Letter of Submittal

A DESIGN BUILD PROJECT

Greenview Drive Widening

From: Hermitage Road (Route 1541)
To: 0.2 Miles South of Leesville Road (Route 682)
City of Lynchburg and Campbell County, Virginia

State Project No.: U000-118-259, R201, C501
Federal Project No.: STP-5118(235)
Contract ID Number: C00106320DB79

Submitted To:

VDOT
Virginia Department of Transportation

Submitted by:
ORDERS
CONSTRUCTION COMPANY

In Association With:
CLARK·NEXSEN
ATTACHMENT 4.0.1.1
GREENVIEW DRIVE WIDENING
TECHNICAL PROPOSAL CHECKLIST AND CONTENTS

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

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<td>Authorized representative's original signature</td>
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<td>Declaration of intent</td>
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<td>120 day declaration</td>
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<td>Section 4.1.3</td>
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<td>Principal Officer information</td>
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<td>Confirmation that the information provided in the SOQ submittal remains true and accurate or indicates that any requested changes were previously approved by VDOT</td>
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<td>Organizational chart with any updates since the SOQ submittal clearly identified</td>
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<td>Conceptual Roadway Plans – Plan View</td>
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<td>Proposal Schedule</td>
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<td>Section 4.2.3</td>
<td>41-48</td>
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<tr>
<td>Proposal Schedule in electronic format (CD or DVD-Rom)</td>
<td>NA</td>
<td>Section 4.2.3</td>
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</table>
ATTACHMENT 3.6

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION

RFP NO.: C0016320DB79
PROJECT NO.: U000-118-259, R201, C501

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 11, 2014 – RFP (Date)

2. Cover letter of October 28, 2014 – Addendum #1 (Date)

3. Cover letter of (Date)

[Signature]
11/10/2014

Nate Orders
PRINTED NAME

President
TITLE
November 10, 2014

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

RE: Greenview Drive Widening, Project No. C00106320DB79

Mr. Reichert:

Orders Construction Company, Inc. offers:

1. 4.1.2 Orders will if selected enter into a contract with VDOT for the project in accordance with terms in the RFP.

2. 4.1.3 Pursuant to Part 1 Section 8.2 Orders Construction Co., Inc. declares that the offer represented be the proposal will remain in full force and effect for one hundred twenty days after the date the letter of submittal and attachments are actually submitted to VDOT.

3. 4.1.4 Nathaniel Orders
   President
   501 Sixth Ave.
   St. Albans, WV 25177
   Phone – 304-722-4237
   Fax – 304-722-4230
   Email – nateo@ordersconstruction.com
   Mr. Orders will serve as Point of Contact for Orders Construction Co., Inc.

4. 4.1.5 Nathaniel Orders
   President
   501 Sixth Ave.
   St. Albans, WV 25177
   Phone – 304-722-4237
   Will as President serve as Principal Office for Orders Construction Co. Inc.
5. 4.1.6 Orders Construction Co., Inc. proposes July 25, 2017 as the Final Completion Date.

6. 4.1.9 This statement serves that Orders Construction Co., Inc. is committed to achieving or exceeding a 7% DBE Participation goal for the entire value of the contract.

Sincerely,

[Signature]
Nathaniel Orders
President
ATTACHMENT 9.3.1

PROPOSAL PAYMENT AGREEMENT

THIS PROPOSAL PAYMENT AGREEMENT (this “Agreement”) is made and entered into as of this 10 day of November, 2014, by and between the Virginia Department of Transportation (“VDOT”), and [Company Name] (“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 Greenview Drive Widening, Project No. U000-118-259 (“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.

