

RESPONSE TO REQUEST FOR PROPOSALS

# SYCOLIN ROAD OVERPASS OF THE ROUTE 7/15 BYPASS IN LEESBURG

A DESIGN-BUILD PROJECT  
LOUDOUN COUNTY, VIRGINIA

## LETTER OF SUBMITTAL



State Project No.: 6007-053-S96  
Federal Project No.: STP-5A01(229)  
Contract ID Number: C00099256DB53

Submitted To:



Submitted By:



In Association With:



**ATTACHMENT 4.0.1.1**  
**SYCOLIN ROAD OVERPASS OF THE ROTUE 7-15 BYPASS IN LEESBURG**  
**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.

<b>Letter of Submittal Component</b>	<b>Form (if any)</b>	<b>RFP Part 1 Cross Reference</b>	<b>Page Reference</b>
<b>Letter of Submittal Checklist and Contents</b>	Attachment 4.0.1.1	Section 4.0.1.1	i-ii
<b>Acknowledgement of RFP, Revisions, and/or Addenda</b>	Attachment 3.4 (Form C-78-RFP)	Sections 3.4; 4.0.1.1	iii
<b>Letter of Submittal</b>	NA	Sections 4.1	
Letter of Submittal on Offeror's letterhead	NA	Section 4.1.1	1-2
Offeror's full legal name and address	NA	Section 4.1.1	1
Authorized representative's original signature	NA	Section 4.1.1	2
Declaration of intent	NA	Section 4.1.2	1
120 day declaration	NA	Section 4.1.3	1
Point of Contact information	NA	Section 4.1.4	1
Principal Officer information	NA	Section 4.1.5	1
Offeror's Corporate Structure	NA	Section 4.1.6	1
Full Legal Name of Lead Contractor and Lead Designer	NA	Section 4.1.7	2
Offeror's VDOT prequalification information	NA	Section 4.1.8	2
DBE statement confirming Offeror is committed to achieving the required DBE goal	NA	Section 4.1.9	2
Substantial and Final Completion Date(s)	NA	Section 4.1.10	2

<b>Letter of Submittal Component</b>	<b>Form (if any)</b>	<b>RFP Part 1 Cross Reference</b>	<b>Page Reference</b>
<b>Attachments to the Letter of Submittal</b>	NA	Section 4.2	
Affiliated and/ or Subsidiary Companies	Attachment 4.2.1	Section 4.2.1	3-4
Certification Regarding Debarment Forms	Attachment 4.2.2(a) Attachment 4.2.2(b)	Section 4.2.2	5-11
Offeror's VDOT prequalification information	NA	Section 4.2.3	12
Evidence of obtaining bonding	NA	Section 4.2.4	13-15
Full size copies of DPOR licenses and SCC registrations	NA	Section 4.2.5	16-28
SCC registration information - businesses	Attachment 4.2.5	Section 4.2.5.1	29
DPOR registration information - businesses	Attachment 4.2.5	Section 4.2.5.2	29
Lead Contractor Work History Form	Attachment 4.2.6(a)	Section 4.2.6	30-32
Lead Designer Work History Form	Attachment 4.2.6(b)	Section 4.2.6	33-35
Conceptual Roadway Plans	NA	Section 4.2.7	36-41
Conceptual Bridge Plans	NA	Section 4.2.8	42-43

**ATTACHMENT 3.4**

**COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION**

RFP NO. C00099256DB53  
PROJECT NO.: 6007-053-S96

**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 3.4, 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 July 31, 2012 – RFP  
(Date)
2. Cover letter of September 7, 2012 – Addendum #1  
(Date)
3. Cover letter of \_\_\_\_\_  
(Date)



\_\_\_\_\_  
SIGNATURE

October 4, 2012

DATE





October 4, 2012

Mr. Ian Millikan, PE  
Virginia Department of Transportation  
1401 East Broad Street  
Richmond, VA 23219

RE: Sycolin Road Overpass of the Route 7/15 Bypass in Leesburg  
From: 0.9 Miles North of Hope Parkway To: 0.16 Miles North of Gateway Drive  
Loudoun County, Virginia, Contract ID Number C00099256DB53  
Section 4.1 - Letter of Submittal

Dear Mr. Millikan:

Shirley Contracting Company, LLC, (Shirley) 8435 Backlick Road, Lorton, Virginia 22079, as the Offeror, is pleased to submit this Proposal for the Sycolin Road Overpass of the Route 7/15 Bypass in Leesburg (the Project) to the Virginia Department of Transportation (VDOT). Together with Dewberry and Davis, LLC as the Engineer of Record, we will provide VDOT and the traveling public with an unequalled level of assurance that the Project will be completed successfully and will exceed the priorities established.

**Offeror's Intent:** Should VDOT select Shirley for award of the Sycolin Road Overpass of the Route 7/15 Bypass in Leesburg Project, Shirley will enter into a contract with VDOT for the Project in accordance with the terms of the Request for Proposal.

**Declaration:** The offer represented by our Price Proposal will remain in full force and effect for one hundred twenty (120) days from the date this Proposal is actually submitted to VDOT.

**Our point of contact for the Offeror will be:**

Mr. Garry A. Palleschi  
Vice President  
Shirley Contracting Company, LLC  
8435 Backlick Road  
Lorton, Virginia 22079  
(P) 703-550-8100 (F) 703-550-7899  
gpalleschi@shirleycontracting.com

**The Principal Officer for the Offeror will be:**

Mr. Michael E. Post  
President/CEO  
Shirley Contracting Company, LLC  
8435 Backlick Road  
Lorton, Virginia 22079  
(P) 703-550-8100 (F) 703-550-7899  
mpost@shirleycontracting.com

**Structure:** Shirley Contracting Company, LLC, a limited liability company, will be the legal entity, will have financial responsibility for the Project and will have joint and several liability for the performance of the work. There are no liability limitations. Our bonding approach will be to provide performance and payment bonds for the total contract value and time period.

**Full Legal Name of Lead Contractor:** Shirley Contracting Company, LLC

Full Legal Name of Lead Designer: Dewberry & Davis, LLC

VDOT Prequalification Number and Status: Shirley Contracting Company, LLC is currently Prequalified with VDOT. Our Vendor number is **S018**. A screen shot print out from VDOT's on-line Prequalified List is attached.

DBE Participation Goal: Based on our experience and efforts we will put forward on the project, we commit to meeting the 20% DBE goal for the Sycolin Road Overpass of the Route 7/15 Bypass in Leesburg Project.

Interim Milestone Date: 8/15/14

Substantial Completion Date: 10/14/14

Final Completion Date: 10/14/14

On behalf of our Team, we thank the Virginia Department of Transportation for the opportunity to submit this Technical Proposal in response to your Request for Proposals and we look forward to your favorable review.

Sincerely,



Michael E. Post  
President/CEO/Manager  
Shirley Contracting Company, LLC





## ATTACHMENT 4.2.1

### State Project No. 6007-053-S96

#### Affiliated and Subsidiary Companies of the Offeror

Offerors shall complete the table and include the addresses of affiliates or subsidiary companies as applicable. By completing this table, Offerors certify that all affiliated and subsidiary companies of the Offeror are listed.

<input type="checkbox"/> <b>The Offeror does not have any affiliated or subsidiary companies.</b>
<input checked="" type="checkbox"/> <b>Affiliated and/ or subsidiary companies of the Offeror are listed below.</b>

Relationship with Offeror (Affiliate or Subsidiary)	Full Legal Name	Address
Affiliate	Atkinson Construction	7500 Old Georgetown Road, Bethesda, MD 20814
Affiliate	Atkinson Contractors, LP	7500 Old Georgetown Road, Bethesda, MD 20814
Affiliate	Shirley Design/Build, LLC	8435 Backlick Road, Lorton, Virginia 22079
Affiliate	SCC Infrastructure	7500 Old Georgetown Road, Bethesda, MD 20814
Affiliate	Clark Construction Group, LLC	7500 Old Georgetown Road, Bethesda, MD 20814
Affiliate	Clark Enterprises	7500 Old Georgetown Road, Bethesda, MD 20814
Affiliate	Clark Civil Construction, LLC	7500 Old Georgetown Road, Bethesda, MD 20814
Affiliate	Clark Concrete Contractors, LLC	7500 Old Georgetown Road, Bethesda, MD 20814
Affiliate	Clark Construction International, LLC	7500 Old Georgetown Road, Bethesda, MD 20814
Affiliate	Clark Construction, LLC	7500 Old Georgetown Road, Bethesda, MD 20814
Affiliate	Clark Design/Build, LLC	7500 Old Georgetown Road, Bethesda, MD 20814
Affiliate	Clark Facility Services, LLC	7500 Old Georgetown Road, Bethesda, MD 20814
Affiliate	Clark Foundations, LLC	7500 Old Georgetown Road, Bethesda, MD 20814
Affiliate	Clark Global Technologies, LLC	7500 Old Georgetown Road, Bethesda, MD 20814
Affiliate	Clark Real Estate Advisors, LLC	7500 Old Georgetown Road, Bethesda, MD 20814

**ATTACHMENT 4.2.1**

**State Project No. 6007-053-S96**

**Affiliated and Subsidiary Companies of the Offeror**

<b>Relationship with Offeror (Affiliate or Subsidiary)</b>	<b>Full Legal Name</b>	<b>Address</b>
Affiliate	Clark Strategic Operations Group, LLC	7500 Old Georgetown Road, Bethesda, MD 20814
Affiliate	Clark/Balfour Beatty NCE, A Joint Venture	7500 Old Georgetown Road, Bethesda, MD 20814
Affiliate	Edgemoor Real Estate Services, LLC	7500 Old Georgetown Road, Bethesda, MD 20814
Affiliate	Innovative Infrastructure, LLC	8435 Backlick Road, Lorton, Virginia 22079
Affiliate	Loudoun County Transportation Networks, LLC	7500 Old Georgetown Road, Bethesda, MD 20814
Affiliate	Metro Earthworks,	8435 Backlick Road, Lorton, Virginia 22079
Affiliate	Route 28 Corridor Improvements, LLC	8435 Backlick Road, Lorton, Virginia 22079
Affiliate	Shirley Pentagon Constructors,, LLC	8435 Backlick Road, Lorton, Virginia 22079
Affiliate	Shirley/Clark Loudoun Infrastructure, LLC	8435 Backlick Road, Lorton, Virginia 22079
Affiliate	Charlottesville Bypass Constructors, A Joint Venture	8435 Backlick Road, Lorton, Virginia 22079



**ATTACHMENT 4.2.2(a)**  
**CERTIFICATION REGARDING DEBARMENT**  
**PRIMARY COVERED TRANSACTIONS**

**Project No.: 6007-053-S96**

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.

10/4/12	President/CEO
_____ Signature	_____ Title

Shirley Contracting Company, LLC  
\_\_\_\_\_  
Name of Firm

**ATTACHMENT 4.2.2(b)**  
**CERTIFICATION REGARDING DEBARMENT**  
**LOWER TIER COVERED TRANSACTIONS**

**Project No.: 6007-053-S96**

- 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.

	<u>10/3/2012</u>	<u>Executive Vice President</u>
Signature	Date	Title

Dewberry Consultants LLC (formerly known as Dewberry & Davis LLC)  
Name of Firm

**ATTACHMENT 4.2.2(b)**  
**CERTIFICATION REGARDING DEBARMENT**  
**LOWER TIER COVERED TRANSACTIONS**

**Project No.: 6007-053-S96**

- 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	September 27, 2012 _____ Date	President _____ Title
Quinn Consulting Services, Inc.		
_____ Name of Firm		

**ATTACHMENT 4.2.2(b)**  
**CERTIFICATION REGARDING DEBARMENT**  
**LOWER TIER COVERED TRANSACTIONS**

**Project No.: 6007-053-S96**

- 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.

	9/20/12	President
Signature	Date	Title

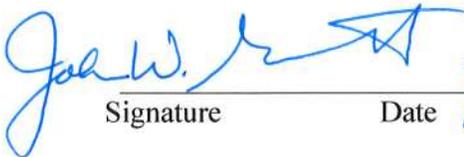
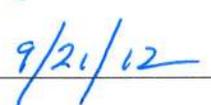
GeoConcepts Engineering, Inc.  
Name of Firm

ATTACHMENT 4.2.2(b)  
CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS

**Project No.: 6007-053-S96**

- 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	Date	Title

SKELLY AND LOY, INC.  
Name of Firm

**ATTACHMENT 4.2.2(b)**  
**CERTIFICATION REGARDING DEBARMENT**  
**LOWER TIER COVERED TRANSACTIONS**

**Project No.: 6007-053-S96**

- 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.

 9/25/12  
Signature                      Date

President  
Title

Diversified Property Services, Inc.  
Name of Firm

ATTACHMENT 4.2.2(b)  
CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS

Project No.: 6007-053-S96

- 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.

RP [Signature]                      9-21-12                      Settlement Officer  
Signature                      Date                      Title

Old Dominion Settlements Inc, T/A Key Title  
Name of Firm



TRANSPORT - E22  
LSPPREQ

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
PREQUALIFIED VENDORS SORTED BY VENDOR NAME  
THIS LIST INCLUDES ALL PREQUALIFIED LEVELS  
AS OF 09/21/2012  
- S -

09/21/2012  
2:17 PM  
PAGE 362

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S1060  
SHEPAUL ENTERPRISES, INC.  
PREQ. EXP : 09/30/2013

--PREQ ADDRESS ----- WORK CLASSES (LISTED BUT NOT LIMITED TO)  
P. O. BOX 1638                    020 - FENCE INSTALLATION  
BECKLEY, WV 25802-1638        021 - GUARDRAIL INSTALLATION  
PHONE : 304-877-6451            023 - REINFORCING STEEL PLACEMENT  
FAX : 304-877-5789

BUSINESS CONTACT: HAPUARACHY, SUMITH PETER  
EMAIL: SH1912BECK@AOL.COM

-----DBE INFORMATION-----

DBE TYPE : DBE  
DBE CONTACT: N/A

=====

S018  
SHIRLEY CONTRACTING COMPANY, LLC  
PREQ. EXP : 10/31/2012

--PREQ ADDRESS ----- WORK CLASSES (LISTED BUT NOT LIMITED TO)  
8435 BACKLICK RD.                002 - GRADING  
LORTON, VA 22079-1403            003 - MAJOR STRUCTURES  
PHONE : 703-550-8100            007 - MINOR STRUCTURES  
FAX : 703-550-7897              045 - UNDERGROUND UTILITIES

BUSINESS CONTACT: CLYMORE, DANIEL EDWARD  
EMAIL: DCPLYMORE@SHIRLEYCONTRACTING.COM

-----DBE INFORMATION-----

DBE TYPE : N/A  
DBE CONTACT: N/A

=====





One Tower Square  
Hartford, CT 06183

October 4, 2012

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

Re: Request for Proposal - Contract ID Number: C00099256DB53 - A Design-Build Project  
SYCOLIN ROAD OVERPASS OF THE ROUTE 7/15 BYPASS IN LEESBURG - A DESIGN/BUILD  
PROJECT, LOUDOUN COUNTY, VIRGINIA  
FROM: 0.096 MILES NORTH OF HOPE PARKWAY TO: 0.016 MILES NORTH OF GATEWAY DRIVE  
ESTIMATED CONTRACT VALUE: \$16,500,000

Dear Mr. Millikan:

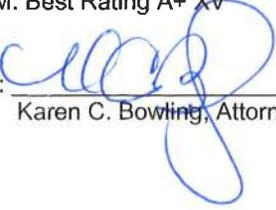
Travelers Casualty and Surety Company of America (A.M. Best Financial Strength Rating A+, Financial Size Category XV) and their co-surety partners, have the privilege of providing surety bonds for Shirley Contracting Company, LLC. The available bonding capacity on individual projects is in excess of \$150,000,000 with an aggregate of \$3,500,000,000.

In our opinion, Shirley is one of the finest, best managed construction firms in the country. Shirley has handled each of its projects in a professional manner and completed all satisfactorily.

As surety for the above named Contractor, Shirley Contracting Company, LLC, is capable of obtaining 100% Performance Bond and 100% Labor and Materials Payment Bond in the amount of the anticipated cost of construction, and said bonds will cover the project and any warranty periods as provided for in the Contract Documents, on behalf of the Contractor, in the event that such firm be the successful bidder and enter into a contract for this Project, subject to acceptable review of the contract documents and bond forms, financing, availability of reinsurance, and Shirley Contracting Company, LLC continuing to satisfy other underwriting considerations at the time the bonds are requested.

Sincerely,

Travelers Casualty and Surety Company of America  
A.M. Best Rating A+ XV

By:   
Karen C. Bowling, Attorney-in-Fact



POWER OF ATTORNEY

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company

Attorney-In Fact No. 219657

Certificate No. 004949970

KNOW ALL MEN BY THESE PRESENTS: That St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company and St. Paul Mercury Insurance Company are corporations duly organized under the laws of the State of Minnesota, that Farmington Casualty Company, Travelers Casualty and Surety Company, and Travelers Casualty and Surety Company of America are corporations duly organized under the laws of the State of Connecticut, that United States Fidelity and Guaranty Company is a corporation duly organized under the laws of the State of Maryland, that Fidelity and Guaranty Insurance Company is a corporation duly organized under the laws of the State of Iowa, and that Fidelity and Guaranty Insurance Underwriters, Inc., is a corporation duly organized under the laws of the State of Wisconsin (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint

Diana L. Parker, and Karen C. Bowling

of the City of Columbia, State of Maryland, their true and lawful Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed and their corporate seals to be hereto affixed, this 5th day of July, 2012.

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company



State of Connecticut
City of Hartford ss.

By: [Signature]
George W. Thompson, Senior Vice President

On this the 5th day of July, 2012, before me personally appeared George W. Thompson, who acknowledged himself to be the Senior Vice President of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

In Witness Whereof, I hereunto set my hand and official seal. My Commission expires the 30th day of June, 2016.



[Signature]
Marie C. Tetreault, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, which resolutions are now in full force and effect, reading as follows:

**RESOLVED**, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

**FURTHER RESOLVED**, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

**FURTHER RESOLVED**, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

**FURTHER RESOLVED**, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, Kevin E. Hughes, the undersigned, Assistant Secretary, of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 14<sup>th</sup> day of October, 2010.

WARNING: THIS POWER OF ATTORNEY IS INVALID WITHOUT THE RED BORDER

Kevin E. Hughes  
Kevin E. Hughes, Assistant Secretary



To verify the authenticity of this Power of Attorney, call 1-800-421-3880 or contact us at [www.travelersbond.com](http://www.travelersbond.com). Please refer to the Attorney-In-Fact number, the above-named individuals and the details of the bond to which the power is attached.





Commonwealth of Virginia  
State Corporation Commission

Virg

09/24/12

LLCM3220

LLC DATA INQUIRY

10:30:00

LLC ID: S082038 - 3 STATUS: 00 ACTIVE

STATUS DATE: 08/01/02

LLC NAME: Shirley Contracting Company, LLC

DATE OF FILING: 08/01/2002 PERIOD OF DURATION: INDUSTRY CODE: 00

STATE OF FILING: VA VIRGINIA MERGER INDICATOR:

CONVERSION/DOMESTICATION INDICATOR: Y

P R I N C I P A L O F F I C E A D D R E S S

STREET: 8435 BACKLICK RD

CITY: LORTON

STATE: VA ZIP: 22079-0000

R E G I S T E R E D A G E N T I N F O R M A T I O N

R/A NAME: CT CORPORATION SYSTEM

STREET: 4701 COX RD STE 301

RTN MAIL:

CITY: GLEN ALLEN

STATE: VA ZIP: 23060-6802

R/A STATUS: 5 ENTITY AUTHORIZ EFF DATE: 03/02/04 LOC: 143 HENRICO COUNTY

YEAR	FEES	PENALTY	INTEREST	BALANCE
12	50.00			

(Screen Id:/LLC\_Data\_Inquiry)



Commonwealth of Virginia  
State Corporation Commission



09/24/12

LLCM3220

LLC DATA INQUIRY

10:30:25

LLC ID: S044733 - 6 STATUS: 00 ACTIVE STATUS DATE: 10/14/09  
LLC NAME: Dewberry Consultants LLC

DATE OF FILING: 01/01/2000 PERIOD OF DURATION: INDUSTRY CODE: 00

STATE OF FILING: VA VIRGINIA MERGER INDICATOR:

CONVERSION/DOMESTICATION INDICATOR:

P R I N C I P A L O F F I C E A D D R E S S

STREET: 8401 ARLINGTON BLVD

CITY: FAIRFAX STATE: VA ZIP: 22031-0000

R E G I S T E R E D A G E N T I N F O R M A T I O N

R/A NAME: CORPORATION SERVICE COMPANY

STREET: Bank of America Center, 16th Floor  
1111 East Main Street

RTN MAIL:

CITY: RICHMOND STATE: VA ZIP: 23219-0000

R/A STATUS: 5 ENTITY AUTHORIZ EFF DATE: 04/29/11 LOC: 216 RICHMOND CITY

YEAR FEES PENALTY INTEREST BALANCE

12 50.00

(Screen Id:/LLC\_Data\_Inquiry)



Commonwealth of Virginia  
**State Corporation Commission**



CISM0180

CORPORATE DATA INQUIRY

09/24/12

10:27:19

CORP ID: 0492551 - 7 STATUS: 00 ACTIVE STATUS DATE: 12/01/08  
CORP NAME: QUINN CONSULTING SERVICES INCORPORATED

DATE OF CERTIFICATE: 10/24/1997 PERIOD OF DURATION: INDUSTRY CODE: 00  
STATE OF INCORPORATION: VA VIRGINIA STOCK INDICATOR: S STOCK  
MERGER IND: S SURVIVOR CONVERSION/DOMESTICATION IND:  
GOOD STANDING IND: Y MONITOR INDICATOR:  
CHARTER FEE: 50.00 MON NO: MON STATUS: MONITOR DTE:  
R/A NAME: JOHN H QUINN JR

STREET: 2208 S KNOLL ST AR RTN MAIL:

CITY: ARLINGTON STATE : VA ZIP: 22202 2134  
R/A STATUS: 4 ATTORNEY EFF. DATE: 10/24/97 LOC : 106  
ACCEPTED AR#: 212 14 5571 DATE: 09/11/12 ARLINGTON COUNT  
CURRENT AR#: 212 14 5571 DATE: 09/11/12 STATUS: A ASSESSMENT INDICATOR: 0  
YEAR FEES PENALTY INTEREST TAXES BALANCE TOTAL SHARES  
12 100.00 5,000

(Screen Id:/Corp\_Data\_Inquiry)



Commonwealth of Virginia  
State Corporation Commission



CISM0180

CORPORATE DATA INQUIRY

09/24/12

10:26:39

CORP ID: 0516767 - 1 STATUS: 00 ACTIVE STATUS DATE: 02/25/99  
CORP NAME: GEOCONCEPTS ENGINEERING, INC.

