LETTER OF SUBMITTAL
Volume 1

WALNEY ROAD BRIDGE REPLACEMENT AND ROAD WIDENING

A DESIGN-BUILD PROJECT

From: Westfields Boulevard (Route 6755) To: Willard Road (Route 6215) and From: Dallas Street (Route 745) To: 250 Feet North of Dallas Street

Fairfax County, VA

State Project No.: 0657-029-099, R201, C501, B641
Federal Project No.: STP-5A01(471)
Contract ID Number: C00104103DB62

December 30, 2013
ATTACHMENT 4.0.1.1  
WALNEY ROAD BRIDGE REPLACEMENT AND ROAD WIDENING  
PROJECT NO. 0657-029-099, R201, C501, B641  
LETTER OF SUBMITTAL CHECKLIST AND CONTENTS

Offerors shall furnish a copy of this Letter of Submittal Checklist, with the page references added, with the Letter of Submittal.

<table>
<thead>
<tr>
<th>Letter of Submittal Component</th>
<th>Form (if any)</th>
<th>RFP Part 1 Cross Reference</th>
<th>Page Reference</th>
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<tr>
<td>Letter of Submittal (LOS) Checklist and Contents</td>
<td>Attachment 4.0.1.1</td>
<td>Section 4.0.1.1</td>
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<td>Acknowledgement of RFP, Revisions, and/or Addenda</td>
<td>Attachment 3.6</td>
<td>Sections 3.6; 4.0.1.1</td>
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<td>Section 4.1.7 Agreement 1-Agreement 4</td>
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<td>Section 4.1.8 Debarment 1 – Debarment 10</td>
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# LETTER OF SUBMITTAL CHECKLIST AND CONTENTS

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<td>NA</td>
<td>Section 4.2.2</td>
<td>Volume 2</td>
</tr>
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<td>Conceptual Roadway Plans – Typical Sections</td>
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<td>Volume 2</td>
</tr>
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<td>Conceptual Structural Plans – Elevation View</td>
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<td>Section 4.2.3</td>
<td>Volume 2</td>
</tr>
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<td>Conceptual Roadway Plans – Transverse Section</td>
<td>NA</td>
<td>Section 4.2.3</td>
<td>Volume 2</td>
</tr>
<tr>
<td>Conceptual Roadway Plans – Abutment Configuration</td>
<td>NA</td>
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<td>NA</td>
<td>Section 4.2.4.1</td>
<td>12 – 17</td>
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<td>Proposal Schedule Narrative</td>
<td>NA</td>
<td>Section 4.2.4.2</td>
<td>6 – 11</td>
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<td>Proposal Schedule in electronic format (CD- or DVD-ROM)</td>
<td>NA</td>
<td>Section 4.2.4</td>
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ATTACHMENT 3.6

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION

RFP NO.: C00104103DB62
PROJECT NO.: 0657-029-099, R201, C501, B641

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 13, 2013 – RFP (Date)
2. Cover letter of November 18, 2013 – Addendum #1 (Date)
3. Cover letter of December 18, 2013 – Addendum #2 (Date)

Richard A. McDonough
The Lane Construction Corporation

December 30, 2013
DATE

District Manager
TITLE
December 30, 2013

Kevin C. Reichert, P.E.
Virginia Department of Transportation
1401 East Broad Street
Annex Building, 8th Floor
Richmond, Virginia 23219

RE: Walney Road Bridge Replacement and Road Widening
State Project No.: 0657-029-099, R201, C501, B641
Federal Project No.: STP-5A01(471)
Contract ID Number: C00104103DB62

Dear Mr. Reichert:

The Lane Construction Corporation (LANE) is pleased to offer our Letter of Submittal for the above referenced project to the Virginia Department of Transportation (VDOT). Our response contains all information requested in the RFP. LANE is teamed with Johnson, Mirmiran and Thompson (JMT), Lead Design Consultant. Our team provides VDOT and the local stakeholders a reputable team with a solid history of on-time and on-budget project completion. Our joint experience and proximity to the project site will enable us to deliver a high-quality, technically-sound project that VDOT expects and deserves.

4.1.1 Identification of Legal Entity Who Will Execute the Contract with VDOT:

The Lane Construction Corporation
90 Fieldstone Court
Cheshire, CT 06410

4.1.2 Offeror’s Intent: LANE’s intention is to enter into a contract with VDOT for the Project in accordance with the terms of the RFP or any subsequent Addenda.

4.1.3 120 Day Declaration: Pursuant to Part 1, Section 8.2, we declare that the offer represented by this Proposal will remain in full force and effect for one hundred twenty (120) days after the date the Letter of Submittal and Attachments is actually submitted to VDOT.

4.1.4 Identification of the Point of Contact: Mr. Richard A. McDonough will serve as the Point of Contact for LANE and has executed this Letter of Submittal by original signature. His contact information is as follows:

Mr. Richard A. McDonough
District Manager
14500 Avion Parkway, Suite 200, Chantilly, VA 20151
Tel: (703) 222-5670 (office)  Tel: (703) 898-3811 (cell)
Fax: (703) 222-5960
Email: RAMcdonough@laneconstruct.com
4.1.5 **Identification of Principal Officer:** Mr. Mark A. Schiller will serve as the Principal Officer for LANE. His contact information is as follows:

Mr. Mark A. Schiller  
Regional Vice President, Mid-Atlantic Region  
14500 Avion Parkway, Suite 200, Chantilly, VA 20151  
Tel: (703) 222-5670  
Fax: (703) 222-5960  
Email: MASchiller@laneconstruct.com

4.1.6 **Final Completion Date:**  
Final Completion Date: December 30, 2015

4.1.7 **Executed Proposal Payment Agreement:** An executed Proposal Payment Agreement (Attachment 9.3.1) is included with this Letter of Submittal and may be found in the Attachments to the Letter of Submittal.

4.1.8 **Certification Regarding Debarment Forms:** Certifications for Debarment for both Primary and Lower Tier Covered Transactions, as set forth in Part 1, Section 11.8.6, have been completed and executed for the Offeror and all other entities identified as members of the LANE team and are included with this Letter of Submittal and may be found in the Attachments to the Letter of Submittal.

4.1.9 **Design Criteria Table Compliance:** LANE’s enclosed proposed design concept is fully compliant with the Design Criteria Table included in RFP Technical Requirements (Part 2) as Attachment 2.2 and all other requirements of the RFP. We certify that LANE’s proposed limits of construction to include all stormwater management facilities are located within the right-of-way limits shown on the RFP plans with the exception of permanent and temporary easements. LANE’s design concept does not require Design Exceptions and/or Design Waivers unless identified or included in the RFP or any Addenda.

4.1.10 **DBE Participation Goal:** The LANE team is committed to achieving the 14% DBE participation goal for the entire value of the contract.

The LANE team appreciates the opportunity to submit our proposal. We look forward to working with VDOT in order to deliver a safe and successful project for the stakeholders and citizens of Northern Virginia.