   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]

By: ____________________________

Name: Nathaniel R. Ordaz

Title: President
ATTACHMENT NO. 11.8.6(a)

CERTIFICATION REGARDING DEBARMENT
PRIMARY COVERED TRANSACTIONS

Project: U000-118-259
Contract ID: C00106320DB79

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] [Date] [Title]

[Name of Firm]
ATTACHMENT NO. 11.8.6(b)

CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

Project: U000-118-259
Contract ID: C00106320DB79

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]  11/09/2014  Principal

Signature  Date  Title

Clark Nexsen, Inc.
Name of Firm
ATTACHMENT NO. 11.8.6(b)
CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

Project: U000-118-259
Contract ID: C00106320DB79

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.

______________________________  11/10/2014  ________________________________
Signature                      Date                                           Title

______________________________
Name of Firm

Bowman Consulting Group Ltd
ATTACHMENT NO. 11.8.6(b)

CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

Project: U000-118-259
Contract ID: C00106320DB79

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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] 11/10/14  
[Name of Firm]  

[Signature] 11/10/14  
[Name of Firm]  

[Signature] 11/10/14  
[Name of Firm]
CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

Project: U000-118-259
Contract ID: C00109320DB79

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: 11/9/14
Title: Director of Engineering

[Signature]
Name of Firm: H器 & PreF. IT, INC.
ATTACHMENT NO. 11.8.6(b)

CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

Project: U000-118-259
Contract ID: C00106320DB79

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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] 11/9/2014
Signature  Date

Hassan Water Resources, PLC

Name of Firm
ATTACHMENT NO. 11.8.6(b)

CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

Project: U000-118-259
Contract ID: C00106320DB79

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Signature  Date

Title

Name of Firm
ATTACHMENT NO. 11.8.6(b)

CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

Project: U000-118-259
Contract ID: C00106320DB79

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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] [Title]

Name of Firm

Frechling & Robertson, Inc.
November 10, 2014

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

RE: Greenview Drive Widening, Project No. C00106320DB79

Mr. Reichert:

Please accept this letter stating that there have been no changes in the Organizational Chart nor Functional Relationship. Attached are the pages that were included in our Statement of Qualifications Submittal.

If you need any further information, please let me know.

Sincerely,

Charlie Stokes
Functional relationships between VDOT key personnel, project leaders and third parties are described on the following page.
Functional Relationship

Orders and Clark Nexsen are both experienced in developing and maintaining effective lines of communication within the project team. Both firms are very hands on and will facilitate the necessary input and guidance to optimize the project and see it to a successful completion. In order to prevent unnecessary project delays, it may sometimes be required that other members within the D-B Team communicate directly with their counterparts at VDOT, as directed and authorized in advance by both the D-B Project Manager and the VDOT Project Manager.

VDOT’s Project Manager will coordinate directly with the Design-Build Project Manager (PM). He will also interact with the Quality Assurance manager (QAM) through VDOT's independent assurance and verification process.

The Design-Build Project Manager (PM), Mr. Charlie Stokes will be VDOT’s primary contact and will be in-charge of all phases of the project and is directly responsible to VDOT for the successful performance and delivery of this project. He will communicate between the D-B Team and VDOT, in order to maintain schedule, budget, and quality. The Design Manager (DM), Construction Manager (CM) and Quality Assurance Manager (QAM) will report directly to Mr. Stokes through the entire project. The Safety Manager Mr. Jeff Dixon will also report to the Design-Build Project Manager.

Design Manager (DM), Mr. Dave Bradshaw, PE will be responsible for the successful completion of quality design and construction documents as well as managing all of the sub-consultant services for this project. Communication protocols within the team will be set to allow Mr. Bradshaw to communicate with VDOT technical staff when required, and assure follow-up communication with the Design-Build Project Manager. He will also interact with CM and QAM. Design Quality Control Manager, Danny Taylor, P.E. will perform independent QC of all design work prior to all the submittals. He will communicate directly with the Design Manager Dave Bradshaw.

Construction Manager (CM), Mr. Kevin Conner will report directly to the PM and will be responsible for managing the construction process and all construction quality control activities. He will supervise the construction superintendents as well as coordinate all subcontractor work and construction quality control activities with the construction Quality Control Manager.