DATE OF CERTIFICATE: 02/25/1999 PERIOD OF DURATION: INDUSTRY CODE: 00  
STATE OF INCORPORATION: VA VIRGINIA STOCK INDICATOR: S STOCK  
MERGER IND: CONVERSION/DOMESTICATION IND:  
GOOD STANDING IND: Y MONITOR INDICATOR:  
CHARTER FEE: 50.00 MON NO: MON STATUS: MONITOR DTE:  
R/A NAME: VIVIAN LEWIS

STREET: GEOCONCEPTS ENGINEERING INC AR RTN MAIL:  
19955 HIGHLAND VISTA DR #170

CITY: ASHBURN STATE : VA ZIP: 20147

R/A STATUS: 2 OFFICER EFF. DATE: 11/24/04 LOC : 153

ACCEPTED AR#: 212 01 8189 DATE: 01/05/12 LOUDOUN COUNTY

CURRENT AR#: 212 01 8189 DATE: 01/05/12 STATUS: A ASSESSMENT INDICATOR: 0

YEAR	FEES	PENALTY	INTEREST	TAXES	BALANCE	TOTAL SHARES
12	100.00					5,000

(Screen Id:/Corp\_Data\_Inquiry)



Commonwealth of Virginia  
State Corporation Commission

Virg

09/24/12

CISM0180

CORPORATE DATA INQUIRY

10:28:12

CORP ID: F130410 - 6 STATUS: 00 ACTIVE STATUS DATE: 07/01/09  
 CORP NAME: DIVERSIFIED PROPERTY SERVICES OF VIRGINIA, INC. (U  
 SED IN VA BY: DIVERSIFIED PROPERTY SERVICES, INC.)  
 DATE OF CERTIFICATE: 08/05/1997 PERIOD OF DURATION: INDUSTRY CODE: 00  
 STATE OF INCORPORATION: MD MARYLAND STOCK INDICATOR: S STOCK  
 MERGER IND: CONVERSION/DOMESTICATION IND:  
 GOOD STANDING IND: Y MONITOR INDICATOR:  
 CHARTER FEE: 50.00 MON NO: MON STATUS: MONITOR DTE:  
 R/A NAME: BRENDAN R HANTZES

STREET: 3771 VERMACCHIA DR

AR RTN MAIL:

CITY: CHANTILLY STATE : VA ZIP: 20151  
 R/A STATUS: 2 OFFICER EFF. DATE: 08/09/02 LOC : 129  
 ACCEPTED AR#: 212 12 1611 DATE: 07/19/12 FAIRFAX COUNTY  
 CURRENT AR#: 212 12 1611 DATE: 07/19/12 STATUS: A ASSESSMENT INDICATOR: 0  

YEAR	FEES	PENALTY	INTEREST	TAXES	BALANCE	TOTAL SHARES
12	100.00					5,000

(Screen Id:/Corp\_Data\_Inquiry)



Commonwealth of Virginia  
State Corporation Commission



09/24/12

CISM0180

CORPORATE DATA INQUIRY

10:27:41

CORP ID: 0243891 - 9 STATUS: 00 ACTIVE STATUS DATE: 05/22/97  
CORP NAME: OLD DOMINION SETTLEMENTS, INC.

DATE OF CERTIFICATE: 07/08/1983 PERIOD OF DURATION: INDUSTRY CODE: 35  
STATE OF INCORPORATION: VA VIRGINIA STOCK INDICATOR: S STOCK  
MERGER IND: CONVERSION/DOMESTICATION IND:  
GOOD STANDING IND: Y MONITOR INDICATOR:  
CHARTER FEE: MON NO: MON STATUS: MONITOR DTE:  
R/A NAME: RONALD H. LAZARUS

STREET: 7010 LITTLE RIVER TURNPIKE, SUITE 240 AR RTN MAIL:

CITY: ANNANDALE STATE : VA ZIP: 22003  
R/A STATUS: 4 ATTORNEY EFF. DATE: 09/05/95 LOC : 129  
ACCEPTED AR#: 212 10 2802 DATE: 06/07/12 FAIRFAX COUNTY  
CURRENT AR#: 212 10 2802 DATE: 06/07/12 STATUS: A ASSESSMENT INDICATOR: 0  
YEAR FEES PENALTY INTEREST TAXES BALANCE TOTAL SHARES  
12 220.00 25,000

(Screen Id:/Corp\_Data\_Inquiry)



Commonwealth of Virginia  
State Corporation Commission

Virg

09/24/12

CISM0180

CORPORATE DATA INQUIRY

10:28:42

CORP ID: F113636 - 7 STATUS: 00 ACTIVE STATUS DATE: 05/24/10  
CORP NAME: SKELLY AND LOY, INC.

DATE OF CERTIFICATE: 04/05/1993 PERIOD OF DURATION: INDUSTRY CODE: 00  
STATE OF INCORPORATION: PA PENNSYLVANIA STOCK INDICATOR: S STOCK  
MERGER IND: CONVERSION/DOMESTICATION IND:  
GOOD STANDING IND: Y MONITOR INDICATOR:  
CHARTER FEE: 200.00 MON NO: MON STATUS: MONITOR DTE:  
R/A NAME: CORPORATION SERVICE COMPANY

STREET: Bank of America Center, 16th Floor AR RTN MAIL:  
1111 East Main Street

CITY: RICHMOND STATE : VA ZIP: 23219

R/A STATUS: 5 B.E. AUTH IN VI EFF. DATE: 04/29/11 LOC : 216

ACCEPTED AR#: 212 51 4626 DATE: 04/23/12 RICHMOND CITY

CURRENT AR#: 212 51 4626 DATE: 04/23/12 STATUS: A ASSESSMENT INDICATOR: 0

YEAR	FEE	PENALTY	INTEREST	TAXES	BALANCE	TOTAL SHARES
12	670.00					100,000

(Screen Id:/Corp\_Data\_Inquiry)

## Details of license number 2705071652

Name:	SHIRLEY CONTRACTING COMPANY LLC
License Number:	2705071652
License Description:	Contractor (Class A)
<a href="#">Class Definitions</a>	
Business Type:	LLC
Address:	8435 BACKLICK ROAD LORTON, VA 22079
Specialties/Classifications:	
<a href="#">Classification Definitions</a>	<ul style="list-style-type: none"><li>• HIGHWAY / HEAVY</li></ul>
<a href="#">Specialty Definitions</a>	
Initial Certification Date:	October 8, 2002
Expiration Date:	October 31, 2012

## Complaints

## No Open Complaints

"Open Complaints" reflect only those complaints for which a departmental investigation has determined that sufficient evidence exists to establish probable cause of a violation of the law or regulations. Only those cases that have proceeded through an investigation to the adjudication stage are displayed. State law prohibits the disclosure of any information about open complaints [[Code of Virginia Section 54.1-108](#)]. Members of the public may review official records and obtain copies only after a complaint investigation is closed.

## No Closed Complaints

"Closed Complaints" reflect complaints closed since 1990. Cases closed without disciplinary action are purged after three years in accordance with DPOR's record retention policy.

To inquire about closed complaints, see the department's [Public Records Access](#) or contact the department's Information Management Section at (804) 367-8583 or [publicrecords@dpor.virginia.gov](mailto:publicrecords@dpor.virginia.gov).

Recovery Fund Claims include claims against a licensee where a judgment has been obtained for improper or dishonest conduct in a court of law. The Contractors Transaction Recovery Fund and the Real Estate Transaction Recovery Fund provide monetary relief to consumers who incur losses through the improper and dishonest conduct of a licensed contractor or licensed real estate professional. The funds are supported entirely by assessments paid by licensed contractors and licensed real estate professionals, not by any tax revenues.

Details of license number 0407003966

Name: DEWBERRY & DAVIS LLC  
 License Number: 0407003966  
 License Description: Business Entity Registration  
 Business Type: LLC  
 Address: 8401 ARLINGTON BLVD  
 FAIRFAX, VA 22031  
 Initial Certification Date: March 14, 2000  
 Expiration Date: December 31, 2013

Complaints

No Open Complaints

"Open Complaints" reflect only those complaints for which a departmental investigation has determined that sufficient evidence exists to establish probable cause of a violation of the law or regulations. Only those cases that have proceeded through an investigation to the adjudication stage are displayed. State law prohibits the disclosure of any information about open complaints [Code of Virginia Section 54.1-108]. Members of the public may review official records and obtain copies only after a complaint investigation is closed.

No Closed Complaints

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To inquire about closed complaints, see the department's [Public Records Access](#) or contact the department's Information Management Section at (804) 367-8583 or [publicrecords@dpor.virginia.gov](mailto:publicrecords@dpor.virginia.gov).

Associated Professional Licensing Information

	<b>Landscape Architect License</b>
Name:	COUTURE, DENNIS M
License Number:	<a href="#">0406000847</a>
License Description:	Landscape Architect License
Address:	VIENNA VA, 22180
Initial Certification Date:	March 9, 1998
Expiration Date:	March 31, 2014
	<b>Land Surveyor License</b>
Name:	CRONIN, RICHARD JOSEPH, IV
License Number:	<a href="#">0403001792</a>
License Description:	Land Surveyor License
Address:	MANASSAS VA, 20109
Initial Certification Date:	June 17, 1991
Expiration Date:	June 30, 2013
	<b>Architect License</b>
Name:	BEIGHT, JAMES LADEN
License Number:	<a href="#">0401008756</a>
License Description:	Architect License
Address:	HERNDON VA, 20170
Initial Certification Date:	August 11, 1993
Expiration Date:	August 31, 2013
	<b>Professional Engineer License</b>
Name:	STONE, DONALD EDWARD, JR
License Number:	<a href="#">0402026519</a>
License Description:	Professional Engineer License
Address:	FAIRFAX VA, 22031
Initial Certification Date:	November 27, 1995
Expiration Date:	September 30, 2013

\* Dewberry & Davis LLC has applied to the Virginia Department of Professional and Occupational Regulation (DPOR) to change their name to Dewberry Consultants, LLC. The name change is pending approval of the DPOR Board.

## Details of license number 0407004404

Name:	GEOCONCEPTS ENGINEERING INC
License Number:	0407004404
License Description:	Business Entity Registration
Business Type:	CORP
Address:	19955 HIGHLAND VISTA DRIVE SUITE 170 ASHBURN, VA 20147
Initial Certification Date:	March 28, 2003
Expiration Date:	December 31, 2013

## Complaints

## No Open Complaints

"Open Complaints" reflect only those complaints for which a departmental investigation has determined that sufficient evidence exists to establish probable cause of a violation of the law or regulations. Only those cases that have proceeded through an investigation to the adjudication stage are displayed. State law prohibits the disclosure of any information about open complaints [Code of Virginia Section 54.1-108]. Members of the public may review official records and obtain copies only after a complaint investigation is closed.

## No Closed Complaints

"Closed Complaints" reflect complaints closed since 1990. Cases closed without disciplinary action are purged after three years in accordance with DPOR's record retention policy.

To inquire about closed complaints, see the department's Public Records Access or contact the department's Information Management Section at (804) 367-8583 or [publicrecords@dpor.virginia.gov](mailto:publicrecords@dpor.virginia.gov).

## Associated Professional Licensing Information

	<b>Professional Engineer License</b>
Name:	BURKART, PAUL EDWARD
License Number:	0402021556
License Description:	Professional Engineer License
Address:	ASHBURN VA, 20147
Initial Certification Date:	August 30, 1990
Expiration Date:	March 31, 2014
	<b>Professional Engineer License</b>
Name:	LEWIS, TADEUSZ WILLIAM
License Number:	0402021276
License Description:	Professional Engineer License
Address:	ASHBURN VA, 20147
Initial Certification Date:	July 16, 1990
Expiration Date:	April 30, 2014

## Details of license number 4008001190

Name:	DIVERSIFIED PROPERTY SERVICES OF VIRGINIA INC
License Number:	4008001190
License Description:	Appraisal Business Registration
Business Type:	Corporation
Address:	20 E TIMONIUM ROAD SUITE 111 TIMONIUM, MD 21093
Initial Certification Date:	November 29, 2000
Expiration Date:	November 30, 2012

**Complaints****No Open Complaints**

"Open Complaints" reflect only those complaints for which a departmental investigation has determined that sufficient evidence exists to establish probable cause of a violation of the law or regulations. Only those cases that have proceeded through an investigation to the adjudication stage are displayed. State law prohibits the disclosure of any information about open complaints [Code of Virginia Section 54.1-108]. Members of the public may review official records and obtain copies only after a complaint investigation is closed.

**No Closed Complaints**

"Closed Complaints" reflect complaints closed since 1990. Cases closed without disciplinary action are purged after three years in accordance with DPOR's record retention policy.

To inquire about closed complaints, see the department's Public Records Access or contact the department's Information Management Section at (804) 367-8583 or [publicrecords@dpor.virginia.gov](mailto:publicrecords@dpor.virginia.gov).

**Details of license number 0407001402**

Name:	SKELLY & LOY INC
License Number:	0407001402
License Description:	Business Entity Registration
Address:	449 EISENHOWER BLVD SUITE 300 HARRISBURG, PA 17112
Initial Certification Date:	August 31, 1982
Expiration Date:	December 31, 2013

**Complaints****No Open Complaints**

"Open Complaints" reflect only those complaints for which a departmental investigation has determined that sufficient evidence exists to establish probable cause of a violation of the law or regulations. Only those cases that have proceeded through an investigation to the adjudication stage are displayed. State law prohibits the disclosure of any information about open complaints [Code of Virginia Section 54.1-108]. Members of the public may review official records and obtain copies only after a complaint investigation is closed.

**No Closed Complaints**

"Closed Complaints" reflect complaints closed since 1990. Cases closed without disciplinary action are purged after three years in accordance with DPOR's record retention policy.

To inquire about closed complaints, see the department's [Public Records Access](#) or contact the department's Information Management Section at (804) 367-8583 or [publicrecords@dpor.virginia.gov](mailto:publicrecords@dpor.virginia.gov).

**Associated Professional Licensing Information**

	<b>Professional Engineer License</b>
Name:	SCHMIDT, TERRY WILLIAM
License Number:	<a href="#">0402030378</a>
License Description:	Professional Engineer License
Address:	MECHANICSBURG PA, 17050
Initial Certification Date:	June 12, 1996
Expiration Date:	June 30, 2014

**Details of license number 0407003733**

Name:	QUINN CONSULTING SERVICES INC
License Number:	0407003733
License Description:	Business Entity Registration
Address:	4607 MARBLE ROCK COURT CHANTILLY, VA 20151
Initial Certification Date:	March 5, 1998
Expiration Date:	December 31, 2013

**Complaints****No Open Complaints**

"Open Complaints" reflect only those complaints for which a departmental investigation has determined that sufficient evidence exists to establish probable cause of a violation of the law or regulations. Only those cases that have proceeded through an investigation to the adjudication stage are displayed. State law prohibits the disclosure of any information about open complaints [Code of Virginia Section 54.1-108]. Members of the public may review official records and obtain copies only after a complaint investigation is closed.

**No Closed Complaints**

"Closed Complaints" reflect complaints closed since 1990. Cases closed without disciplinary action are purged after three years in accordance with DPOR's record retention policy.

To inquire about closed complaints, see the department's [Public Records Access](#) or contact the department's Information Management Section at (804) 367-8583 or [publicrecords@dpor.virginia.gov](mailto:publicrecords@dpor.virginia.gov).

**Associated Professional Licensing Information**

	<b>Professional Engineer License</b>
Name:	VICINSKI, JOHN KEVIN
License Number:	<a href="#">0402026380</a>
License Description:	Professional Engineer License
Address:	CHANTILLY VA, 20151
Initial Certification Date:	August 10, 1995
Expiration Date:	August 31, 2013
	<b>Professional Engineer License</b>
Name:	VYAS, KAUSHIKKUMAR BHUPENDRAPRASAD
License Number:	<a href="#">0402039004</a>
License Description:	Professional Engineer License
Address:	GORDONSVILLE VA, 22942
Initial Certification Date:	June 14, 2004
Expiration Date:	June 30, 2014

## ATTACHMENT 4.2.5

### State Project No. 6007-053-S96

#### SCC and DPOR Information

Offerors shall complete the table and include the required state registration and licensure information. By completing this table, Offerors certify that their team complies with the requirements set forth in Section 4.2.5 and that all businesses listed are active and in good standing.

<b>SCC &amp; DPOR INFORMATION FOR BUSINESSES (RFP Sections 4.2.5.1 and 4.2.5.2)</b>							
<b>Business Name</b>	<b>SCC Information (4.2.5.1)</b>			<b>DPOR Information (4.2.5.2)</b>			
	<b>SCC Number</b>	<b>SCC Type of Corporation</b>	<b>SCC Status</b>	<b>DPOR Registered Address</b>	<b>DPOR Registration Type</b>	<b>DPOR Registration Number</b>	<b>DPOR Expiration Date</b>
<b>Shirley Contracting Company, LLC</b>	S082038-2	Limited Liability Co.	Active	8435 Backlick Road Lorton, VA. 22079	Business Entity-Class A Contractor	2705071652	October 31, 2012
<b>Dewberry Consultants, LLC*</b>	S044733-6	Limited Liability Co.	Active	8410 Arlington Blvd. Fairfax, VA. 22031	Business Entity	0407003966	December 31, 2012
<b>GeoConcepts Engineering, Inc.</b>	516767-1	Corporation	Active	19955 Highland Vista Drive Ste. 170 Ashburn, VA. 20147	Business Entity	0407004404	December 31, 2012
<b>Quinn Consulting Services, Inc.</b>	0492551-7	Corporation	Active	4607 Marble Rock Ct. Chantilly, VA. 20151	Business Entity	0407003733	December 31, 2012
<b>Diversified Property Services of Virginia, Inc.</b>	F130410-6	Corporation	Active	20 E. Timonium Road Ste. 111 Timonium, MD. 20193	Real Estate Appraiser Business	4008001190	November 30, 2012
<b>Old Dominion Settlements, Inc. (Key Title)</b>	0243891	Corporation	Active	n/a			
<b>Skelly &amp; Loy, Inc.</b>	F113636-7	Corporation	Active	449 Eisenhower Blvd. Ste. 300 Harrisburg, PA. 17112	Business Entity	0407001402	December 31, 2012

\*Formerly known as Dewberry & Davis, LLC



**ATTACHMENT 4.2.6(a)**

**LEAD CONTRACTOR - WORK HISTORY FORM**

**(LIMIT 1 PAGE PER PROJECT)**

a. Project Name & Location	b. Name of the prime design consulting firm responsible for the overall project design.	c. Contact information of the Client or Owner and their Project Manager who can verify Firm's responsibilities.	d. Contract Completion Date (Original)	e. Contract Completion Date (Actual or Estimated)	f. Contract Value (in thousands)		g. Dollar Value of Work Performed by the Firm identified as the Lead Contractor for this procurement.(in thousands)
					Original Contract Value	Final or Estimated Contract Value	
Name: <b>Dulles Greenway Capital Improvements Project</b>  <b>Loudoun Counties, Virginia</b>	Name: <b>Dewberry &amp; Davis, LLC</b>	Name of Client./ Owner: <b>Toll Road Investors Partnership II (TRIP II)</b> <b>45305 Catalina Court, Suite 102</b> <b>Sterling, Virginia 20166</b> <b>Mr. Tom Sines</b> <b>p. 703-707-9096 f. 703-707-8876</b>	<b>December 2007</b>	<b>December 2007</b>	<b>\$ 64,994</b>	<b>\$ 71,084</b>  * Difference due to Owner added scope	<b>\$ 71,084</b>

h. Narrative describing the Work Performed by the Firm identified as the Lead Contractor for this procurement. If the Offeror chooses to submit work completed by an affiliated or subsidiary company of the Lead Contractor, identify the full legal name of the affiliate or subsidiary and the role they will have on this Project, so the relevancy of that work can be considered accordingly.



The Dulles Greenway Capital Improvement Program (Greenway) included eight individual projects combined into a single design-build program. The original scope of this program included new interchanges at Battlefield Parkway and Shreve Mill Road, enhancements to existing interchanges at Route 606 and Route 772, widening of mainline roadway from four (4) to six (6) lanes, expansion of the mainline toll plaza, and widening of the existing twin 660 foot long, 100 foot high bridges over Goose Creek. Shirley and Dewberry provided all design, construction, permitting, utility relocations, and construction administration, all in a format to allow VDOT acceptance at completion. In August 2006, TRIP II awarded Shirley a change order to design and construct improvements to the Route 772/Greenway Interchange. Even with this added scope, the design-build team completed the original contract work and the additional interchange by the original completion date of December 2007.

Impacts to traffic were not only a project safety concern and an inconvenience to the traveling public, but also directly affected the Owner's profitability, which made this Project unique. In addition to enhanced safety features and increased capacity in final design, our Team developed detailed traffic management plans that focused on maintaining lane widths and travel speeds, and reduced the impact to traffic during interim construction phases.

The project included the widening of the Greenway bridges over Goose Creek and included demolition of the median parapet and 21' of widening to the median side of both of the 660 linear foot bridges. The work included construction of four 90' tall piers within Goose Creek using non-erodible cofferdam construction around the pier footing excavation and to create a crane platform to set the new girders. The Shirley/Dewberry Team acquired all environmental permits required for the instream work and the crossing of navigable waters including USACE, DEQ, and VMRC permits. The total contract value of the Goose Creek bridge work was \$6,374,000.

On the Battlefield Parkway Interchange, Shirley partnered with the Town of Leesburg and the local community to avoid impact to soccer fields during the summer of 2005. A segment of the Town's right-of-way between the Greenway and Evergreen Mills Road that was acquired for the project was currently being used for little league soccer games. Shirley re-sequenced the CPM schedule to avoid impacting the area until after the completion of the soccer season allowing the community time to find alternate playing fields for the next season without impacting their 2005 season. This schedule re-sequencing was completed at no cost to the Owner, without impacting the project completion date and is an example our Team's willingness to partner with the Owner and local communities to maintain positive public perception.

Shirley is committed to providing a safe and healthy environment for our employees, subcontractors and to the general public who may enter our jobsite or workzone. We consider the prevention of accidents to be an integral part of our operation, and to these ends, we established a comprehensive, project specific, *Safety and Health Program* for the Greenway to assure the continued safety of everyone on the project. On the Greenway our employees logged more than 300,000 man hours with no lost-time accidents. We continue to develop and enhance our safety program and proactively train our employees and subcontractors to repeat this success on all future projects.

