposal that VDOT determines to be responsive to the RFP ("Offeror's Proposal"), and either (a) Offeror is not awarded the Design-Build Contract; or (b) VDOT cancels the procurement or decides not to award the Design-Build Contract to any Offeror; and

**WHEREAS**, Offeror wishes to receive the payment offered by VDOT, in exchange for granting VDOT the rights set forth in this Agreement.

**NOW, THEREFORE**, in consideration of the mutual covenants and agreements set forth in this Agreement and other good and valuable consideration, the receipt and adequacy of which are acknowledged by the parties, the parties agree as follows:

1. **VDOT's Rights in Offeror's Intellectual Property.** Offeror hereby conveys to VDOT all rights, title and interest, free and clear of all liens, claims and encumbrances, in Offeror's Intellectual Property, which includes, without restriction or limitation, the right of VDOT, and anyone contracting with VDOT, to incorporate any ideas or information from Offeror's Intellectual Property into: (a) the Design-Build Contract and the Project; (b) any other contract awarded in reference to the Project; or (c) any subsequent procurement by VDOT. In receiving all rights, title and interest in Offeror's Intellectual Property, VDOT is deemed to own all intellectual property rights, copyrights, patents, trade secrets, trademarks, and service marks in Offeror's Intellectual Property, and Offeror agrees that it shall, at the request of VDOT, execute all papers and perform all other acts that may be necessary to ensure that VDOT's rights, title and interest in Offeror's Intellectual Property are protected. The rights conferred herein to VDOT include, without limitation, VDOT's ability to use Offeror's Intellectual Property without the obligation to notify or seek permission from Offeror.

2. **Exclusions from Offeror's Intellectual Property.** Notwithstanding Section 1 above, it is understood and agreed that Offeror's Intellectual Property is not intended to include, and Offeror does not convey any rights to, the Escrow Proposal Documents submitted by Offeror in accordance with the RFP.

3. **Proposal Payment.** VDOT agrees to pay Offeror the lump sum amount of **thirty thousand and 00/100 Dollars (\$30,000.00)** ("Proposal Payment"), which payment constitutes payment in full to Offeror for the conveyance of Offeror's Intellectual Property to VDOT in accordance with this Agreement. Payment of the Proposal Payment is conditioned upon: (a) Offeror's Proposal being, in the sole discretion of VDOT, responsive to the RFP; (b) Offeror complying with all other terms and conditions of this Agreement; and (c) either (i) Offeror is not awarded the Design-Build Contract, or (ii) VDOT cancels the procurement or decides not to award the Design-Build Contract to any Offeror.

4. **Payment Due Date.** Subject to the conditions set forth in this Agreement, VDOT will make payment of the Proposal Payment to the Offeror within forty-five (45) days after the later of: (a) notice from VDOT that it has awarded the Design-Build Contract to another Offeror; or (b) notice from VDOT that the procurement for the Project has been cancelled and that there will be no Contract Award.

5. **Effective Date of this Agreement.** The rights and obligations of VDOT and Offeror under this Agreement, including VDOT's ownership rights in Offeror's Intellectual Property, vests upon the date that Offeror's Proposal is submitted to VDOT. Notwithstanding the above, if Offeror's Proposal is determined by VDOT, in its sole discretion, to be nonresponsive to the RFP, then Offeror is deemed to have waived its right to obtain the Proposal Payment, and VDOT shall have no obligations under this Agreement.

6. **Indemnity.** Subject to the limitation contained below, Offeror shall, at its own expense, indemnify, protect and hold harmless VDOT and its agents, directors, officers, employees, representatives and contractors from all claims, costs, expenses, liabilities, demands, or suits at law or equity ("Claims") of, by or in favor of or awarded to any third party arising in whole or in part from: (a) the negligence or wilful misconduct of Offeror or any of its agents, officers, employees, representatives or subcontractors; or (b) breach of any of Offeror's obligations under this Agreement, including its representation and warranty under Section 8 hereof. This indemnity shall not apply with respect to any Claims caused by or resulting from the sole negligence or wilful misconduct of VDOT, or its agents, directors, officers, employees, representatives or contractors.

7. **Assignment.** Offeror shall not assign this Agreement, without VDOT's prior written consent, which consent may be given or withheld in VDOT's sole discretion. Any assignment of this Agreement without such consent shall be null and void.

8. **Authority to Enter into this Agreement.** By executing this Agreement, Offeror specifically represents and warrants that it has the authority to convey to VDOT all rights, title, and interest in Offeror's Intellectual Property, including, but not limited to, those any rights that might have been vested in team members, subcontractors, consultants or anyone else who may have contributed to the development of Offeror's Intellectual Property, free and clear of all liens, claims and encumbrances.

9. **Miscellaneous.**

a. Offeror and VDOT agree that Offeror, its team members, and their respective employees are not agents of VDOT as a result of this Agreement.

b. Any capitalized term used herein but not otherwise defined shall have the meanings set forth in the RFP.

c. This Agreement, together with the RFP, embodies the entire agreement of the parties with respect to the subject matter hereof. There are no promises, terms, conditions, or obligations other than those contained herein or in the RFP, and this Agreement shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties hereto.

d. It is understood and agreed by the parties hereto that if any part, term, or provision of this Agreement is by the courts held to be illegal or in conflict with any law of the Commonwealth of Virginia, validity of the remaining portions or provisions shall not be affected, and the rights and obligations of the parties shall be construed and enforced as if the Agreement did not contain the particular part, term, or provisions to be invalid.

e. This Agreement shall be governed by and construed in accordance with the laws of the Commonwealth of Virginia.

**IN WITNESS WHEREOF**, this Agreement has been executed and delivered as of the day and year first above written.

VIRGINIA DEPARTMENT OF TRANSPORTATION

By: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

*[Insert Offeror's Name] W. C. English, Incorporated*

By:  \_\_\_\_\_

Name: *Wilson L. Dickerson, Jr., P.E.,* \_\_\_\_\_

Title: *Senior Vice President* \_\_\_\_\_

# **Attachment 11.8.6: Debarment Forms**

ATTACHMENT NO. 11.8.6(a)

**CERTIFICATION REGARDING DEBARMENT  
PRIMARY COVERED TRANSACTIONS**

Project: 9999-118-240  
Contract ID: C00105515DB78

1) The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:

a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency.

b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; and have not been convicted of any violations of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification, or destruction of records, making false statements, or receiving stolen property;

c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph 1) b) of this certification; and

d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

2) Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this form.

The undersigned makes the foregoing statements to be filed with the proposal submitted on behalf of the Offeror for contracts to be let by the Commonwealth Transportation Board.

  
Signature

December 11, 2014  
Date

Wilson L. Dickerson, Jr., P.E.,  
Senior Vice President  
Title

W. C. English, Incorporated  
Name of Firm

ATTACHMENT NO. 11.8.6(b)

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

Project: 9999-118-240  
Contract ID: C00105515DB78

- 1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
- 2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this form.

The undersigned makes the foregoing statements to be filed with the proposal submitted on behalf of the Offeror for contracts to be let by the Commonwealth Transportation Board.

	12/04/2014	Senior Vice President
Signature	Lloyd Graham	Date
		Title

Parsons Brinckerhoff, Inc.

---

Name of Firm



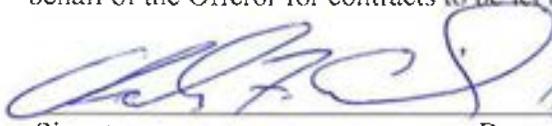
ATTACHMENT NO. 11.8.6(b)

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

Project: 9999-118-240  
Contract ID: C00105515DB78

- 1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
  
- 2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this form.

The undersigned makes the foregoing statements to be filed with the proposal submitted on behalf of the Offeror for contracts ~~to be let~~ by the Commonwealth Transportation Board.

  
Signature \_\_\_\_\_ Date 11/26/17 Title Managing Partner

Crider, Bouye, Elliott & Goodwin, LLC  
Name of Firm

ATTACHMENT NO. 11.8.6(b)

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

Project: 9999-118-240  
Contract ID: C00105515DB78

1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.

2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this form.

The undersigned makes the foregoing statements to be filed with the proposal submitted on behalf of the Offeror for contracts to be let by the Commonwealth Transportation Board.

  
Signature

11/26/2014  
Date

Chief Engineer  
Title

ECS Mid-Atlantic, LLC  
Name of Firm

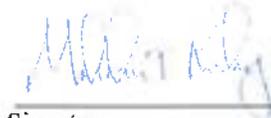
**ATTACHMENT NO. 11.8.6(b)**

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

Project: 9999-118-240  
Contract ID: C00105515DB78

- 1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
- 2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this form.

The undersigned makes the foregoing statements to be filed with the proposal submitted on behalf of the Offeror for contracts to be let by the Commonwealth Transportation Board.



Signature

December 11, 2014

Date

President

Title

NXL Construction Services, Inc.

Name of Firm

ATTACHMENT NO. 11.8.6(b)

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

Project: 9999-118-240

Contract ID: C00105515DB78

1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.

2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this form.

The undersigned makes the foregoing statements to be filed with the proposal submitted on behalf of the Offeror for contracts to be let by the Commonwealth Transportation Board.

  
Signature

12.8.14  
Date

PARTNER  
Title

PULSAR ADVERTISING  
Name of Firm

ATTACHMENT NO. 11.8.6(b)

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

Project: 9999-118-240  
Contract ID: C00105515DB78

- 1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
  
- 2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this form.

The undersigned makes the foregoing statements to be filed with the proposal submitted on behalf of the Offeror for contracts to be let by the Commonwealth Transportation Board.



Signature

11/26/14

Date

Simon Simon, PE, Senior Principal

Title

Stantec Consulting Services Inc.

Name of Firm

ATTACHMENT NO. 11.8.6(b)

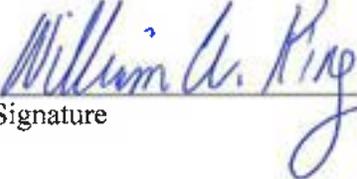
**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

Project: 9999-118-240  
Contract ID: C00105515DB78

1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.

2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this form.

The undersigned makes the foregoing statements to be filed with the proposal submitted on behalf of the Offeror for contracts to be let by the Commonwealth Transportation Board.

	12-01-14	VP - Marketing
Signature	Date	Title

Thompson & Litton, Inc.  
Name of Firm



A DESIGN-BUILD PROJECT



CONCEPTUAL ROADWAY PLANS

# Odd Fellows Road Interchange at US Route 29/460 and Road Improvements along US Route 29/460

From: 0.6 Miles East of Candler Mountain Road (Route 501 North) To: 0.5 Miles West of Campbell Avenue (Business Route 460/501)  
And Along Odd Fellows Road From: Top Ridge Road (Frontage Route 794) To: Lynchburg Expressway (Business Route 29/501)  
City of Lynchburg, Virginia

State Project No.: 9999-118-240, R201, C501, B628 | Federal Project No.: NH-5118(209) | Contract ID Number: C00105515DB78

Submitted to:  
**Virginia Department of Transportation**

Submitted by:  
**W.C. English, Inc.**

In association with: **Parsons Brinckerhoff, Inc.**

**Attachment 4.2.3:  
Conceptual Plans**

PROJECT MANAGER: XXX-XXX-XXXX  
 SURVEYED BY: XXX-XXX-XXXX  
 DESIGN SUPERVISED BY: XXX-XXX-XXXX  
 DESIGNED BY: Parsons Brinckerhoff (757) 466-1732

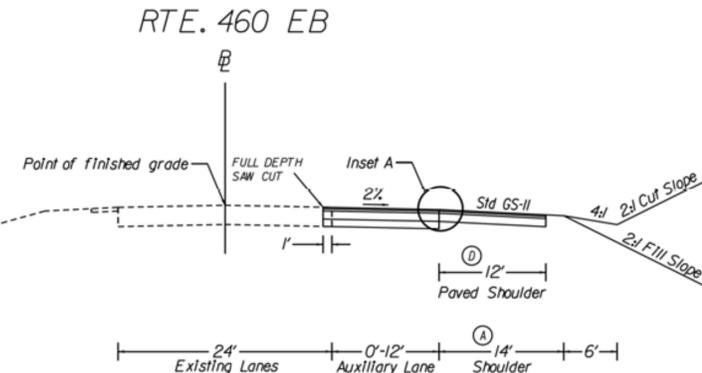
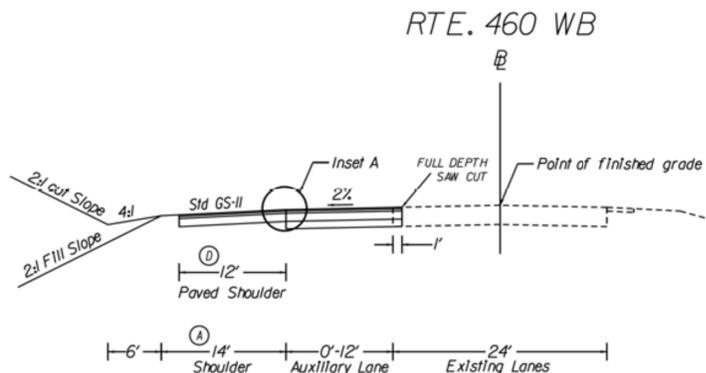
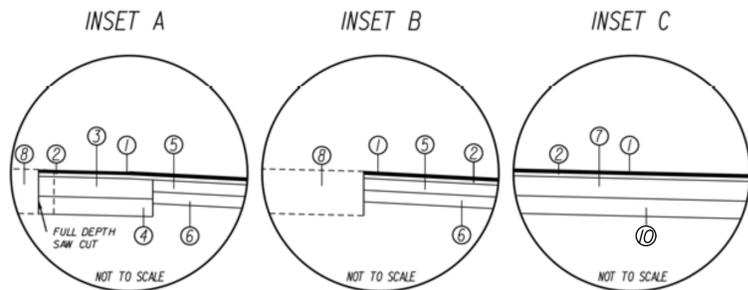
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	460		9999-118-240	2A

**RFP PLANS**  
**For Information**  
**Only**  
**DATE: 12/11/2014**

- ① 1.5" Asphalt Concrete, Type SM-9.5D
- ② 2" Asphalt Concrete, Type IM-19.0D
- ③ 1" Asphalt Concrete Base Course, Type BM-25.0D\*0.8
- ④ 9" Aggregate Base Material, Type I, Size 21B
- ⑤ 6" Asphalt Concrete Base Course, Type BM-25.0D\*0.8
- ⑥ 6" Aggregate Base Material, Type I, Size 21B
- ⑦ 9" Asphalt Concrete Base Course, Type BM-25.0D\*0.8
- ⑧ Existing Pavement to Remain
- ⑩ 6" Aggregate Base Material, Type I, Size 21B

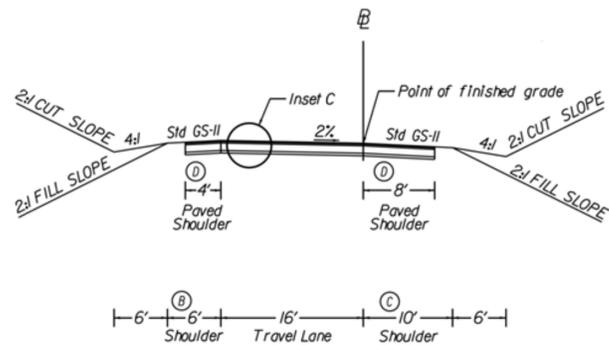
ROUTE 460 (GS-5) 70 MPH



Ⓐ 17' where guardrail is required  
 ⓓ See DETAIL A  
 Sta. 3186+00.00 to Sta. 3197+40.63  
 Sta. 3219+67.76 to Sta. 3237+50.00