Respectfully submitted,

[Signature]

Richard A. McDonough  
District Manager  
The Lane Construction Corporation
RIGHT LANE MUST TURN RIGHT

PROPOSED ROADWAY IMPROVEMENT
FOR FURTHER DETAILS
1-800-367-7623
4.2.1 Organizational Chart and Narrative

The LANE team is comprised of dedicated, professional firms who are familiar with the Design-Build (D-B) methodology and VDOT requirements and specifications. The Lane Construction Corporation (LANE) will serve as the lead contractor of the D-B team for the Walney Road Bridge Replacement and Road Widening Project (Walney Road). LANE’s role will include managing the project, supervising construction, and self-performing the major work elements. LANE has selected Johnson, Mirmiran & Thompson (JMT) as the Lead Designer. Together, LANE and JMT will manage the design and construction of those elements required on the Walney Road project. Our combined expertise in roadway and structural design, and our proximity to the project site will be an invaluable asset to VDOT, local stakeholders, and the general public.

The Organizational Chart and the Key Personnel that were contained in the Statement of Qualifications (SOQ) remain true and accurate. No changes have been made to the organizational structure, Lead Contractor, Lead Designer, Key Personnel or other individuals identified in the SOQ. The Organizational Chart depicted in this section contains the same personnel and subconsultant firms that were presented in the SOQ. The LANE team is committed to the integrity of this team and we do not plan to substitute any personnel should we be awarded this Project. Should we have the need under an unforeseen circumstance to substitute any personnel, we understand all changes require prior written approval in accordance with Part 1, Section 11.4.

Functional Relationships of Key Personnel

Design-Build Project Manager – Mr. Jan Sherman (LANE) will be responsible for the overall project, construction quality management, and contract administration. He will facilitate communication among team partners and adjacent projects, monitor design efforts to proactively eliminate potential constructability issues prior to breaking ground, and delegate resources to deliver the project on time. It will be his responsibility to work with the designer to ensure that the design is on time and complies with the owner’s specifications. Mr. Sherman’s interaction from design through construction will include leading Task Force meetings, design meetings, and construction meetings to discuss all aspects of the project development. Should any issues arise, it is his responsibility to ensure and address project issues with the designer, the construction team, and the owner. Interaction with the Quality Assurance Manager (QAM) will be continuous to ensure that the project is compliant with the specifications. Mr. Sherman will be the VDOT point of contact for all matters related to this project.

Quality Assurance Manager – Mr. John Vicinski, PE, (QCS) will report directly to the D-B Project Manager and will ensure that the construction quality of the Walney Road project meets or exceeds the current VDOT Minimum Quality Control and Quality Assurance Requirements for Design Build and PPTA Projects, January 2012 (VDOT QA/QC Guidelines) and will ensure all construction activities are in compliance with contract documents. Although Mr. Vicinski will report directly to the D-B Project Manager, he will maintain independence from the construction Quality Control assets to oversee Quality Assurance matters, including QA
testing. This independence is imperative throughout the entire construction process in order to ensure that each phase of construction progresses with the highest standards of quality. Any concerns Mr. Vicinski may have will immediately be brought to the attention of the D-B Project Manager but will be handled accordingly by Mr. Vicinski himself with full authority to stop work should the necessity arise. He is knowledgeable of the Department’s Construction Program, VDOT’s Road and Bridge Specification and Standards, and VDOT QA/QC Guidelines.

Design Manager – Mr. Robert Reed, PE (JMT) will report directly to the D-B Project Manager and manage the Design Team as well as the Lead Utility Coordinator Manager. He will be responsible for design quality assurance and quality control (QA/QC), coordinating and managing all design disciplines, conforming to standards and procedures, and ensuring contractual requirements are met. In addition, he will lead the design effort, development of plans and specifications and coordinate reviews with the D-B Project Manager to ensure constructability of the project. Mr. Reed will maintain close communication with the D-B Project Manager and will ensure this project is completed in accordance with the requirements of the contract documents. He will provide VDOT with draft design plans for review and approval prior to initiation of construction activities on the Project to confirm that the design work complies with the requirements of the contract documents. Additional emphasis will be placed on providing quality reviews in the development of the construction plans. In the design process, Mr. Reed is responsible for project design management and compilation of plan assembly. He will determine when plans have been developed to the point that Quality Reviews are to be made. He is both responsible and accountable for the quality of all of the plans.

Construction Manager – Mr. Barry Bernstein, PE (LANE) is responsible for the day-to-day construction operations of the project and reports directly to the D-B Project Manager. His daily responsibilities will encompass managing the entire construction process, including oversight of all quality control activities to ensure the materials used and work performed meet contract requirements and the “approved for construction” plans and specifications. He additionally will oversee project site safety and coordination of all project personnel, including subcontractors. He holds ultimate responsibility for managing the project schedule with his staff and will be on site for the duration of construction operations. Mr. Bernstein currently holds a Virginia Department of Conservation and Recreation (DCR) Responsible Land Disturber (RLD) Certification (number 34512) and a VDOT Erosion and Sediment Control Contractor Certification (ESCCC number 2157C).

Lead Utility Coordination Manager – Wayne Lindsey (LANE) will report directly to the D-B Project Manager. He will be responsible for all utility coordination and relocations on the Walney Road project. Mr. Lindsey will verify conflicts, complete UT-9’s, determine cost responsibilities, conduct utility field inspections, coordinate utility relocation design, review and recommend approval of utility relocation plans and estimates, and ensure inspection of utility relocation construction. He will also review utility relocation designs prepared by a Professional Engineer for the Walney Road project and will verify constructability based on field conditions and construction sequences.

Organizational Chart

The LANE team is structured to provide VDOT with a single point of contact, Mr. Jan Sherman, the D-B Project Manager, who will be responsible for all design and construction activities. The LANE team organization has a straightforward chain of command, with individual tasks, responsibilities, and functional relationships clearly identified. Furthermore, a distinct separation is shown between QA and QC inspection and Field/Laboratory testing in accordance with VDOT QA/QC Guidelines. The following Organizational Chart depicts VDOT, third party stakeholders, key personnel, and their respective relationships and functions. As previously mentioned, the organization chart remains intact and unchanged.
4.2.2 Conceptual Roadway Plans

Conceptual Roadway Plans showing the general Project Layout are provided in Volume 2. Conceptual Roadway Plans include: Title Sheet; Index; location map; detour route (Alternative 1); typical sections showing widths for lanes, medians, sidewalks, Shared Use Path, bicycle lanes, and cross slopes; plans; and profiles. The Conceptual Roadway Plans are fully compliant with the requirements of the Design Criteria Table included in the RFP Technical Requirements (Part 2) as Attachment 2.2 and all other requirements of the RFP and Addenda. We certify that our proposed limits of construction, to include all stormwater management facilities, are located within the right-of-way shown on the RFP plans with the exception of permanent and temporary easements and that the design concept does not require Design Exceptions and/or Design Waivers unless they are identified or included in the RFP Addendum.

4.2.3 Conceptual Bridge Plans

Conceptual Bridge Plans showing the type, size, and location for the proposed new bridge are provided in Volume 2. Conceptual Bridge Plans include elevation view, transverse section, and abutment configurations. The Conceptual Bridge Plans meet all applicable geometric requirements of VDOT’s Structure and Bridge Manual, Volume V, Part 2.