With Shirley as the Lead Contractor and Dewberry as the Lead Designer, the Dulles Greenway Capitol Improvements Program provides yet another example of the Team's proven design-build experience. Shirley and Dewberry completed this \$71 million design-build program, including design, environmental permitting, utility relocations, construction, and VDOT acceptance in less than three years earning our team recognition as a recipient of the *2008 Regional Design-Build Excellence Award* for large transportation projects presented by the Design-Build Institute of America (DBIA). This was accomplished by completing the Plan review and approvals that were required by multiple agencies and jurisdictions, including more than 20 individual Plan submission packages.

**ATTACHMENT 4.2.6(a)**

**LEAD CONTRACTOR - WORK HISTORY FORM**

**(LIMIT 1 PAGE PER PROJECT)**

a. Project Name & Location	b. Name of the prime design consulting firm responsible for the overall project design.	c. Contact information of the Client or Owner and their Project Manager who can verify Firm's responsibilities.	d. Contract Completion Date (Original)	e. Contract Completion Date (Actual or Estimated)	f. Contract Value (in thousands)		g. Dollar Value of Work Performed by the Firm identified as the Lead Contractor for this procurement.(in thousands)
					Original Contract Value	Final or Estimated Contract Value	
<b>Battlefield Parkway Design-Build Project</b>  <b>Leesburg, Virginia</b>	Name: <b>Dewberry &amp; Davis, LLC</b>	<b>VDOT Northern Virginia District Office</b> <b>4975 Alliance Drive Fairfax, VA 22030</b> <b>Ms. Susan Shaw, PE</b> <b>Project Manager</b> <b>703.383-2824</b> <b>Susan.Shaw@vdot.virginia.gov</b>	<b>November 2009</b>	<b>November 2009</b>	<b>\$24,527</b>	<b>\$826,550*</b>  * Difference due to Owner added scope	<b>\$26,550</b>

h. Narrative describing the Work Performed by the Firm identified as the Lead Contractor for this procurement. If the Offeror chooses to submit work completed by an affiliated or subsidiary company of the Lead Contractor, identify the full legal name of the affiliate or subsidiary and the role they will have on this Project, so the relevancy of that work can be considered accordingly.



Shirley Design/Build, LLC, (as the Offeror, Shirley Contracting Company, LLC was the Lead Contractor) was selected by VDOT in May 2007 under the VDOT's design-build procurement process to design and construct 0.7 miles of 4-lane roadway including dual 1,250 ft. bridges spanning the W&OD trail and the Tuscarora Creek floodplain. The design-build team's responsibilities include all design and engineering, permitting, right-of-way acquisition, utility relocations, construction, and quality assurance and quality control. The project required close coordination with the Northern Virginia Regional Park Authority (NVRPA) to reduce the impacts to the W&OD Trail.

On the Battlefield Parkway Project, public involvement and coordination with local businesses, residents and the traveling public was always essential to provide a high level of customer service to the affected community. One end of Battlefield Parkway is located within a sensitive residential community and park, the middle spans the heavily used W&OD Trail park, and the other end ties into a high volume primary roadway. Our Team attended several local HOA meetings and provided other correspondence and notices, including creating and maintaining a project website ([www.battlefieldparkway.com](http://www.battlefieldparkway.com)), to ensure that the community and traveling public was kept abreast of the project schedule and changing project conditions.

One of the major hurdles to getting started with construction on any design-build project is the acquisition of right-of-way. On the Battlefield Parkway Project, 80% of the new roadway was located on six parcels owned by four different property owners. Understanding that we had proposed an aggressive schedule for the project, early acquisition of this right-of-way was critical to meeting our project goals. Immediately after the Date of Commencement we began discussions with each of the affected property owners. Within five months we were able to execute Right-of-Entry agreements with all four property owners allowing Shirley to start construction three months ahead of schedule. We have learned the importance of early communication and coordination with affected property Owners. The Battlefield Parkway Project required close coordination with the Town of Leesburg and adjacent property owners during the design phase to minimize future costs for completing future road improvements proposed within the project limits. At no cost to VDOT, our Team prepared exhibits of the future Route 7 and Battlefield Parkway interchange for review by the Town of Leesburg and VDOT and set the profile elevation on our project at an agreed upon elevation to reduce rework during future interchange construction. We also coordinated with VDOT and the Town to include a "T" intersection and stub-out to the future alignment of Russell Branch Parkway, providing exhibits and cost estimates for the additional turn lanes and pavement area. We delayed construction in this area until funding for these improvements could be approved through the Town of Leesburg and the scope added to our contract. We then resequenced the schedule so these additional improvements could be completed without delay to the original completion date.

The Battlefield Parkway Project includes elements that are similar to the Sycolin Road Overpass Project including utility relocations (Dominion Power, Verizon, Fairfax Water waterlines, cable TV, and others), and a new bridge structure.

The Battlefield Parkway Project included construction of two 1250' long bridges spanning the W&OD Trail Park and Tuscarora Creek. The bridge lengths were established to span the entire Tuscarora Creek floodplain which is over 950' wide at the crossing location resulting in twelve piers located within the floodplain limits. The Shirley/Dewberry Team completed all H&HA analysis and floodplain studies and acquired all environmental permits for the project. The total cost of the Battlefield Parkway Bridges was \$14,900,000.

The Battlefield Parkway Project enabled our Team to gain significant experience in coordinating and obtaining environmental permits through VDOT's Interagency Coordination Meeting (IACM) process. On Battlefield our Team completed wetland surveys and stream assessments and obtained the Jurisdictional Determination from the Corp of Engineers prior to the Date of Commencement. Immediately after the Date of Commencement we worked with VDOT's Project Manager and the NOVA District Environmental Section to secure the necessary mitigation and submit the Joint Permit Application (JPA). Finally, after presenting the project to the permitting agencies at the IACM meeting we obtained the environmental permit within only four months from the start of the project. Working jointly with VDOT through the IACM process we were able to obtain the Environmental Permits for the Battlefield Parkway Project months ahead of the planned construction start dates ensuring that there would be no construction delays due to Environmental Permitting.

Shirley Design/Build, LLC was the Offeror for the Battlefield Boulevard Project. All work was performed by Shirley Contracting Company, LLC (Shirley) as the Lead Contractor. For the Sycolin Road Overpass Project Shirley will be the Offeror. Shirley Design/Build, LLC will not be involved in the project. As the work on the Battlefield Boulevard Project was completed by Shirley, it should be considered relevant experience for Shirley.

**ATTACHMENT 4.2.6(a)**

**LEAD CONTRACTOR - WORK HISTORY FORM**

**(LIMIT 1 PAGE PER PROJECT)**

a. Project Name & Location	b. Name of the prime design consulting firm responsible for the overall project design.	c. Contact information of the Client or Owner and their Project Manager who can verify Firm's responsibilities.	d. Contract Completion Date (Original)	e. Contract Completion Date (Actual or Estimated)	f. Contract Value (in thousands)		g. Dollar Value of Work Performed by the Firm identified as the Lead Contractor for this procurement.(in thousands)
					Original Contract Value	Final or Estimated Contract Value	
Name: <b>Springfield Interchange Improvements Phase IV</b>  <b>Fairfax, Virginia</b>	Name: <b>HNTB Corp.</b>	Name of Client./ Owner: Virginia Mega Projects Office 6433 Walker Lane Alexandria, VA. H.S. Charlie Warriach 571-483-2583	<b>August 2003</b>	<b>July 2004 *</b>  * Difference due to Owner added scope	<b>\$117,397</b>	<b>\$140,442*</b>  * Difference due to Owner added scope	<b>\$140,442</b>

h. Narrative describing the Work Performed by the Firm identified as the Lead Contractor for this procurement. If the Offeror chooses to submit work completed by an affiliated or subsidiary company of the Lead Contractor, identify the full legal name of the affiliate or subsidiary and the role they will have on this Project, so the relevancy of that work can be considered accordingly.



Phase IV of VDOT's Springfield Interchange Improvements Project, known as the "Mixing Bowl", was awarded in November 2000 to Shirley Contracting Company, LLC. The project focused on the Eastern end of the Interchange – mainly the improvements from the I-95 Ramps to the I-495 Capital Beltway towards the Woodrow Wilson Bridge. Additionally, the project completed improvements to the HOV Lanes of I-95. The project called for the construction of **four new bridges totaling over \$49,800,000.00**. The Lead Designer on this project was HNTB.

Bridge B610 was the largest of the bridges constructed on the project. It is the 4,200-foot long flyover ramp from the Capital Beltway Inner Loop to I-95 Southbound. The flyover is the longest inland bridge constructed in Virginia, rising to over 100 feet at its highest point. Built at a cost of \$27,210,350 the bridge consisted of twenty-one piers and two abutments. Foundation elements included 60" and 72" diameter caissons at pier locations and Integral MSE Abutments on steel piling. Substructure concrete consisted of caisson/pile caps with single stem columns and 'hammerhead' style pier caps. Just over 10,000 cubic yards of concrete was poured in the bridge substructure. Steel girders weighing over 12 million pounds spanned the piers and abutments. The most complex operations involved the erection of structure steel over both Outer Loop of the Capital Beltway and the Northbound Lanes of I-95 in the heart of the Mixing Bowl. Steel was set over a series of weekends when detours of I-95 were set-up to allow 36-hour continuous work windows for the 300 ton and 400 ton cranes to safely erect the girders. Deck concrete of over 8,000 cubic yards was poured over a several month stretch. The bridge received a 'ride-ability bonus' for the quality of the concrete work involved. The bridge also has over 4,000 square feet of lightweight sound absorptive walls attached to the parapet structures.

Bridge B635 was constructed along a heavily traveled section of both Loops of the Capital Beltway requiring daily maintenance of traffic. Phasing for the bridge was a complex three-stage plan including the demolition of the existing bridge structures. Built at a cost of \$11,709,415, Bridge B635 is a four span steel structure built over the heavily traveled railroads of both CSX Transportation and the Washington Metropolitan Area Transit Authority's Yellow Line Train. The most challenging element of the bridge construction was the work restrictions imposed by the Railroad Agencies.

Work windows adjacent to the rail lines were only four (4) hours per work day from 12 midnight to 4:00 am. An inordinate amount of planning and coordination were required to make crews the most efficient they could be in this limited timeframe. Bridge foundations were mainly steel piling; however piers adjacent to the rail were required to be founded on drilled shaft caissons. Just over 4 million pounds of structural steel were used in this 550 foot long bridge that carries twelve lanes of traffic on both Loops of the Beltway. 5,000 cubic yards of substructure concrete and 3,000 cubic yards of superstructure concrete were poured in 36 months of construction. Demolition of the existing east and westbound spans of I-95 over the railroads was just as challenging as the new construction elements. Crews used custom demolition shields and specialty equipment to carefully remove the elements from the existing structures. Work was accomplished with zero safety incidents and acclaim from both railroads for the work efforts.

Bridge B613 was a new structure built between the Inner and Outer Loops of the existing Capital Beltway. It eventually replaced the existing eastbound lanes of I-495. At a cost of \$10,082,000, the bridge is an eight (8) span steel structure totaling over 1,300 feet long. Foundations were drilled shaft caissons at pier locations and steel piling at both abutments. A unique element of one abutment includes an integral MSE abutment and wing walls rising over 70' in height above an existing waterway. Structural Steel erection in excess of 4.4 million pounds spanned both the northbound and southbound lanes of I-395 as well as the HOV lanes in Springfield. Over 6,000 cubic yards of concrete were poured in both the substructure and superstructure elements. This bridge also received a 'ride-ability bonus' for the quality of the concrete deck work.

Bridge B628 is a 105 foot long 4-lane bridge carrying the Beltway's Outer Loop traffic at the Mixing Bowl. Built for a cost of just over \$700,000, the bridge consists of eight (8) AASHTO Precast Concrete Girders bearing on MSE Integral Abutments with steel piling foundations. The bridge spans the existing ramp from I-495 eastbound to I-395 north. Maintenance of traffic and safety of the traveling public were paramount concerns during the construction with no safety accidents or incidents.

Other major elements of the Springfield Interchange Phase IV Project included 500,000 cubic yards of earthwork, 250,000 tons of asphalt concrete, 20,000 linear feet of stormwater and pressure waterlines, 15,000 linear feet of deep sanitary sewer pipe including 2,500 linear feet of micro-tunneling. Shirley designed and constructed 185,000 square feet of absorptive sound barrier walls and erected 150,000 square feet of permanent MSE retaining walls. The project schedule maintained pace and achieved an early completion bonus offered by VDOT for completing the project 4 months in advance of the specified project completion date.

**ATTACHMENT 4.2.6(b)**

**LEAD DESIGNER - WORK HISTORY FORM**

a. Project Name & Location	b. Name of the prime/general contractor responsible for the overall construction of the project.	c. Contact information of the Client and their Project Manager who can verify Firm's responsibilities.	d. Construction Contract Completion Date (Original)	e. Construction Contract Completion Date (Actual or Estimated)	f. Contract Value (in thousands)		g. Design Fee for the Work Performed by the Firm identified as the Lead Designer for this procurement.(in thousands)
					Construction Contract Value (Original)	Construction Contract Value (Actual or Estimated)	
Name: <b>Battlefield Parkway Design-Build</b>  Location: <b>Loudoun County, Virginia</b>	Name: <b>Shirley Contracting Company, LLC</b>	Name of Client: <b>VDOT</b> <b>4975 Alliance Drive</b> <b>Fairfax, VA 22030</b> Project Manager: <b>Susan Shaw, PE</b> Phone: <b>703-259-1995</b> Email: <b>susan.shaw@VDOT.Virginia.gov</b>	<b>November 2009</b>	<b>November 2009</b>	<b>\$ 24,527</b>	<b>\$ 25,670*</b>  * Difference due to Owner added scope	<b>\$ 2,542</b>
h. Narrative describing the Work Performed by the Firm identified as the Lead Designer for this procurement. Include the office location(s) where the design work was performed and whether the firm was the prime designer or a subconsultant.							
<p>Dewberry, serving as the Lead Designer and Shirley Contracting Company, LLC as the Lead Contractor, were selected by VDOT to design and construct 0.7 miles of Battlefield Parkway, a four-lane roadway, including dual 1,250 foot long bridges spanning the W&amp;OD Trail and the Tuscarora Creek and associated floodplain. Dewberry provided all roadway design, bridge and structural design, geotechnical investigations and recommendations, stormwater management design, floodplain studies and scour analysis, environmental investigations and permitting, maintenance-of-traffic design, utility relocation design, and landscaping and lighting design. This project required coordination with the Northern Virginia Regional Park Authority (NVRPA) and DHR to reduce impacts and provide mitigation related to this new bridge over the W&amp;OD Trail. Coordination was also required with VDOT and the Town of Leesburg during the design process since the Town was ultimately responsible for maintenance of the roadway following construction and acceptance of the project.</p> <p>The most significant element of this project was the design and construction of the eight-span, 1,250' long twin bridges carrying Battlefield Parkway over the W&amp;OD Trail, Tuscarora Creek, and the associated floodplain. <b>The construction cost of this bridge exceeded \$14 million and also included in-stream construction of 6 of the pier locations.</b> Temporary stream crossings and a stream diversion were designed to maintain flows in the Tuscarora Creek and the adjacent streams and ditches draining into the floodplain, and pier locations were designed to economize the structural design and avoid a rise in the floodplain elevation.</p> <p>Through coordination with VDOT, the Town of Leesburg and adjacent landowners, the Shirley/Dewberry Team also successfully added ultimate intersection improvements at Russell Branch Parkway to the project. This addition will result in the Town not needing to reconstruct the roadway when Russell Branch is extended. Based on this early and constant coordination, a better overall product was delivered to the Department, adjacent landowners and the traveling public.</p>							

**ATTACHMENT 4.2.6(b)**

**LEAD DESIGNER - WORK HISTORY FORM**

a. Project Name & Location	b. Name of the prime/general contractor responsible for the overall construction of the project.	c. Contact information of the Client and their Project Manager who can verify Firm's responsibilities.	d. Construction Contract Completion Date (Original)	e. Construction Contract Completion Date (Actual or Estimated)	f. Contract Value (in thousands)		g. Design Fee for the Work Performed by the Firm identified as the Lead Designer for this procurement.(in thousands)
					Construction Contract Value (Original)	Construction Contract Value (Actual or Estimated)	
Name: <b>Route 28 Corridor Improvements Project</b>  Location: <b>Fairfax and Loudoun Counties, Virginia</b>	Name: <b>Shirley Contracting Company, LLC</b>	Name of Client: <b>VDOT</b> <b>4975 Alliance Drive</b> <b>Fairfax, VA 22030</b> Project Manager: <b>Susan Shaw, PE</b> Phone: <b>703-259-1995</b> Email: <b>susan.shaw@VDOT.Virginia.gov</b>	<b>May 2007</b>	<b>April 2013</b>	<b>\$168,963</b>	<b>\$350,800*</b>  *Difference due to Owner added scope, identified as options in original contract four additional interchanges.	<b>\$25,740</b>

h. Narrative describing the Work Performed by the Firm identified as the Lead Designer for this procurement. Include the office location(s) where the design work was performed and whether the firm was the prime designer or a subconsultant.

Dewberry, in the role of the Lead Designer as part of the **Design-Build Team led by Shirley Contracting Company LLC**, was selected by VDOT on the first Public-Private Transportation Act (PPTA) Project to be implemented in the Northern Virginia area. **This \$350M design-build project includes design and construction of ten grade-separated interchanges to replace at-grade signal-controlled intersections** along heavily-traveled Route 28 between I-66 and Route 7. Dewberry is responsible for all preliminary and final roadway and interchange design, bridge design, stormwater management, mapping, surveys, geotechnical investigations, environmental investigations, permitting, lighting design, utility relocation designs, floodplain studies, maintenance-of-traffic design and construction inspections. **This project included fourteen bridges with an overall construction value of over \$50M, and included a 1,400 l.f. curved girder bridge at the Route 28/625 interchange.** The original six interchanges were completed and opened to traffic on schedule before May 2007. The success and timely completion of the first six interchanges was a key element in the decision by the Tax District landowners, Loudoun County, Fairfax County and VDOT to extend the contract by issuing a change order for the remaining four (4) interchanges, which were completed and opened to traffic by November 2009.

In addition to the ten interchanges being constructed, the Team was also responsible for design and construction of numerous secondary road improvements including the widening of Centreville Road from two-lanes to four-lanes, a new four-lane section of Loudoun County Parkway from Smith Switch Road to Route 7, a new four-lane section of Atlantic Boulevard (including a new bridge over the W&OD Trail), and two additional sections of Pacific Boulevard, from Sterling Boulevard to Cedar Green Road and Severn Way to Nokes Boulevard. The Team is responsible for all design, permitting, right-of-way acquisition (residential and commercial properties), utility relocations, construction, quality assurance and quality control for all project work. Included with the design of the Loudoun County Parkway widening project were two bridge crossings of streams, including a twin single span bridge over Beaverdam Run and a single cell Conspan structure over Russell Branch. In-stream construction was required for both bridges, and temporary stream crossings were designed to facilitate construction of both structures while maintaining required flows in both channels.

The Design-Build Team worked diligently to accelerate portions of projects so that right-of-way acquisitions and utility relocations did not need to be completed prior to the start of construction. Constant communication between construction and design staff, facilitated by weekly meetings, helped to identify critical packages which needed to be finished early. In several cases, this resulted in advance steel packages for bridges, advance detour and MOT packages, or stand alone utility packages.

**ATTACHMENT 4.2.6(b)**

**LEAD DESIGNER - WORK HISTORY FORM**

a. Project Name & Location	b. Name of the prime/general contractor responsible for the overall construction of the project.	c. Contact information of the Client and their Project Manager who can verify Firm's responsibilities.	d. Construction Contract Completion Date (Original)	e. Construction Contract Completion Date (Actual or Estimated)	f. Contract Value (in thousands)		g. Design Fee for the Work Performed by the Firm identified as the Lead Designer for this procurement.(in thousands)
					Construction Contract Value (Original)	Construction Contract Value (Actual or Estimated)	
Name: <b>Pacific Boulevard</b>  Location: <b>Loudoun County, Virginia</b>	Name: <b>Shirley Contracting Company, LLC</b>	Name of Client: <b>VDOT</b> <b>4975 Alliance Drive</b> <b>Fairfax, VA 22030</b> <b>Project Manager: Christiana Briganti-Dunn, PE</b> <b>Phone: 703-259-2960</b> <b>Christiana.briganti@VDOT.Virginia.gov</b>	<b>October 2010</b>	<b>October 2010</b>	<b>\$ 18,978</b>	<b>\$19,190*</b>  <b>* Difference due to Owner added scope</b>	<b>\$1,493</b>

h. Narrative describing the Work Performed by the Firm identified as the Lead Designer for this procurement. Include the office location(s) where the design work was performed and whether the firm was the prime designer or a subconsultant.

Dewberry, in the role of the Lead Designer as part of the **Design-Build Team led by Shirley Contracting Company LLC**, completed the design for the extension of Pacific Boulevard from Auto World Circle to Severn Way, a distance of approximately 0.6 miles. Improvements included construction of a four-lane divided roadway and twin single-span bridges over the Washington & Old Dominion (W&OD) Trail (**Valued at over \$5.1 million**) and property and a two-span structure over Cabin Branch. As the Lead Designer, Dewberry was responsible for all field surveys, wetland delineations, environmental permit applications, roadway design, structural design, drainage and stormwater management design, signing and pavement marking plans, utility relocation plans, and temporary traffic control plans. Roadway improvements incorporated pedestrian and bicycle accommodations along the roadway with connections provided to the W&OD Trail.

As part of the design of the roadway improvements, close coordination was maintained with the property owner who was impacted by construction between the W&OD Trail and Severn Way. Based on the close coordination with this owner, the design-build Team was able to implement changes to the design plans without affecting the schedule of the project, incorporating intersection improvements which were an improvement to the property and accommodated future development, and more importantly allowed for all right-of-way required from the property owner to be dedicated at no cost to VDOT.

As part of this project, **construction of the Pacific Boulevard bridge over Cabin Branch required in-stream construction of the proposed bridge pier and abutments**, and design of a temporary stream crossing to accommodate construction while maintaining adequate flows in Cabin Branch. The location of the bridge pier was designed to require no impacts to the stream channel itself, and design of the abutments and pier accounted for design year flows and scour conditions. Drainage improvements, including two (2) stormwater management basins, were incorporated just outside of the floodplain limits and adjacent to the bridge in an effort to maintain adequate outfalls while not introducing a rise to the 100-year floodplain elevations.