Ⓐ 17' where guardrail is required  
 ⓓ See DETAIL A  
 Sta. 2182+00.00 to Sta. 2195+76.17  
 Sta. 2219+84.90 to Sta. 2232+00.00

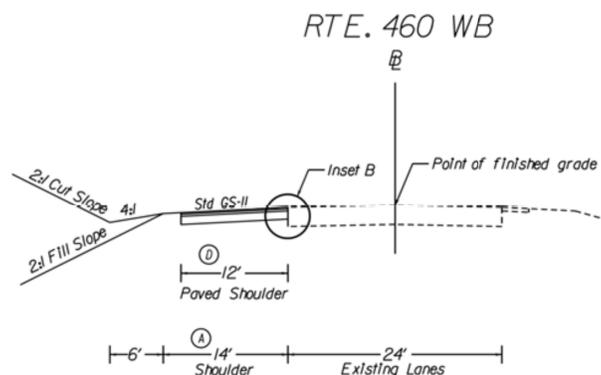
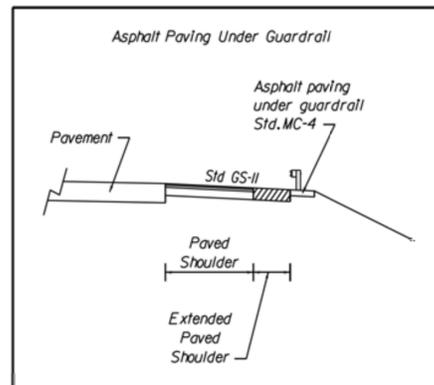
RAMP A, B, C, & D (GS-R)



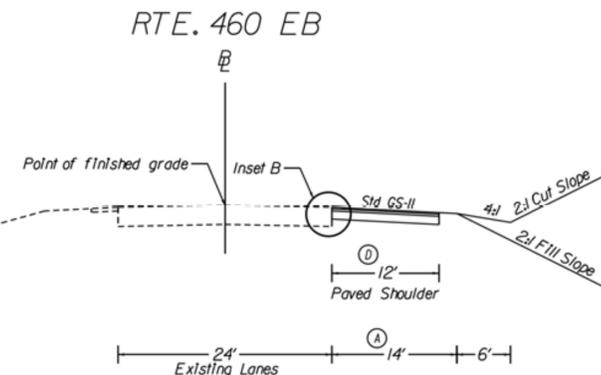
Ⓑ 9' where guardrail is required  
 Ⓒ 13' where guardrail is required  
 ⓓ See DETAIL A

Ramp A Sta. 14+84.19 to Sta. 26+27.20  
 Ramp B Sta. 10+31.00 to Sta. 22+54.45  
 Ramp C Sta. 10+29.00 to Sta. 24+97.02  
 Ramp D Sta. 12+63.71 to Sta. 23+74.30

DETAIL A



Ⓐ 17' where guardrail is required  
 ⓓ See DETAIL A  
 Sta. 3197+40.63 to Sta. 3219+67.76



Ⓐ 17' where guardrail is required  
 ⓓ See DETAIL A  
 Sta. 2195+76.17 to Sta. 2219+84.90

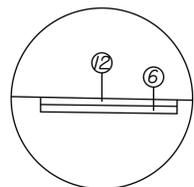
PROJECT MANAGER XXX-XXX-XXXX  
SURVEYED BY XXX-XXX-XXXX  
DESIGN SUPERVISED BY XXX-XXX-XXXX  
DESIGNED BY Parsons Brinckerhoff (757) 466-1732

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

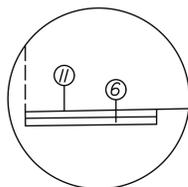
REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	460		9999-118-240	2A(1)

RFP PLANS  
For Information Only  
DATE: 12/11/2014

Shared Used Path  
INSET G

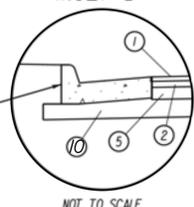


Sidewalk  
INSET F



- ② 2" Asphalt Concrete, Type SM-9.5A
- ⑥ 6" Aggregate Base Material, Type I, Size 21B
- ① 4" Hydraulic Cement Concrete, Class A3

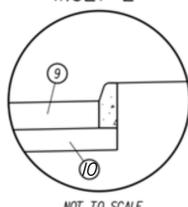
INSET D



Conc. Curb and Gutter Std. CG-6

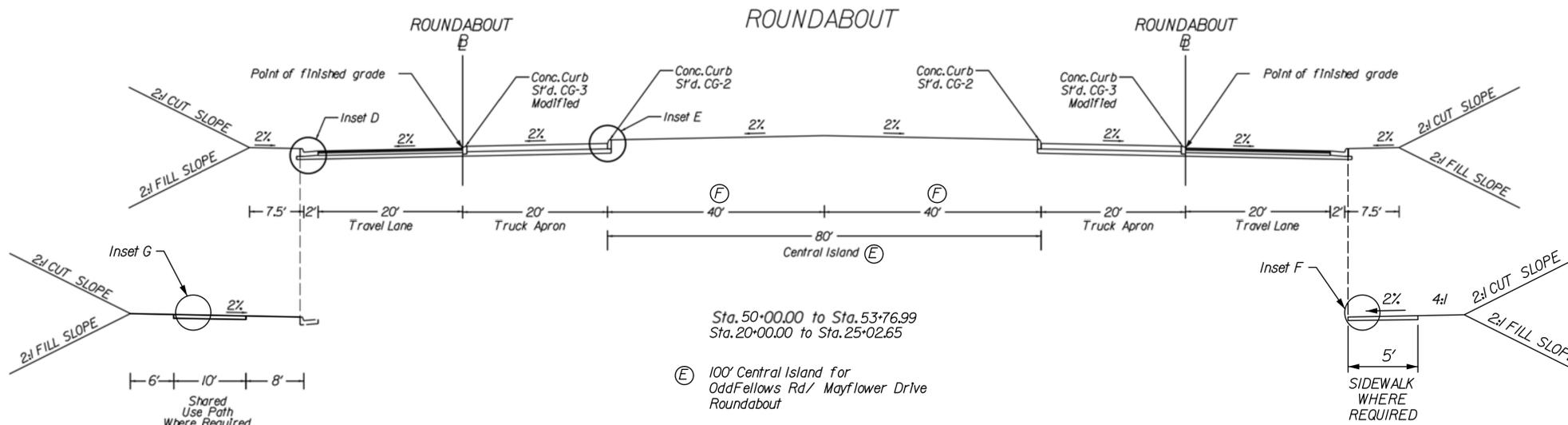
NOT TO SCALE

INSET E

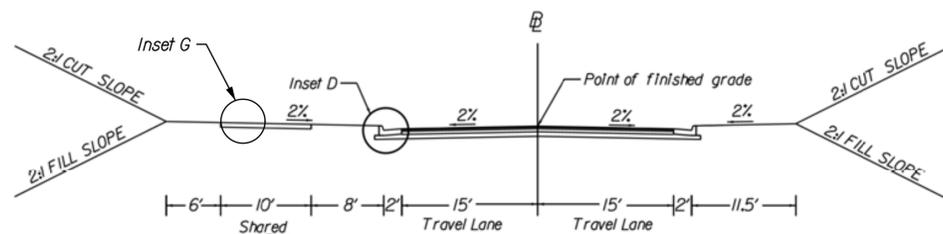


NOT TO SCALE

- ① 1.5" Asphalt Concrete, Type SM-9.5D
- ② 2" Asphalt Concrete, Type IM-19.0D
- ⑤ 6" Asphalt Concrete Base Course, Type BM-25.0D+0.8
- ⑩ 7" Aggregate Base Material, Type I, Size 21B
- ⑨ 10" Jointed Stamped Concrete Pavement with Dowels, Class A3

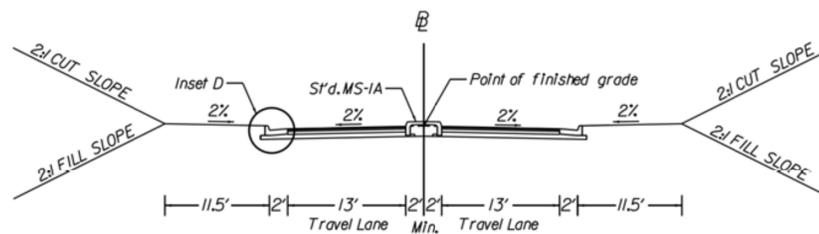


TOP RIDGE ROAD



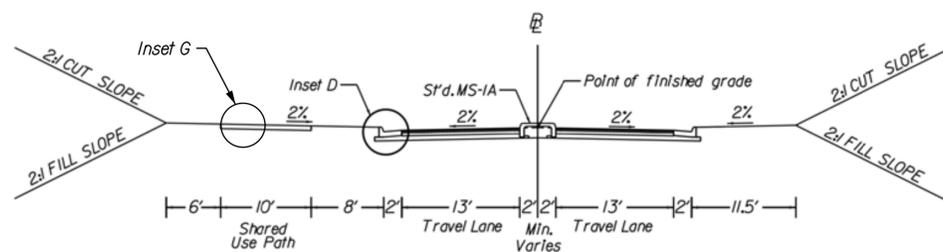
Sta. 114+25.00 to Sta. 114+50.00

TOP RIDGE ROAD



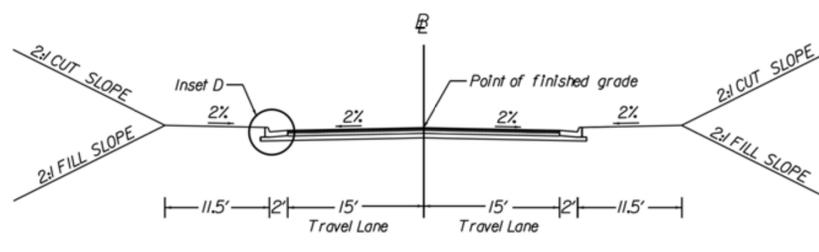
Sta. 117+32.31 to Sta. 118+31.83

TOP RIDGE ROAD



Sta. 114+50.00 to Sta. 115+73.13

TOP RIDGE ROAD



Sta. 118+17.70 to Sta. 118+31.83

**CG-3 MODIFIED**  
FOR USE ON ROUNDABOUT TRUCK APRONS ONLY

NOTES:

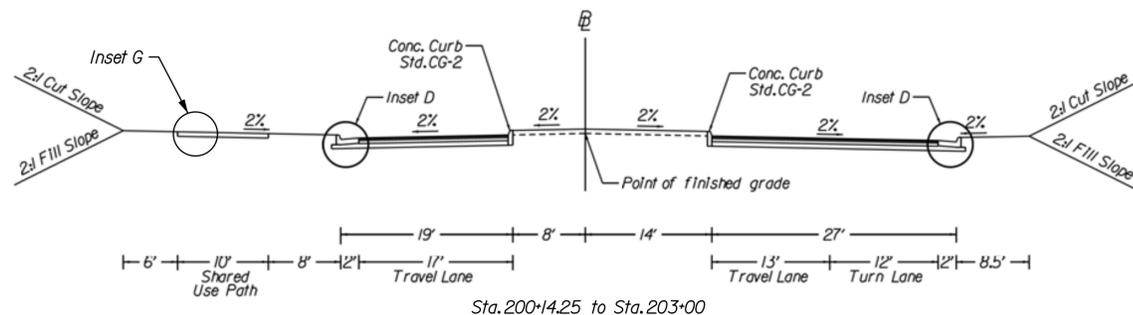
- THIS ITEM MAY BE PRECAST OR CAST IN PLACE.
- CONCRETE TO BE CLASS A3 IF CAST IN PLACE, 4000 PSI IF PRECAST.
- THE DEPTH OF CURB MAY BE REDUCED AS MUCH AS 3" (1/3 DEPTH) OR INCREASED AS MUCH AS 3" (1/3 DEPTH) IN ORDER THAT THE BOTTOM OF THE CURB WILL COINCIDE WITH THE TOP OF A COURSE OF THE PAVEMENT'S SUBSTRUCTURE. OTHERWISE, THE DEPTH IS TO BE 16" AS SHOWN. NO ADJUSTMENT IN THE PRICE BID IS TO BE MADE FOR A DECREASE OR AN INCREASE IN DEPTH.
- THE MODIFICATION TO THE STANDARD CG-3 IS TO REDUCE THE EXPOSED HEIGHT OF THE CURB AS SHOWN. MODIFIED CURB SHALL BE PAID FOR AS STANDARD CG-3.

PROJECT MANAGER XXX-XXX-XXXX  
SURVEYED BY XXX-XXX-XXXX  
DESIGN SUPERVISED BY XXX-XXX-XXXX  
DESIGNED BY Parsons Brinckerhoff (757) 466-1732

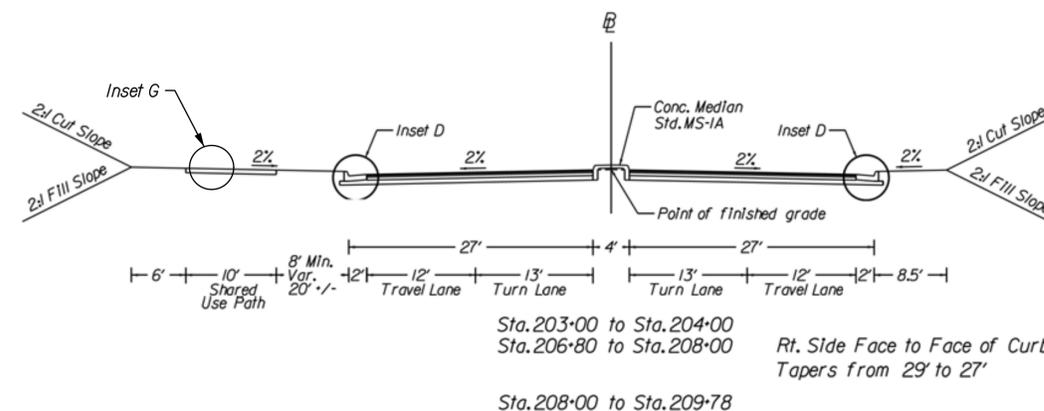
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	460		9999-118-240	2A(2)