4.2.4 Proposal Schedule and Narrative

4.2.4.1 Proposal Schedule

Please find the Proposal Schedule at the end of this section.

4.2.4.2 Proposal Schedule Narrative

The LANE team has developed a Proposal Schedule narrative that describes our plan to execute the work in accordance with the Contract Documents. The narrative also provides a description and explanation of the Critical Path and assumptions relative to productivity and critical activities.
Project Milestones

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</tr>
<tr>
<td>Design-Build Contract Execution</td>
<td>March 19, 2014</td>
</tr>
<tr>
<td>Notice to Proceed</td>
<td>March 25, 2014</td>
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<td>Scope Validation Period Complete</td>
<td>July 22, 2014</td>
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<td>May 1, 2015</td>
</tr>
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<td>Detour Ends</td>
<td>August 28, 2015</td>
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<tr>
<td>Final Completion</td>
<td>December 30, 2015</td>
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Work Breakdown Structure

The Work Breakdown Structure (WBS) is a multi-level, hierarchical arrangement of the work to be performed on the project. The LANE team has laid out the WBS to enable identification of design, permitting, Right-of-Way acquisitions, utility relocations, and construction phase of the project (Figure 1). Design has been further broken down into various components such as Scope Validation, Survey, Geotechnical, Right-of-Way, Utilities, Environmental and Permits, Final Design and Construction Support. Construction has been subdivided to include major work areas as shown below in a sample WBS Node.

Additionally, an activity coding structure will be utilized in the project schedule to facilitate the organization of the CPM schedule data output in respective disciplines.
Calendars

The LANE team uses six (6) different calendars to represent a variety of work scenarios.

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<td>5-Day Admin (no weather)</td>
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<tr>
<td>5-Day Typical</td>
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<tr>
<td>5-Day Subbase &amp; Grading</td>
<td>December – February</td>
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<tr>
<td>5-Day Asphalt Paving – Base/Interim Courses</td>
<td>December – February</td>
</tr>
<tr>
<td>5-Day Asphalt Paving – Surface Course</td>
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The LANE team’s approach to adverse weather differs depending on the type of work being performed. Any schedule acceleration attempts to remediate adverse weather impacts will occur first on Saturdays and then during the winter months.

The amount of adverse weather days to be expected has been calculated utilizing data from the National Oceanic and Atmospheric Administration’s (NOAA) National Climatic Data Center Washington Reagan Airport. Using daily data for the past ten (10) years, adverse weather days were determined by using the following scenarios in Tables 1 thru 4.

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<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>Jun</th>
<th>Jul</th>
<th>Aug</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
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<td>0.0</td>
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<tr>
<td>Lost Days</td>
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<td>0</td>
<td>0</td>
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<td>1</td>
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**Table 1: Typical Weather for Washington Reagan Airport based on data from NOAA.**

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<th>Jun</th>
<th>Jul</th>
<th>Aug</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
<th>Total</th>
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</thead>
<tbody>
<tr>
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<td>0.1</td>
<td>0.2</td>
<td>0.3</td>
<td>0.1</td>
<td>0.1</td>
<td>0.2</td>
<td>0.2</td>
<td>0.2</td>
<td>0.5</td>
</tr>
<tr>
<td>Lost Days</td>
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<td>17</td>
<td>8</td>
<td>3</td>
<td>6</td>
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<td>2</td>
<td>6</td>
<td>7</td>
<td>17</td>
<td>104</td>
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</table>

**Table 2: Subbase & Grading (Average Temp Below 40°F and/or Precip Greater than 0.50")**

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<th>Apr</th>
<th>May</th>
<th>Jun</th>
<th>Jul</th>
<th>Aug</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
<th>Total</th>
</tr>
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<tbody>
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<td>0.2</td>
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<td>3</td>
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**Table 3: Asphalt Paving - Base & Interim. Courses (Average Temp Below 40°F and/or Precip Greater than 0.75")**

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<tr>
<th>Jan</th>
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<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>Jun</th>
<th>Jul</th>
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<td>0.1</td>
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<td>0.1</td>
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<tr>
<td>Lost Days</td>
<td>29</td>
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**Table 4: Asphalt Paving - Surface Course (Average Temp Below 50°F and/or Precip Greater than 0.75")**

Plan and Strategy

**Design**

Design will begin immediately upon notice of intent to award. The design phase includes; investigative activities such as supplemental field surveys, geotechnical borings and laboratory analysis, and scope validation; preparation of roadway and bridge plans including preliminary engineering, final plan development, hydrological and hydraulic analysis, drainage and stormwater management design, development of the
Transportation Management Plan, traffic signal and modification design; and VDOT review and approval of plans and reports, and the release for construction plans. Other activities performed during the design phase include: carrying out environmental commitments such as environmental surveying, inventorying, delineation, verification and permitting services; development of a right-of-way (ROW) acquisition and relocation plan and ROW services to secure the properties needed to build the project; and utility delineation and services for relocation of existing services.

Upon receipt of notice to proceed, the design and construction teams will work on scope validation in conjunction with VDOT. During this time frame, additional scope validation and additional soil borings will be performed immediately upon receipt of Notice to Proceed. Also during this time frame, field work and initial coordination of construction permits will begin. These permits include Threatened and Endangered Species, VSMP Permit, VWP Permit and Individual Wetland Permit.

Once Right-of-Way review and approval by VDOT has been obtained, Right-of-Way acquisition will begin in conjunction with the development of final construction documents. At this time, final details will be included in the documentation for each permit, and construction permits will be obtained. We anticipate one comprehensive plan submitted for the entire project. The traffic management plan and maintenance of traffic plans will correspond to the flow of work in three distinct segments allowing work in areas as Right-of-Way is acquired.

**Right-of-Way Acquisitions**

Right-of-way and Easement acquisition activities will be completed prior to construction. This includes the plan approvals, negotiations and all settlements necessary to clear the Right-of-Way for construction activities. These activities, some of which fall on the critical path, will be carefully managed so that the construction start date will not be impeded.

**Utility Relocations**

Prior to any relocation, the Right-of-Way and easements will need to be acquired with the project limit, allowing utility crews to get out in front of the planned construction and work within the MOT Phasing described in the next section.

The LANE team has identified the following activities to accomplish the utility relocation process:

- UFI Meeting
- Easement Requests
- Plan and Estimate
- Authorize
- Utility Relocations

Upon award of the contract, the LANE team will provide a more detailed schedule for each facility owner.

**Construction**

Construction operations will commence once we have received approximately 60% of the Issued for Construction plans. The LANE team will have the Right-of-Way acquisitions and utility relocations completed prior to construction begins.

**Walney Road Widening**

Lane will excavate and construct a storm water management pond to the northeast of the new bridge. Various size storm drainage pipe, including structures will be installed along Walney Road. In addition a new run of encased sanitary sewer line with a new manhole just south of the bridge, along with adjustments to several existing sanitary manhole tops north of the bridge. The existing waterline will be lowered at Mariah Court to accommodate new roadway grades. Fill will be placed leading up to and departing from the new bridge. A
fabric lined ditch will be constructed along the eastern side of the roadway from the start of the project up to the bridge. Following the completion of roadway subgrade construction, an aggregate base as well as base mix, intermediate mix, and surface mix asphalts will be placed between curb and gutter for the entire length of the job site. A concrete sidewalk will be constructed parallel to the roadway on the western side and an asphalt shared use path will border the eastern side of the roadway. CG12 handicap ramps will be constructed at Mariah Court as well as Willard Rd. New pavement markings will finish up the construction as well as seeding and mulching of disturbed areas. New signage and signalization of the intersections will take place to accommodate the new traffic patterns.