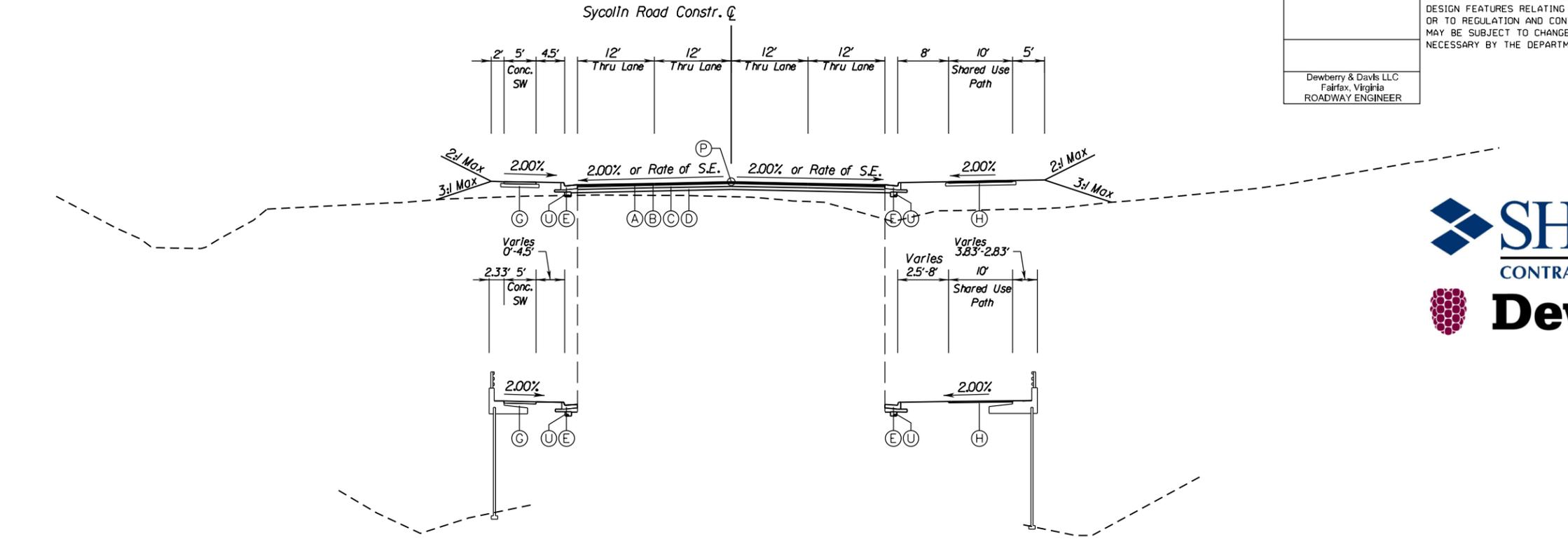


PROJECT MANAGER \_\_\_\_\_  
 SURVEYED BY \_\_\_\_\_  
 DESIGN SUPERVISED BY \_\_\_\_\_  
 DESIGNED BY *Dewberry & Davis, LLC* - (703) 289-4796

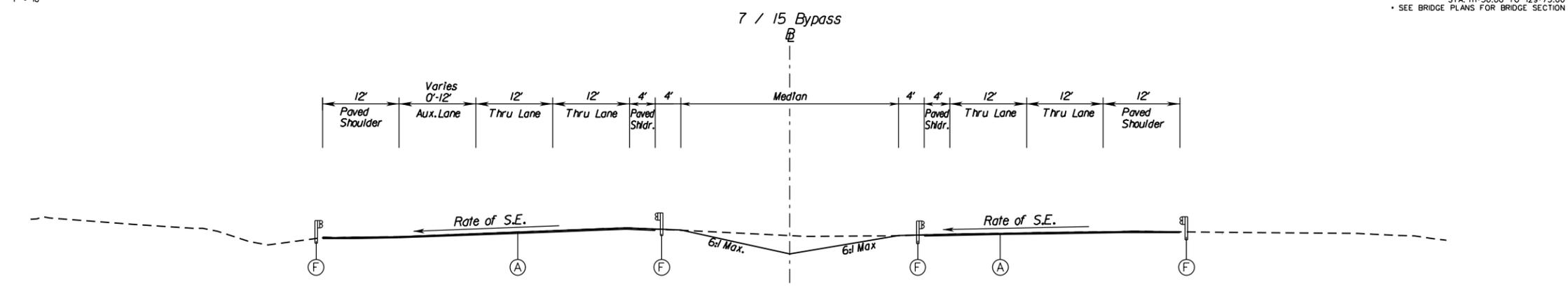
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA	7	6007-053-S96 RW-201,C-501	2A(1)

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

*Dewberry & Davis, LLC*  
 Fairfax, Virginia  
 ROADWAY ENGINEER



SYCOLIN ROAD  
 STA. 111+50.00 TO 129+75.00  
 SEE BRIDGE PLANS FOR BRIDGE SECTION



ROUTE 7/15 BYPASS  
 EB STA. 170+89.30 TO 188+79.60  
 WB STA. 182+50.00 TO 189+19.32

- LEGEND**
- (A) Surface Course, Asphalt Concrete, Type SM-9.5D at 165 lbs./sy
  - (B) Intermediate Course, Asphalt Concrete, Type IM-19.0D at 220 lbs./sy
  - (C) Base Course, Asphalt Concrete, 6", Type BM-25.0A
  - (D) Subbase Course, 6" Aggregate Base Material, Type 1, Size 21B
  - (E) Curb and Gutter, S'd. CG-6
  - (F) Guardrail, S'd. GR-9
  - (G) 4" Class A3 Hydraulic Cement Concrete placed above 4" Plain Aggregate Material, Type 1, Size 21B extended 6" beyond either edge of Concrete Sidewalk
  - (H) 2" Asphalt Concrete, Type SM-9.5D at 220 lbs./sy placed above 6" Plain Aggregate Material, Type 1, Size 21B extended 6" beyond either edge of Asphalt Shared Use Path
  - (P) Profile Grade Line
  - (U) Underdrain, S'd. UD-4

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6007-053-S96		2A(1)

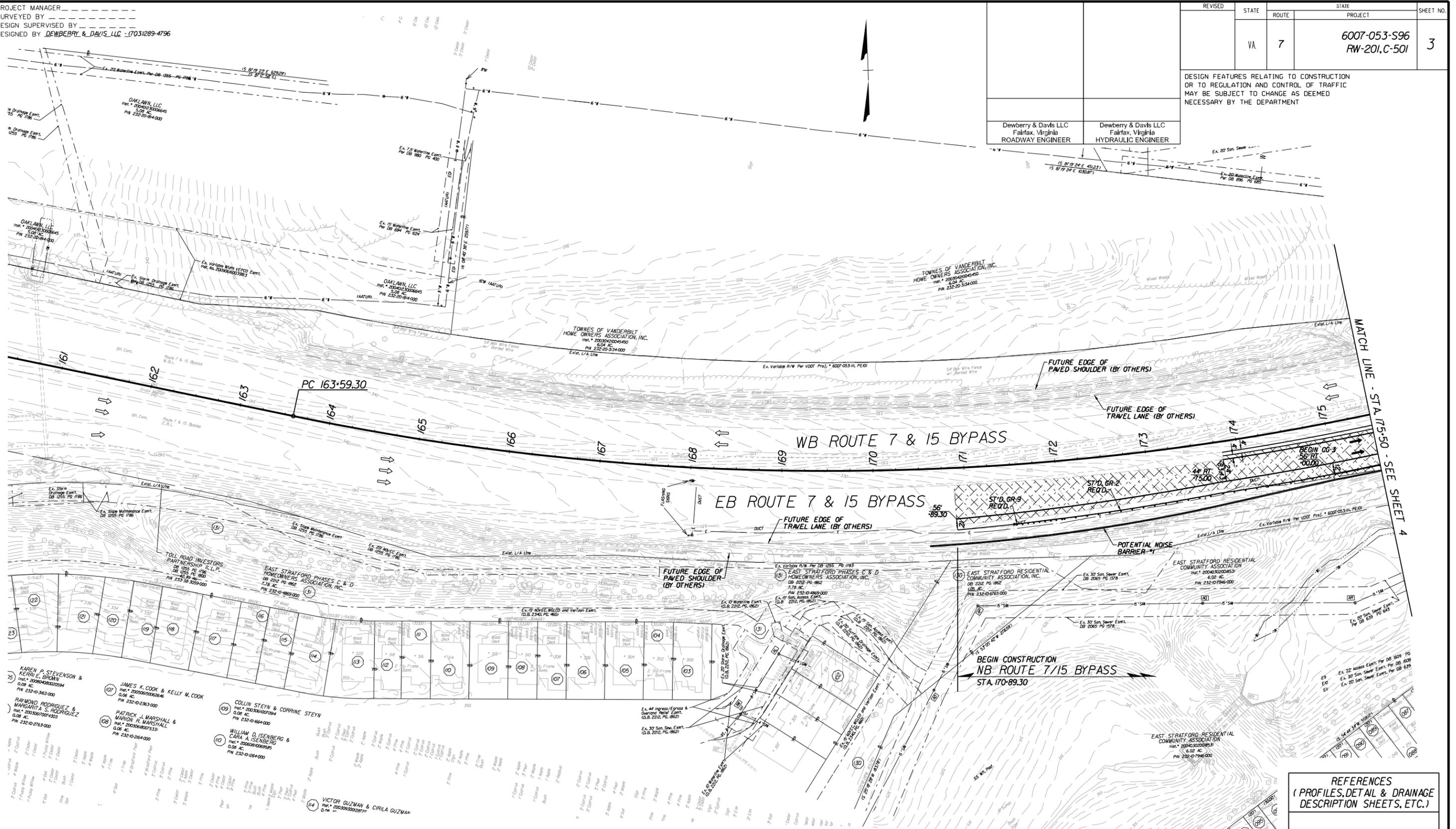
PROJECT MANAGER \_\_\_\_\_  
 SURVEYED BY \_\_\_\_\_  
 DESIGN SUPERVISED BY \_\_\_\_\_  
 DESIGNED BY DEWBERRY & DAVIS LLC - (703)289-4796

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA	7	6007-053-S96 RW-201,C-501	3

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

Dewberry & Davis LLC  
Fairfax, Virginia  
ROADWAY ENGINEER

Dewberry & Davis LLC  
Fairfax, Virginia  
HYDRAULIC ENGINEER



MATCH LINE - STA. 175+50 - SEE SHEET 4

- 75 KAREN P. STEVENSON & KERRI E. BRANNI  
Ins. # 2008040822294  
0.06 AC.  
PIN 232-0-363-000
- 76 JAMES K. COOK & KELLY M. COOK  
Ins. # 2003060062646  
0.06 AC.  
PIN 232-0-283-000
- 77 RAYMOND RODRIGUEZ & MARGARITA S. RODRIGUEZ  
0.06 AC.  
PIN 232-0-2763-000
- 78 PATRICK J. MARSHALL & MARION R. MARSHALL  
0.06 AC.  
PIN 232-0-264-000
- 79 COLLIN STEYN & CORRIE STEYN  
Ins. # 200306007094  
0.06 AC.  
PIN 232-0-864-000
- 80 WILLIAM D. ISENBERG & CARA A. ISENBERG  
0.06 AC.  
PIN 232-0-264-000
- 81 VICTOR GUZMAN & CIRILA GUZMAN  
0.06 AC.  
PIN 200308002877

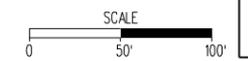
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY



NOTES:  
 1. All work is to be within the Existing and/or Proposed Right-of-Way Limits Identified in the VDOT RFP Plans

- Denotes Full Depth Pavement
- Denotes Demolition of Pavement
- Denotes Overlay Pavement
- Denotes Milling and Overlay
- Denotes PE-I, Type I

- Denotes Construction Limits In Cuts
- Denotes Construction Limits In Fills

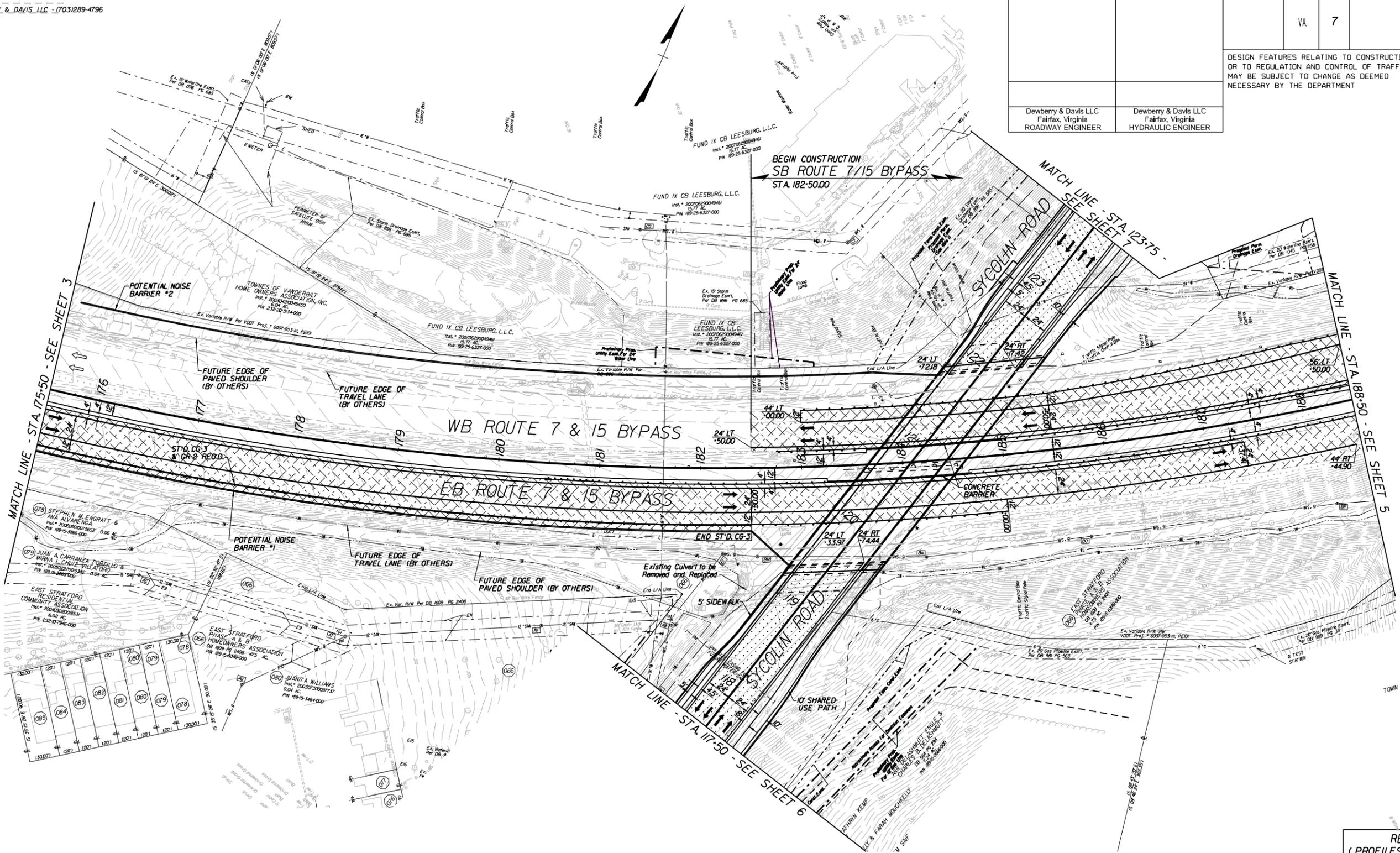


REFERENCES  
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6007-053-S96		3

PROJECT MANAGER \_\_\_\_\_  
 SURVEYED BY \_\_\_\_\_  
 DESIGN SUPERVISED BY \_\_\_\_\_  
 DESIGNED BY DEWBERRY & DAVIS, LLC - (703)289-4796

REVISED	STATE		PROJECT		SHEET NO.
	ROUTE	PROJECT	PROJECT	PROJECT	
	VA	7	6007-053-S96 RW-201,C-501		4
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT					
Dewberry & Davis LLC Fairfax, Virginia ROADWAY ENGINEER			Dewberry & Davis LLC Fairfax, Virginia HYDRAULIC ENGINEER		



MATCH LINE - STA 175+50 - SEE SHEET 3

MATCH LINE - STA 123+75 - SEE SHEET 7

MATCH LINE - STA 188+50 - SEE SHEET 5

MATCH LINE - STA 117+50 - SEE SHEET 6

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



NOTES:  
 1. All work is to be within the Existing and/or Proposed Right-of-Way Limits Identified in the VDOT RFP Plans

- Denotes Full Depth Pavement
- Denotes Demolition of Pavement
- Denotes Overlay Pavement
- Denotes Milling and Overlay
- Denotes PE-1, Type I

Denotes Construction Limits In Cuts  
 Denotes Construction Limits In Fills

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

SCALE 0 50' 100'			
PLAN NO. A	PROJECT 6007-053-S96	FILE NO.	SHEET NO. 4

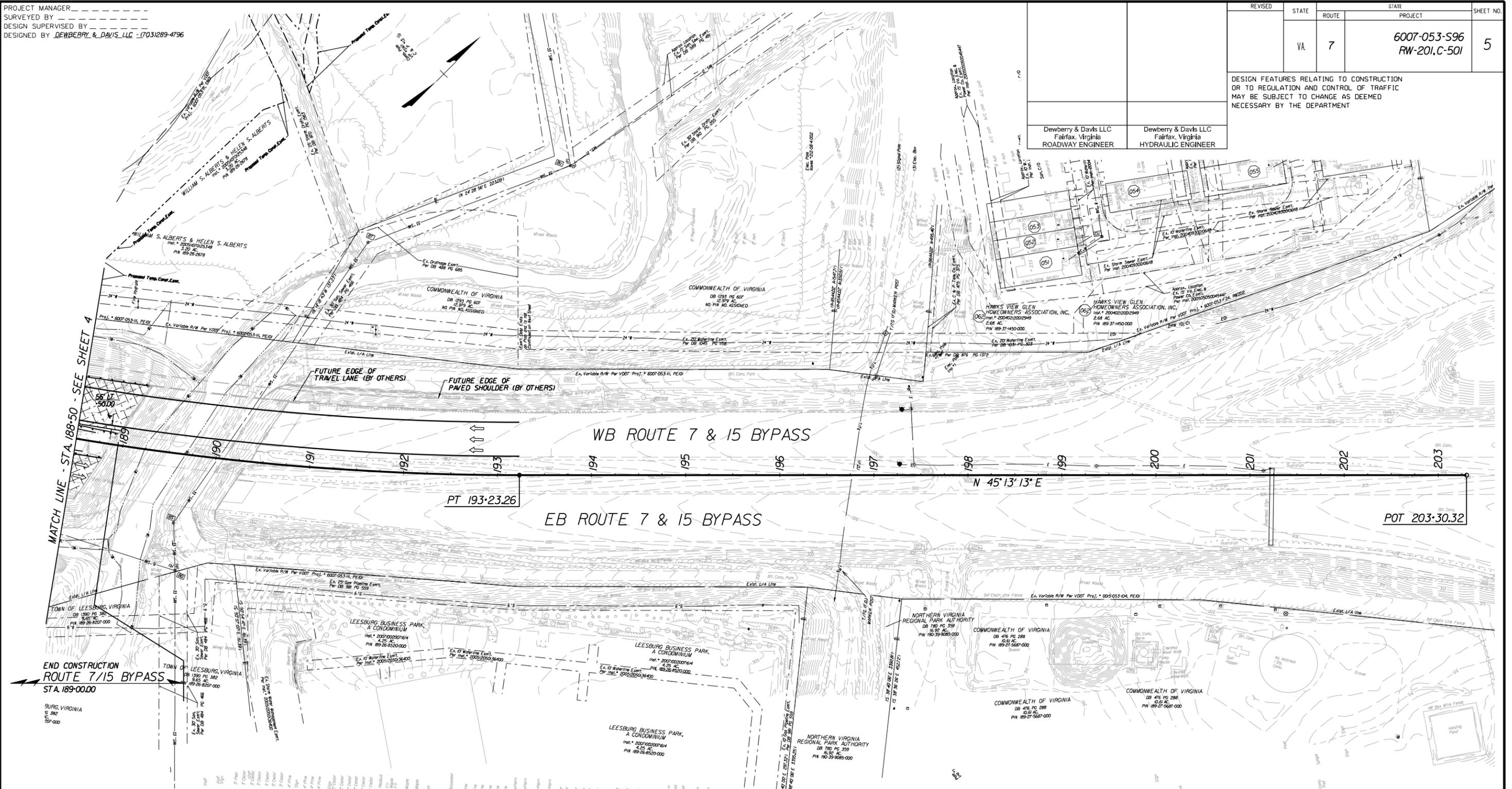
PROJECT MANAGER \_\_\_\_\_  
 SURVEYED BY \_\_\_\_\_  
 DESIGN SUPERVISED BY \_\_\_\_\_  
 DESIGNED BY DEWBERRY & DAVIS LLC - (703)289-4796

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA	7	6007-053-S96 RW-201,C-501	5

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

Dewberry & Davis LLC  
 Fairfax, Virginia  
 ROADWAY ENGINEER

Dewberry & Davis LLC  
 Fairfax, Virginia  
 HYDRAULIC ENGINEER



MATCH LINE - STA. 188+50 - SEE SHEET 4

END CONSTRUCTION  
 ROUTE 7/15 BYPASS  
 STA. 189+00.00

- 1" Pipe
- 2" Pipe
- 3" Color
- 4" Color
- 6" Color
- 8" Color
- 10" Color
- 12" Color
- 15" Color
- 18" Color
- 24" Color
- 30" Color
- 36" Color
- 42" Color
- 48" Color
- 54" Color
- 60" Color
- 66" Color
- 72" Color
- 78" Color
- 84" Color
- 90" Color
- 96" Color
- 102" Color
- 108" Color
- 114" Color
- 120" Color
- 126" Color
- 132" Color
- 138" Color
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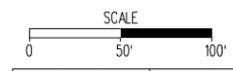
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY



NOTES:  
 1. All work is to be within the Existing and/or Proposed Right-of-Way Limits Identified in the VDOT RFP Plans

- Denotes Full Depth Pavement
- Denotes Demolition of Pavement
- Denotes Overlay Pavement
- Denotes Milling and Overlay
- Denotes PE-I, Type I

- Denotes Construction Limits In Cuts
- Denotes Construction Limits In Fills



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

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6007-053-S96		5

PROJECT MANAGER \_\_\_\_\_  
 SURVEYED BY \_\_\_\_\_  
 DESIGN SUPERVISED BY \_\_\_\_\_  
 DESIGNED BY **DEWBERRY & DAVIS, LLC** - (703)289-4796