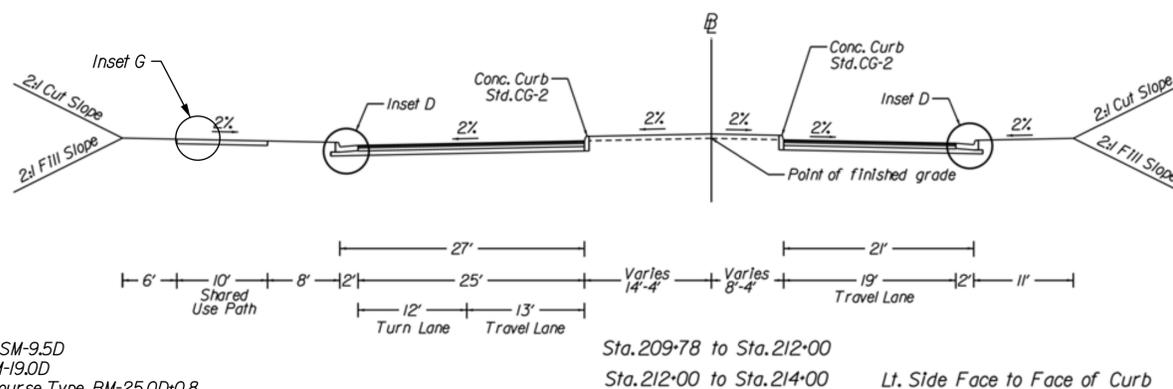
### ODD FELLOWS ROAD



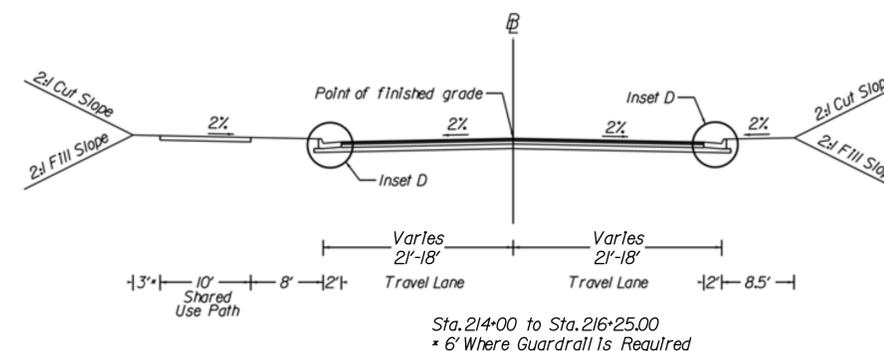
### ODD FELLOWS ROAD



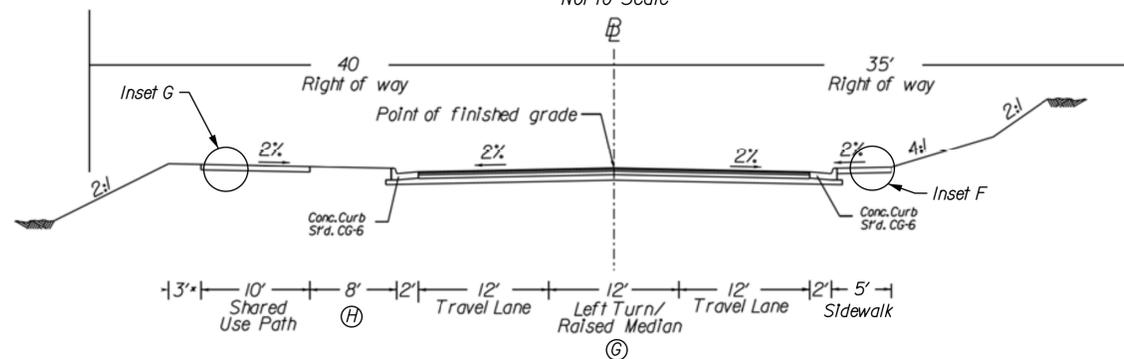
### ODD FELLOWS ROAD



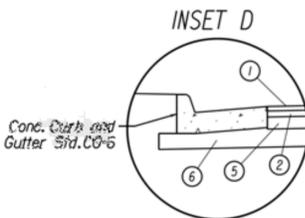
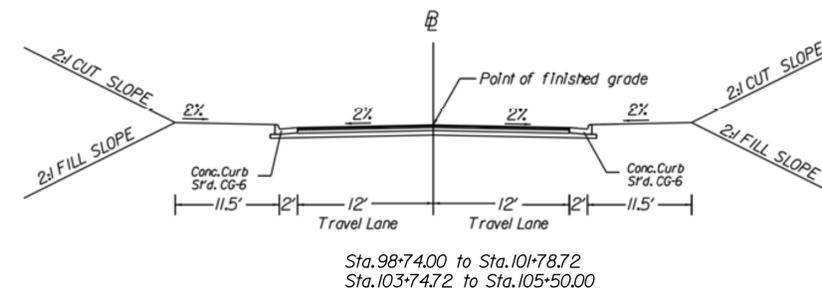
### ODD FELLOWS ROAD



### ODD FELLOWS ROAD

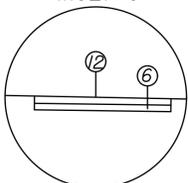


### MAYFLOWER DRIVE

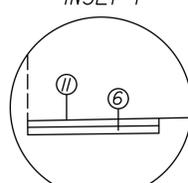


NOT TO SCALE

Shared Used Path  
INSET G

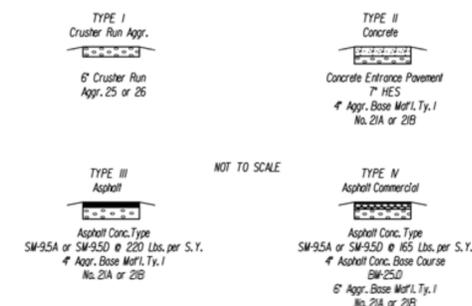


Sidewalk  
INSET F



- ① 1.5" Asphalt Concrete, Type SM-9.5D
- ② 2" Asphalt Concrete, Type IM-19.0D
- ③ 6" Asphalt Concrete Base Course, Type BM-25.0D\*0.8
- ④ 7" Aggregate Base Material, Type I, Size 21B
- ⑤ 2" Asphalt Concrete, Type SM-9.5A
- ⑥ 6" Aggregate Base Material, Type I, Size 21B
- ⑦ 4" Hydraulic Cement Concrete, Class A3

### PRIVATE AND COMMERCIAL ENTRANCES



The type of entrance II, III, IV to be constructed will be determined by the existing condition of the time of construction.

PROJECT MANAGER XXX-XXX-XXXX  
 SURVEYED BY XXX-XXX-XXXX  
 DESIGN SUPERVISED BY XXX-XXX-XXXX  
 DESIGNED BY Parsons Brinckerhoff (757) 466-1732

DESIGN FEATURES RELATING TO CONSTRUCTION  
 OR TO REGULATION AND CONTROL OF TRAFFIC  
 MAY BE SUBJECT TO CHANGE AS DEEMED  
 NECESSARY BY THE DEPARTMENT

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	460		9999-118-240	



	PROJECT	SHEET NO.
	9999-118-240	

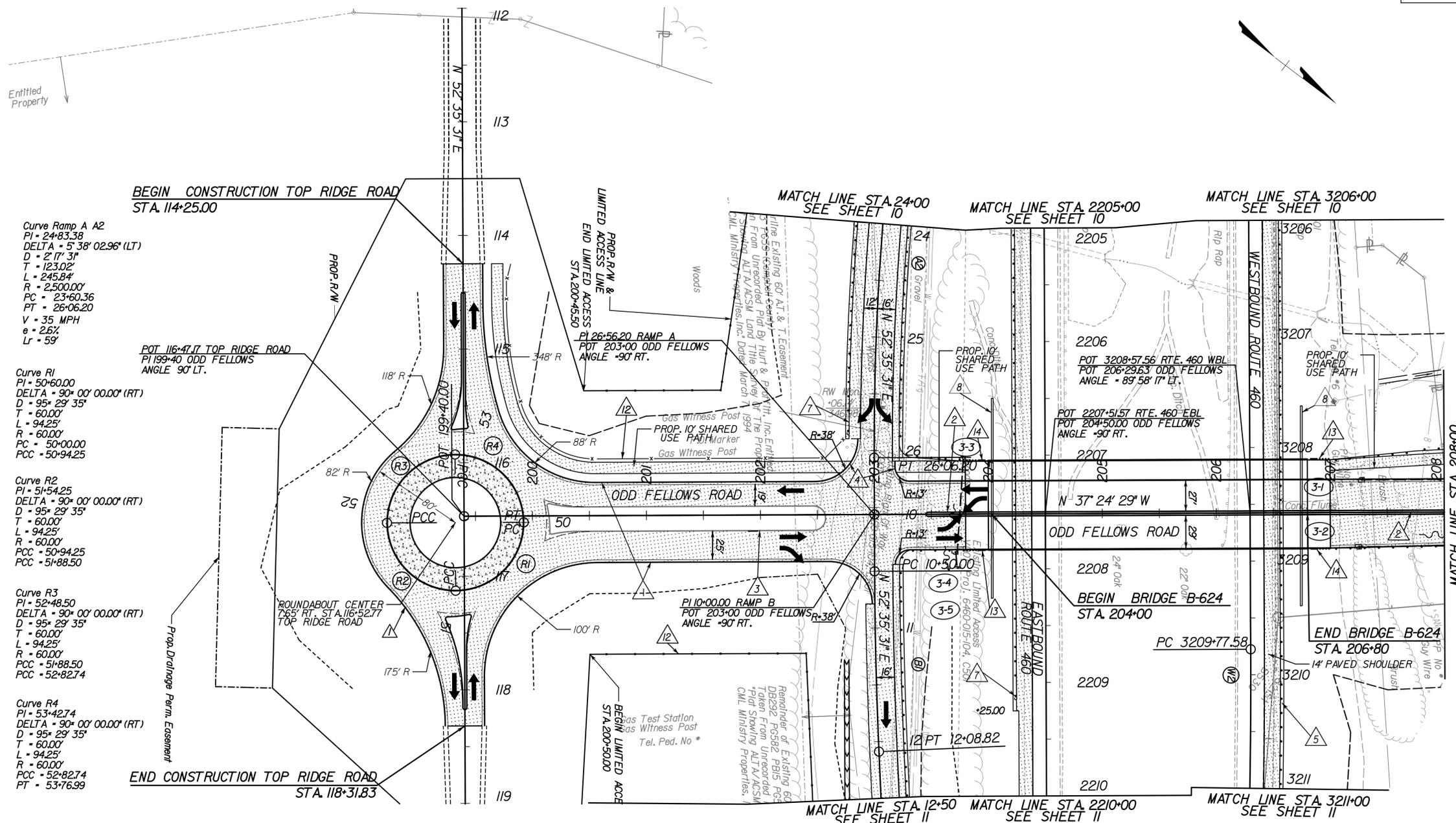
PROJECT MANAGER XXX-XXX-XXXX  
SURVEYED BY XXX-XXX-XXXX  
DESIGN SUPERVISED BY XXX-XXX-XXXX  
DESIGNED BY Parsons Brinckerhoff (757) 466-1732

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	460		9999-118-240	3

### ODD FELLOWS ROAD ROUTE 460

RFP PLANS  
For Information  
Only  
DATE: 12/11/2014



- Curve Ramp A A2**  
 PI = 24+83.38  
 DELTA = 5° 38' 02.96" (LT)  
 D = 2' 17" 31"  
 T = 123.02'  
 L = 245.84'  
 R = 2,500.00'  
 PC = 23+60.36  
 PT = 26+06.20  
 V = 35 MPH  
 e = 2.6%  
 Lr = 5'
- Curve R1**  
 PI = 50+60.00  
 DELTA = 90° 00' 00.00" (RT)  
 D = 95° 29' 35"  
 T = 60.00'  
 L = 94.25'  
 R = 60.00'  
 PC = 50+00.00  
 PCC = 50+94.25
- Curve R2**  
 PI = 51+54.25  
 DELTA = 90° 00' 00.00" (RT)  
 D = 95° 29' 35"  
 T = 60.00'  
 L = 94.25'  
 R = 60.00'  
 PCC = 50+94.25  
 PCC = 51+88.50
- Curve R3**  
 PI = 52+48.50  
 DELTA = 90° 00' 00.00" (RT)  
 D = 95° 29' 35"  
 T = 60.00'  
 L = 94.25'  
 R = 60.00'  
 PCC = 51+88.50  
 PCC = 52+82.74
- Curve R4**  
 PI = 53+42.74  
 DELTA = 90° 00' 00.00" (RT)  
 D = 95° 29' 35"  
 T = 60.00'  
 L = 94.25'  
 R = 60.00'  
 PCC = 52+82.74  
 PT = 53+76.99

#### LEGEND

- 1 PROPOSED PERMANENT UTILITY EASEMENT FOR COLUMBIA GAS
- 2 PROPOSED PERMANENT UTILITY EASEMENT FOR CITY OF LYNCHBURG
- 3 PROPOSED PERMANENT VDOT JOINT USE UTILITY EASEMENT
- C Denotes Construction Limits In Cuts
- F Denotes Construction Limits In Fills
- Denotes Proposed Pavement
- Denotes Proposed Entrances
- Denotes Proposed Sidewalk or Apron
- 1 ST'D. CG-6 REQ'D
- 2 ST'D. MS-1A REQ'D
- 3 ST'D. MS-2 REQ'D
- 4 ST'D. CG-12, TYPE B REQ'D
- 5 ST'D. GR-2 REQ'D
- 6 ST'D. GR-9 REQ'D
- 7 ST'D. GR-11 REQ'D
- 8 SPECIAL DESIGN M.S.E WALL
- 9 PIPE TO BE REMOVED
- 10 DRAINAGE STRUCTURE TO BE REMOVED
- 11 PIPE TO BE ABANDONED AND PLUGGED
- 12 FENCE FE-11
- 13 GR-FOA-2 TYPE 1
- 14 GR-FOA-2 TYPE 2

#### REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Typical Sections 2A, 2A

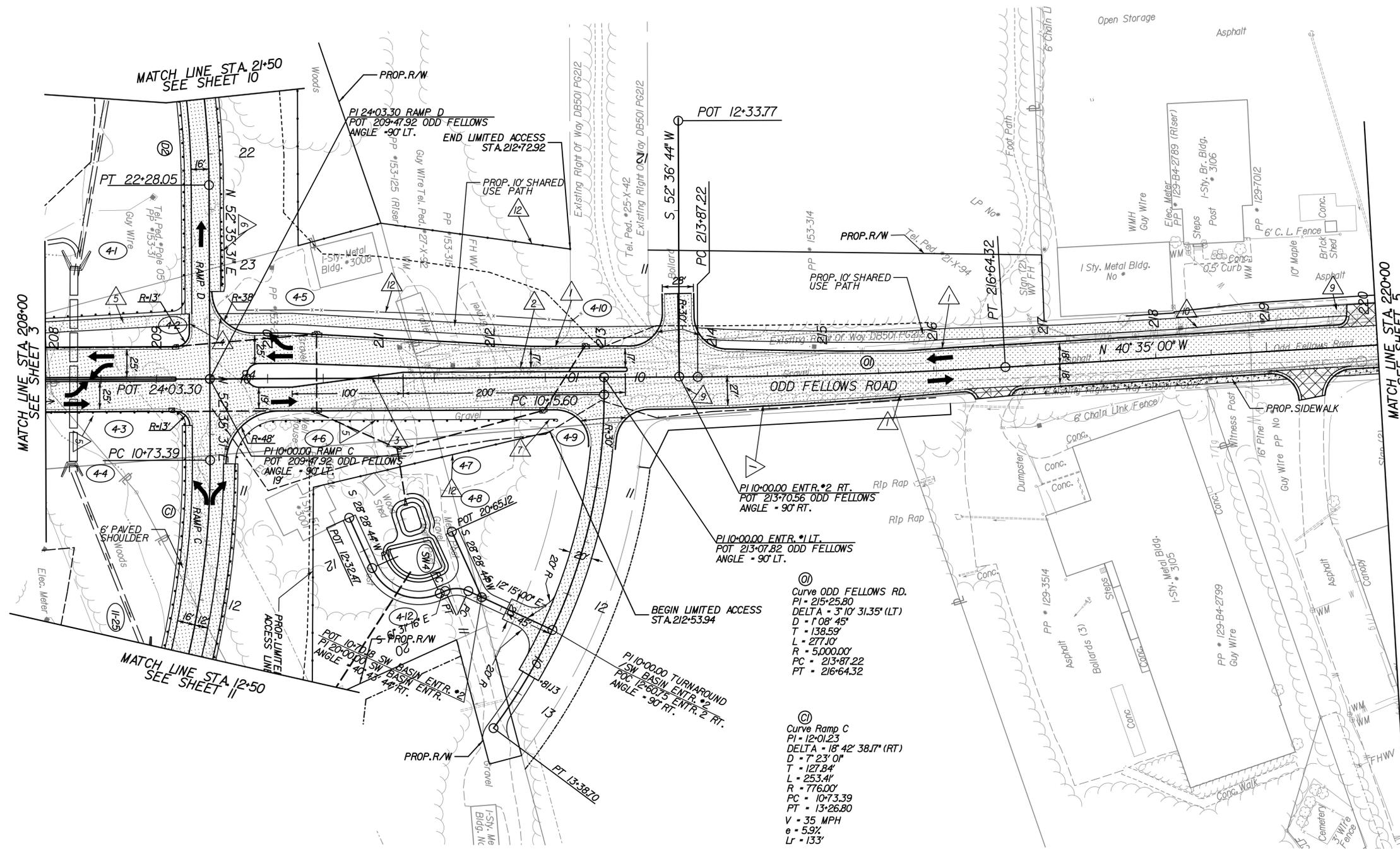
PROJECT MANAGER XXX-XXX-XXXX  
SURVEYED BY XXX-XXX-XXXX  
DESIGN SUPERVISED BY XXX-XXX-XXXX  
DESIGNED BY Parsons Brinckerhoff (757) 466-1732

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	460	9999-118-240	4

### ODD FELLOWS ROAD

RFP PLANS  
For Information  
Only  
DATE: 12/11/2014



#### LEGEND

- 1 PROPOSED PERMANENT UTILITY EASEMENT FOR COLUMBIA GAS
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- 3 PROPOSED PERMANENT VDOT JOINT USE UTILITY EASEMENT
- C Denotes Construction Limits In Cuts
- F Denotes Construction Limits In Fills
- [Pattern] Denotes Proposed Pavement
- [Pattern] Denotes Proposed Entrances
- [Pattern] Denotes Proposed Sidewalk or Apron
- 1 ST'D. CG-6 REQ'D
- 2 ST'D. MS-1A REQ'D
- 3 ST'D. MS-2 REQ'D
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- 14 GR-FOA-2 TYPE 2

#### REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Typical Sections 2A(2)

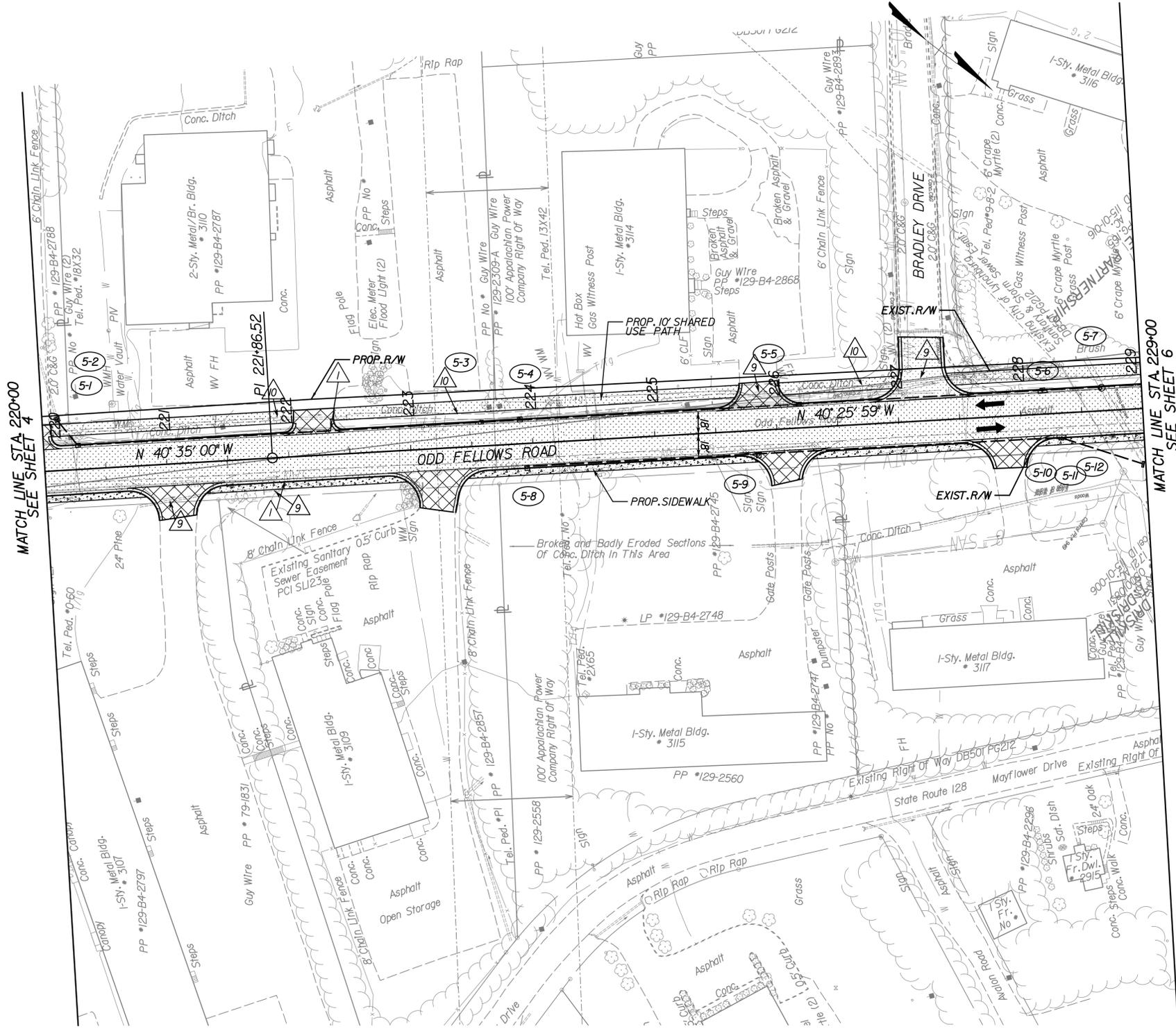
PROJECT MANAGER XXX-XXX-XXXX  
SURVEYED BY XXX-XXX-XXXX  
DESIGN SUPERVISED BY XXX-XXX-XXXX  
DESIGNED BY Parsons Brinckerhoff (757) 466-1732

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	460		9999-118-240	5

ODD FELLOWS ROAD

RFP PLANS  
For Information Only  
DATE: 12/11/2014



LEGEND

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- 3 ST'D. MS-2 REQ'D
- 4 ST'D. CG-12, TYPE B REQ'D
- 5 ST'D. GR-2 REQ'D
- 6 ST'D. GR-9 REQ'D
- 7 ST'D. GR-11 REQ'D
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- 11 PIPE TO BE ABANDONED AND PLUGGED
- 12 FENCE FE-11
- 13 GR-FOA-2 TYPE 1
- 14 GR-FOA-2 TYPE 2

REFERENCES  
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Typical Section 2A(2)

MATCH LINE STA. 220+00  
SEE SHEET 4

MATCH LINE STA. 229+00  
SEE SHEET 6

PROJECT MANAGER XXX-XXX-XXXX  
 SURVEYED BY XXX-XXX-XXXX  
 DESIGN SUPERVISED BY XXX-XXX-XXXX  
 DESIGNED BY Parsons Brinckerhoff (757) 466-1732

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	460	9999-118-240	6

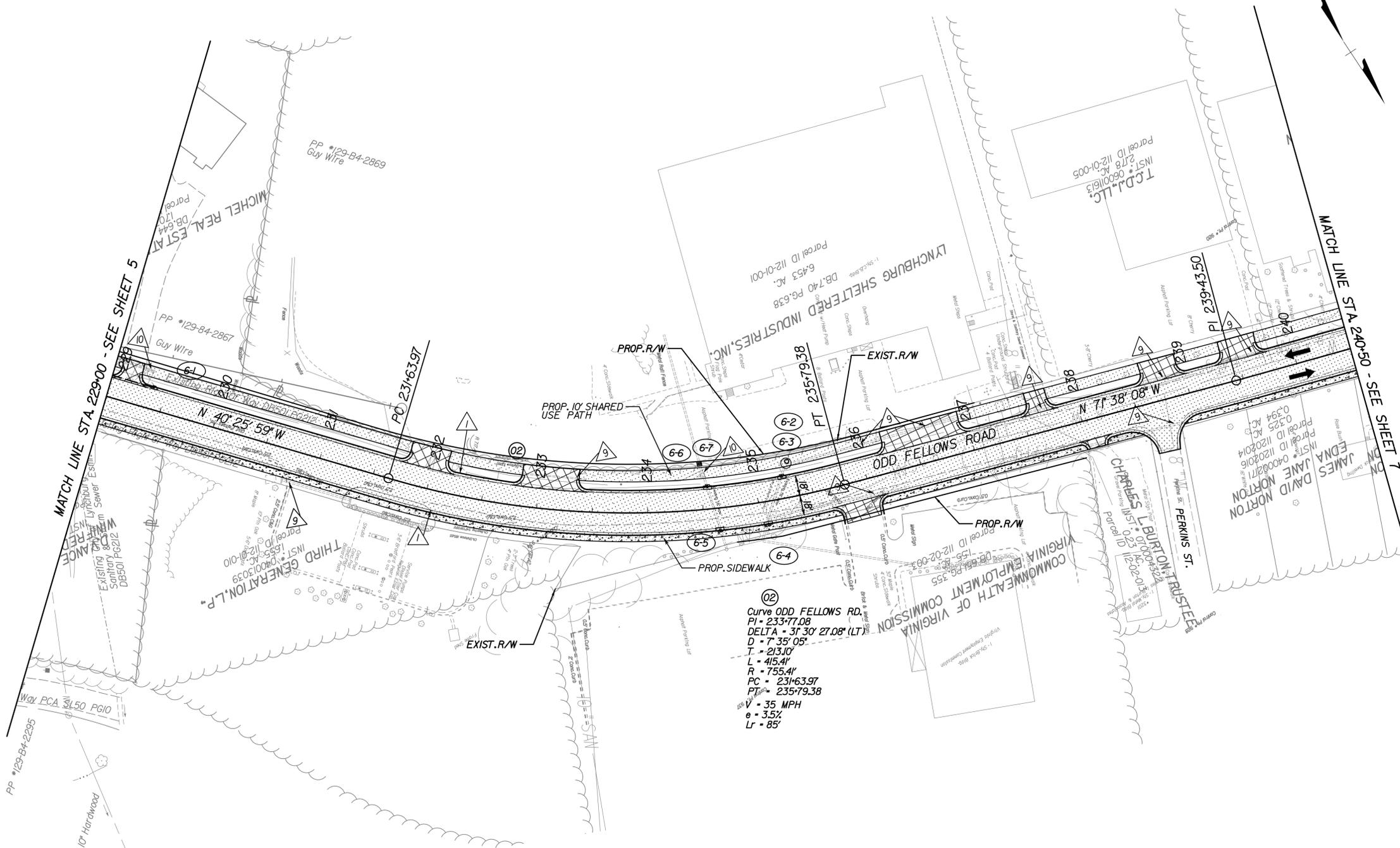
ODD FELLOWS ROAD

RFP PLANS  
 For Information Only  
 DATE: 12/11/2014

LEGEND

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REFERENCES  
 (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)  
 Typical Section 2A(2)



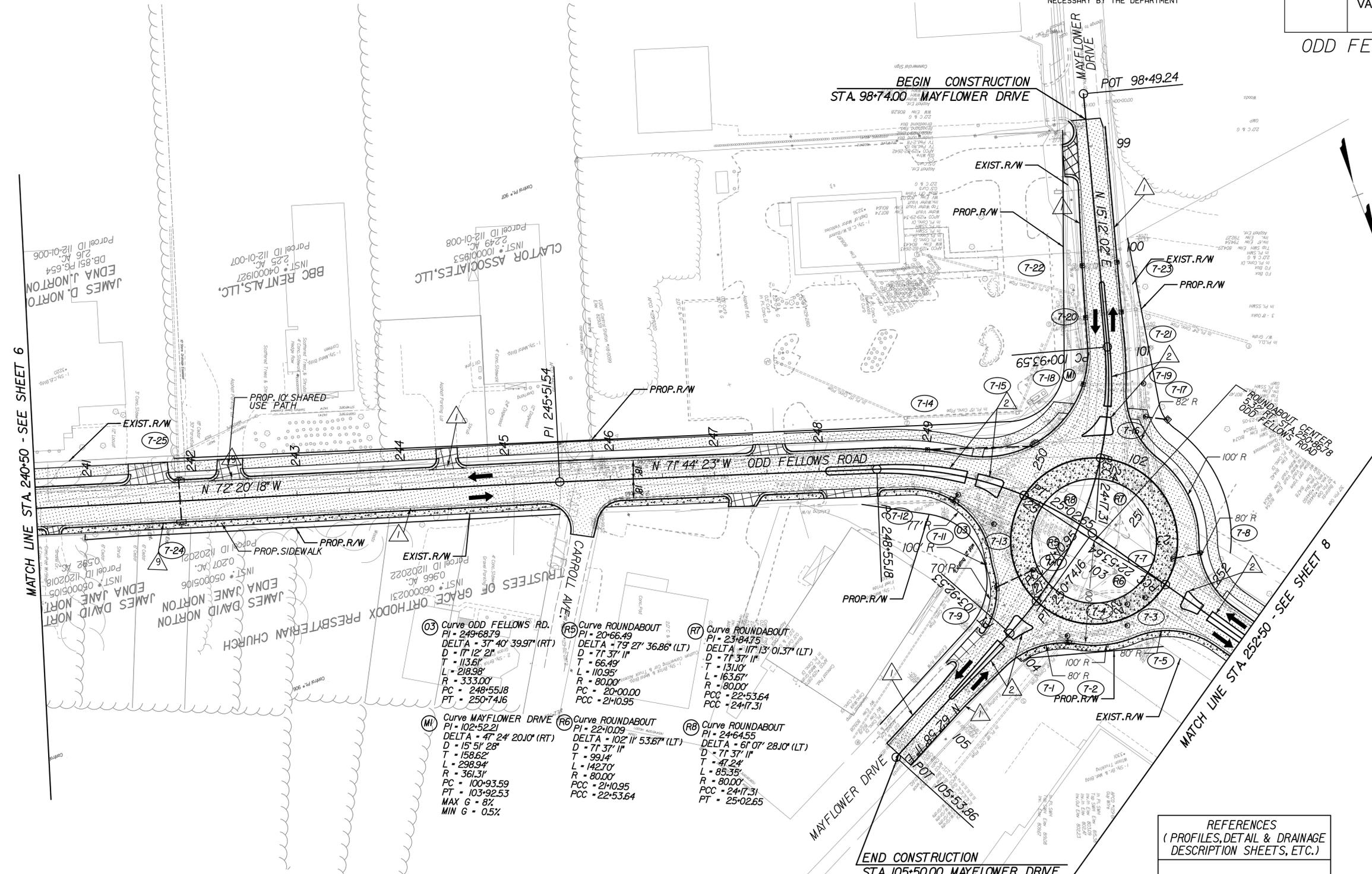
PROJECT MANAGER XXX-XXX-XXXX  
SURVEYED BY XXX-XXX-XXXX  
DESIGN SUPERVISED BY XXX-XXX-XXXX  
DESIGNED BY Parsons Brinckerhoff (757) 466-1732