**Walney Road Bridge Widening**

Under the protection of a traffic detour, Lane will construct abutment A and abutment B on pile foundations. Each abutment will have wingwalls on either side. The abutment faces will be constructed with an architectural treatment. The slopes along the abutments and wingwalls on either side will have class 2 rip rap placed on them for slope protection. The bridge superstructure will consist of precast box beams with a concrete deck. There will be a concrete shared use path on the eastern side and a concrete sidewalk on the western side. BR27C bridge rail will be constructed on either outside edge to protect pedestrians. Conduit will be placed in the sidewalk and shared use path for future use.

**Dallas and Walney Rd Intersection Improvements**

Lane will excavate for and install storm drainage along the eastern side of the work zone. Excavation to subgrade will be followed by the placement of aggregate base along with base mix, intermediate mix, and surface mix asphalts and curb and gutter. A shared use path with CG12 ramp will be constructed parallel to the street. Pavement markings will be installed to finish this location.

**Potential Impacts**

The following risk issues have been identified as having a potential to cause impacts:

- Utility relocations issues
- Delay in the acquisition of required Right-of-Way
- Unseasonably Wet Summer and Fall
- Unsuitable Soils

**Critical Path**

The Critical Path of the Project is shown on the included schedule. It includes various pre-construction activities, Right-of-Way design and acquisition tasks, utility relocation and the subsequent phased construction activities. It concludes with the various close-out activities leading to project completion.

**Schedule Management**

Effective management and control of a construction project of this scope requires the use of field proven software packages for scheduling, documentation control, cost control, and design functions of the integrated team concept to the design-build approach. The LANE team uses P6 scheduling software to plan, schedule, and monitor its construction projects. This industry standard of practice for scheduling projects allows us to plan, organize, and control the project with the Precedence Diagram Method (PDM) of scheduling. As a management tool, P6 is powerful and flexible enough to handle all the project scheduling needs, including the following capabilities:

- CPM scheduling
- Resource management
- Reporting capabilities
- Cost management
- Data exchange
- Networking
P6 also has tools to assist the project management team in tracking and forecasting the project performance from the milestone level to the smallest work activity.

The LANE team will coordinate the scope of all project-related activities to establish a timely Critical Path Method (CPM) job schedule that will help ensure an on-time completion and identify potential risks. Project Controls will be centralized in the local project office. The Project Engineer is responsible for scheduling, cost engineering, and cost forecasting. The Design-Build Project Manager, supported by the Construction Manager, is ultimately responsible for the implementation of the project controls system.

Upon award of the contract, the LANE team will plan and schedule the entire project based on the conceptual design drawings. To control time spent on activities, we will develop a detailed, time-phased CPM project schedule, prepared with timelines outlined within the scope of work, with the assistance of our Corporate Scheduling Department. After an internal analysis and review of the general schedule logic and critical path, the schedule is completed. The P6 software program is used to generate a time-scaled logic diagram reflecting the interdependencies of all the activities incorporated into the schedule. In addition, various other tabular reports are produced, as required, for submission to the owner.

This schedule will indicate the necessary procurement and construction activities for each section or phase of the project. Various calendars will be incorporated into the project schedule to reflect holidays, seasonal work, temperature and precipitation restrictions, owner requirements, etc. The activities within the CPM schedule will be organized according to a WBS that has been developed for the project. An Activity Coding Structure will be utilized in the project schedule to organize data output. The project schedule will be the tool used for coordination by both on-site and off-site LANE team management. Schedule updates are used by managers to review progress and coordinate the efforts of all entities involved. An on-site engineer is tasked with the responsibility to track schedule progress on a daily basis and provide monthly updates.

Detailed schedules are used to plan and monitor specific items of work and will be prepared as necessary to deal with individual work packages or smaller work activities as the need arises. As the work progresses, start dates, finish dates, percent complete, and remaining durations will be updated to report the progress of each work activity. The Construction Manager will incorporate updated data into the CPM schedule on a monthly basis, review the results internally and with the owner, and prepare the required reports for submittal. Monthly updates of the CPM schedule provide the foundation of progress reports utilized by the project team.

When changes or unforeseen circumstances arise that impact the project schedule, the LANE team will immediately notify VDOT (and other appropriate stakeholders) and begin incorporating changes into the “live” CPM schedule. If changes to any task or phase in the schedule results in schedule impacts, the Design-Build Project Manager will divide the task into its components to identify its cause.

The LANE team will develop and implement a recovery plan to put the project back on track. Progress can then be tracked daily via the schedule compared to the previously accepted schedule. LANE’s management team will evaluate mitigation measures such as, additional manpower, equipment, multiple shifts, and subcontractor management and coordination, if required, to minimize schedule impacts. Schedule assurance will be clearly communicated to all parties including subcontractors.

The LANE team is committed to meeting or improving upon our proposed schedule to better serve VDOT, all associated stakeholders, and the traveling public.

Summary

The LANE team has developed a Proposal Schedule and Proposal Schedule Narrative that demonstrates our understanding of the complexities and interrelationships of all elements of the Project and takes into account: internal plan reviews, VDOT plan reviews and approvals, environmental permitting, Right-of-Way acquisitions, utility relocations, and construction activities in accordance with the requirements of the RFP.
## Walney Road Bridge Replacement and Road Widening

### Scope Validation Period
- **D0010** Scope Validation Investigations and Findings Report Submittal 120 days from NTP
- **D0020** Reopen and Reaudit QA/QC Plan
- **D0030** QA/QC Plan Approval

### Develop & Submit Field Inspection Right-of-Way, Line & Grade, LOD
- **D1010** Develop DB/PA Plans-50% Plans
- **D1020** VDOT Review and Approved DB/PA
- **D1030** DB/PA Plan Approval

### Design Exception and Waivers
- **D2010** Complete Exception/Waiver Application & Submit
- **D2020** Agency Review and Meeting if Required
- **D2030** Update and Reaudit Exception/Waiver
- **D2040** Agency Review and Approval of Exception/Waiver

### Supplemental Field Surveys
- **D3010** Prepare Property Owner Notification Letters for Survey
- **D3020** Stake Geotechnical Boring Locations
- **D3030** Supplemental Field Surveys
- **D3040** Prepare Updated Survey File

### Utilities-Delineation, STL
- **D4010** Prepare Property Owner Notification Letters for Subsurface Utility Engineering (SUER)
- **D4020** Perfom SUER Designations and Test Holes
- **D4030** Prepare Test Hole Data Sheets, UTVPs
- **D4040** Meet with VDOT Regional Utility Manager 45 days after NTP
- **D4050** Determine Prior Rights, update UT9's
- **D4060** Prepare Preliminary Utility Status Report due 120 days after NTP (120 calendar days after NTP)
- **D4080** Prepare and Submit Updated Subsurface Utility Information