Quality Assurance Manager (QAM), Mr. Joe Hamed, PE will be responsible for the Quality Assurance program (QA) and will coordinate with VDOT, supervise project QA inspection staff and coordinate with QA testing agency. He will maintain conformance with the Contract Documents and will have the overall responsibility of the D-B QA/QC Plan. He will also interact with project DM and the QCM.

Construction Quality Control Manager (QCM), Carl P. Bell, PE will perform all construction QC work for the contractors and report directly to the CM.

Project Leaders (design services) will report directly to the DM and are responsible for their assigned disciplines. They will also interact with the construction team and the QAM through the DM as necessary.

Key Third Parties will coordinate with the PM and VDOT, as required. They may also interact with other team members through the PM as necessary.
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.
Proposal Schedule

For

U000-118-259,C501
Contract ID No.: C00106320DB79
Federal Project No.: STP-5118(235)
Greenview Drive Widening
City of Lynchburg and Campbell County, VA

November 10, 2014

Submitted by:
ORDERS
CONSTRUCTION COMPANY

Main Office:
501 6th Avenue
P.O. Box 1448
Saint Albans, WV 25177
304-722-4237 (phone)
304-722-4230 (fax)

Virginia Office:
605 Lithia Road
Wytheville, VA 24382
276-227-0378 (phone)
276-223-0134 (fax)

Submitted to:

VDOT Virginia Department of Transportation

Attn: Kevin Reichert, P.E.
1401 East Broad Street
Richmond, VA 23219
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<th>Description</th>
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Plan of Operations

The anticipated project Notice to Proceed date is February 18, 2015.

Our intended sequence of construction for this project will be as outlined below. The project is broken down into two major stages (pre-construction and construction) with the construction stage broken down into three phases.

Sequence & General Procedures:

Upon contract execution Orders Construction and Clark Nexson will begin work on the pre-construction stage activities. The initial items of work to be performed will be the utility designations, geotechnical investigation, environmental permit applications, and survey validation. Once these items are complete the initial Roadway Right of Way Plans (ROW) will be developed and submitted for approval. Once the ROW plans are approved the design group will proceed to develop the full construction plan set and right of way acquisition will begin. Right of way acquisition is to be broken down and prosecuted in six groups.

Once all the environmental permits are acquired, final construction plans developed and approved, and the first right of way group is cleared the construction phase will begin with initial mobilization, compound setup and utility relocation work starting. The remaining right of way group acquisition will continue, with all groups cleared prior to Phase II Construction commencing.

Phase I Construction will consist of Orders Construction and W-L Construction performing all work along Greenview Drive and Airport Road from Stations 55+00 to 83+00. Phase I work will commence with all work being done on the left sides of Greenview Drive and Airport Road, working simultaneously. Once the left sides are complete, a temporary traffic signal will be installed and the traffic will be switched to the completed roadway sections and work will continue on the right sides of Greenview Drive and Airport Road. Phase I Construction will conclude with the full completion of Greenview Drive and Airport Road.

Phase II Construction will consist of Orders Construction and W-L Construction performing all work along Leesville Road from Stations 128+00 to 140+00. Phase II work will commence with all work being done on the right side of Leesville Road. Once complete traffic will be switched and the left side of Leesville Road will be constructed. Installation of the retaining wall along Leesville Road will also be constructed during this phase.

Phase III Construction will consist of Orders Construction and W-L Construction performing all work within the Greenview Drive / Airport Road and Leesville Road intersection. A temporary detour will be implemented to allow for construction of the intersection. Final asphalt paving, guardrail, pavement markings, signage, and the permanent signal installation and implementation will also be performed under this phase.

Once the Construction Stage is complete Orders Construction and Clark Nexson will work to close the project out, compiling and submitting all the final project documentation and as-built plans.
**Planned Resources:**

The following is a list of initial planned resources for this project.