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	460		9999-118-240	7

### ODD FELLOWS ROAD

RFP PLANS  
For Information Only  
DATE: 12/11/2014



MATCH LINE STA 240+50 - SEE SHEET 6

MATCH LINE STA 252+50 - SEE SHEET 8

- (M) Curve MAYFLOWER DRIVE  
PI = 102+52.21  
DELTA = 47° 24' 20.10" (RT)  
D = 15' 51" 28"  
T = 158.62'  
L = 298.94'  
R = 361.31'  
PC = 100+93.59  
PT = 103+92.53  
MAX G = 8%  
MIN G = 0.5%
- (R6) Curve ROUNDABOUT  
PI = 22+10.09  
DELTA = 102° 11' 53.67" (LT)  
D = 71' 37" 11"  
T = 99.14'  
L = 142.70'  
R = 80.00'  
PC = 21+10.95  
PCC = 22+53.64
- (R7) Curve ROUNDABOUT  
PI = 23+64.75  
DELTA = 117° 13' 01.37" (LT)  
D = 71' 37" 11"  
T = 131.10'  
L = 163.67'  
R = 80.00'  
PC = 22+53.64  
PCC = 24+17.31
- (R5) Curve ROUNDABOUT  
PI = 20+66.49  
DELTA = 79° 27' 36.86" (LT)  
D = 71' 37" 11"  
T = 66.49'  
L = 110.95'  
R = 80.00'  
PC = 20+00.00  
PCC = 21+10.95
- (R3) Curve ODD FELLOWS RD.  
PI = 249+68.79  
DELTA = 37° 40' 39.97" (RT)  
D = 17' 12" 28"  
T = 113.61'  
L = 218.98'  
R = 333.00'  
PC = 248+55.18  
PT = 250+74.16

- LEGEND**
- 1 PROPOSED PERMANENT UTILITY EASEMENT FOR COLUMBIA GAS
  - 2 PROPOSED PERMANENT UTILITY EASEMENT FOR CITY OF LYNCHBURG
  - 3 PROPOSED PERMANENT VDOT JOINT USE UTILITY EASEMENT
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  - F Denotes Construction Limits In Fills
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  - [Pattern] Denotes Proposed Entrances
  - [Pattern] Denotes Proposed Sidewalk or Apron
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  - 2 ST'D. MS-1A REQ'D
  - 3 ST'D. MS-2 REQ'D
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  - 11 PIPE TO BE ABANDONED AND PLUGGED
  - 12 FENCE FE-11
  - 13 GR-FOA-2 TYPE 1
  - 14 GR-FOA-2 TYPE 2

REFERENCES  
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Typical Section 2A(2)

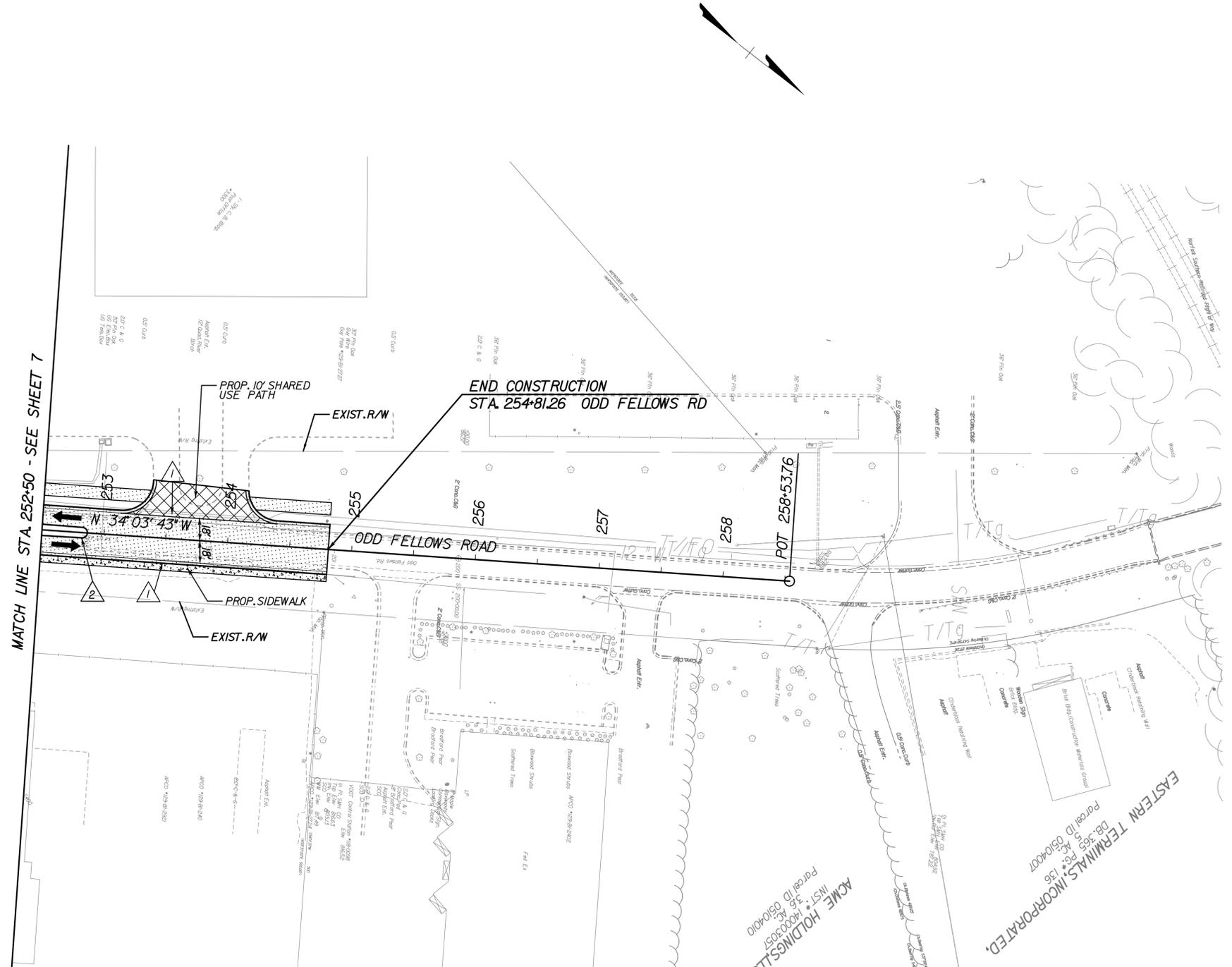
PROJECT MANAGER XXX-XXX-XXXX  
 SURVEYED BY XXX-XXX-XXXX  
 DESIGN SUPERVISED BY XXX-XXX-XXXX  
 DESIGNED BY Parsons Brinckerhoff (757) 466-1732

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE		SHEET NO.
	ROUTE	PROJECT		
	VA.	460	9999-118-240	8

ODD FELLOWS ROAD

RFP PLANS  
 For Information Only  
 DATE: 12/11/2014



LEGEND

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REFERENCES  
 (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Typical Section 2A(2)

PROJECT MANAGER XXX-XXX-XXXX  
SURVEYED BY XXX-XXX-XXXX  
DESIGN SUPERVISED BY XXX-XXX-XXXX  
DESIGNED BY Parsons Brinckerhoff (757) 466-1732

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	460		9999-118-240	9

ROUTE 460

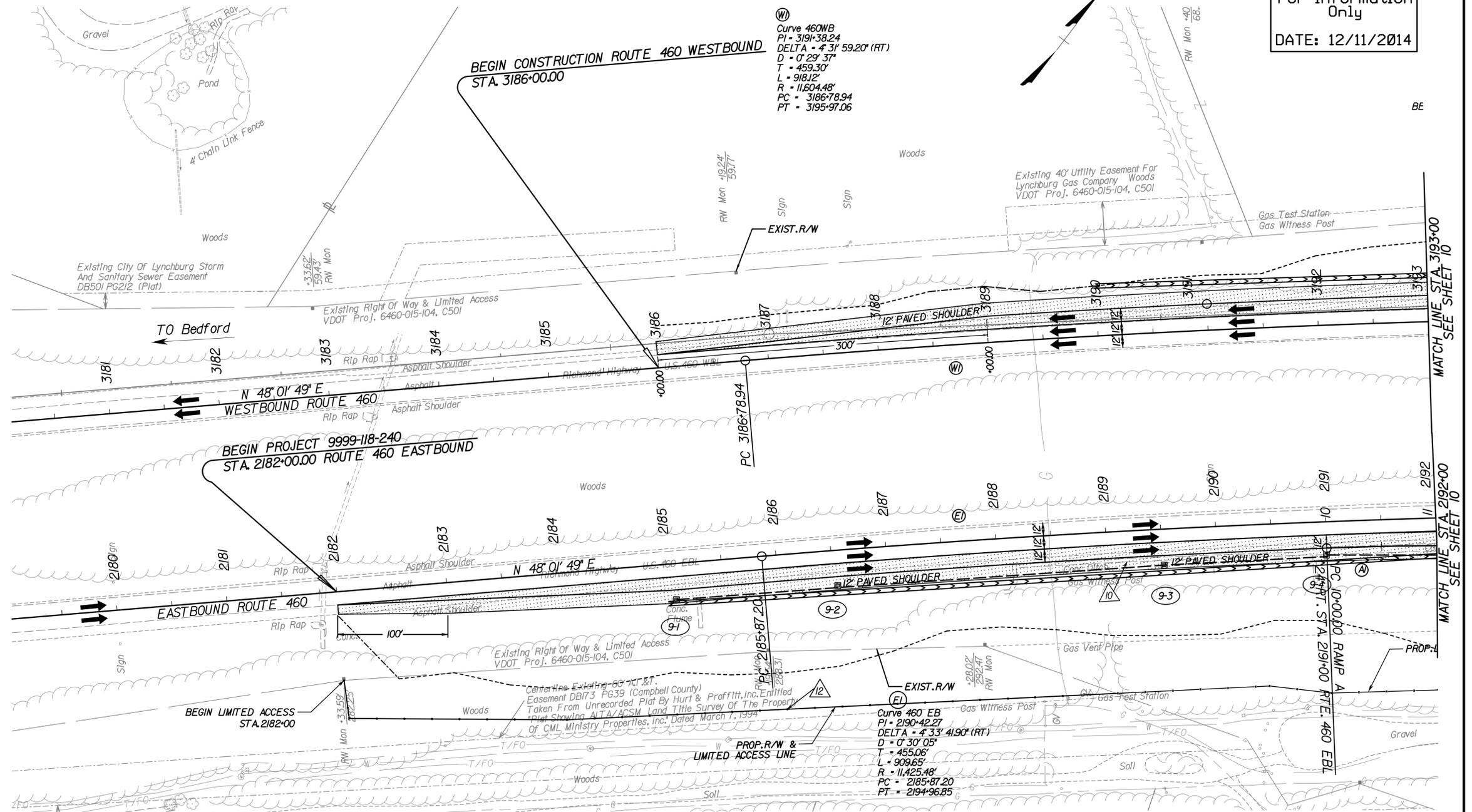
RFP PLANS  
For Information Only  
DATE: 12/11/2014

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REFERENCES  
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Typical Section 2A



PROJECT MANAGER XXX-XXX-XXXX  
 SURVEYED BY XXX-XXX-XXXX  
 DESIGN SUPERVISED BY XXX-XXX-XXXX  
 DESIGNED BY Parsons Brinckerhoff (757) 466-1732

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

STATE	ROUTE	PROJECT	SHEET NO.
VA.	460	9999-118-240	10

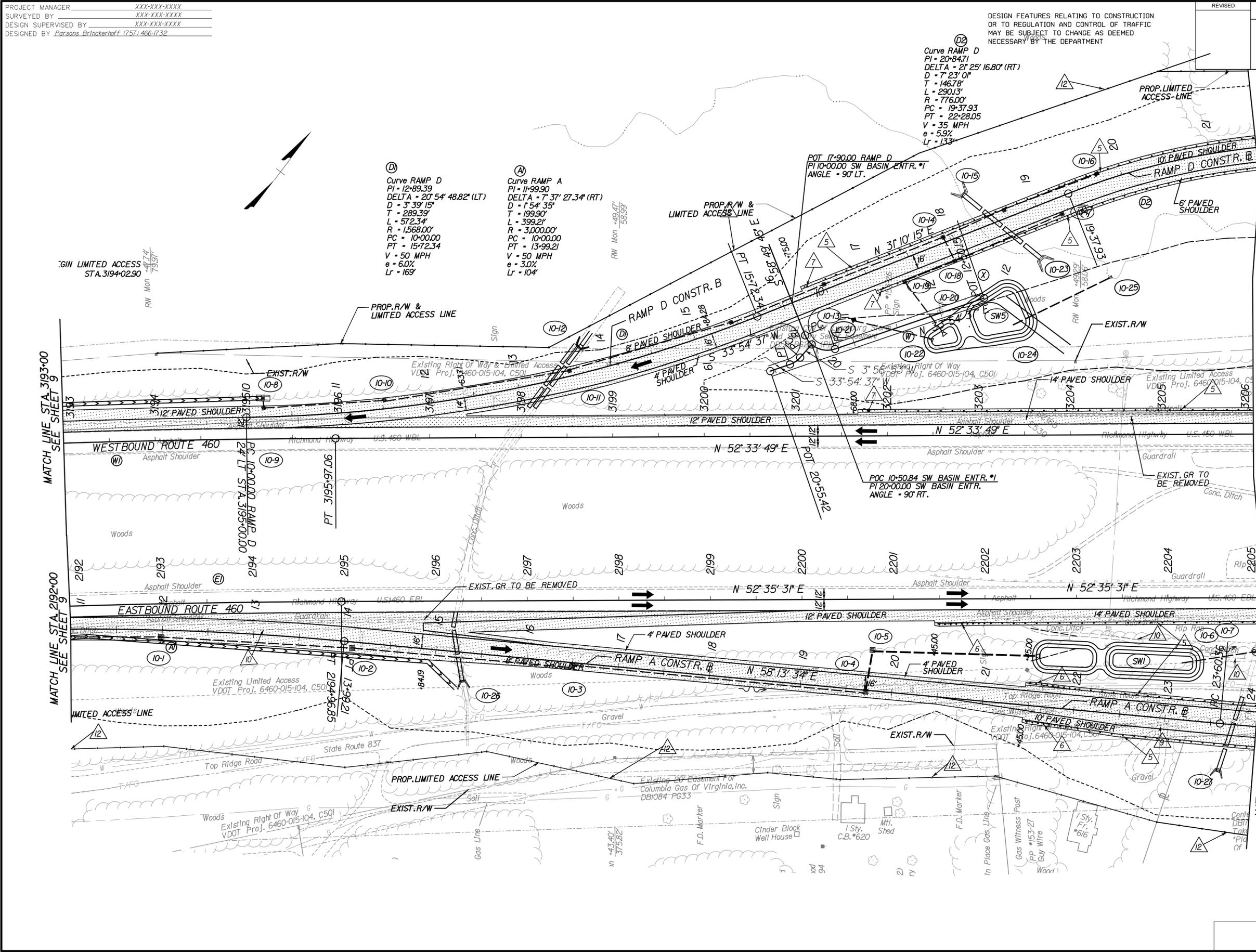
ROUTE 460

RFP PLANS  
 For Information Only  
 DATE: 12/11/2014

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REFERENCES  
 (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Typical Section 2A