### Utility Design (By Others)
- **D7010** Utility Design Starts
- **D7020** Washington Gas Plan and Estimate
- **D7040** Verizon Virginia Plan and Estimate
- **D7050** Cox Communications Plan and Estimate
- **D7060** Level (1) Communications Plan and Estimate

### Milestones
- Walney Road Bridge Replacement and Road Widening
  - **Substantial Completion**
- Washington Gas Utilities
  - **Submission of Enhanced Submittal & Attachments**
  - **Submittal of Price Proposal**
  - **Notice of Intent to Award**
- Cox Communications
  - **Submission of Preliminary Utility Status Report due 120 days after NTP**
  - **Submission of Enhanced Submittal & Attachments**
- Level (1) Communications
  - **Submission of Enhanced Submittal & Attachments**
  - **Submittal of Price Proposal**
  - **Notice of Intent to Award**

### Project Schedule

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<td>D6013</td>
<td>30</td>
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<td>23-Jun-14</td>
<td>Submit Report and Conduct Wood Turtle Identification Training</td>
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### Geotechnical Engineering Analysis and Reports

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### Endangered Species

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### Hazardous Material Investigations

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<td>D1050</td>
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<td>Complete the Environmental Site Assessment</td>
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### Water Quality Permits and Stormwater Monitoring

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<td>D1090</td>
<td>15</td>
<td>06-May-14</td>
<td>06-May-14</td>
<td>VA DCR, DGIF and USFWS Review and Approval of Threatened and Endangered Species Report</td>
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### Remaining Level of Effort

- **Prepare Property Owner Notification Letters for Environmental Surveys**
- **Geotechnical Engineering and Subsurface Investigations**
- **Endangered Species**
- **Hazardous Material Investigations**
- **Water Quality Permits and Stormwater Monitoring**

---

**Walney Road Bridge Replacement and Road Widening**

- **Activity ID:** D0000
- **Activity Name:** GPR Team Received Written Approval from VDOT to Commence Reinvestigations
- **Description:** Complete Subsurface Investigations as Required
- **Duration:** 20 days
- **Start Date:** 03-Jun-14
- **Finish Date:** 15-Jul-14

---

**Summary**

- The document outlines various activities and their timelines, focusing on geotechnical engineering, environmental permits, and permits and clearances.
- Activities range from preparing property owner notification letters for geotechnical investigations to submitting final major structure reports.
- The document includes critical remaining work such as completing the environmental site assessment and preparing property owner notification letters for environmental surveys.

---

**References**

- The document references various reports and activities related to environmental and permits, geotechnical engineering, and hazardous material investigations.
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<tr>
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<th>Activity Name</th>
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<td>VDOT of Env. Quality (DEQ) Issues VA Water Protection Permit (VWPP)</td>
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<td>Develop SWPPP and Submit VA Storm Water Management Permit Application</td>
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<td>Stage I (TS&amp;L) Preliminary Retaining Wall Design</td>
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<td>D30200</td>
<td>Receive VDOT Review Comments and Approval for Stage II Final Design</td>
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<td>D30300</td>
<td>Stage II Final Retaining Wall Design and Submittal</td>
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<td>D30400</td>
<td>VDOT Review of Stage II Final Retaining Wall Design Plans</td>
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<td>D30500</td>
<td>Released for Construction (RFC) Retaining Wall Plans-Approval</td>
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**Hydraulics**

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<td>D40100</td>
<td>Drainage Design</td>
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<td>D40300</td>
<td>SWM Design &amp; Post Construction SWM Plan</td>
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<td>D40400</td>
<td>Multi-Phased ESC Plans &amp; Narrative &amp; SWPP</td>
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<td>D40600</td>
<td>35% H &amp; HA Analysis, incl Source Analysis</td>
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<td>D40700</td>
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<td>50% H &amp; HA Analysis, incl Source Analysis</td>
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<td>D40900</td>
<td>Preliminary Drainage, SWM and ESC Plans and Submittal</td>
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<td>VDOT Review of Preliminary Drainage, SWM &amp; ESC</td>
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<td>D41100</td>
<td>Final Drainage, SWM and ESC Plans and Modification VSMP/VSPP Permit</td>
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**Traffic Engineering**

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<tr>
<td>D50100</td>
<td>Develop Existing Sign Inventory Plan</td>
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## Walney Road Bridge Replacement and Road Widening

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<tbody>
<tr>
<td>D16010</td>
<td>VDOT Right-of-Way Work</td>
<td>20-Mar-14</td>
<td>21-May-14</td>
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<tr>
<td>D16020</td>
<td>Complete ROW Plan and Profile, D15030, Right of Way Data Sheet Perform ROW-301 Checklist, Plats and Metes &amp; Bounds</td>
<td>26-Aug-14</td>
<td>20-May-14</td>
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<tr>
<td>D16025</td>
<td>Revise ROW Plan Approval for Permanent &amp; Temporary Easements, Utility Easements from VDOT</td>
<td>21-Apr-15</td>
<td>26-May-15</td>
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<tr>
<td>D16050</td>
<td>VDOT Issue Notice to Proceed for ROW Acquisitions - Hold Point</td>
<td>07-Aug-15</td>
<td>27-Aug-15</td>
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<tr>
<td>D16070</td>
<td>Title Exam, Appraisals, Appraisal Reviews, Titles, Report</td>
<td>27-Aug-15</td>
<td>18-Feb-15</td>
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<tr>
<td>D16080</td>
<td>VDOT Replacement of Fairfax County Park Authority Conservation Easement (months after NTP ROW Acquisitions)</td>
<td>27-Aug-15</td>
<td>22-May-15</td>
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<tr>
<td>D16090</td>
<td>Post Approval &amp; Approval Reviews to RUMS</td>
<td>25-Sep-14</td>
<td>16-Feb-15</td>
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<tr>
<td>D16100</td>
<td>Initiate ROW/Easements Negotiations, Acquisition incl. BW24's</td>
<td>30-Oct-14</td>
<td>22-Feb-15</td>
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<tr>
<td>D16110</td>
<td>Make Offer to Property Owners</td>
<td>28-Nov-14</td>
<td>23-Mar-15</td>
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<tr>
<td>D16130</td>
<td>Request Right of Entry-As Necessary</td>
<td>20-Jan-15</td>
<td>05-Jan-15</td>
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<tr>
<td>D16160</td>
<td>VDOT Issue Certificate of Take and Files in Court, if Impasse is Reached</td>
<td>30-Dec-14</td>
<td>21-Mar-15</td>
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<tr>
<td>D16170</td>
<td>Property Owner Accepts ROW</td>
<td>26-Jan-15</td>
<td>26-Jan-15</td>
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<tr>
<td>D16180</td>
<td>Closing and Settlement Payment Disbursement and Indefensible Title to VDOT Acquisitions</td>
<td>12-Jan-15</td>
<td>05-Feb-15</td>
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### Construction

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<tr>
<td>C0000</td>
<td>Notice to Proceed for Construction</td>
<td>6-Dec-14</td>
<td>15-Apr-15</td>
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<tr>
<td>C0001</td>
<td>Mobilization</td>
<td>10-Dec-14</td>
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### Pre-Construction Activities