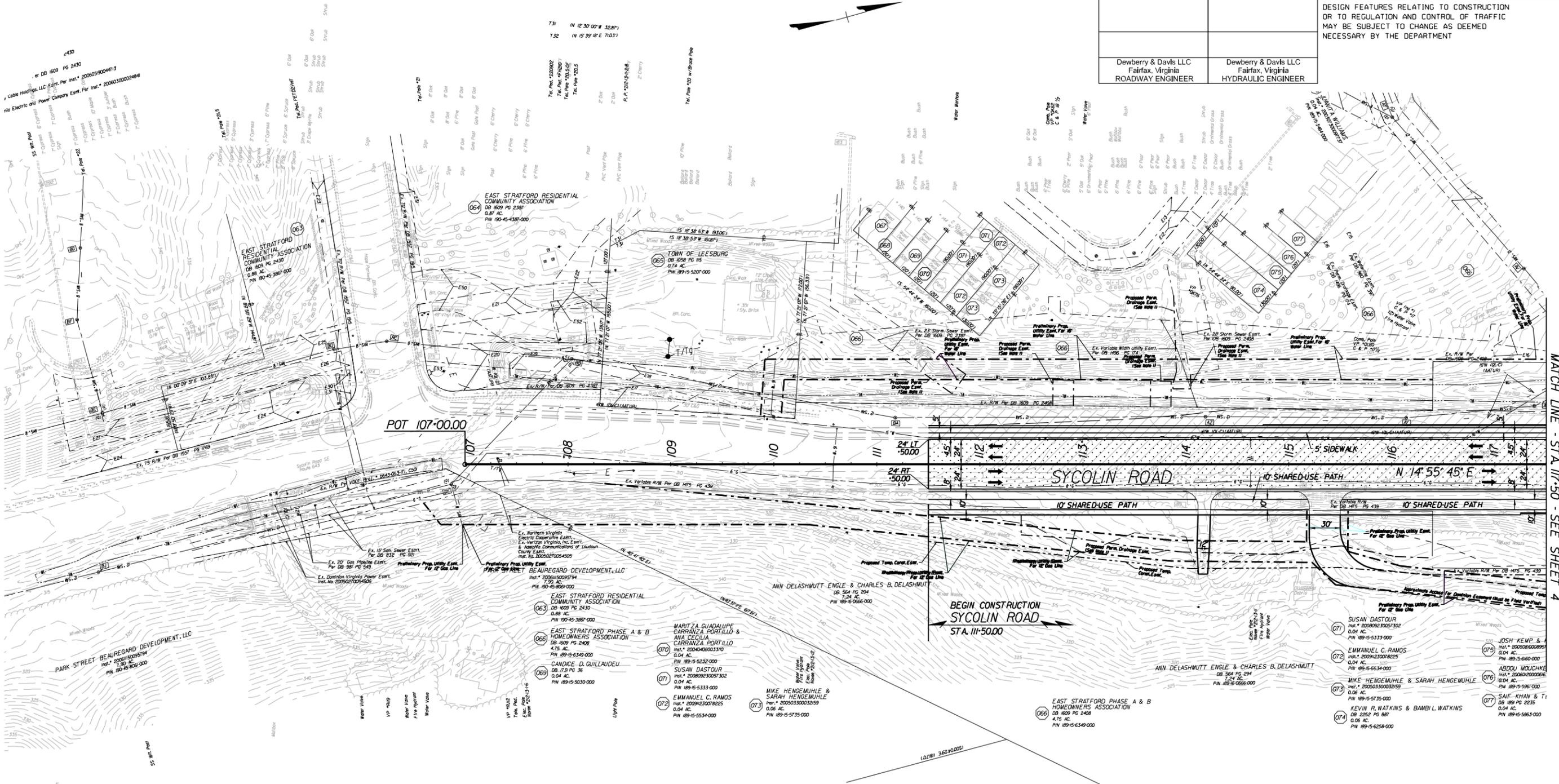
400 Ex. Street Light Exam. Per DB 1557 PG 1823

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA	7	6007-053-S96 RW-201,C-501	6

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

Dewberry & Davis LLC  
Fairfax, Virginia  
ROADWAY ENGINEER

Dewberry & Davis LLC  
Fairfax, Virginia  
HYDRAULIC ENGINEER



MATCH LINE - STA. 117+50 - SEE SHEET 4

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

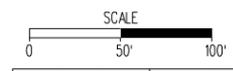


NOTES:  
 1. All work is to be within the Existing and/or Proposed Right-of-Way Limits Identified in the VDOT RFP Plans

- Denotes Full Depth Pavement
- Denotes Demolition of Pavement
- Denotes Overlay Pavement
- Denotes Milling and Overlay
- Denotes PE-I, Type I

- Denotes Construction Limits In Cuts
- Denotes Construction Limits In Fills

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



PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6007-053-S96		6

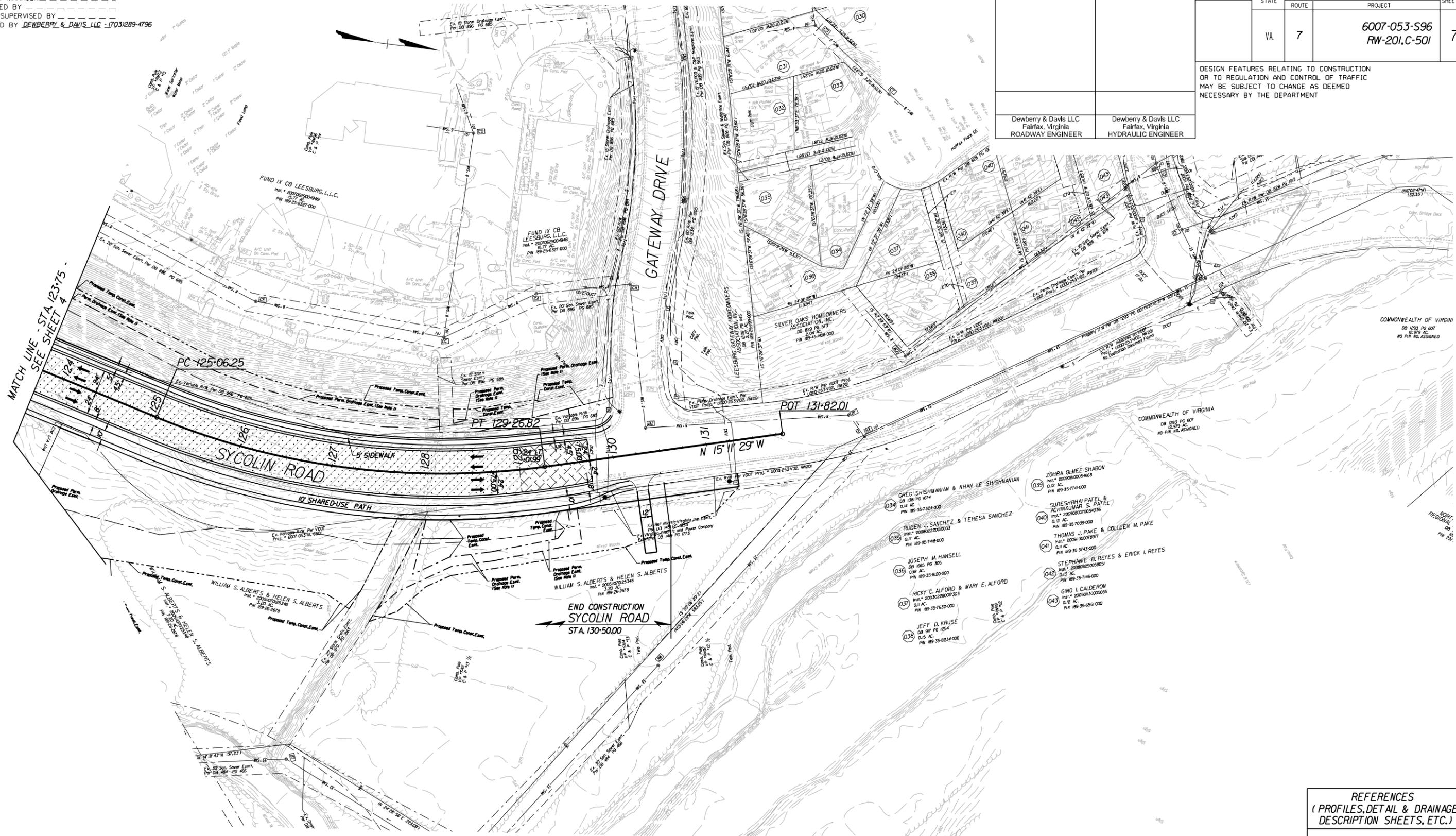
PROJECT MANAGER \_\_\_\_\_  
 SURVEYED BY \_\_\_\_\_  
 DESIGN SUPERVISED BY \_\_\_\_\_  
 DESIGNED BY DEWBERRY & DAVIS LLC - (703)289-4796

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA	7	6007-053-S96 RW-201,C-501	7

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

Dewberry & Davis LLC  
 Fairfax, Virginia  
 ROADWAY ENGINEER

Dewberry & Davis LLC  
 Fairfax, Virginia  
 HYDRAULIC ENGINEER



MATCH LINE - STA 123-75 - SEE SHEET 4



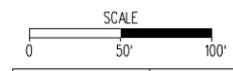
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY

NOTES:  
 1. All work is to be within the Existing and/or Proposed Right-of-Way Limits Identified in the VDOT RFP Plans

- Denotes Full Depth Pavement
- Denotes Demolition of Pavement
- Denotes Overlay Pavement
- Denotes Milling and Overlay
- Denotes PE-1, Type I

Denotes Construction Limits In Cuts  
 Denotes Construction Limits In Fills

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



PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6007-053-S96		7



STATE	FEDERAL AID	STATE	SHEET NO.
ROUTE	PROJECT	ROUTE	PROJECT
VA.	STP-5A01(229)	643	6007-053-S96, B666
NBIS Number: 2538023-00000000029947		UPC No.	99256
Federal Oversight Code: NFO		FHWA Construction and Scour Code:	X281-SN

**DESIGN EXCEPTION(S):**

None.

**GENERAL NOTES:**

Width: 6'-0" sidewalk, 52'-0" roadway, 14'-0" shared use path. Overall width 52'-0" face of sidewalk curb to face of rail.

Span layout: 131'-131' prestressed concrete 69" deep bulb-T beam spans continuous for live load.

Capacity: HL-93 loading.

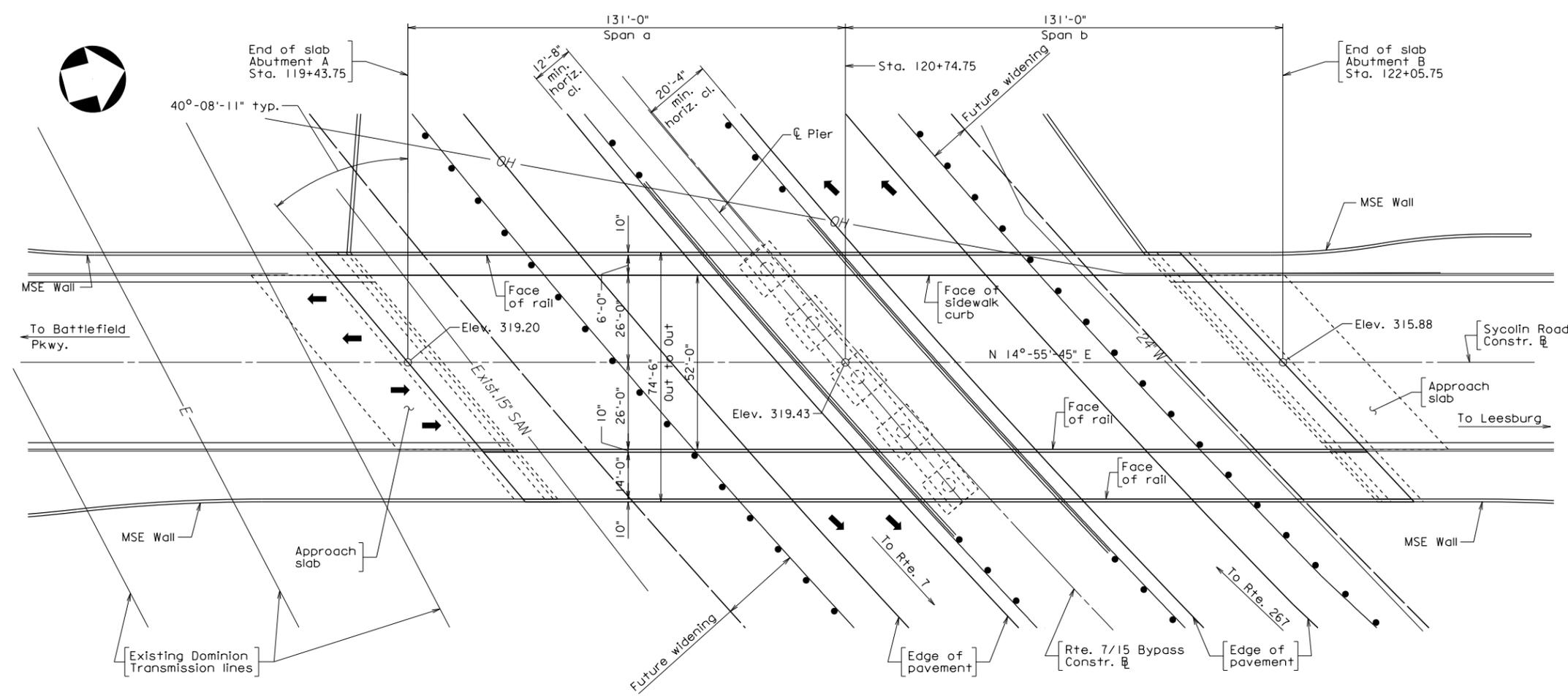
Specifications:

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

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

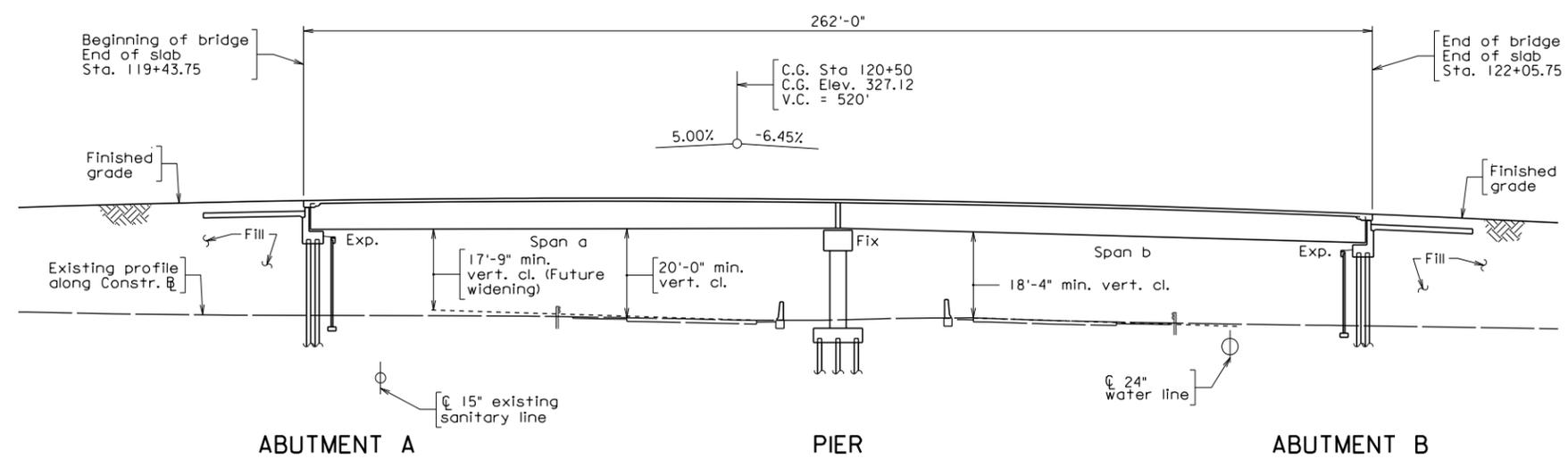
Standard: Virginia Department of Transportation Road and Bridge Standards, 2008.

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



PLAN

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



DEVELOPED SECTION ALONG CONSTR. B



**COMMONWEALTH OF VIRGINIA**  
**DEPARTMENT OF TRANSPORTATION**  
PROPOSED BRIDGE ON  
**SYCOLIN ROAD OVER RTE. 7/15 BYPASS**  
**TOWN OF LEESBURG - 0.6 MI. N. OF RTE. 654**  
**PROJ. 6007-053-S96, B666**

DEWBERRY & DAVIS FAIRFAX, VA STRUCTURAL ENGINEER
PLANS BY:
COORDINATED:
SUPERVISED:
DESIGNED:
DRAWN:
CHECKED:

No.	Description	Date
REVISIONS		
For Table of Revisions, see Sheet 2.		

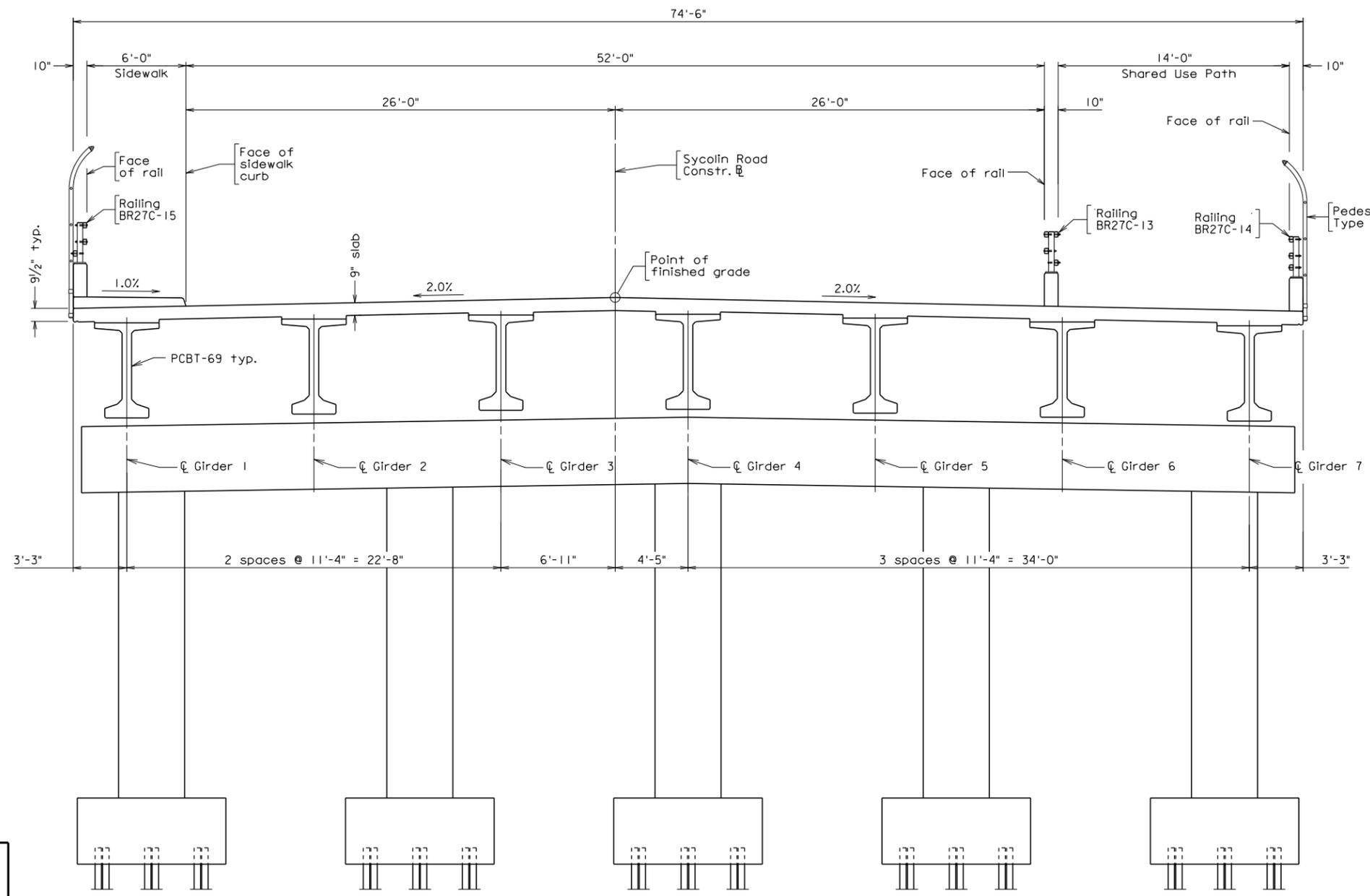
Recommended for Approval: \_\_\_\_\_ Date \_\_\_\_\_  
State Structure and Bridge Engineer

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

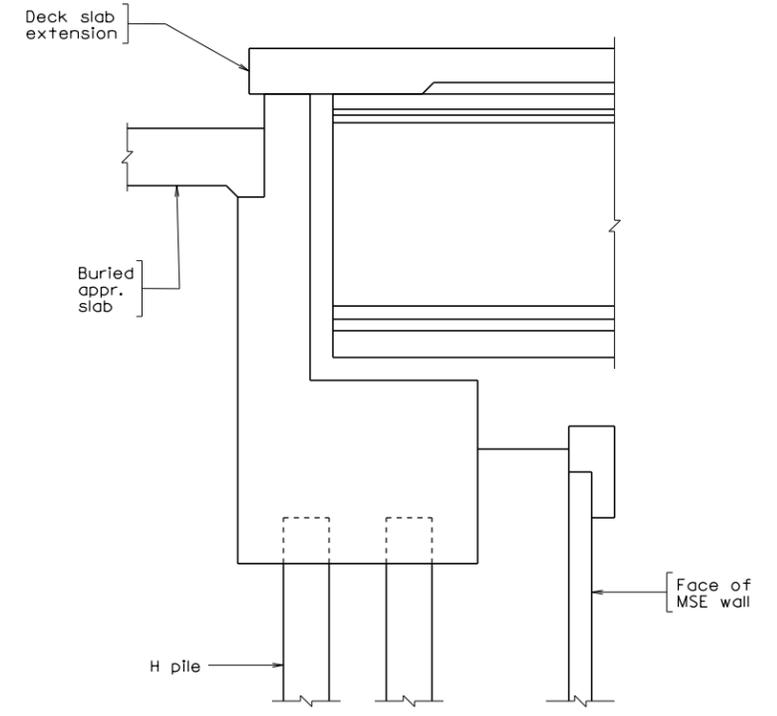
Date: October 2012 \_\_\_\_\_ © 2012, Commonwealth of Virginia  
291-99 Sheet 1 of 2

sycolin-GPE.dgn

STATE	FEDERAL AID	STATE	SHEET NO.
ROUTE	PROJECT	ROUTE	PROJECT
VA.		643	6007-053-S96, B666



PRELIMINARY PLANS  
 THESE PLANS NOT TO BE USED  
 FOR CONSTRUCTION



TRANSVERSE SECTION  
 Scale: 1/4" = 1'-0"