PROJECT	SHEET NO.
9999-118-240	10

PROJECT MANAGER: XXX-XXX-XXXX  
 SURVEYED BY: XXX-XXX-XXXX  
 DESIGN SUPERVISED BY: XXX-XXX-XXXX  
 DESIGNED BY: Parsons Brinckerhoff (757) 466-1732

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	460	9999-118-240	11

ROUTE 460

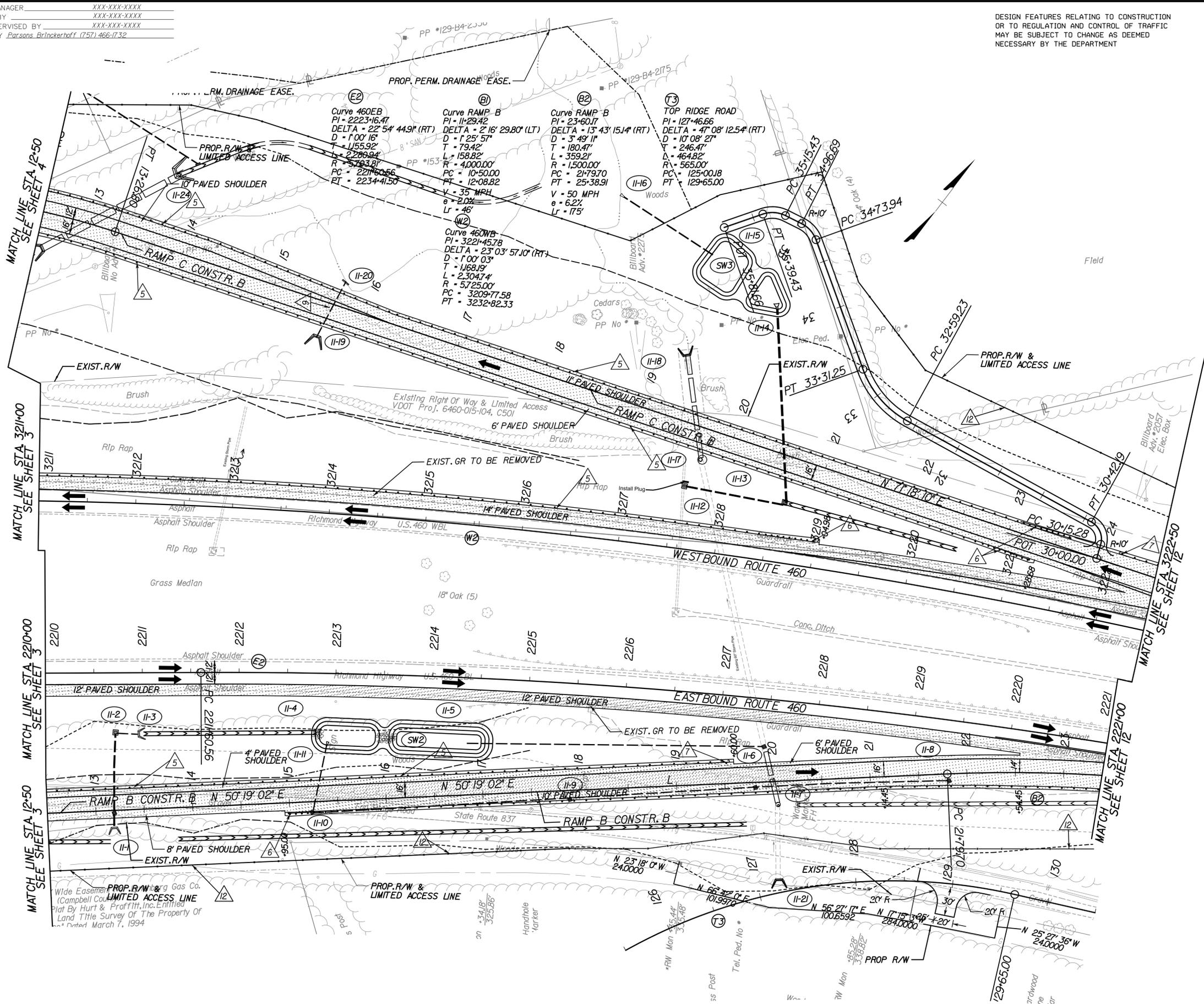
RFP PLANS  
 For Information Only  
 DATE: 12/11/2014

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REFERENCES  
 (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Typical Section 2A



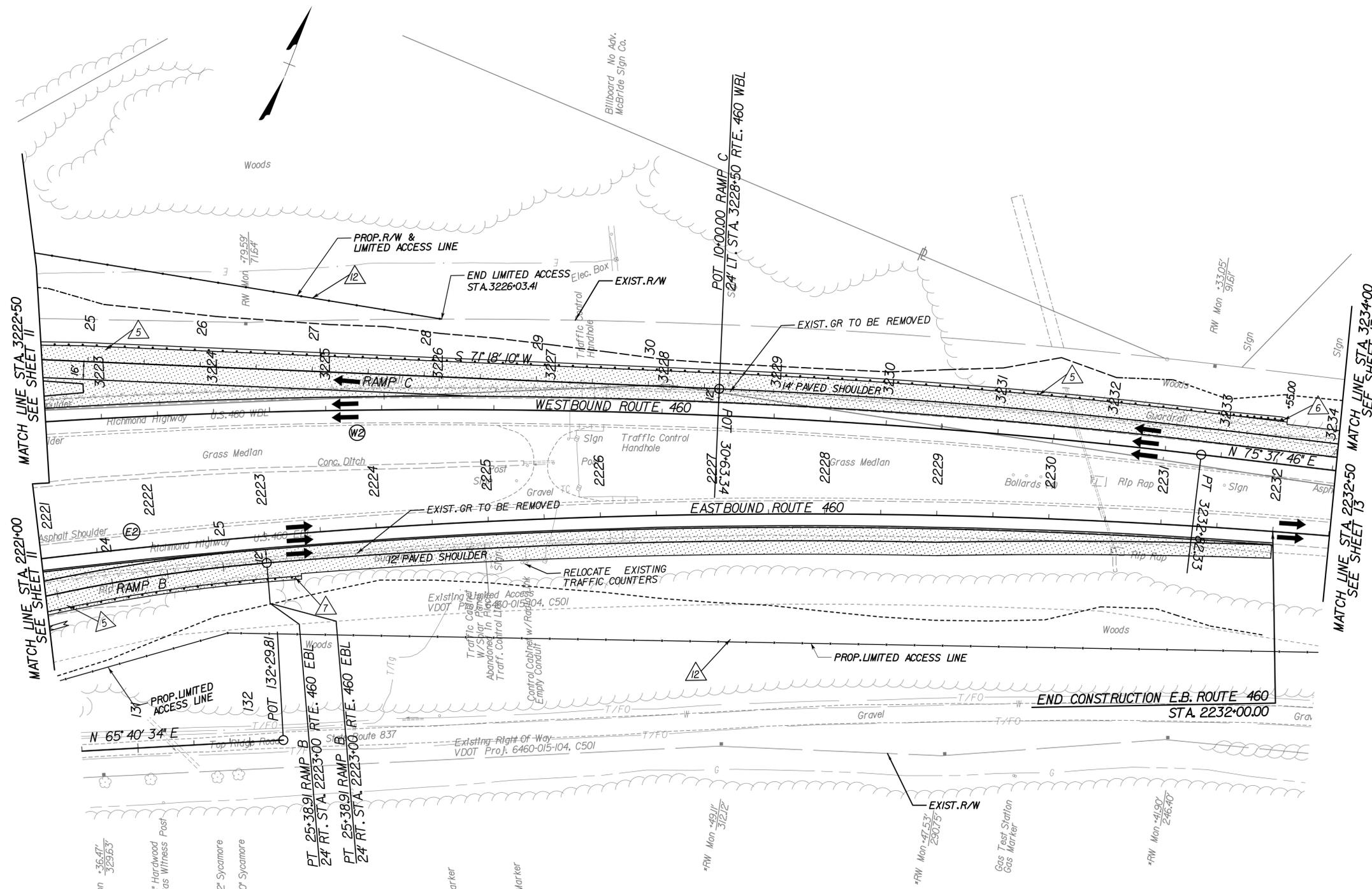
PROJECT MANAGER XXX-XXX-XXXX  
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DESIGNED BY Parsons Brinckerhoff (757) 466-1732

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REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	460		9999-118-240	12

ROUTE 460

RFP PLANS  
For Information  
Only  
DATE: 12/11/2014



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REFERENCES  
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Typical Section 2A

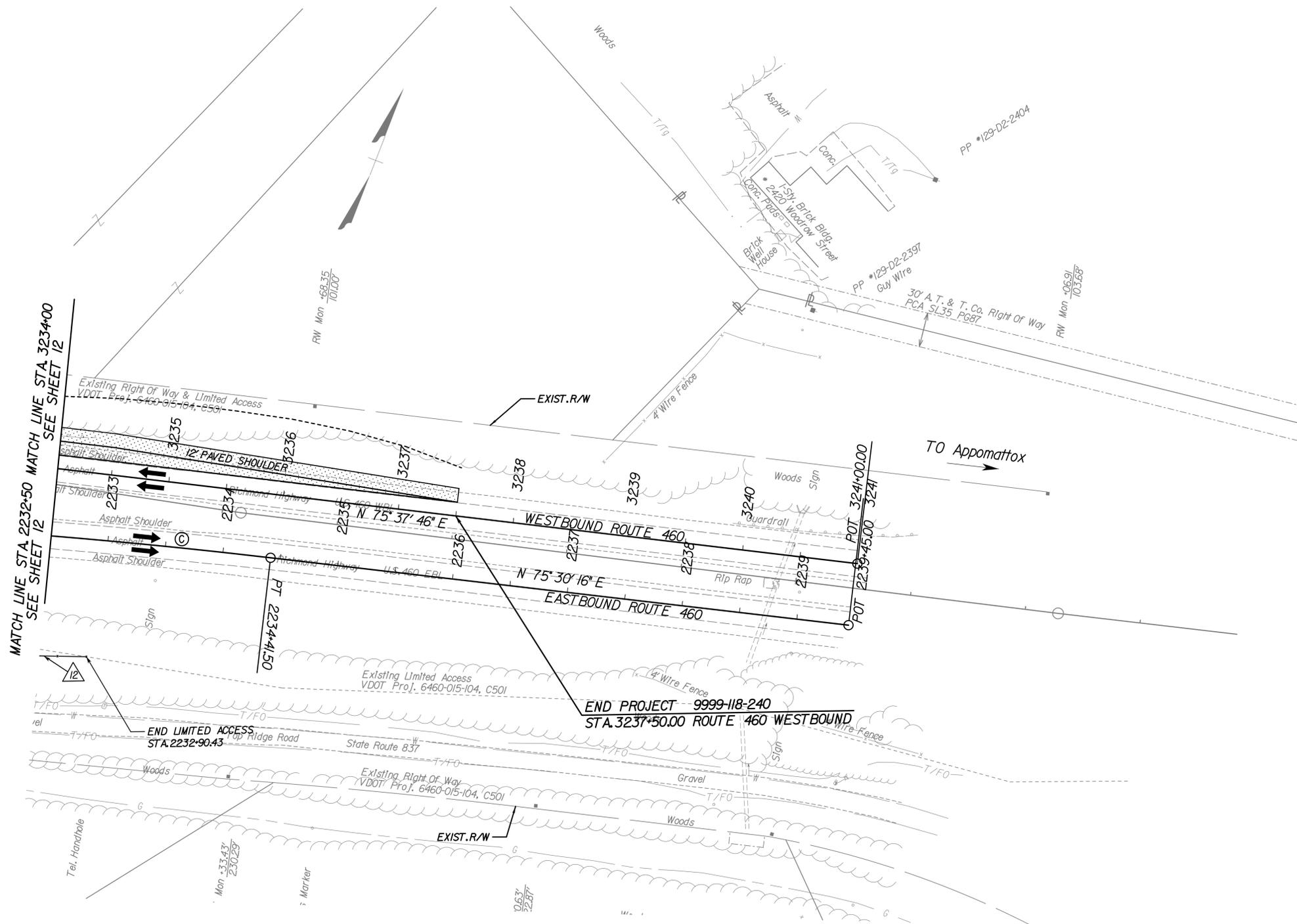
PROJECT MANAGER XXX-XXX-XXXX  
SURVEYED BY XXX-XXX-XXXX  
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DESIGNED BY Parsons Brinckerhoff (757) 466-1732

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REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	460		9999-118-240	13

### ROUTE 460

RFP PLANS  
For Information  
Only  
DATE: 12/11/2014



#### LEGEND

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#### REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Typical Section 2A

STATE	FEDERAL AID		STATE		SHEET
ROUTE	PROJECT	ROUTE	PROJECT	NO.	
VA.	N/A	29	9999-118-240, B624	I	
NBIS Number:	TBD	UPC No.	TBD		
Federal Oversight Code:	NFO	FHWA Construction and Scour Code:	X781-SN		

DESIGN EXCEPTION(S):  
None.

GENERAL NOTES:

The original approved sheet, including original signatures, is filed in the VDOT Central Office. Any misuse of electronic files, including scanned signatures is illegal. Violators will be prosecuted to the full extent of the applicable laws.

Width: 77'-6" face-to-face of rails. Includes 17'-6" shared use path.  
Span layout: 140' - 140' prestressed concrete 77" deep bulb-T beam spans continuous for live load.

Capacity: HL-93 loading.

Specifications:

Construction: Virginia Department of Transportation Road and Bridge Specifications, 2007.

Design: AASHTO LRFD Bridge Design Specifications, 6th Edition, 2012; and VDOT Modifications.

Standards: Virginia Department of Transportation Road and Bridge Standards, 2008.

These plans are incomplete unless accompanied by the Supplemental Specifications and Special Provisions included in the contract documents.

Design loading includes 20 psf allowance for construction tolerances and construction methods.

Design loading includes 15 psf allowance for future wearing surface.

Concrete in superstructure including parapets, integral abutment backwalls, sidewalks, median and terminal walls shall be Class A4; in abutment footings and pier, Class A3.

Prestressed concrete in beams shall be Class A5 having a minimum compressive cylinder strength at 28 days equal to 10,000 psi and a minimum compressive cylinder strength at time of release of strands equal to 8,000 psi.