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<tr>
<td>C0100</td>
<td>Submit QA/QC for Construction</td>
<td>25-Mar-14</td>
<td>31-Mar-14</td>
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<tr>
<td>C0200</td>
<td>Submit QA/QC Plan - Progress to VDOT</td>
<td>01-Apr-14</td>
<td>30-Apr-14</td>
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<tr>
<td>C0300</td>
<td>VDOT Review</td>
<td>22-Apr-14</td>
<td>22-Apr-14</td>
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<td>C0400</td>
<td>Revise and Readmit QA/QC Plan</td>
<td>23-Apr-14</td>
<td>29-Apr-14</td>
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<tr>
<td>C0500</td>
<td>Submittal Final QA/QC for Design and Construction</td>
<td>15-Oct-14</td>
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<td>C0600</td>
<td>Project Management QA/QC</td>
<td>15-Apr-14</td>
<td>30-Apr-14</td>
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<td>C0900</td>
<td>Construction Survey</td>
<td>20-Apr-15</td>
<td>16-Jun-15</td>
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<td>C1000</td>
<td>Advance To In-Place</td>
<td>20-May-15</td>
<td>28-May-15</td>
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### VDOT Right-of-Way Work

<table>
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<th>Activity ID</th>
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<th>Start Date</th>
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<tbody>
<tr>
<td>D15020</td>
<td>Develop Photometric Lighting Analysis and Calculations and Submit to VDOT</td>
<td>29-Mar-14</td>
<td>20-Aug-14</td>
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<tr>
<td>D15030</td>
<td>VDOT Review &amp; Approval of Photometric Lighting Analysis and Calculations</td>
<td>27-Aug-14</td>
<td>10-Sep-14</td>
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<tr>
<td>D150970</td>
<td>Addendum Final Review Comments and Receive VDOT approval on RFI Signing, Pavement Marking, Lighting, Signal Design, ITS, TMP Plan Approval</td>
<td>26-Dec-14</td>
<td>23-Jan-15</td>
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### Project Management / QA & QC

- QA & QC for Construction
- Pre-Construction QA & QC
- VDOT Review of QA/QC Plan
- VDOT/FHWA Issue Clearance for Construction - Acquisitions - Hold Point
- Submittal Final QA/QC for Design and Construction
- Final Information Meeting
- Final Revisions and Submittal Control
- Construction Survey
- Advance To In-Place

### Remaining Level of Effort

- Critical Remaining Work
- Remaining Work
- Remaining Level of Effort

### Milestones

- Start Date: 01-Apr-14
- End Date: 30-Apr-14
### Utility Relocations

<table>
<thead>
<tr>
<th>Activity ID</th>
<th>Activity Name</th>
<th>Utility</th>
<th>Project Number</th>
<th>Duration</th>
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<tbody>
<tr>
<td>U0010</td>
<td>Clearing, Saw Cut, &amp; Demo</td>
<td>Fiberlight</td>
<td>U0010</td>
<td>4</td>
<td>01-May-15</td>
<td>06-May-15</td>
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<tr>
<td>U0050</td>
<td>Excavations</td>
<td>Cox</td>
<td>U0020</td>
<td>4</td>
<td>07-May-15</td>
<td>08-May-15</td>
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<tr>
<td>U0040</td>
<td>Excavation</td>
<td>Fairfax County Water Authority</td>
<td>C1010</td>
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<td>19-May-15</td>
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<td>U0050</td>
<td>Grading</td>
<td>Fairfax County Water Authority</td>
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<tr>
<td>U0060</td>
<td>Construct Shared Use Path</td>
<td>Fairfax County Water Authority</td>
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<td>20-May-15</td>
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<tr>
<td>U0070</td>
<td>Place Agg Base and Underdrain</td>
<td>Fairfax County Water Authority</td>
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<td>26-May-15</td>
<td>01-Jun-15</td>
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<td>U0080</td>
<td>Place Curb &amp; Gutter, Sidewalk, &amp; Ramp</td>
<td>Fairfax County Water Authority</td>
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<td>3</td>
<td>02-Jun-15</td>
<td>04-Jun-15</td>
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<td>U0090</td>
<td>Place Asphalt Base &amp; InterCourses</td>
<td>Fairfax County Water Authority</td>
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<td>07-Jun-15</td>
<td>08-Jun-15</td>
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<tr>
<td>U0100</td>
<td>Pav's Markings</td>
<td>Fairfax County Water Authority</td>
<td>C1080</td>
<td>3</td>
<td>09-Jun-15</td>
<td>15-Jun-15</td>
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### Walney Road Bridge Replacement and Road Widening

#### Walney Rd Bridge (Sta 14+56 to Sta 15+67)

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<tr>
<td>C2020</td>
<td>Construct Abutment A Fdn</td>
<td>E/L/B Sewer</td>
<td>U0020</td>
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<td>C2030</td>
<td>Construct Abutment B Fdn</td>
<td>E/L/B Sewer</td>
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<td>19-May-15</td>
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<td>Construct Abutment A &amp; Waywalls</td>
<td>E/L/B Sewer</td>
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<td>5</td>
<td>13-May-15</td>
<td>19-May-15</td>
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<td>C2050</td>
<td>Instil Precast Core, Box Beams</td>
<td>E/L/B Sewer</td>
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<td>5</td>
<td>13-May-15</td>
<td>19-May-15</td>
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<td>C2060</td>
<td>Place Ramps Along Abutments</td>
<td>E/L/B Sewer</td>
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<td>13-May-15</td>
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<td>C2070</td>
<td>Place Precast Deck</td>
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<td>C2110</td>
<td>Place Sidewall &amp; Shared Use Path</td>
<td>E/L/B Sewer</td>
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<td>C2090</td>
<td>Construct Approach Slab A</td>
<td>E/L/B Sewer</td>
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<td>C2100</td>
<td>Construct Approach Slab B</td>
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<td>C2120</td>
<td>Install Bridge Railings</td>
<td>E/L/B Sewer</td>
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<td>C2130</td>
<td>Pav's Markings / Finishes</td>
<td>E/L/B Sewer</td>
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### Walney Rd North (Sta 15+67 to Sta 37+93)

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<th>Project Number</th>
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<tr>
<td>C3010</td>
<td>Clearing, Saw Cut, &amp; Demo</td>
<td>E/L/B Sewer</td>
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<td>05-Jun-15</td>
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<td>C3020</td>
<td>E/L/B Drainage &amp; Structures</td>
<td>E/L/B Sewer</td>
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<td>4</td>
<td>09-Jun-15</td>
<td>10-Jun-15</td>
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<td>C3030</td>
<td>Adjut Sewer Manholes</td>
<td>E/L/B Sewer</td>
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<td>09-Jun-15</td>
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<tr>
<td>C3040</td>
<td>Construct Stormwater Management Pond</td>
<td>E/L/B Sewer</td>
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<td>16-Aug-15</td>
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<tr>
<td>C3050</td>
<td>Excavation / Embankment</td>
<td>E/L/B Sewer</td>
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<td>30-Jul-15</td>
<td>02-Aug-15</td>
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<td>Grading</td>
<td>E/L/B Sewer</td>
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<td>Place Agg Base and Underdrain</td>
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<td>06-Sep-15</td>
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<td>Place Curb &amp; Gutter, Sidewalk, &amp; Ramp</td>
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<td>06-Sep-15</td>
<td>12-Sep-15</td>
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<td>C3090</td>
<td>Place Asphalt Base &amp; InterCourses</td>
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<td>Pav's Markings</td>
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<td>Seeding / Finishes</td>
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### Dallas & Walney Rd Intersection (Sta 200+95 to Sta 203+44)