ABUTMENT TYPICAL SECTION  
 Scale: 1/2" = 1'-0"

sycolin-section.dgn

DEWBERRY & DAVIS LLC  
 FAIRFAX, VA  
 STRUCTURAL ENGINEER

© 2012, Commonwealth of Virginia

		COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION	
		STRUCTURE AND BRIDGE DIVISION	
		TRANSVERSE SECTION AND ABUTMENT TYPICAL SECTION	
No.	Description	Date	Designed: .....
			Drawn: .....
			Checked: .....
Revisions		Date	Plan No.
		Oct. 2012	291-99
			Sheet No.
			2 of 2

RESPONSE TO REQUEST FOR PROPOSALS

# SYCOLIN ROAD OVERPASS OF THE ROUTE 7/15 BYPASS IN LEESBURG

A DESIGN-BUILD PROJECT  
LOUDOUN COUNTY, VIRGINIA

## PRICE PROPOSAL



State Project No.: 6007-053-S96  
Federal Project No.: STP-5A01(229)  
Contract ID Number: C00099256DB53

Submitted To:



Submitted By:



In Association With:



ATTACHMENT 4.0.1.2

**DESIGN-BUILD PRICE PROPOSAL  
CHECKLIST**

**Project Name: Sycolin Road Overpass of Route 7-15 Bypass in Leesburg  
Contract ID Number: C00099256DB53**

---

➤ **Contents of Price Proposal:**

- Proposal Price, in both numbers and words (Attachment 4.3.1)**
  - Price Adjustment Information and Forms for Fuel, Asphalt and Steel, including identification of pay items and associated quantities eligible for adjustment (Part 3, Section 6.3, Attachments 6.3)**
  - Proposal Guaranty (C-24) required by Section 102.07 of Part 5, Division I Amendments to the Standard Specifications**
  - Sworn Statement Forms (C-104, C-105, Attachments 4.3.4(a) and 4.3.4(b))**
  - DBE Requirements Forms (C-111, C-49 and C-112) as applicable (Attachments 4.3.5(a), 4.3.5(b) and 4.3.5(c))**
  - CD-ROM containing the entire Price Proposal in a single cohesive Adobe PDF file**
-



**ATTACHMENT 4.3.1**

**PRICE PROPOSAL FORM**

**4.3.1** Offeror shall specify, the following pricing information, in both numbers and words:

.1 Proposal Price;

Lump Sum Twelve Million One hundred eighty five  
thousand eight hundred fifty five (\$12,185,855.-)

Date: October 4, 2012

Signature: 

Design-Builder: Shirley Contracting Company, LLC

Vendor No.: S018



**EXHIBIT 6.3(a)  
ADJUSTMENT FOR ASPHALT**

**SPECIAL PROVISION FOR  
ASPHALT MATERIAL PRICE ADJUSTMENT  
DESIGN-BUILD PROJECTS**

June 30, 2011

In the event the Design-Builder elects to seek adjustment for asphalt items designated in the Price Proposal\Contract as Price Adjustment Items such items will be subject to price adjustment as set forth herein. Other items will not be adjusted, except as otherwise specified in the contract. If new pay items which contain Asphalt Material are established by Work Order, they will not be subject to Price Adjustment unless specifically designated in the Work Order to be subject to Price Adjustment.

Each month, the Department will publish an average state-wide PG 64-22 f.o.b. price per ton developed from the average terminal prices provided to the Department from suppliers of asphalt cement to contractors doing work in Virginia. The Department will collect terminal prices from approximately 12 terminals each month. These prices will be received once each month from suppliers on or about the last weekday of the month. The high and low prices will be eliminated and the remaining values averaged to establish the average statewide price for the following month. That monthly state-wide average price will be posted on the Scheduling and Contract Division website on or about the first weekday of the following month.

This monthly statewide average price will be the Base Index for all contracts on which bids are received during the calendar month of its posting and will be the Current Index for all asphalt placed during the calendar month of its posting. In the event an index changes radically from the apparent trend, as determined by the Engineer, the Department may establish an index which is determined to best reflect the trend.

The amount of adjustment applied will be based on the difference between the Price Proposal\Contract Base Index and the Current Index for the applicable calendar month during which the work is performed. Adjustment of any asphalt material item designated as a price adjustment item which does not contain PG 64-22, except PG 76-22, will be based on the indexes for PG 64-22. The quantity of asphalt cement for asphalt concrete pavement to which adjustment will be applied will be the quantity based on the percent of asphalt cement shown on the appropriate approved job mix formula.

The quantity of asphalt emulsion for surface treatments to which adjustment will be applied will be the quantity based on 65 percent residual asphalt.

Price adjustment will be shown as a separate entry on the monthly application of payment for work packages completed; however, such adjustment will not be included in the total cost of the work for progress determination or for extension of contract time.

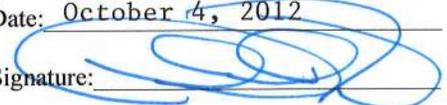
In order to be eligible for asphalt price adjustment under this provision, the Design-Builder shall clearly identify in its Price Proposal those pay items and the associated quantities it chooses to have asphalt price adjustment applied to in its work packages. Items the Design-Builder claims in its application of payment for asphalt adjustments must be properly designated in order to be considered for adjustment. Items not properly designated or left out of the Design-Builder's Price Proposal will automatically not be considered for adjustment.

Any apparent attempt to unbalance bids in favor of items subject to price adjustment or failure to submit required cost and price data as noted hereinbefore may result in rejection of items for asphalt adjustment.

I elect to use this provision

I elect not to use this provision

Date: October 4, 2012

Signature: 

Design-builder: Shirley Contracting Company, LLC

Vendor No.: S018

EXHIBIT 6.3(b)

Form C-16a  
7-13-05

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
PRICE ADJUSTMENT

**INSTRUCTIONS** - This form is to be completed and returned ONLY when asphalt concrete items are designated for price adjustment on the bid price sheets.

PROJECT NUMBER: 6007-053-S96

DISTRICT: Northern Virginia

Bid Prices in this contract for items containing PG 64-22 asphalt cement were developed using an f.o.b. price of \$ 567.22 per IMPERIAL ton for PG 64-22. This quote will be averaged into the monthly price index.

Bid Prices in this contract for items containing PG 76-22 asphalt cement were developed using an f.o.b. price of \$ n/a per IMPERIAL ton for PG 76-22. This quote is project specific.  
(When required by provisions)

Price quotes signed by each supplier from which the Design-Builder proposes to obtain PG 64-22 or PG 76-22 shall be maintained by the successful bidder. These quotes shall be retained on site during the life of the Contract for review by the Engineer upon request.

I elect to use this provision  
 I elect not to use this provision

DATE: October 4, 2012

SIGNATURE: 

Shirley Contracting Company, LLC  
(Firm or Corporation)

S018  
(Vendor No.)

**EXHIBIT 6.3 (c)  
ADJUSTMENT FOR FUEL**

**VIRGINIA DEPARTMENT OF TRANSPORTATION  
SPECIAL PROVISION FOR  
OPTIONAL ADJUSTMENT FOR FUEL  
DESIGN-BUILD PROJECTS**

June 30, 2011

In the event the Design-Builder elects to seek adjustment for fuel items designated in the Price Proposal/Contract as Price Adjustment Items such items will be subject to price adjustment as set forth herein. Other items will not be adjusted, except as otherwise specified in the contract.

The Design-Builder will submit their monthly application for payment associated with eligible work packages with an adjustment up or down as appropriate for cost changes in fuel used on specific items of work identified in this provision. A master listing of standard items eligible for fuel adjustment is provided by the Department on its website at the following link <http://www.virginiadot.org/business/resources/masteroptionalfuelitems.pdf>. The listing on the web site also includes the corresponding fuel factor for each item. The fuel usage factor for each item is considered inclusive of all fuel usage.

The amount of adjustment will be computed from the change in the indexes and the on-site fuel use as shown in the Department's master listing of eligible items.

In order to be eligible for fuel adjustment under this provision, the Design-Builder shall clearly identify in its Price Proposal those pay items and the associated quantities it chooses to have fuel adjustment applied to in its work packages. Items the Design-Builder claims in its application of payment for fuel adjustments must be properly designated in order to be considered for adjustment. Items not properly designated or left out of the Design-Builder's Price Proposal will automatically not be considered for adjustment.

The monthly index price to be used in the administration of this provision will be calculated by the Department from the Diesel fuel prices published by the U. S. Department of Energy, Energy Information Administration on highway diesel prices, for the Lower Atlantic region. The monthly index price will be the price for diesel fuel calculated by averaging each of the weekly posted prices for that particular month.

For the purposes of this provision, the base index price will be calculated using the data from the month preceding the receipt of bids. The base index price will be posted by the Department at the beginning of the month for all bids received during that month.

The current index price will be posted by the Department and will be calculated using the data from the month preceding the particular estimate being vouchered for payment.

The current monthly quantity for eligible items of work selected by the Design-Builder for fuel adjustment in its work packages will be multiplied by the appropriate fuel factor to determine the gallons of fuel to be cost adjusted. The amount of adjustment per gallon will be the net difference between the current index price and the base index price. Computation for adjustment will be made as follows:

$$S = (E - B) QF$$

Where; S = Monetary amount of the adjustment (plus or minus)  
B = Base index price  
E = Current index price

Q = Quantity of individual units of work  
F = Appropriate fuel factor

Adjustments will not be made for work performed beyond the original contract time limit unless the original time limit has been changed by an executed Work Order.

If new pay items are added to this contract by Work Order and they are listed in the Department's master listing of eligible items, the Work Order must indicate which of these individual items will be fuel adjusted; otherwise, those items will not be fuel adjusted. If applicable, designating which new pay items will be added for fuel adjustment must be determined during development of the Work Order and clearly shown on the Work Order form. The Base Index price on any new eligible pay items added by Work Order will be the Base Index price posted for the month in which bids were received for that particular project. The Current Index price for any new eligible pay items added by Work Order will be the Index price posted for the month preceding the estimate on which the Work Order is paid.

When quantities differ between the last monthly application of payment prepared upon final acceptance and the final application of payment, adjustment will be made using the appropriate current index for the period in which that specific item of work was last performed.

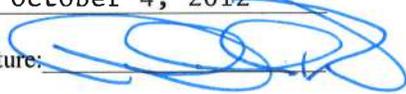
In the event any of the base fuel prices in this contract increase more than 100 percent (i.e. fuel prices double), the Department will review each affected item of work and give the Design-Builder written notice if work is to stop on any affected item of work. The Department reserves the right to reduce, eliminate or renegotiate the price for remaining portions of affected items of work.

Any amounts resulting from fuel adjustment will not be included in the total cost of work for determination of progress or for extension of contract time.

I elect to use this provision

I elect not to use this provision

Date: October 4, 2012

Signature: 

Design-builder: Shirley Contracting Co., LLC

Vendor No.: S018

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**EXHIBIT 6.3(d)  
ADJUSTMENT FOR STEEL**

**VIRGINIA DEPARTMENT OF TRANSPORTATION  
SPECIAL PROVISION FOR  
PRICE ADJUSTMENT FOR STEEL  
DESIGN-BUILD PROJECTS**

June 30, 2011

In the event the Design-Builder elects to seek adjustment for steel items designated in the Price Proposal/Contract as Price Adjustment Items such items will be subject to price adjustment as set forth herein. If new pay items which involve steel are established by Work Order, they will not be subject to Price Adjustment unless specifically designated in the Work Order to be subject to Price Adjustment.

The Design-Builder will submit their monthly application for payment associated with eligible work packages with an adjustment up or down as appropriate for cost changes in steel used on specific items of work identified in the Price Proposal/contract in accordance with this provision. Provided at the end of this provision is a master listing of standard bid items the Department has determined are eligible for steel price adjustment. Inventoried materials from the listing of eligible items are specifically excluded for consideration. In addition, concrete items where reinforcing steel is normally included in the unit bid price for the item such as (but not limited to) drop inlets, median barriers, sound barrier walls, bridge railing and parapets, are not eligible for consideration under this provision.

The requirements of this provision shall apply only to material cost changes that occur between the date of the opening of the Price Proposal and the date the material is shipped to the fabricator. To be eligible for this price adjustment, Design-Builder is required to fill out the accompanying Form for Price Adjustment for Eligible Steel Items on Design-Build Projects and submit the same with its Price Proposal for the Project. By signing the Form and submitting it with its Price Proposal Design-Builder declares its intention to participate in the price adjustment in its contract with the Department. For the purposes of this provision, the prices listed on the Form for Price Adjustment for Eligible Steel Items on Design-Build projects are fixed for cost and adjustment calculations regardless of quantities incorporated into final design. Further, in order for steel items to be eligible for adjustment, once shipped to the fabricator, the items shall be specifically stored, labeled, or tagged, recognizable by color marking, and identifiable by project for inspection and audit verification.

Design-Builder shall upon request furnish documentation supporting the price per pound for eligible steel items as shown on the Form for Price Adjustment for Eligible Steel Items on Design-Build Projects furnished with its Price Proposal. Design-Builder must use the format as shown with this Form; no other format for presenting this information will be permitted. Design-Builder shall certify that all items of documentation are original and were used in the computation of the price per pound amount for the represented eligible pay items for the month the Price Proposal was opened. This documentation shall support the base line material price ("Base Price") of the steel item only. Base price per pound shall not include the following cost components: fabrication, shipping, storage, handling, and erection.

Failure to submit all documentation required or requested supporting the per pound prices on eligible steel items will result in Design-Builder being ineligible for a price adjustment of any or all steel items.

Price adjustment of each qualifying item under consideration will be subject to the following condition:

There is an increase or decrease in the cost of eligible steel materials in excess of 10 percent up to a maximum of 60 percent from the Base Price when compared with the latest published price index ("Price Index") in effect at the time material is shipped to the fabricator.

The Price Index the Department is using is based on The U.S. Department of Labor, Bureau of Labor Statistics, Producers Price Index (PPI) which measures the average price change over time of the specific

steel eligible item from the perspective of the seller of goods. The Master List table provided at the end of this provision indicates the Producers Price Index (PPI) steel category index items and the corresponding I.D. numbers to which VDOT items will be compared. **Please note:** The Producers Price Index (PPI) is subject to revision 4 months after original publication, therefore, price adjustments and payments will not be made until the index numbers are finalized.

The price adjustment will be determined by computing the percentage of change in index value beyond 10 percent above or below the index on the date of opening of Design-Builder's Price Proposal to the index value on the date the steel material is shipped to the fabricator (Please see included sample examples). Weights and date of shipment must be documented by a bill of lading provided to the Department. The final price adjustment dollar value will be determined by multiplying this percent increase or decrease in the index (after 10%) by the represented quantity of steel shipped, by the Base Price per pound subject to the limitations herein.

**Price increase/decrease will be computed as follows:**

$$A = B \times P \times Q$$

- Where;
- A = Steel price adjustment in lump sum dollars
  - B = Average weighted price of steel submitted in Design-Builder's Price Proposal for project in price per pound as listed on the Form for Price Adjustment for Eligible Steel Items on Design-Build Project
  - P = Adjusted percentage change in PPI average from shipping date to date of opening of Price Proposal minus 10% (0.10) threshold
  - Q = Total quantity of steel in pounds shipped to fabricator for specific project

The need for application of the adjustments herein to extra work will be determined by the Engineer on an individual basis and, if appropriate, will be specified on the Work Order.

This price adjustment is capped at 60 percent. This means the maximum "P" value for increase or decrease that can be used in the above equation is 50% (60%-10% threshold).

Calculations for price adjustment shall be shown separate from the monthly progress payment for work packages and will not be included in the total cost of work for determination of progress or for extension of contract time.

Upon Department review and due process consideration for redress by Design-Builder, any apparent evidence to unbalance the price supplied by Design-Builder in favor of items subject to price adjustment will result in ineligibility for Department participation under this provision.



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**Sample Calculation of a Price Adjustment (increase)**

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Project bid on April 28, 2004.

Project has 450,000 lb. of eligible structural steel.

Design Builder's \*f.o.b. supplier price for structural steel submitted in the Price Proposal is \$0.2816 per pound.

\*free on board

Adjusted\*\* BLS Producers Price Index (PPI) most recently published average at time of opening of the Price Proposal is 139.6.

All eligible steel shipped to fabricator in same month, October 2004.

Adjusted BLS Producers Price Index (PPI) most recently published average for month of October is 161.1

Adjustment formula is as follows:

$$A = B \times P \times Q$$

- Where;
- A = Steel price adjustment in lump sum dollars
  - B = Average weighted price of steel submitted in the Price Proposal for Design-Build project in \$ per pound
  - P = Adjusted percentage change in PPI average from shipping date to date of submitted Price Proposal minus 10% (0.10) threshold
  - Q = Total quantity of eligible steel shipped to fabricator in October 2004 for this project in pounds

$$B = \$0.2816$$

$$P = (161.1 - 139.6) / 139.6 - 0.10 = 0.054$$

$$Q = 450,000 \text{ lb.}$$

$$A = 0.2816 \times 0.054 \times 450,000$$

$$A = \$6,842.88 \text{ pay adjustment to Design-Builder}$$

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**Sample Calculation of a Price Adjustment (decrease)**

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Project bid on April 28, 2004.

Project has 450,000 lb. of eligible structural steel.

Design-Builder's \*f.o.b. supplier price for structural steel submitted in the Price Proposal is \$0.2816 per pound.

\*free on board

Adjusted BLS Producers Price Index (PPI) most recently published average at time of opening of the Price Proposal is 156.6.

All eligible steel shipped to fabricator in same month, October 2004.

Adjusted BLS Producers Price Index (PPI) most recently published average for month of October is 136.3

Adjustment formula is as follows:

$$A = B \times P \times Q$$

- Where;
- A = Steel price adjustment in lump sum dollars
  - B = Average weighted price of steel submitted in the Price Proposal for Design-Build project in \$ per pound
  - P = Adjusted percentage change in PPI average from shipping date to date of submitted Price Proposal minus 10% (0.10) threshold
  - Q = Total quantity of eligible steel shipped to fabricator in October 2004 for this project in pounds

$$B = \$0.2816$$

$$P = (156.6 - 136.3) / 156.6 - 0.10 = 0.030$$

$$Q = 450,000 \text{ lb.}$$

$$A = 0.2816 \times 0.030 \times 450,000$$

$$A = \$3,801.60 \text{ credit to Department}$$

**MASTER LISTING**

**STANDARD BID ITEMS ELIGIBLE FOR STEEL PRICE ADJUSTMENT**

March 18, 2009

**BLS Series I. D.**

<b>ITEM NUMBER</b>	<b>ITEM DESCRIPTION</b>	<b>UNITS</b>	<b>Number WPU used in \$ adjust.</b>
00519	SHEET PILE, STEEL	SF	avg. 1017 & 101
00540	REINF. STEEL	LB	101704
00542	EPOXY COATED REINF. STEEL	LB	101704
00560	STRUCTURAL STEEL JB-1	LB	avg. 1017 & 101
11030	REINF. STEEL BRIDGE APPR. SLAB	LB	101704
11181	PATCH.HYDR.CEM.CONC. PAVE.	SY	101704
13290	GUARDRAIL GR-8 (NCHRP 350 TL-3)	LF	avg. 1017 & 101
13292	GUARDRAIL GR-8A (NCHRP 350 TL-3)	LF	avg. 1017 & 101
13294	GUARDRAIL GR-8B (NCHRP 350 TL-3)	LF	avg. 1017 & 101
13310	GUARDRAIL TERMINAL GR-6 (NCHRP 350)	LF	avg. 1017 & 101
13320	GUARDRAIL GR-2	LF	avg. 1017 & 101
13323	GUARDRAIL GR-2A	LF	avg. 1017 & 101
13331	RAD. GUARDRAIL GR-2	LF	avg. 1017 & 101
13333	RAD. GUARDRAIL GR-2A	LF	avg. 1017 & 101
13335	GUARDRAIL GR-3	LF	avg. 1017 & 101
13341	GUARDRAIL TER. GR-6(WEATHERING STEEL	LF	avg. 1017 & 101
13351	GUARDRAIL GR-8	LF	avg. 1017 & 101
13352	GUARDRAIL GR-8A	LF	avg. 1017 & 101
13353	GUARDRAIL GR-8B	LF	avg. 1017 & 101
13355	GUARDRAIL GR-10	LF	avg. 1017 & 101
13421	MEDIAN BARRIER MB-3	LF	avg. 1017 & 101
13450	MEDIAN BARRIER MB-5	LF	avg. 1017 & 101
13451	MEDIAN BARRIER MB-5A	LF	avg. 1017 & 101
13452	MEDIAN BARRIER MB-5B	LF	avg. 1017 & 101
13545	REINF. STEEL	LB	101704
14502	REINFORCING STEEL	LB	101704
15290	PATCH.CEM.CONC.PAVE.TY.CRCP-A	SY	101704
15302	PATCH.CEM.CONC.PAVE. TY. II	SY	101704
15305	PATCH.CEM.CONC.PAVE.TY. IV-A	SY	101704
17323	GUARDRAIL BEAM *	LF	avg. 1017 & 101
17325	RADIAL GUARDRAIL BEAM *	LF	avg. 1017 & 101
17327	RUB RAIL	LF	avg. 1017 & 101
17353	CABLE GR-3	LF	avg. 1017 & 101
17521	GUARDRAIL BEAM (WEATHERING STEEL)	LF	avg. 1017 & 101
17523	RADIAL GUARDRAIL BEAM (WEATHERING STEEL)	LF	avg. 1017 & 101
17525	RUB RAIL (WEATHERING STEEL)	LF	avg. 1017 & 101
22501	FENCE FE-W1	LF	avg. 1017 & 101
22643	FENCE FE-CL	LF	avg. 1017 & 101
22645	FENCE FE-CL VINYL COATED	LF	avg. 1017 & 101
23043	WATER GATE FE-4 TY.III	LF	avg. 1017 & 101
23501	FENCE FE-W1 (FABRIC ONLY)	LF	avg. 1017 & 101
45522	4" STEEL ENCASE. PIPE	LF	101706
45532	6" STEEL ENCASE. PIPE	LF	101706
45562	16" STEEL ENCASE. PIPE	LF	101706
45572	18" STEEL ENCASE. PIPE	LF	101706