All reinforcing steel shall be deformed and shall conform to ASTM A615, Grade 60 except for reinforcing steels noted as CRR (corrosion resistant reinforcing) which shall conform to applicable specifications noted in the special provisions. All reinforcing bar dimensions on the detailed drawings are to centers of bars except where otherwise noted and are subject to fabrication and construction tolerances.

Corrosion resistant reinforcing (CRR) steels shall conform to one or more of the three classes listed in the special provision. The minimum yield strength shall be: 100 ksi for low carbon/chromium and 60 ksi for stainless clad steel or solid stainless steel. The classes of CRR steel(s) required on this project is/are noted on the plan sheets and in the reinforcing steel schedule. Corrosion Resistant Reinforcing Steel, Class II or Class III may be substituted for Class I. Corrosion Resistant Reinforcing Steel, Class III, may be substituted for Class II.

Low permeability concrete shall be used on this project.



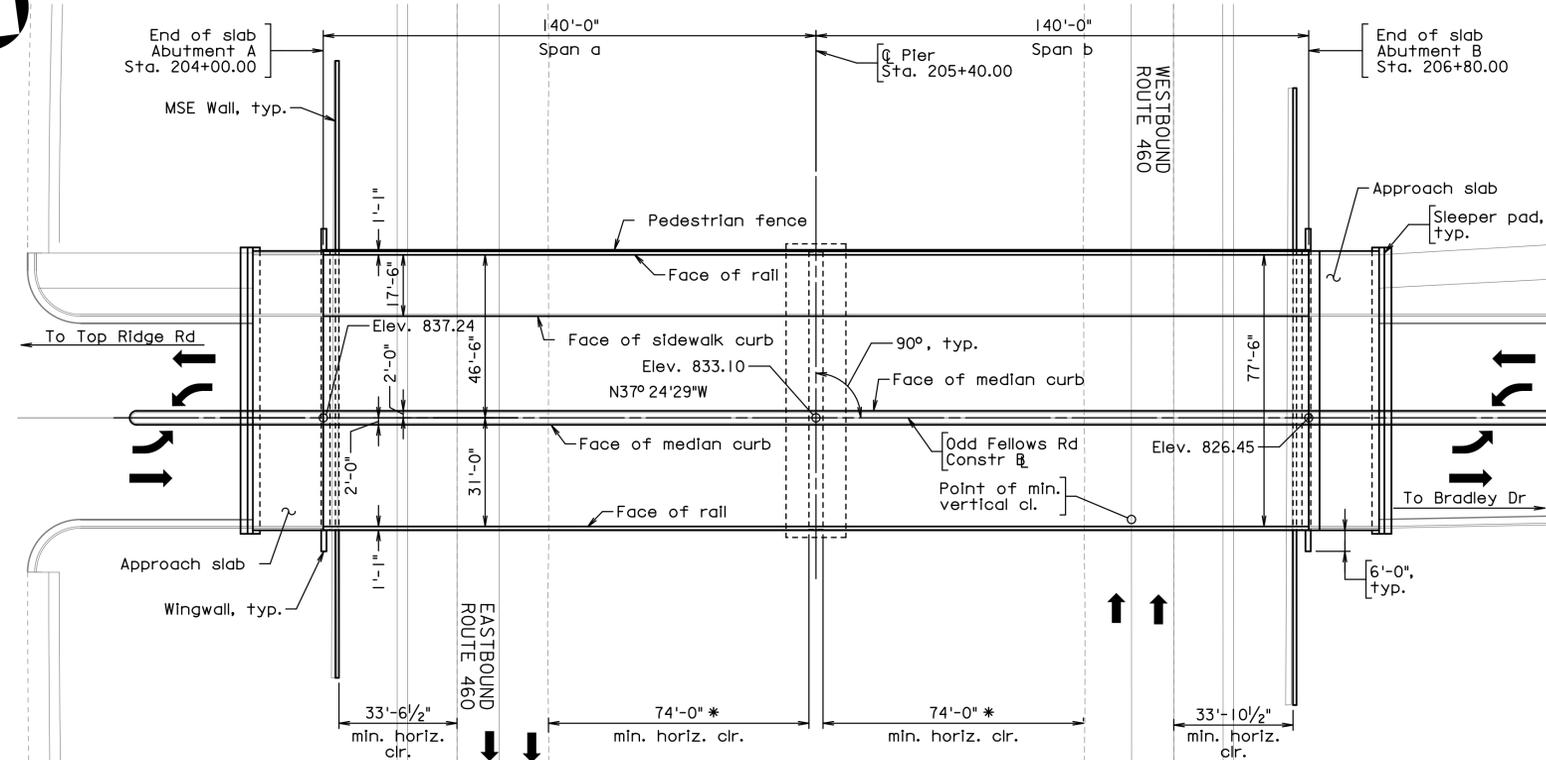
COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
PROPOSED BRIDGE ON

ODD FELLOWS ROAD OVER  
ROUTE 29/460  
PROJ. 9999-118-240, B624

Recommended for Approval: \_\_\_\_\_ Date \_\_\_\_\_  
Developer's Designee

Approved: \_\_\_\_\_ Date \_\_\_\_\_  
Chief Engineer

Date: \_\_\_\_\_ © 2014, Commonwealth of Virginia Sheet I of --

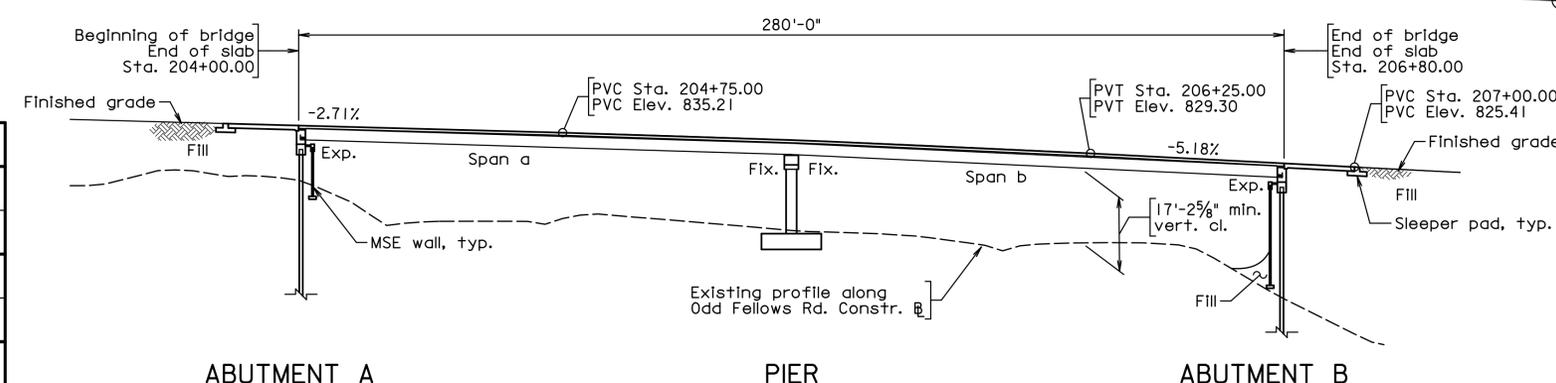


PLAN

\* Provides 62'-0" min. horizontal clearance to future 12'-0" lane

STA = 205+50.00  
EL = 833.18  
SSD = 512'  
K = 61  
L = 150.00  
V = 40 MPH  
-2.71% -5.18%

STA = 211+00.00  
EL = 804.70  
K = 66  
L = 800.00  
V = 40 MPH  
-5.18% +6.90%



ABUTMENT A

PIER

ABUTMENT B

DEVELOPED SECTION ALONG  
ODD FELLOWS RD CONSTR. B

PRELIMINARY PLANS  
THESE PLANS NOT TO BE USED  
FOR CONSTRUCTION OF BRIDGE

Scale 1" = 25'-0"

No.	Description	Date
REVISIONS		
For Table of Revisions, see Sheet ----		

OFFR-CB01-GPE-001.dgn 141210

RECOMMENDED FOR APPROVAL FOR CONSTRUCTION

VDOT PROJECT MANAGER

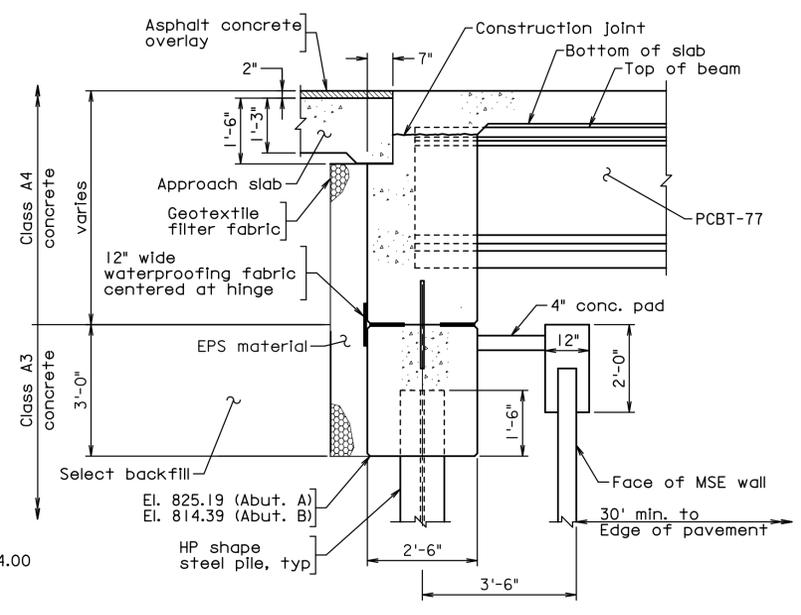
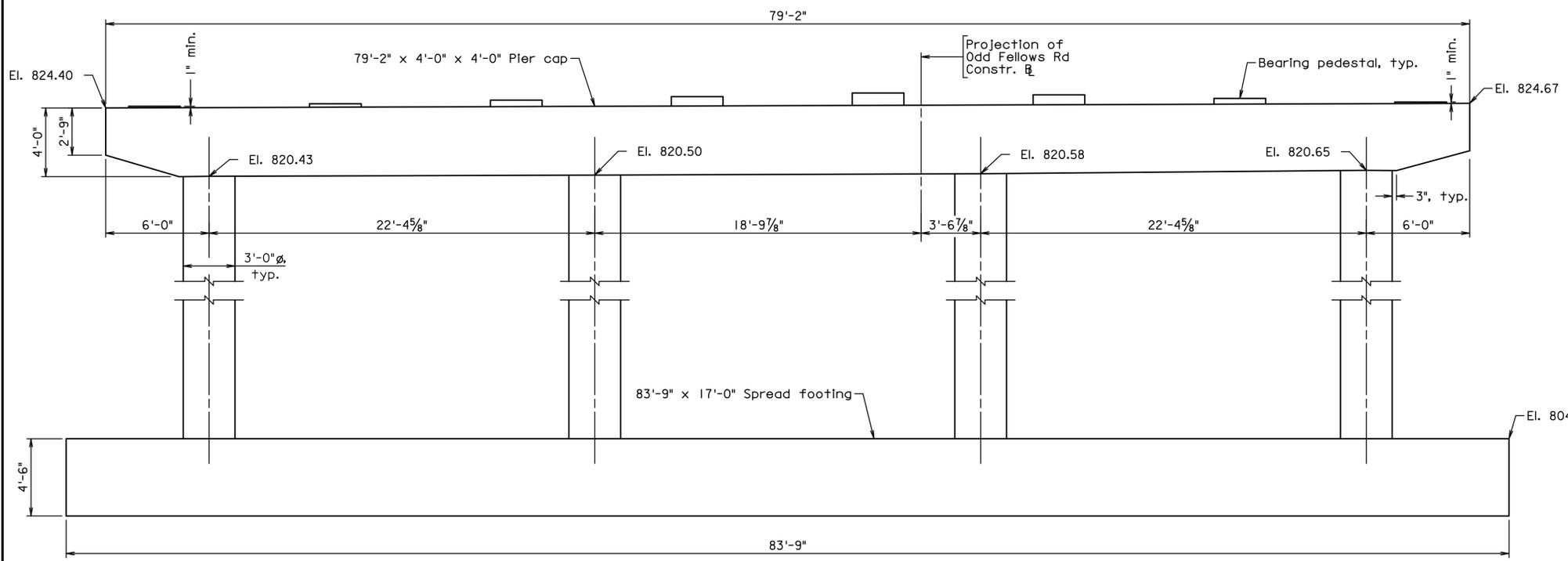
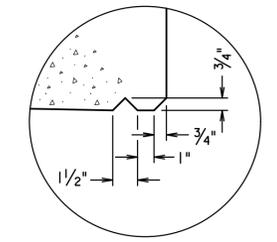
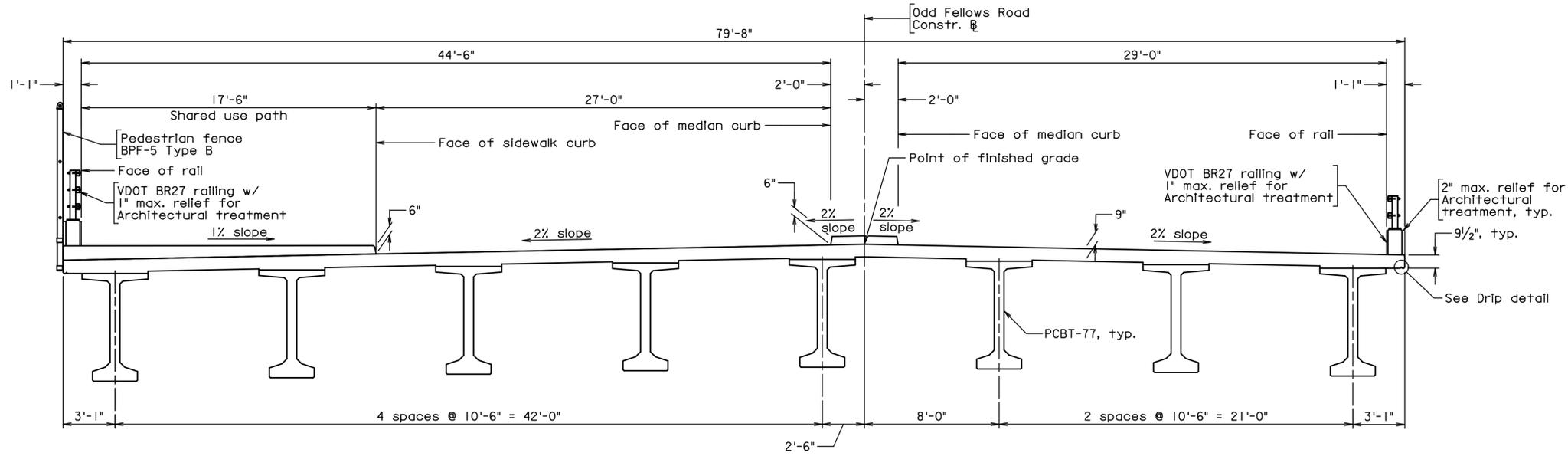
DISTRICT CONSTRUCTION MANAGER

PARSONS BRINCKERHOFF  
VIRGINIA BEACH, VA  
STRUCTURAL ENGINEER

PLANS BY:	Parsons Brinckerhoff
COORDINATED:	-
SUPERVISED:	-
DESIGNED:	-
DRAWN:	-
CHECKED:	-

STATE	FEDERAL AID		STATE		SHEET
ROUTE	PROJECT		ROUTE	PROJECT	NO.
VA.			29	9999-118-240, B624	2

Notes:  
1. For General Plan and Elevation, see sheet 1.