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<td>RVPA</td>
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<td>E/L/B Storm Drainage &amp; Structures</td>
<td>RVPA</td>
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<tr>
<td>C4040</td>
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<td>RVPA</td>
<td>C1040</td>
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<td>21-Sep-15</td>
<td>22-Sep-15</td>
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**Walney Road Bridge Replacement and Road Widening**

- **Utility Relocations**
  - Clearing, Saw Cut, & Demo
  - Excavations
  - Construct Abutment A Fdn
  - Construct Abutment B Fdn
  - Construct Stormwater Management Pond
  - Excavation / Embankment
  - Grading
  - Place Agg Base and Underdrain
  - Place Curb & Gutter, Sidewalk, & Ramp
  - Place Asphalt Base & InterCourses
  - Place Asphalt Surface
  - Pav's Markings / Finishes
  - Seeding / Finishes

- **Walney Rd Bridge (Sta 14+56 to Sta 15+67)**
  - Sawcut Operations
  - Construct Abutment A Fdn
  - Construct Abutment B Fdn
  - Instil Precast Core, Box Beams
  - Place Ramps Along Abutments
  - Place Precast Deck
  - Place Sidewall & Shared Use Path
  - Construct Approach Slab A
  - Construct Approach Slab B
  - Install Bridge Railings
  - Pav's Markings / Finishes

- **Walney Rd North (Sta 15+67 to Sta 37+93)**
  - Clearing, Saw Cut, & Demo
  - E/L/B Drainage & Structures
  - Adjut Sewer Manholes
  - Construct Stormwater Management Pond
  - Excavation / Embankment
  - Grading
  - Place Agg Base and Underdrain
  - Place Curb & Gutter, Sidewalk, & Ramp
  - Place Asphalt Base & InterCourses
  - Place Asphalt Surface
  - Pav's Markings
  - Seeding / Finishes

- **Dallas & Walney Rd Intersection (Sta 200+95 to Sta 203+44)**
  - Excavations
  - Construct Stormwater Management Pond
  - Place Agg Base and Underdrain
<table>
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<tr>
<th>Activity ID</th>
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<th>Original</th>
<th>Duration</th>
<th>Start</th>
<th>Finish</th>
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<td>C4030</td>
<td>Construct Shared Use Path</td>
<td>2</td>
<td></td>
<td>21-Sep-15</td>
<td>22-Sep-15</td>
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<tr>
<td>C4050</td>
<td>Place Curb, Gutter &amp; Sidewalk Ramp</td>
<td>1</td>
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<td>23-Sep-15</td>
<td>23-Sep-15</td>
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<tr>
<td>C4060</td>
<td>Place Asphalt Base &amp; Interim Courses</td>
<td>2</td>
<td></td>
<td>24-Sep-15</td>
<td>25-Sep-15</td>
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<tr>
<td>C4070</td>
<td>Mill Existing Pav't</td>
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<td>26-Sep-15</td>
<td>28-Sep-15</td>
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<tr>
<td>C4080</td>
<td>Place Asphalt Surface</td>
<td>2</td>
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<td>28-Sep-15</td>
<td>30-Sep-15</td>
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<tr>
<td>C4090</td>
<td>Pavement Markings</td>
<td>1</td>
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<td>30-Sep-15</td>
<td>01-Oct-15</td>
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<tr>
<td>C4100</td>
<td>Seeding / Finishes</td>
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<td>01-Oct-15</td>
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Walney Road Bridge Replacement and Road Widening

Remaining Level of Effort
Remaining Work
Critical Remaining Work
Milestone
Proposal Payment Agreement
ATTACHMENT 9.3.1
PROPOSAL PAYMENT AGREEMENT

THIS PROPOSAL PAYMENT AGREEMENT (this "Agreement") is made and entered into as of this 30th day of December, 2013, by and between the Virginia Department of Transportation ("VDOT"), and The Lane Construction Corporation ("Offeror").

WITNESSETH:

WHEREAS, Offeror is one of the entities who submitted Statements of Qualifications ("SOQs") pursuant to VDOT's April 30, 2013 Request for Qualifications ("RFQ") and was invited to submit proposals in response to a Request for Proposals ("RFP") for the Walney Road Bridge Replacement and Road Widening, Project No. 0657-029-099, R201, C501, B641 ("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 Ten Thousand and 00/100 Dollars ($10,000.00) ("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.

   c. 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] The Lane Construction Corporation

By: ____________________________

Name: Richard A. McDonough

Title: District Manager
CERTIFICATION REGARDING DEBARMENT PRIMARY COVERED TRANSACTIONS
ATTACHMENT 11.8.6(a)
CERTIFICATION REGARDING DEBARMENT
PRIMARY COVERED TRANSACTIONS

Project No.: 0657-029-099, R201, C501, B641

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 proposal.

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.

Richard A. McDonough  
District Manager

Signature  Date

The Lane Construction Corporation
Name of Firm

Debarment 1
CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS
ATTACHMENT 11.8.6(b)
CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

Project No.: 0657-029-099, R201, C501, B641

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 proposal.

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] 9/30/13
Senior Vice President
Title

Johnson Mirmiran and Thompson
Name of Firm
ATTACHMENT 11.8.6(b)
CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

Project No.: 0657-029-099, R201, C501, B641

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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]  September 26, 2013  [Managing Partner]
Date  Title

Appraisal Review Specialists, LLC
Name of Firm
ATTACHMENT 11.8.6(b)
CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

Project No.: 0657-029-099, R201, C501, B641

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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] 9/30/13  [Date]  [President]
[Title]

Athavale, Lystad & Associates, Inc.
Name of Firm
ATTACHMENT 11.8.6(b)
CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

Project No.: 0657-029-099, R201, C501, B641

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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] 9/24/2013 [Vice President]

[Title]

[Name of Firm]

DMY Engineering Consultants
ATTACHMENT 11.8.6(b)
CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

Project No.: 0657-029-099, R201, C501, B641

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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 President Title

EEE Consulting, Inc.
Name of Firm
ATTACHMENT 11.8.6(b)
CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

Project No.: 0657-029-099, R201, C501, B641

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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] September 26, 2013 [Vice President]
Signature Date Title

Peggy Malone & Associates, Inc.
Name of Firm
ATTACHMENT 11.8.6(b)
CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

Project No.: 0657-029-099, R201, C501, B641

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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 proposal.

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]
September 30, 2013
President

[Date]

[Title]

Quinn Consulting Services, Inc.