Two Roadway Crews:
- Supervisor
- Minimum of three operators
- Minimum of two truck drivers
- Minimum of two laborers

Roadway Equipment:
- 2 Hydraulic Excavators
- 2 Rollers
- 2 Dozers
- 4 Trucks
- 1 Motor Grader

Concrete Crew:
- Superintendent
- Minimum of two carpenters
- Minimum of two laborers

Concrete Equipment:
- Backhoe
- Dump Truck
- Slip Form Paver

**Major Operation Planned Production Rates:**

The following is a list of planned production rates for major operations on this project:
- Excavation - 320 CY/Shift
- Aggregate Placement - 235 TON/Shift
- Fine Grading - 1050 SY/Shift
- Hand Form Curb - 200 LF/Shift
- Slip Form Curb - 500 LF/Shift
- Hand Form Walk - 150 LF/Shift
- Slip Form Walk - 375 LF/Shift

**Assumptions:**

The project schedule was developed based on the information contained in the contract documents and it is assumed that all information is correct, accurate, and representative of the conditions to be encountered in the field. No other extemporaneous assumptions were utilized in the development of this schedule.
Critical Activities

The project critical path starts with the notice to proceed and runs through the design stage survey validation, Roadway Right of Way Plan development and approval, Group 1 Right of Way Acquisition and Utility Relocations. The critical path then goes to the Construction Stage running through the Phase I drainage and grade work and the remaining subsequent activities along the right side of Greenview Drive. The critical path then follows the Phase II construction of the right and left sides of Leesville Road. Next the critical path follows the Phase III detour implementation, and full construction of the Greenview Drive / Airport Road and Leesville Road intersection. The critical path concludes with development of the final as-built plans and submission of the final project documentation.

A list of the full critical (longest path) activities for the project is included in the submission in the schedule log file.

Tabular Milestone Schedule

The following is a tabular breakdown of the Milestones included in the project schedule.

<table>
<thead>
<tr>
<th>Milestone ID</th>
<th>Description</th>
<th>Start</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1310</td>
<td>Pre Construction Stage Start</td>
<td>2/19/2015</td>
<td></td>
</tr>
<tr>
<td>A1320</td>
<td>Pre Construction Stage Finish</td>
<td>-</td>
<td>4/22/2016</td>
</tr>
<tr>
<td>A1290</td>
<td>Construction Stage Start</td>
<td>11/11/2015</td>
<td></td>
</tr>
<tr>
<td>A1300</td>
<td>Construction Stage Finish</td>
<td>-</td>
<td>6/27/2017</td>
</tr>
<tr>
<td>A2500</td>
<td>Construction Phase 1 Start</td>
<td>11/18/2015</td>
<td></td>
</tr>
<tr>
<td>A2510</td>
<td>Construction Phase 1 Finish</td>
<td>-</td>
<td>8/24/2016</td>
</tr>
<tr>
<td>A2520</td>
<td>Construction Phase 2 Start</td>
<td>8/25/2016</td>
<td></td>
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<tr>
<td>A2530</td>
<td>Construction Phase 2 Finish</td>
<td>-</td>
<td>4/13/2017</td>
</tr>
<tr>
<td>A2560</td>
<td>Construction Phase 3 Start</td>
<td>4/13/2017</td>
<td></td>
</tr>
<tr>
<td>A2570</td>
<td>Construction Phase 3 Finish</td>
<td>-</td>
<td>6/27/2017</td>
</tr>
<tr>
<td>A1330</td>
<td>Project Substantial Completion</td>
<td>7/18/2017</td>
<td>-</td>
</tr>
<tr>
<td>A1280</td>
<td>Project Completion</td>
<td>-</td>
<td>7/25/2017</td>
</tr>
</tbody>
</table>

Schedule Constraints

The following schedule constraints were utilized in the development of the schedule.