OFR-CB01-SXN-002.dgn 141210

**PRELIMINARY PLANS**  
THESE PLANS NOT TO BE USED FOR CONSTRUCTION OF BRIDGE

COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION STRUCTURE AND BRIDGE DIVISION			
<b>TRANSVERSE SECTION AND SUBSTRUCTURE DETAILS</b>			
No.	Description	Date	Sheet No.
	Revisions	DESIGNED: BAK DRAWN: PCS CHECKED: DEC. 2014	2

PARSONS BRINCKERHOFF  
VIRGINIA BEACH, VA  
STRUCTURAL ENGINEER

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**Attachment 4.2.4:  
Proposal Schedule**

**ODD Fellows Rd. Proposal Schedule**

General WBS Layout

09-Dec-14 13:53

Activity ID	Activity Name	Calendar	Original Duration	Remaining Duration	Activity % Complete	Start	Finish	Total Float	2015												2016												2017												2018												2019											
									D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A																			
<b>ODD Fellows Rd. Proposal Schedule</b>									03-Aug-18, ODD F																																																											
00019	General Conditions	7Day	1263	1263	0%	18-Feb-15	03-Aug-18	0	General Conditions																																																											
<b>Project Milestones</b>									03-Aug-18, Project																																																											
0005	NTP	7Day	0	0	0%	18-Feb-15		0	NTP																																																											
0056	Scheduling Conference	7Day	0	0	0%	20-Mar-15		259	Scheduling Conference																																																											
0016	Advanced Payment \$30,000.00	7Day	0	0	0%		20-Mar-15*	0	Advanced Payment \$30,000.00																																																											
A2400	Kick Off Meeting	7Day	0	0	0%	20-Mar-15		0	Kick Off Meeting																																																											
0076	Pardon Our Dust Meeting	7Day	0	0	0%		13-Apr-15	358	Pardon Our Dust Meeting																																																											
0008	Scope Validation Period	7Day	120	120	0%	28-Mar-15	25-Jul-15	199	Scope Validation Period																																																											
0058	VDOT Issues Notice to Commence Right-of-Way Acquisition	7Day	0	0	0%	09-Aug-15		0	VDOT Issues Notice to Commence Right-of-Way Acquisition																																																											
0059	VDOT Issues Notice to Commence Construction	7Day	5	5	0%	20-Jan-16	24-Jan-16	72	VDOT Issues Notice to Commence Construction																																																											
00017	No Excuse Incentive Completion	7Day	0	0	0%		26-Jul-17*	149	No Excuse Incentive Completion																																																											
0007	Final Completion	7Day	0	0	0%		03-Aug-18*	0	Final Completion																																																											
<b>Submittals</b>									02-Jul-18, Submittals																																																											
<b>QA/QC Plan for Construction</b>									21-Sep-15, QA/QC Plan for Construction																																																											
0075	Develop Quality Assurance Auditing & Nonconformance Recovery Plan (AR Plan)	7Day	14	14	0%	16-Jun-15	21-Sep-15	229	Develop Quality Assurance Auditing & Nonconformance Recovery Plan (AR Plan)																																																											
0074	Prepare and Present QA/QC Plan	7Day	5	5	0%	30-Jun-15	04-Jul-15	229	Prepare and Present QA/QC Plan																																																											
A2100	Submit	7Day	0	0	0%	05-Jul-15		229	Submit																																																											
A2110	VDOT Review	7Day	21	21	0%	05-Jul-15	25-Jul-15	229	VDOT Review																																																											
A2120	Receive VDOT Comments	7Day	0	0	0%		25-Jul-15	229	Receive VDOT Comments																																																											
A2130	Prepare / Develop Final QA/QC Plan for Construction	7Day	5	5	0%	26-Jul-15	30-Jul-15	229	Prepare / Develop Final QA/QC Plan for Construction																																																											
A2140	Re-submit	7Day	0	0	0%	31-Jul-15		229	Re-submit																																																											
A2160	Receive VDOT Comments	7Day	0	0	0%		20-Aug-15	229	Receive VDOT Comments																																																											
A2150	VDOT Review	7Day	21	21	0%	31-Jul-15	20-Aug-15	229	VDOT Review																																																											
A11500	QA / QC Presentation (Range of Available Dates)	7Day	32	32	0%	21-Aug-15	21-Sep-15	229	QA / QC Presentation (Range of Available Dates)																																																											
<b>Quarterly Meetings - Rte 29/460 - Access Management Contractors</b>									02-Jul-18, Quarterly Meeting																																																											
QRM05	Quarterly Review Meeting - 01	7Day	0	0	0%	13-Feb-16		33	Quarterly Review Meeting - 01																																																											
QRM06	Quarterly Review Meeting - 02	7Day	0	0	0%	13-May-16		33	Quarterly Review Meeting - 02																																																											
QRM07	Quarterly Review Meeting - 03	7Day	0	0	0%	11-Aug-16		33	Quarterly Review Meeting - 03																																																											
QRM08	Quarterly Review Meeting - 04	7Day	0	0	0%	09-Nov-16		33	Quarterly Review Meeting - 04																																																											
QRM09	Quarterly Review Meeting - 05	7Day	0	0	0%	07-Feb-17		33	Quarterly Review Meeting - 05																																																											
QRM010	Quarterly Review Meeting - 06	7Day	0	0	0%	08-May-17		33	Quarterly Review Meeting - 06																																																											
QRM011	Quarterly Review Meeting - 07	7Day	0	0	0%	06-Aug-17		33	Quarterly Review Meeting - 07																																																											
QRM012	Quarterly Review Meeting - 08	7Day	0	0	0%	04-Nov-17		33	Quarterly Review Meeting - 08																																																											
QRM013	Quarterly Review Meeting - 09	7Day	0	0	0%	02-Feb-18		33	Quarterly Review Meeting - 09																																																											
QRM014	Quarterly Review Meeting - 10	7Day	0	0	0%	03-May-18		33	Quarterly Review Meeting - 10																																																											
QRM015	Quarterly Review Meeting - 11	7Day	0	0	0%	02-Jul-18		33	Quarterly Review Meeting - 11																																																											
<b>Notice of Intent Letter for Design Survey</b>									24-Mar-15, Notice of Intent Letter for Design Survey																																																											

■ Remaining Level of Effort ■ Actual Work ■ Remaining Work ■ Critical Remaining Work  
◆ Milestone









**ODD Fellows Rd. Proposal Schedule**

General WBS Layout

09-Dec-14 13:53

Activity ID	Activity Name	Calendar	Original Duration	Remaining Duration	Activity % Complete	Start	Finish	Total Float	2015												2016												2017												2018												2019			
									D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M
<b>Roadway Design 90%</b>									▼ 26-Oct-15, Roadway Design 90%																																																			
00195	Prepare Roadway 90%	7Day	14	14	0%	22-Sep-15	05-Oct-15	50	█ Prepare Roadway 90%																																																			
A6650	Submit	7Day	0	0	0%	06-Oct-15		50	◆ Submit																																																			
A6660	VDOT Review	7Day	21	21	0%	06-Oct-15	26-Oct-15	50	█ VDOT Review																																																			
A6670	Receive VDOT Approval	7Day	0	0	0%		26-Oct-15	50	◆ Receive VDOT Approval																																																			
<b>Roadway Design RFC</b>									▼ 31-Dec-15, Roadway Design RFC																																																			
00385	Prepare Roadway RFC	7Day	14	14	0%	01-Nov-15	14-Nov-15	45	█ Prepare Roadway RFC																																																			
A10910	Submit	7Day	0	0	0%	15-Nov-15		45	◆ Submit																																																			
A10920	VDOT Review	7Day	21	21	0%	15-Nov-15	05-Dec-15	45	█ VDOT Review																																																			
A10930	Receive VDOT Comments	7Day	0	0	0%		05-Dec-15	45	◆ Receive VDOT Comments																																																			
A10940	Submittal Revisions	7Day	5	5	0%	06-Dec-15	10-Dec-15	45	▮ Submittal Revisions																																																			
A10950	Re-submit	7Day	0	0	0%	11-Dec-15		45	◆ Re-submit																																																			
A10960	VDOT Review	7Day	21	21	0%	11-Dec-15	31-Dec-15	45	█ VDOT Review																																																			
A10970	Receive VDOT Comments	7Day	0	0	0%		31-Dec-15	45	◆ Receive VDOT Comments																																																			
<b>Bridge Design</b>									▼ 16-Dec-15, Bridge Design																																																			
<b>TS &amp; L</b>									▼ 07-Aug-15, TS & L																																																			
00425	Prepare Type, Size, and Location, Preliminary Design Report	7Day	60	60	0%	19-May-15	17-Jul-15	111	█ Prepare Type, Size, and Location, Preliminary Design Report																																																			
A12470	Submit	7Day	0	0	0%	18-Jul-15		111	◆ Submit																																																			
A12480	VDOT Review	7Day	21	21	0%	18-Jul-15	07-Aug-15	111	█ VDOT Review																																																			
<b>60% Bridge Plans</b>									▼ 11-Sep-15, 60% Bridge Plans																																																			
00435	Prepare 60% Bridge Plans	7Day	14	14	0%	08-Aug-15	21-Aug-15	111	█ Prepare 60% Bridge Plans																																																			
A12540	Submit	7Day	0	0	0%	22-Aug-15		111	◆ Submit																																																			
A12550	VDOT Review	7Day	21	21	0%	22-Aug-15	11-Sep-15	111	█ VDOT Review																																																			
<b>90% Bridge Plans</b>									▼ 16-Oct-15, 90% Bridge Plans																																																			
00445	Prepare 90% Bridge Plans	7Day	14	14	0%	12-Sep-15	25-Sep-15	111	█ Prepare 90% Bridge Plans																																																			
A12610	Submit	7Day	0	0	0%	26-Sep-15		111	◆ Submit																																																			
A12620	VDOT Review	7Day	21	21	0%	26-Sep-15	16-Oct-15	111	█ VDOT Review																																																			
<b>RFC Bridge Plans</b>									▼ 16-Dec-15, RFC Bridge Plans																																																			
00455	Prepare RFC Bridge Plans	7Day	14	14	0%	17-Oct-15	30-Oct-15	111	█ Prepare RFC Bridge Plans																																																			
A12680	Submit	7Day	0	0	0%	31-Oct-15		111	◆ Submit																																																			
A12690	VDOT Review	7Day	21	21	0%	31-Oct-15	20-Nov-15	111	█ VDOT Review																																																			
A12700	Receive VDOT Comments	7Day	0	0	0%		20-Nov-15	111	◆ Receive VDOT Comments																																																			
A12710	Submittal Revisions	7Day	5	5	0%	21-Nov-15	25-Nov-15	111	▮ Submittal Revisions																																																			
A12720	Re-submit	7Day	0	0	0%	26-Nov-15		111	◆ Re-submit																																																			
A12730	VDOT Review	7Day	21	21	0%	26-Nov-15	16-Dec-15	111	█ VDOT Review																																																			
A12740	Receive VDOT Comments	7Day	0	0	0%		16-Dec-15	111	◆ Receive VDOT Comments																																																			
<b>Temporary Traffic Signal Plans</b>									▼ 31-Oct-15, Temporary Traffic Signal Plans																																																			
0049	Prepare Temp Traffic Signal Plans	7Day	14	14	0%	19-May-15	01-Jun-15	215	█ Prepare Temp Traffic Signal Plans																																																			
A6370	Submit	7Day	0	0	0%	02-Jun-15		215	◆ Submit																																																			

█ Remaining Level of Effort    ▼ Summary  
█ Actual Work  
█ Remaining Work  
█ Critical Remaining Work  
◆ Milestone





























**ODD Fellows Rd. Proposal Schedule**

General WBS Layout

09-Dec-14 13:53

Activity ID	Activity Name	Calendar	Original Duration	Remaining Duration	Activity % Complete	Start	Finish	Total Float	2015												2016												2017												2018												2019																																															
									D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A																																											
<b>As-Builts Load Ratings - Bridges</b>									▼ 11-Feb-18, As-Builts Load Ratings																																																																																															
A11820	Prepare As-Builts	7Day	61	61	0%	13-Dec-17	11-Feb-18	173																																																																																																
A11830	Submit	7Day	14	14	0%	27-Dec-17	26-Dec-17	138																																																																																																
A11840	VDOT Review	7Day	0	0	0%	27-Dec-17	16-Jan-18	138																																																																																																
A11850	Receive VDOT Comments	7Day	21	21	0%	27-Dec-17	16-Jan-18	138																																																																																																
A11860	Submittal Revisions	7Day	0	0	0%	17-Jan-18	21-Jan-18	173																																																																																																
A11870	Re-submit	7Day	5	5	0%	17-Jan-18	21-Jan-18	173																																																																																																
A11880	VDOT Review	7Day	0	0	0%	22-Jan-18	11-Feb-18	173																																																																																																
A11890	Receive VDOT Comments	7Day	21	21	0%	22-Jan-18	11-Feb-18	173																																																																																																
<b>As-Built - Shop Drawings - Bridges</b>									▼ 18-Mar-18, As-Built - Shop Dr																																																																																															
A11900	Prepare As-Builts	7Day	61	61	0%	17-Jan-18	18-Mar-18	138																																																																																																
A11910	Submit	7Day	14	14	0%	17-Jan-18	30-Jan-18	138																																																																																																
A11920	VDOT Review	7Day	0	0	0%	31-Jan-18	20-Feb-18	138																																																																																																
A11930	Receive VDOT Comments	7Day	21	21	0%	31-Jan-18	20-Feb-18	138																																																																																																
A11940	Submittal Revisions	7Day	0	0	0%	20-Feb-18	18-Mar-18	138																																																																																																
A11950	Re-submit	7Day	5	5	0%	21-Feb-18	25-Feb-18	138																																																																																																
A11960	VDOT Review	7Day	0	0	0%	26-Feb-18	18-Mar-18	138																																																																																																
A11970	Receive VDOT Comments	7Day	21	21	0%	26-Feb-18	18-Mar-18	138																																																																																																
<b>Traffic Control Diary</b>									▼ 18-Mar-18, Traffic Control Dia																																																																																															
00415	Compile Records of Traffic Control Diary for Submission	7Day	61	61	0%	17-Jan-18	18-Mar-18	138																																																																																																
A11520	Submit	7Day	14	14	0%	17-Jan-18	30-Jan-18	138																																																																																																
A11530	VDOT Review	7Day	0	0	0%	31-Jan-18	20-Feb-18	138																																																																																																
A11540	Receive VDOT Comments	7Day	21	21	0%	31-Jan-18	20-Feb-18	138																																																																																																
A11550	Submittal Revisions	7Day	0	0	0%	20-Feb-18	18-Mar-18	138																																																																																																
A11560	Re-submit	7Day	5	5	0%	21-Feb-18	25-Feb-18	138																																																																																																
A11570	VDOT Review	7Day	0	0	0%	26-Feb-18	18-Mar-18	138																																																																																																
A11580	Receive VDOT Comments	7Day	21	21	0%	26-Feb-18	18-Mar-18	138																																																																																																

- Remaining Level of Effort
- Actual Work
- Remaining Work
- Critical Remaining Work
- Milestone





**W.C. English, Inc.**

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