Name of Firm
ATTACHMENT 11.8.6(b)
CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

Project No.: 0657-029-099, R201, C501, B641

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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] 10-1-13 [Date] [President] [Title]

Specialized Engineering
Name of Firm
ATTACHMENT 11.8.6(b)
CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

Project No.: 0657-029-099, R201, C501, B641

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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] 9-26-2013 [Date]
Appraiser

V. Lynn Kelsey
Title

Name of Firm
Walney Road Bridge Replacement and Road Widening
A Design-Build Project

From: Westfields Boulevard (Route 6755) To: Willard Road (Route 6215) and
From: Dallas Street (Route 745) To: 250 Feet North of Dallas Street
Fairfax County, VA

December 30, 2013
COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED
STATE HIGHWAY

FAIRFAX COUNTY
ROUTE 657 (WALNEY ROAD)
CONCEPTUAL ROAD AND BRIDGE PLANS

FROM: 0.083 MI. SOUTH OF FLATLICK BRANCH
TO: 0.033 MI. NORTH OF DALLAS STREET
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

DESIGNED BY:

SURVEYED BY:

SUPERVISED BY:

PROJECT LOCATION MAP

STATE PROJECT 0657-029-099,
PE-101, RW-201, C-501, B-641

FAIRFAX COUNTY
Population 1,081,726
2010 Census

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

STATE FEDERAL AID PROJECT
STATE ROUTE PROJECT

SCALE

REVISED

PE-101, RW-201, C-501, B-641

THIS PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.
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THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.
(1) WALNEY ROAD CLOSED TO THRU TRAFFIC. TAKE SULLY ROAD NORTH.
(2) WALNEY ROAD DETOUR. TAKE WESTFIELDS BLVD EAST.
(3) WALNEY ROAD CLOSED TO THRU TRAFFIC. TAKE SULLY ROAD NORTH.
(4) WALNEY ROAD CLOSED TO THRU TRAFFIC. TAKE US ROUTE 50 EAST.
(5) WALNEY ROAD CLOSED TO THRU TRAFFIC. TAKE SULLY ROAD NORTH.
(6) WALNEY ROAD CLOSED TO THRU TRAFFIC. TAKE SULLY ROAD SOUTH.
(7) WALNEY ROAD CLOSED TO THRU TRAFFIC. TAKE SULLY ROAD SOUTH.

Portable Changeable Message Sign Text:

Note:

Denotes detour route.

Detour Plan and Notes:

1. During ongoing work on Willard Road between Nutwood Drive and Willow Road, traffic will be diverted to the south using Sully Road.
2. The detour utilizes Westfields Boulevard, Sully Road, and Willard Road to route traffic to Walney Road north and south of the project.
3. The detour route is depicted in the diagram labeled 'WALNEY ROAD DETOUR' on this sheet. The proposed detour route is shown in black. Black lines represent the proposed route south of the project.
4. Utilities shown on the plans are not guaranteed to be complete and accurate. The Contractor shall be responsible for bearing any liability within the project limits that are identified and altered before beginning work.
5. Resident, business, and emergency access within the project limits shall be maintained at all times during construction.
6. The Contractor shall notify the Engineer at least 72 hours prior to the beginning of work.
7. All work and weekend work may be performed with prior approval from the Engineer.

These plans are unfinished and unapproved and are not to be used for any type of construction or the acquisition of right of way.
TYPICAL SECTIONS

Route 657
Urban Minor Arterial - 40 MPH Design Speed - VDOT Standard GS-6 (Urban Low Speed)
Station 9+55.26 to Station 14+76.89

NOTES:
1. The Shared-Use Path transitions from 10' adjacent to the roadway to 8' on the bridge.

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.
Route 657

Urban Minor Arterial - 40 MPH Design Speed - VDOT Standard GS-6 (Urban Low Speed)
Station 15+52.39 to Station 24+44.56

NOTES:
1. The Shared-Use Path transitions from 10' adjacent to the roadway to 8' on the bridge.

PRIVATE AND COMMERCIAL ENTRANCES

TYPE I
Private and Commercial

TYPE II
Asphalt Commercial

TYPE III
Concrete

TYPE IV
Aggr. 25 or 26

SEEDING

ROUTE 657

Point of Finished Grade

These plans are unfinished and unapproved and are not to be used for any type of construction or the acquisition of right of way.
ROUTE 657

Urban Minor Arterial - 40 MPH Design Speed - VDOT Standard GS-6 (Urban Low Speed)

Station 33+06.00 to Station 37+93.45

NOTES:
1. The existing shared-use path shall remain in-place between Mariah Court and Station 24+44.56.

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.
TYPICAL SECTIONS

Route 657 (near Dallas Street)

Urban Minor Arterial - 40 MPH Design Speed - VDOT Standard GS-6 (Urban Low Speed)
Station 200+95.00 to Station 203+44.00

NOTES:
1. Tie in curb and gutter Station 203+44.

Scale: 5' = 10'

These plans are unfinished and unapproved and are not to be used for any type of construction or the acquisition of right of way.
Proposed Grade

Existing Grade

Transition

Superelevate 2%

Normal Crown

STA = 11+95.00

EL = 260.07

K = 65

L = 240.00

V = 40 MPH

+0.53%
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.
These plans are unfinished and unapproved and are not to be used for any type of construction or the acquisition of right of way.

Proposed Connection to Mariah Ct. Station 23+69.96

Proposed Grade

Existing Grade

Station 50+35.03

Begin Mariah Ct.

Station 50+82.88

End Mariah Ct.

-2.00%

-0.53%

-4.07%

Normal Crown

Superelevate 2%

Transition

+18.89%

+0.58%

+7.08%

STA = 18+90.00
EL = 263.75
K = 69
L = 450.00
V = 42 MPH

STA = 23+50.00
EL = 296.31
K = 45
L = 290.00
V = 40 MPH

50+00

-71.76

+81.01

Transition

+7.08%

+0.58%

+27.01

Normal Crown

Superelevate 2%

Transition

+18.89%

+0.58%

+7.08%
SURVEYED BY
SUPERVISED BY
DESIGNED BY

PROJECT MANAGER

THESE PLANS ARE UNFINISHED
AND UNAPPROVED AND ARE NOT
TO BE USED FOR ANY TYPE
OF CONSTRUCTION OR THE
ACQUISITION OF RIGHT OF WAY.
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REVISED STATE FEDERAL AID PROJECT

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

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ROUTE 657 WIDENING BASELINE

STA = 201+20.00
EL = 311.82

Normal Crown

L = 8.00

Proposed Grade

Existing Grade

V = 40
K = 69

C-501  Station 203+44
End Project 0657-029-099, PE-101,
Begin Construction Station 200+95
Preliminary Plans
These plans not to be used for construction of bridge.
Notes:
1. Piles HP10x42 not shown in Plan or Elevation.
2. Rip rap for scour countermeasure not shown.
3. Architectural treatment shall match appearance of natural stone. Joint sealant system designed to duplicate the appearance of natural stone.

SCALE: ° = 1'-0", Unless otherwise shown.
TRANSVERSE SECTION

PRELIMINARY PLANS

THESE PLANS NOT TO BE USED FOR CONSTRUCTION OF BRIDGE

*Outside face and 10" BR27 railing to be
constructed at same elevation as curb, but with
48" face to face of rails.

With exception of future use
constructed to follow curve.

P.O. Box 964
Richmond, Virginia 23209