<table>
<thead>
<tr>
<th>Activity ID</th>
<th>Description</th>
<th>Constraint</th>
<th>Reason</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1000</td>
<td>Contract Execution</td>
<td>Start on</td>
<td>Required by SP</td>
</tr>
<tr>
<td>A1010</td>
<td>Notice to Proceed</td>
<td>Start on</td>
<td>Required by SP</td>
</tr>
<tr>
<td>A1280</td>
<td>Project Completion</td>
<td>Finish on or Before</td>
<td>Required by SP</td>
</tr>
</tbody>
</table>
Working Calendars

The normal project work week will be 7:00 am to 5:00 pm Monday through Friday. Work hours and work days are subject to adjustment depending on ongoing operations and work progression.

The following project specific calendars were utilized to build the schedule.

- VDOT - 5 Days/Week 8 Hrs/Day with Holidays - Standard Calendar for Project
- VDOT - Global 7 Days/Week 24 Hrs/Day
- VDOT - Winter Calendar - Paving Restriction - uses 4 Days/Week 10 Hrs/Day with Holidays plus blocks from December 25 through March 15

The Schedule was built primarily utilizing the 5 Day - 8 Hr/Day Week with all Holiday restrictions observed. Weather will be accounted for by utilizing 10-Hr Days and/or working longer shifts or on the weekend when necessary.

Potential Issues

Current issues that have already been brought to the Department's attention.

1. Utility Relocation - relocation of existing utilities could become an issue if not completed in a timely manner.

At this time we do not see any other potential issues which will negatively impact the schedule.
SCHEDLOG.TXT
Scheduling/Leveling Report - 06-Nov-14 - PM.exe

Default
Project............................................C00106320DB79_RFP_PS

Projects:
C00106320DB79_RFP_PS............................................VDOT Design Build
Greenview

Scheduling/Leveling Settings:

General
- Scheduling .............................................Yes
- Leveling ..............................................No
- Ignore relationships to and from other projects ........No
- Make open-ended activities critical .................No
- Use Expected Finish Dates .........................Yes
- Schedule automatically when a change affects dates ......No
- Level resources during scheduling ....................No
- Recalculate assignment costs after scheduling .......No
- When scheduling progressed activities use ..........Retained

Logic
- Calculate start-to-start lag from .........Early Start
- Define critical activities as ...............Longest

Path
- Compute Total Float As .....................Finish

Float
- Calculate float based on finish date of ..........Each
- Project Calendar for scheduling Relationship Lag ....Predecessor

Activity Calendar

Advanced
- Calculate multiple float paths ...............No

Statistics:
- # Projects............................................1
- # Activities........................................158
- # Not Started......................................158
- # In Progress......................................0
- # Completed.......................................0
- # Relationships...................................188
- # Activities with Constraint.................3

Project: C00106320DB79_RFP_PS Activity: A1000

Contract Execution

Project: C00106320DB79_RFP_PS Activity: A1010

Notice to Proceed

Project: C00106320DB79_RFP_PS Activity: A1280

Project Completion

Errors:
- 

Warnings:
- 

Activities without predecessors........................................1

Project: C00106320DB79_RFP_PS Activity: A1000

Contract Execution

Page 1
Activities without successors..............................................1

Project Completion

Out-of-sequence activities..............................................0
Activities with Actual Dates > Data Date..............................................0
Milestone Activities with invalid relationships..............................0

Scheduling/Leveling Results:

# Projects Scheduled/Leveled.............................................158
# Activities Scheduled/Leveled..............................................0
Data Date..............................................07-Nov-14
Earliest Early Start Date.............................................16-Feb-15
Latest Early Finish Date.............................................25-Jul-17

Exceptions:

Critical Activities..............................................70

Notice to Proceed
Project: C00106320DB79_RFP_PS Activity: A1010
Project Completion
Project: C00106320DB79_RFP_PS Activity: A1280
Construction Stage Finish
Project: C00106320DB79_RFP_PS Activity: A1300
Project Work Substantial Completion
Project: C00106320DB79_RFP_PS Activity: A1330
Close Out Paperwork
Project: C00106320DB79_RFP_PS Activity: A1340
Property Notification
Project: C00106320DB79_RFP_PS Activity: A1345 Send
Survey Validation
Project: C00106320DB79_RFP_PS Activity: A1350
Roadway Plan Design
Project: C00106320DB79_RFP_PS Activity: A1360
Submit ROW Plans (1st Submission)
Project: C00106320DB79_RFP_PS Activity: A1390
Review / Comment ROW Plans (1st Submission)
Project: C00106320DB79_RFP_PS Activity: A1400 VDOT
Revise and Resubmit ROW Plans
Project: C00106320DB79_RFP_PS Activity: A1420 VDOT
Review / Approve ROW Plans
Project: C00106320DB79_RFP_PS Activity: A1440
Group 1 Cleared
Project: C00106320DB79_RFP_PS Activity: A1520 AEP
Project: C00106320DB79_RFP_PS Activity: A1530
Verizon
Project: C00106320DB79_RFP_PS Activity: A1540
Comcast
Project: C00106320DB79_RFP_PS Activity: A1700
Clear and Grub Leesville STA 126 + 90 to 140 + 89 Right
Project: C00106320DB79_RFP_PS Activity: A1800 Curb
and Gutter Leesville STA 126 + 90 to 133 Right
Project: C00106320DB79_RFP_PS Activity: A1810
Drainage Leesville STA 135 to 139 + 00
Project: C00106320DB79_RFP_PS Activity: A1820
Grade Aggregate
Road Leesville STA 136 + 80 Right
Project: C00106320DB79_RFP_PS Activity: A1830
Aggregate Base Leesville STA 135 to 140 + 90 Right
Project: C00106320DB79_RFP_PS Activity: A1840 Curb
<table>
<thead>
<tr>
<th>Activity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1850</td>
<td>Asphalt Pave Leesville STA 135 to 140 + 90 Right</td>
</tr>
<tr>
<td>A1860</td>
<td>Install Temp Signal System Intersection Leesville-Greenview</td>
</tr>
<tr>
<td>A1870</td>
<td>Remove Existing Signal</td>
</tr>
<tr>
<td>A1890</td>
<td>Install Drainage Greenview STA 50 to 70 Right</td>
</tr>
<tr>
<td>A1900</td>
<td>Grade Greenview STA 49 + 50 to 70 Right</td>
</tr>
<tr>
<td>A1910</td>
<td>Aggregate Base Greenview STA 49 + 50 to 70 Right</td>
</tr>
<tr>
<td>A1920</td>
<td>and Gutter Greenview STA 49 + 50 to 70 Right</td>
</tr>
<tr>
<td>A1930</td>
<td>Construct Median Greenview STA 61 + 50 to 70</td>
</tr>
<tr>
<td>A1940</td>
<td>and Gutter Median STA 61 + 50 to 70</td>
</tr>
<tr>
<td>A1950</td>
<td>Asphalt Pave STA 49 to 70 Right Greenview</td>
</tr>
<tr>
<td>A1960</td>
<td>Switch Traffic to Ultimate Greenview STA 48 to 69 + 50</td>
</tr>
<tr>
<td>A2150</td>
<td>Barrier Leesville STA 135 to Mt. Sterling Drive</td>
</tr>
<tr>
<td>A2160</td>
<td>Switch Traffic Leesville to Right Side</td>
</tr>
<tr>
<td>A2170</td>
<td>Clear and Grub Leesville Left STA 135 to Mt. Sterling Drive</td>
</tr>
<tr>
<td>A2180</td>
<td>Rough Grade Leesville Left STA 135 to Mt. Sterling Drive</td>
</tr>
<tr>
<td>A2190</td>
<td>Install Drainage Leesville STA 135 to Mt. Sterling Drive</td>
</tr>