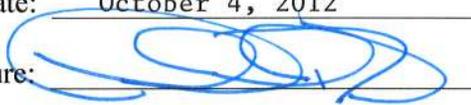
45582	24" STEEL ENCASE. PIPE	LF	101706
45584	24" JACKED STEEL ENCASUREMENT PIPE	LF	101706
45592	30" STEEL ENCASE. PIPE	LF	101706
50402	SIGN POST STEEL 3"	LF	101706
50404	SIGN POST STEEL 4"	LF	101706
50406	SIGN POST STEEL 6"	LF	101706
50410	SIGN POST STEEL 10"	LF	101706
50412	SIGN POST STEEL 12"	LF	101706
50414	SIGN POST STEEL 14"	LF	101706
50416	SIGN POST STEEL 16"	LF	101706
50418	SIGN POST STEEL 18"	LF	101706
51317	SIG. POLE MP-1 20' ONE ARM 30'	EA	101706
51319	SIG. POLE MP-1 20' ONE ARM 32'	EA	101706
51325	SIG. POLE MP-1 20' ONE ARM 38'	EA	101706
51327	SIG. POLE MP-1 20' ONE ARM 40'	EA	101706
51329	SIG. POLE MP-1 20' ONE ARM 42'	EA	101706
51331	SIG. POLE MP-1 20' ONE ARM 44'	EA	101706
51337	SIG. POLE MP-1 20' ONE ARM 50'	EA	101706
51339	SIG. POLE MP-1 20' ONE ARM 52'	EA	101706
51341	SIG. POLE MP-1 20' ONE ARM 54'	EA	101706
51344	SIG. POLE MP-1 20' ONE ARM 56'	EA	101706
51346	SIG. POLE MP-1 20' ONE ARM 58'	EA	101706
51347	SIG. POLE MP-1 20' ONE ARM 60'	EA	101706
51348	SIG. POLE MP-1 20' ONE ARM 62'	EA	101706
51368	SIG.POLE MP-1 20'TWO ARMS 36'& 42'	EA	101706
51400	SIG.POLE MP-1 CO.LU.ONE ARM 38	EA	101706
51402	SIG.POLE MP-1 CO.LU.ONE ARM 40	EA	101706
51408	SIG.POLE MP-1 CO.LU.ONE ARM 46	EA	101706
51412	SIG.POLE MP-1 CO.LU.ONE ARM 50	EA	101706
51414	SIG.POLE MP-1 CO.LU.ONE ARM 52	EA	101706
51416	SIG.POLE MP-1 CO.LU.ONE ARM 54	EA	101706
51418	SIG.POLE MP-1 CO.LU.ONE ARM 56	EA	101706
51420	SIG.POLE MP-1 CO.LU.ONE ARM 58	EA	101706
51422	SIG.POLE MP-1 CO.LU.ONE ARM 60	EA	101706
55162	LIGHTING POLE LP-1 30'-4'	EA	101706
55163	LIGHTING POLE LP-1 30'-6'	EA	101706
55166	LIGHTING POLE LP-1 30'-12'	EA	101706
55169	LIGHTING POLE LP-1 35'-6'	EA	101706
55171	LIGHTING POLE LP-1 35'-10'	EA	101706
55176	LIGHTING POLE LP-1 40'-8'	EA	101706
55185	LIGHTING POLE LP-2 TYPE A	EA	101706
55186	LIGHTING POLE LP-2 TYPE B	EA	101706
55187	LIGHTING POLE LP-2 TYPE C	EA	101706
55188	LIGHTING POLE LP-2 TYPE D	EA	101706
55189	LIGHTING POLE LP-2 TYPE E	EA	101706
55190	LIGHTING POLE LP-2 TYPE F	EA	101706
55192	LIGHTING POLE LP-2 TYPE H	EA	101706
60452	REINF. STEEL BRIDGE APPR. SLAB	LB	101704
61700	REINF. STEEL	LB	101704
61704	CORROSION RESISTANT REINF. STEEL	LB	101704
61705	EPOXY COATED REINF. STEEL	LB	101704
61750	STRUCT.STEEL HIGH STRG.PLT.GIRDERS	LB	avg. 1017 & 101
61811	STR.STEEL PLATE GIRDER ASTM A709 GRADE50	LB	avg. 1017 & 101
61812	STR.STEEL PLATE GIRDER ASTM A709 GRADE50	LB	avg. 1017 & 101
61813	STR.STEEL PLATE GIRDER ASTM A709 GRADEHPS50W	LB	avg. 1017 & 101
61814	STR.STEEL PLATE GIRDER ASTM A709 GRADEHPS70W	LB	avg. 1017 & 101
61820	STR.STEEL ROLLED BEAM ASTM A709 GRADE 36	LB	avg. 1017 & 101

61821	STR.STEEL ROLLED BEAM ASTM A709 GRADE50	LB	avg. 1017 & 101
61822	STR.STEEL ROLLED BEAM ASTM A709 GRADE50W	LB	avg. 1017 & 101
61990	STEEL GRID FLOOR	SF	avg. 1017 & 101
64110	STEEL PILES 10"	LF	avg. 1017 & 101
64112	STEEL PILES 12"	LF	avg. 1017 & 101
64114	STEEL PILES 14"	LF	avg. 1017 & 101
64768	DRIVING TEST FOR 12" STEEL PILE	LF	avg. 1017 & 101
64778	DRIVING TEST FOR 14" STEEL PILE	LF	avg. 1017 & 101
65200	REINF. STEEL	LB	101704
65204	CORROSION RESISTANT REINF. STEEL	LB	101704
65205	EPOXY COATED REINF. STEEL	LB	101704
67086	PED. FENCE 6'	LF	avg. 1017 & 101
67088	PED. FENCE 8'	LF	avg. 1017 & 101
67089	PED. FENCE 10'	LF	avg. 1017 & 101
68100	REINF. STEEL	LB	101704
68104	CORROSION RESISTANT REINF. STEEL	LB	101704
68105	EPOXY COATED REINF. STEEL	LB	101704
68107	STR.STEEL PLATE GIRDER ASTM A709 GRADE50	LB	avg. 1017 & 101
68108	STR. STEEL PLATE GIRDER ASTM A709 GR50W	LB	avg. 1017 & 101
68109	STR. STEEL PLATE GIRDER ASTM A709 GR.HPS50W	LB	avg. 1017 & 101
68110	STR. STEEL PLATE GIRDER ASTM A709 GR.HPS70W	LB	avg. 1017 & 101
68112	STR.STEEL ROLLED BEAM ASTM A709 GR.36	LB	avg. 1017 & 101
68113	STR.STEEL ROLLED BEAM ASTM A709 GR.50	LB	avg. 1017 & 101
68114	STR.STEEL ROLLED BEAM ASTM A709 GR. 50W	LB	avg. 1017 & 101
68115	STRUCT. STEEL	LB	avg. 1017 & 101
68270	REINF. STEEL BRIDGE APPR. SLAB	LB	101704
69060	SHEET PILES, STEEL	SF	avg. 1017 & 101
69100	REINF. STEEL	LB	101704
69104	CORROSION RESISTANT REINF. STEEL	LB	101704
69105	EPOXY COATED REINF. STEEL	LB	101704
69110	STEEL PILES 10"	LF	avg. 1017 & 101
69112	STEEL PILE 12"	LF	avg. 1017 & 101
69113	DRIVING TEST FOR 12" STEEL PILE	LF	avg. 1017 & 101

I elect to use this provision

I elect not to use this provision

Date: October 4, 2012

Signature: 

Design-Builder: Shirley Contracting Company, LLC

Vendor No.: S018



**COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
PROPOSAL GUARANTY**

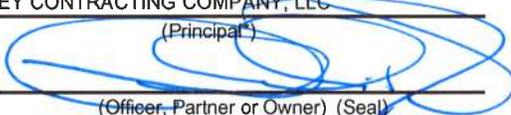
KNOW ALL MEN BY THESE PRESENTS, THAT WE SHIRLEY CONTRACTING COMPANY, LLC As principal, and TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA Surety, are held and firmly bound unto the Commonwealth of Virginia as obligee, in the amount of FIVE PERCENT OF THE DOLLAR VALUE OF THE BID, lawful money of the United States of America, for the payment of which, well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally and firmly by these presents.

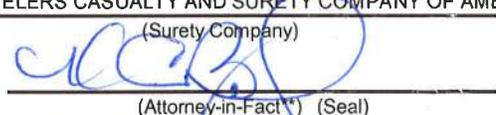
SIGNED, sealed and dated this 4TH Day of OCTOBER, 20 12

WHEREAS, the above said principal is herewith submitting its proposal for:

PROJECT NUMBER: CONTRACT ID NUMBER: C00099256DB53  
SYCOLIN ROAD OVERPASS OF THE ROUTE 7/15 BYPASS IN LEESBURG - A DESIGN/BUILD PROJECT  
FROM: 0.096 MILES NORTH OF HOPE PARKWAY TO: 0.016 MILES NORTH OF GATEWAY DRIVE  
LOUDOUN COUNTY, VIRGINIA

NOW, THEREFORE, the condition of the above obligee is such, that if the aforesaid principal shall be awarded the contract upon said proposal and shall within the time specified in the Specifications after the notice of such award enter into a contract and give bond for the faithful performance of the contract, then this obligation shall be null and void; otherwise to remain in full force and effect and the principal and surety will pay unto the obligee the difference in money between the amount of the bid of the said principal and the amount for which the obligee may legally contract with another party to perform the said work if the latter amount be in excess of the former; but in no event shall the liability exceed the penal sum hereof.

SHIRLEY CONTRACTING COMPANY, LLC  
(Principal\*)  
By:   
(Officer, Partner or Owner) (Seal)  
MICHAEL E. POST Pres/CEO  
(Principal\*)

TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA  
(Surety Company)  
By:   
(Attorney-in-Fact\*\*) (Seal)  
KAREN C. BOWLING, ATTORNEY-IN-FACT  
ONE TOWER SQUARE, HARTFORD, CT 06183  
(Address)

By: \_\_\_\_\_  
(Officer, Partner or Owner) (Seal)  
\_\_\_\_\_  
(Principal\*)

By: \_\_\_\_\_  
(Surety Company)  
\_\_\_\_\_  
(Attorney-in-Fact\*\*) (Seal)

By: \_\_\_\_\_  
(Officer, Partner or Owner) (Seal)

By: \_\_\_\_\_  
(Address)

\*Note: If the principal is a *joint venture*, each party thereof must be named and execution made by same hereon. If there is more than one surety to the bid bond, each surety must be named and execution shall be made by same hereon.

**Electronic Bid Only:** In lieu of completing the above section of the Contract Performance Bond, the Principal shall file an Electronic Bid Bond when bidding electronically. By signing below the Principal is ensuring the identified electronic bid bond has been executed and the Principal and Surety are firmly bound unto the Commonwealth of Virginia under the same conditions of the bid bond as shown above.

Electronic Bid Bond ID# \_\_\_\_\_ Company/Bidder Name \_\_\_\_\_ Signature and Title \_\_\_\_\_

\*\*Attach copy of Power of Attorney



POWER OF ATTORNEY

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company

Attorney-In Fact No. 219657

Certificate No. 004949971

KNOW ALL MEN BY THESE PRESENTS: That St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company and St. Paul Mercury Insurance Company are corporations duly organized under the laws of the State of Minnesota, that Farmington Casualty Company, Travelers Casualty and Surety Company, and Travelers Casualty and Surety Company of America are corporations duly organized under the laws of the State of Connecticut, that United States Fidelity and Guaranty Company is a corporation duly organized under the laws of the State of Maryland, that Fidelity and Guaranty Insurance Company is a corporation duly organized under the laws of the State of Iowa, and that Fidelity and Guaranty Insurance Underwriters, Inc., is a corporation duly organized under the laws of the State of Wisconsin (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint

Diana L. Parker, and Karen C. Bowling

of the City of Columbia, State of Maryland, their true and lawful Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed and their corporate seals to be hereto affixed, this 5th day of July, 2012.

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company



State of Connecticut
City of Hartford ss.

By: [Signature]
George W. Thompson, Senior Vice President

On this the 5th day of July, 2012, before me personally appeared George W. Thompson, who acknowledged himself to be the Senior Vice President of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

In Witness Whereof, I hereunto set my hand and official seal. My Commission expires the 30th day of June, 2016.



[Signature]
Marie C. Tetreault, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, which resolutions are now in full force and effect, reading as follows:

**RESOLVED**, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

**FURTHER RESOLVED**, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

**FURTHER RESOLVED**, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

**FURTHER RESOLVED**, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, Kevin E. Hughes, the undersigned, Assistant Secretary, of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 4th day of October, 2012

WARNING: THIS POWER OF ATTORNEY IS INVALID WITHOUT THE RED BORDER

*Kevin E. Hughes*  
Kevin E. Hughes, Assistant Secretary



To verify the authenticity of this Power of Attorney, call 1-800-421-3880 or contact us at www.travelersbond.com. Please refer to the Attorney-In-Fact number, the above-named individuals and the details of the bond to which the power is attached.



**COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
AFFIDAVIT**

PROJECT: 6007-053-S96

FHWA: STP-5A01(229)

This form must be completed, signed, notarized and returned with bid; and failure to do so, may result in the rejection of your bid. A separate form must be submitted by each principal of a joint venture bid.

1. I, the firm, corporation or officers, agents or employees thereof have neither directly nor indirectly entered into any combination or arrangement with any person, firm or corporation or entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with such contract, the effect of which is to prevent competition or increase the cost of construction or maintenance of roads or bridges.

During the preceding twelve months, I (we) have been a member of the following Highway Contractor's Associations, as defined in Section 33.1-336 of the Code of Virginia (1970). (If none, so state).

NAME	Location of Principal Office
<u>VTCA</u>	<u>620 Moorefield Park Dr., Richmond, VA 23236</u>
<u>HCCA</u>	<u>10756B Ambassador Dr., Manassas, VA 20110</u>
<u>Maryland Hwy. Contractors Assn.</u>	<u>2408 Peppermill Dr., Glen Burnie, MD 20161</u>

2. I (we) have , have not , participated in a previous contract or subcontract subject to the equal opportunity clause, as required by Executive Orders 10925, 11114, or 11246, and that I/We have , have not , filed with the joint Reporting Committee, the Director of the Office of Federal Contract Compliance, a Federal Government contracting or administering agency, or the former President's Committee on Equal Employment Opportunity, all reports due under the applicable filing requirements.

**Note:** The above certification is required by the Equal Employment Opportunity Regulations of the Secretary of Labor [41 CFR 60-1.7(b)(1)], and must be submitted by bidders and proposed subcontractors only in connection with contracts and subcontracts which are subject to the equal opportunity clause. Contracts and subcontracts which are exempt from the equal opportunity clause are set forth in 41 CFR 60-1.5. (Generally only contract or subcontracts of \$10,000 or under are exempt.)

Currently, Standard Form 100 (EEO-1) is the only report required by the Executive Orders or their implementing regulations.

Proposed prime contractors and subcontractors who have participated in a previous contract or subcontract subject to the Executive Orders and have not filed the required reports should note that 41 CFR 60-1.7(b) (1) prevents the award of contract and subcontract unless such contractor submits a report covering the delinquent period or such other period specified by the Federal Highway Administration or by the Director, Office of Federal Contract Compliance, U.S. Department of Labor.

(Continued)

**ORDER NO.:**  
**CONTRACT ID. NO.:**

Form C-105  
page 2

3. The bidder 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 judgement rendered against them for commission of fraud or a criminal offence in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation 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 above; and
  - (d) Where the bidders is unable to certify to any of the statements in this certification, the bidder shall show an explanation below.

Explanations will not necessarily result in denial of award, but will be considered in determining bidder responsibility. For any explanation noted, indicate below to whom it applies, initiating agency, and dates of action. Providing false information may result in federal criminal prosecution or administration sanctions. The bidder shall provide immediate written notice to the Department if at any time the bidder learns that its certification was erroneous when submitted or has become erroneous by reason of change circumstances.

The undersigned is duly authorized by the bidder to make the foregoing statements to be filed with bids submitted on behalf of the bidder for contracts to be let by the Commonwealth Transportation Board.

Signed at Fairfax County, Virginia, this 4th day of October, 20 12  
County (City), STATE  
Shirley Contracting Company, LLC  
(Name of Firm) By: [Signature] President/CEO/Manager  
STATE of Virginia COUNTY (CITY) of Fairfax Title (print)

I Danielle Barber, a Notary Public in and for the State and County(City) aforesaid, hereby certify that this day Michael E. Post

personally appeared before me and made oath that he is duly authorized to make the above statements and that such statements are true and correct.

Subscribed and sworn to before me this 4th day of October, 20 12  
[Signature] My Commission expires April 30, 2014



**COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION**

PROJECT: 6007-053-S96

FHWA: STP-5A01(229)

This form must be completed, signed and returned with bid; and failure to do so may result in the rejection of your bid. **THE CONTRACTOR SHALL AFFIRM THE FOLLOWING STATEMENT EITHER BY SIGNING THE AFFIDAVIT AND HAVING IT NOTARIZED OR BY SIGNING THE UNSWORN DECLARATION UNDER PENALTY OF PERJURY UNDER THE LAWS OF THE UNITED STATES. A SEPARATE FORM MUST BE SUBMITTED BY EACH PRINCIPAL OF A JOINT VENTURE BID.**

**STATEMENT.** In preparation and submission of this bid, I, the firm, corporation or officers, agents or employees thereof did not, either directly or indirectly, enter into any combination or arrangement with any persons, firm or corporation or enter into any agreement, participate in any collusion, or otherwise take any action in the restraint of free, competitive bidding in violation of the Sherman Act (15 U.S.C. Section 1) or Article 1.1 or Chapter 12 of Title 18.2 (Virginia Governmental Frauds Act), Sections 59.1-9.1 through 59.1-9.17 or Sections 59.1-68.6 through 59.1-68.8 of the Code of Virginia.

**AFFIDAVIT**

The undersigned is duly authorized by the bidder to make the foregoing statement to be filed with bids submitted on behalf of the bidder for contracts to be let by the Commonwealth Transportation Board.

Signed at Fairfax, this 4th day of October, 20 12  
County (City), STATE  
Shirley Contracting Company, LLC  
(Name of Firm)  
STATE of Virginia COUNTY (CITY) of Fairfax

By: [Signature] President/CEO/Manager  
(Signature) Title (print)

To-wit: I Danielle Barber, a Notary Public in and for the State and County(City) aforesaid, hereby certify that this day Michael E. Post

personally appeared before me and made oath that he is duly authorized to make the above statements and that such statements are true and correct.

Subscribed and sworn to before me this 4th day of October, 20 12  
[Signature] My Commission expires April 30, 2014  
Notary Public

**OR  
UNSWORN DECLARATION**

The undersigned is duly authorized by the bidder to make the foregoing statement to be filed with bids submitted on behalf of the bidder for contracts to be let by the Commonwealth Transportation Board.

Signed at \_\_\_\_\_, this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_\_  
County (City), STATE  
(Name of Firm)  
By: \_\_\_\_\_ Title (print)  
(Signature)







**SYCOLIN ROAD OVERPASS OF THE ROUTE 7/15 BYPASS**  
**SHIRLEY CONTRACTING COMPANY, LLC**



Contract ID Number: C00099256DB53  
 State Project No. 6007-053-S96

**DBE Breakdown of Form C-111**

SUBCONTRACTOR	ADDRESS	TYPE OF WORK	DBE No.	VEND No.	PERCENT of WORK by DBE	PERCENT of DBE VALUE	CONTRACT AMOUNT
Aacme General Contractors, Inc.	20094 Rowdy Road, Brandy Station, VA 22714	Seed & Mulch	#653231	#A683	100.00%	0.17%	\$ 20,642.50
Eastern Clearing, Inc.	6006 Bealeton Road, Bealeton, VA 22712	Clearing	#000251	#E251	100.00%	0.12%	\$ 14,584.56
Tavares Concrete Company, Inc.	8000 Cunder Bed Road, Lorton, VA 22079	Concrete Flatwork	#626436	#T131	100.00%	3.18%	\$ 387,812.50
Quarry Products Unlimited, Inc.	P.O. Box 395 Sharptown, MD 21861	Liquid Asphalt Supply	#685867		100.00%	0.91%	\$ 110,700.00
Rojas Larco Trucking, Inc.	P.O. Box 4445 Manassas, VA 20108	Trucking	#650566		100.00%	0.78%	\$ 95,000.00
Rojas Larco Trucking, Inc.	P.O. Box 4445 Manassas, VA 20108	Aggregate Hauling	#650566		100.00%	0.51%	\$ 61,647.00
Interlock Steelworkers, Inc.	2703 Back Acre Circle, Mount Airy, MD 21771	Furnish & Install Bridge Girders	#626263	#I039	100.00%	4.45%	\$ 542,580.00
Interlock Steelworkers, Inc.	2703 Back Acre Circle, Mount Airy, MD 21771	Rebar Furnish & Install	#626263	#I039	100.00%	3.08%	\$ 375,201.50
Nickelston Industries, Inc.	P.O. Box 133, Lawsonville, NC 27022	Guardrail Installation	#648455	#N234	100.00%	0.47%	\$ 57,517.50
D&W Fence, Inc	1800 Summit Drive, Haymarket, VA 20169	Bridge Railing Furnish & Install	#626549	#D357	100.00%	1.94%	\$ 236,266.00
Quinn Consulting Services, Inc.	4094 Majestic Lane #281, Fairfax, VA 22033	Engineering Services	#626289	Professional Services	100.00%	2.27%	\$ 276,476.50
Geoconcepts Engineering, Inc.	19955 Highland Vista Drive, Suite 170 Ashburn, VA 20147	Engineering Services	#626642	Professional Services	100.00%	1.77%	\$ 215,723.50
Diversified Property Services of VA	20 E. Timonium Road, Suite 111, Timonium, MD 21093	R.O.W. Acquisition Services	#626679	Professional Services	100.00%	0.39%	\$ 47,425.00

**CONTRACT TOTAL VALUE: \$12,185,855.00**

**TOTAL: \$ 2,441,576.56**  
**Value of DBE Attained 20.04%**

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
**CERTIFICATION OF BINDING AGREEMENT**  
WITH  
**DISADVANTAGED BUSINESS ENTERPRISE FIRMS**

Project No.: 6007-053-S96

Federal Project No.: STP-5A01(229)

This form is to be submitted in accordance with the Department's Special Provision for Section 107.15.

It is hereby certified by the below signed Contractors that there exists a written quote, acceptable to the parties involved preliminary to a binding subcontract agreement stating the details concerning the work to be performed and the price which will be paid for the aforementioned work. This document is not intended to, nor should it be construed to, contain the entire text of the agreement between the contracting parties. This document does not take the place of, nor may it be substituted for, an official subcontracting agreement in those situations that may require such an agreement. A copy of the fully executed *subcontract agreement* shall be submitted to the Engineer within fourteen (14) business days after contract execution.