<tr>
<td>A2200</td>
<td>Aggregate Base Leesville Left STA 135 to Mt. Sterling Drive</td>
</tr>
<tr>
<td>A2210</td>
<td>and Gutter Leesville Left STA 135 to Mt. Sterling Drive</td>
</tr>
<tr>
<td>A2220</td>
<td>Form/Pour Sidewalk Leesville Left STA 135 to Mt. Sterling Drive</td>
</tr>
<tr>
<td>A2230</td>
<td>Asphalt Pave Leesville Left STA 135 to Mt. Sterling</td>
</tr>
<tr>
<td>A2240</td>
<td>Switch Traffic Leesville STA 135 to Mt. Sterling - Ultimate</td>
</tr>
<tr>
<td>A2250</td>
<td>Clear and Grub Leesville Left STA 126 + 90 TO 133 + 50</td>
</tr>
<tr>
<td>A2260</td>
<td>Rough Grade Leesville Left STA 126 + 90 TO 133 + 50</td>
</tr>
<tr>
<td>A2270</td>
<td>Install Drainage Leesville Left STA 126 + 90 TO 133 + 50</td>
</tr>
<tr>
<td>A2280</td>
<td>Aggregate Base Leesville Left STA 126 + 90 TO 133 + 50</td>
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<tr>
<td>A2290</td>
<td>and Gutter Leesville Left STA 126 + 90 TO 133 + 50</td>
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<tr>
<td>A2300</td>
<td>Form/Pour Sidewalk Leesville Left STA 126 + 90 TO 133 + 50</td>
</tr>
<tr>
<td>A2310</td>
<td>Asphalt Pave Leesville Left STA 126 + 90 TO 133 + 50</td>
</tr>
<tr>
<td>A2320</td>
<td>Switch Traffic to Ultimate, Leesville STA 126 + 90 TO 133 + 50</td>
</tr>
<tr>
<td>A2330</td>
<td>Detour in Place</td>
</tr>
<tr>
<td>A2340</td>
<td>Grade Intersection</td>
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<tr>
<td>Project</td>
<td>Activity</td>
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<tr>
<td>---------</td>
<td>----------</td>
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<tr>
<td>Aggregate Base Intersection</td>
<td>A2350</td>
</tr>
<tr>
<td>Construct Median Leesville Road STA 132 + 25 to 133 + 60</td>
<td>A2360</td>
</tr>
<tr>
<td>Construct Median Leesville Road STA 134 + 80 to 136 + 50</td>
<td>A2370</td>
</tr>
<tr>
<td>Construct Median Greenview STA 70</td>
<td>A2380</td>
</tr>
<tr>
<td>Construct Median Airport Road STA 71 + 50</td>
<td>A2390</td>
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<tr>
<td>Asphalt Pave Intersection</td>
<td>A2400</td>
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<tr>
<td>Install New Guardrail</td>
<td>A2450</td>
</tr>
<tr>
<td>Place Asphalt Surface</td>
<td>A2470</td>
</tr>
<tr>
<td>Install Stamped Asphalt Crosswalk</td>
<td>A2480</td>
</tr>
<tr>
<td>Final Pavement Marking</td>
<td>A2490</td>
</tr>
<tr>
<td>Construction Phase 1 Finish</td>
<td>A2510</td>
</tr>
<tr>
<td>Construction Phase 2 Start</td>
<td>A2520</td>
</tr>
<tr>
<td>Construction Phase 2 Finish</td>
<td>A2530</td>
</tr>
<tr>
<td>Construction Phase 3 Start</td>
<td>A2560</td>
</tr>
<tr>
<td>Construction Phase 3 Finish</td>
<td>A2570</td>
</tr>
<tr>
<td>Submit Design Calculations</td>
<td>A2650</td>
</tr>
<tr>
<td>Record Plans (As-Built)</td>
<td>A2690</td>
</tr>
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</table>

Activities with unsatisfied constraints: 0
Activities with unsatisfied relationships: 0
Activities with external dates: 0