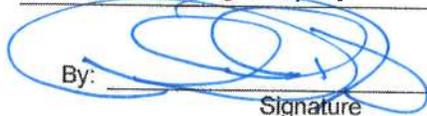
It is further certified that the aforementioned mutually acceptable quote and fully executed subcontract agreement represent the entire agreement between the parties involved and that no conversations, verbal agreements, or other forms of non-written representations shall serve to add to, delete, or modify the terms as stated.

The prime Contractor further represents that the aforementioned mutually acceptable quote and fully executed subcontract agreement shall remain on file for a period of not less than one year following completion of the prime's contract with the Department or for such longer period as provisions of governing Federal or State law or regulations may require. For purposes of this form, the term Prime Contractor shall refer to any Contractor utilizing a DBE subcontractor, regardless of tier, in which they are claiming DBE credit toward the contract goal.

Contractors further jointly and severally represent that said binding agreement is for the performance of a "commercially useful function" as that term is employed in 49 C.F.R. Part 26.55 (c), (d).

**TO BE SIGNED BY THE SUBCONTRACTOR TO THE PRIME CONTRACTOR, AND ANY LOWER TIER  
SUBCONTRACTORS HAVING A CONTRACT WITH THE BELOW NAMED DBE FIRM**

Prime Contractor Shirley Contracting Company, LLC

By:  Signature

Pres/CEO  
Title

Date: 10/4/12

First Tier  
Subcontractor if  
Applicable

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

\_\_\_\_\_ Title

Date: \_\_\_\_\_

Second Tier  
Subcontractor if  
Applicable

\_\_\_\_\_  
By: \_\_\_\_\_  
Signature Title  
Date: \_\_\_\_\_

Third Tier  
Subcontractor if  
Applicable

\_\_\_\_\_  
By: \_\_\_\_\_  
Signature Title  
Date: \_\_\_\_\_

DBE Contractor

*Acme General Contractors Inc.*

By: *Heather Snoddy*  
Signature Title  
Date: *10/1/2012*

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
**CERTIFICATION OF BINDING AGREEMENT**  
WITH  
**DISADVANTAGED BUSINESS ENTERPRISE FIRMS**

Project No.: 6007-053-S96

Federal Project No.: STP-5A01(229)

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**TO BE SIGNED BY THE SUBCONTRACTOR TO THE PRIME CONTRACTOR, AND ANY LOWER TIER  
SUBCONTRACTORS HAVING A CONTRACT WITH THE BELOW NAMED DBE FIRM**

Prime Contractor Shirley Contracting Company, LLC  
By:  Signature  
Title Pres / CEO  
Date: 10/4/12

First Tier  
Subcontractor if  
Applicable  
\_\_\_\_\_  
By: \_\_\_\_\_ Signature \_\_\_\_\_ Title  
Date: \_\_\_\_\_

Second Tier  
Subcontractor if  
Applicable

\_\_\_\_\_

By: \_\_\_\_\_  
Signature Title  
Date: \_\_\_\_\_

Third Tier  
Subcontractor if  
Applicable

\_\_\_\_\_

By: \_\_\_\_\_  
Signature Title  
Date: \_\_\_\_\_

DBE Contractor

D and W Fence, Incorporated

By: CN Smith/Shay  
Signature Title  
Date: pres  
03 Oct 2012

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
CERTIFICATION OF BINDING AGREEMENT  
WITH  
DISADVANTAGED BUSINESS ENTERPRISE FIRMS

Project No.: 6007-053-S96

Federal Project No.: STP-5A01(229)

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Contractors further jointly and severally represent that said binding agreement is for the performance of a "commercially useful function" as that term is employed in 49 C.F.R. Part 28.55 (c), (d).

**TO BE SIGNED BY THE SUBCONTRACTOR TO THE PRIME CONTRACTOR, AND ANY LOWER TIER  
SUBCONTRACTORS HAVING A CONTRACT WITH THE BELOW NAMED DBE FIRM**

Prime Contractor Shirley Contracting Company, LLC

By: 

Signature

President/CEO

Title

Date: 10/4/12

First Tier  
Subcontractor if  
Applicable

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

Signature

Title

Date: \_\_\_\_\_

Second Tier  
Subcontractor If  
Applicable

\_\_\_\_\_

By: \_\_\_\_\_  
Signature Title  
Date: \_\_\_\_\_

Third Tier  
Subcontractor If  
Applicable

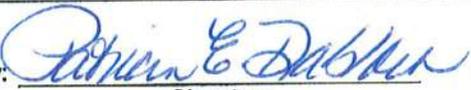
\_\_\_\_\_

By: \_\_\_\_\_  
Signature Title  
Date: \_\_\_\_\_

DBE Contractor

Diversified Property Services, Inc.

\_\_\_\_\_

By:   
Signature President  
Date: 10/3/2012  
Title

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
CERTIFICATION OF BINDING AGREEMENT  
WITH  
DISADVANTAGED BUSINESS ENTERPRISE FIRMS

Project No.: 6007-053-S96

Federal Project No.: STP-5A01(229)

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Contractors further jointly and severally represent that said binding agreement is for the performance of a "commercially useful function" as that term is employed in 49 C.F.R. Part 26.55 (c), (d).

**TO BE SIGNED BY THE SUBCONTRACTOR TO THE PRIME CONTRACTOR, AND ANY LOWER TIER  
SUBCONTRACTORS HAVING A CONTRACT WITH THE BELOW NAMED DBE FIRM**

Prime Contractor Shirley Contracting Company, LLC

By:  Signature  
Date: 10/4/12 Title: Pres / CEO

First Tier  
Subcontractor if  
Applicable

By: \_\_\_\_\_ Signature \_\_\_\_\_ Title \_\_\_\_\_  
Date: \_\_\_\_\_

Second Tier  
Subcontractor if  
Applicable

\_\_\_\_\_  
By: \_\_\_\_\_  
Signature Title  
Date: \_\_\_\_\_

Third Tier  
Subcontractor if  
Applicable

\_\_\_\_\_  
By: \_\_\_\_\_  
Signature Title  
Date: \_\_\_\_\_

DBE Contractor

*Custer Cleaning, Inc.*  
\_\_\_\_\_  
By: *[Signature]* \_\_\_\_\_  
Signature Title  
Date: *10/3/12* \_\_\_\_\_

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
**CERTIFICATION OF BINDING AGREEMENT**  
WITH  
**DISADVANTAGED BUSINESS ENTERPRISE FIRMS**

Project No.: 6007-053-S96

Federal Project No.: STP-5A01(229)

This form is to be submitted in accordance with the Department's Special Provision for Section 107.15.

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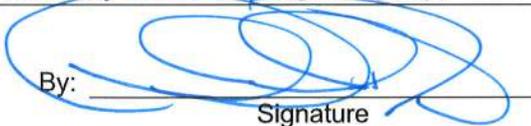
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**TO BE SIGNED BY THE SUBCONTRACTOR TO THE PRIME CONTRACTOR, AND ANY LOWER TIER  
SUBCONTRACTORS HAVING A CONTRACT WITH THE BELOW NAMED DBE FIRM**

Prime Contractor Shirley Contracting Company, LLC

By:   
Signature

President/CEO  
Title

Date: October 4, 2012

First Tier  
Subcontractor if  
Applicable

Dewberry Consultants LLC

By:   
Signature

Executive Vice President  
Title

Date: 10/2/12

Second Tier  
Subcontractor if  
Applicable

\_\_\_\_\_

By: \_\_\_\_\_  
Signature Title  
Date: \_\_\_\_\_

Third Tier  
Subcontractor if  
Applicable

\_\_\_\_\_

By: \_\_\_\_\_  
Signature Title  
Date: \_\_\_\_\_

DBE Contractor

GeoConcepts Engineering, Inc.  
\_\_\_\_\_

By:  \_\_\_\_\_  
Signature Title  
Date: 10/01/2012

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
CERTIFICATION OF BINDING AGREEMENT  
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DISADVANTAGED BUSINESS ENTERPRISE FIRMS

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It is hereby certified by the below signed Contractors that there exists a written quote, acceptable to the parties involved preliminary to a binding subcontract agreement stating the details concerning the work to be performed and the price which will be paid for the aforementioned work. This document is not intended to, nor should it be construed to, contain the entire text of the agreement between the contracting parties. This document does not take the place of, nor may it be substituted for, an official subcontracting agreement in those situations that may require such an agreement. A copy of the fully executed *subcontract agreement* shall be submitted to the Engineer within fourteen (14) business days after contract execution.

It is further certified that the aforementioned mutually acceptable quote and fully executed subcontract agreement represent the **entire agreement** between the parties involved and that no conversations, verbal agreements, or other forms of non-written representations shall serve to add to, delete, or modify the terms as stated.

The prime Contractor further represents that the aforementioned mutually acceptable quote and fully executed subcontract agreement shall remain on file for a period of not less than one year following completion of the prime's contract with the Department or for such longer period as provisions of governing Federal or State law or regulations may require. For purposes of this form, the term Prime Contractor shall refer to any Contractor utilizing a DBE subcontractor, regardless of tier, in which they are claiming DBE credit toward the contract goal.

Contractors further jointly and severally represent that said binding agreement is for the performance of a "commercially useful function" as that term is employed in 49 C.F.R. Part 26.55 (c), (d).

**TO BE SIGNED BY THE SUBCONTRACTOR TO THE PRIME CONTRACTOR, AND ANY LOWER TIER SUBCONTRACTORS HAVING A CONTRACT WITH THE BELOW NAMED DBE FIRM**

Prime Contractor Shirley Contracting Company, LLC  
By:  Signature  
Date: 10/4/12.  
Title: Pres / CEO

First Tier Subcontractor if Applicable \_\_\_\_\_  
By: \_\_\_\_\_ Signature \_\_\_\_\_ Title \_\_\_\_\_  
Date: \_\_\_\_\_

Second Tier  
Subcontractor if  
Applicable

\_\_\_\_\_

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

\_\_\_\_\_ Title

Date: \_\_\_\_\_

Third Tier  
Subcontractor if  
Applicable

\_\_\_\_\_

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

\_\_\_\_\_ Title

Date: \_\_\_\_\_

DBE Contractor

TAVARES CONCRETE COMPANY, INC.

By: [Signature]  
Signature

PRESIDENT  
Title

Date: 10/2/12

RESPONSE TO REQUEST FOR PROPOSALS

# SYCOLIN ROAD OVERPASS OF THE ROUTE 7/15 BYPASS IN LEESBURG

A DESIGN-BUILD PROJECT  
LOUDOUN COUNTY, VIRGINIA

POST NOTICE OF INTENT TO AWARD SUBMITTALS



State Project No.: 6007-053-S96

Federal Project No.: STP-5A01(229)

Contract ID Number: C00099256DB53

Submitted To:



Submitted By:



In Association With:



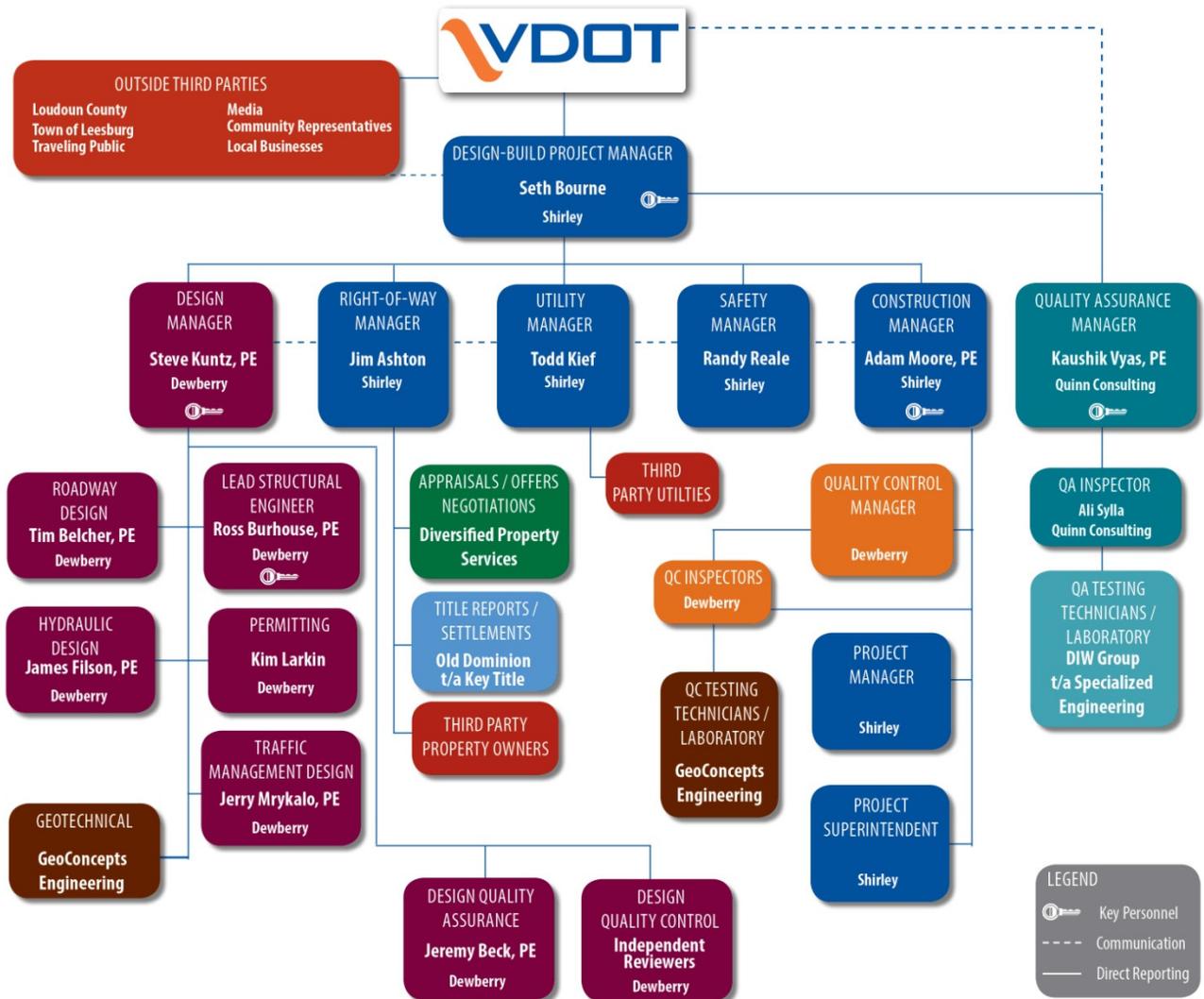


## 4.4 POST NOTICE OF INTENT TO AWARD SUBMITTAL

### 4.4.1 Organizational Chart

Based on our previous design-build experiences, our Team has developed detailed and proven procedures and methods for integrating the various disciplines, as well as communicating and working effectively together. At a minimum, we will hold weekly Design Coordination Meetings, weekly Progress Meetings with the Department, and weekly Construction Progress Meetings on the jobsite. We value our excellent relationship with the public, local residents and businesses and we have seen firsthand how effectively communicating with stakeholders can lead to positive results. Decision-making and issue resolution will reside at the lowest, most direct level on the Shirley Team in order to facilitate the quickest response with minimal disruption to the Project. Should issue resolution not be possible at that particular level, the issue then flows up the chain of command to the next level, and so on, until the issue is resolved. From the beginning stages of project development, this chain of command is established and clearly communicated to all Team members.

The Shirley Team’s Organizational Chart for the Project is described narratively and graphically on the following pages. The “chain of command” is depicted on the chart by solid lines, which represent the primary reporting relationships. Dashed lines represent communication relationships between the major project disciplines and participants.



## Major Roles, Responsibility and Reporting of Our Team Members (\* Denotes Key Personnel):

**VDOT:** As the Owner, VDOT will maintain oversight responsibility for all aspects of the Project to ensure compliance with the Contract Documents and to take final acceptance when complete. We anticipate that VDOT will also want to be the primary liaison between certain outside third-party stakeholders and the Project Team.

**\*Design-Build Project Manager (Seth Bourne):** The Design-Build Project Manager (D/B PM) will have full and complete authority over all aspects of the Shirley Team's responsibilities. In addition to being the primary point of contact with VDOT after award of the Project, the D/B PM has ultimate responsibility for contract management and to coordinate and integrate the various project disciplines successfully, including design, construction, QA/QC, right-of-way, utilities, permitting, and safety. The D/B PM will also support the teams' and VDOT's efforts to communicate with certain third-party stakeholders.

**\*Quality Assurance Manager (Kaushik Vyas, PE):** In this Key Personnel role the Quality Assurance Manager (QAM) reports directly to the D/B PM and is completely independent from the construction operations and QC inspections. The QAM has full responsibility for assuring that the Project is in compliance with the Contract Documents, manages all aspects of the QA program, and will direct the QA inspections by the QA inspector and independent QA testing technicians from Specialized Engineering, Inc. This position is unique in that the QAM has the autonomy to report findings directly to VDOT in addition to the D/B PM, and if the work is not in compliance with the Contract Documents, he has the authority to unilaterally halt or suspend the work and the responsibility to assure corrective action is taken before the work is accepted and certified for payment.

**\*Design Manager (Steve Kuntz, PE):** Reporting to the D/B PM, this Key Personnel position has overall responsibility for management of all aspects of the design process including roadway, structural, hydraulic, permitting, traffic, and geotechnical. Of vital importance is the Design Manager's role in integrating the various design disciplines with the construction, right-of-way, utility, and safety elements. In addition, the Design Manager will establish and oversee the Design QA/QC program. The Design Manager will ensure that the design QA and QC functions shall be exclusively designated as such and shall not be assigned to perform conflicting duties or production work, as outlined in the updated version (January 2012) of the *Minimum Requirements for Quality Assurance and Quality Control on Design-Build and P3 Projects*.

**\*Construction Manager (Adam Moore):** Reporting to the D/B PM, this Key Personnel position is responsible for managing all aspects of project construction and the Quality Control process. Prior to construction commencing, the Construction Manager will facilitate all constructability reviews for each aspect of the design, work closely with the Utility Manager to plan for necessary relocations, and coordinate with the ROW Manager to prioritize and schedule the acquisition process. During construction, he will be on site at all times, and will maintain the project schedule, coordinate with the QC Manager, Project Manager, and Superintendent to ensure all construction materials and activities are in accordance with the Contract Documents. The Construction Manager will communicate with the Design Manager to arrange for design engineer's review of construction activities through the witness and hold points.

**\*Lead Structural Engineer (Ross Burhouse, PE):** Reporting directly to the Design Manager, this Key Personnel position is responsible for the structural design of the bridges and retaining walls on the Project. Additional responsibilities include reviewing structural designs, verification of modifications to designs, reviewing structural RFI's and shop drawings, and the preparation of load ratings for VDOT project acceptance.

**Design QA (Jeremy Beck, PE):** This position will report directly to the Design Manager to lead the Design QA efforts and will not be involved in the design production or QC efforts for the Project. Following completion of the Design QC reviews and prior to submission to the Department, this individual will complete a QA review of each design document.

**Design QC:** For each design discipline the Design Manager will assign a qualified independent QC reviewer, who is not involved in the production of the design document, to complete a detailed QC review to ensure technical accuracy and conformance with the contract requirements.

**Right-of-Way Manager (Jim Ashton):** Reporting to the D/B PM, the Right-of-Way (ROW) Manager will manage the process to acquire all right-of-way and easements needed to construct the Project. Reporting to the ROW Manager will be the VDOT Prequalified sub-consultants performing appraisals, appraisal reviews, title reports, offers, negotiations, and settlements. The ROW Manager will facilitate communication with the affected landowners and will at all times maintain the status of the process for VDOT. The ROW Manager will coordinate closely with the Design, Utility, and Construction disciplines.

**Utility Manager (Todd Kief):** The Utility Manager plays a vital role in achieving completion of the Project on time and within budget. Reporting to the D/B PM, the Utility Manager will actively coordinate existing and proposed utilities with the Design, Right-of-Way, Safety, and Construction Management disciplines. He will serve as the liaison with each utility company to ensure that utilities are integrated into the Project. Working with the Design Team, the Utility Manager's first priority is to avoid relocations. If not possible, the focus will be to minimize these relocations to the greatest extent practical. When relocations are unavoidable, he will ensure that they are coordinated with construction and completed within schedule.

**Safety Manager (Randy Reale):** Reporting to the D/B PM, the Safety Manager will review the plans and all field activities to provide a safe environment for VDOT, the construction workers, and the traveling public. The Safety Manager will train and inform those engaged on the Project of specific safety hazards and will enforce all aspects of applicable industry safety standards, Shirley's Corporate Safety Policy and the Project's Health, Safety and Welfare Plan. Working closely with the Construction Manager, the Safety Manager will monitor the field activities and crews and has full and complete authority to halt or suspend any activity not in compliance with the applicable safety standards.



ATTACHMENT 4.4.2  
KEY PERSONNEL RESUME FORM

<b>Brief Resume of Key Personnel anticipated for the Project.</b>
a. Name & Title: <b>Seth. C Bourne, Assistant Project Manager</b>
b. Project Assignment: <b>Design-Build Project Manager</b>
c. Name of Firm with which you are now associated: <b>Shirley Contracting Company, LLC</b>
d. Years experience: With this Firm <b>3</b> Years With Other Firms <b>7</b> Years Please list chronologically (most recent experience first) your employment history, position and general experience or fields of practice for the last fifteen (15) years. <b>Shirley Contracting Company, LLC</b> <b>Assistant Project Manager (November 2009 - Present)</b> <ul style="list-style-type: none"><li>• <b>Route 27 and 244 Interchange</b>, July 2011 to Present – Responsible for assisting in the management of the Shirley/Dewberry Team and the management of the acquisition of Right of Way for the \$31.5 million design-build project</li><li>• <b>Pacific Boulevard Extension</b>, June 2011 to Present – Responsible for assisting in the management of the Shirley/Dewberry Team and the management of the acquisition of Right of Way for the \$5 million design-build project.</li><li>• <b>Route 50 Widening (Poland Road to Lee Road)</b>, March 2011 to Present – Responsible for assisting in the management of the Shirley/Dewberry Team and the management of the acquisition of Right of Way for the \$68 million design-build project.</li><li>• <b>Prince William County PPTA (University Boulevard and Hornbaker Road)</b>, February 2011 to Present - Responsible for assisting in the management of the design and management of the acquisition of Right of Way for the \$28 million PPTA project.</li><li>• <b>Spotsylvania County PPTA (7 Intersections)</b>, November 2009 to Present – Design Build Project Manager/Right of Way Manager responsible for managing the Shirley/Dewberry/Diversified Property Services Team for the \$18 million County project.</li><li>• <b>I-95 4<sup>th</sup> Lane Widening</b>, November 2009 to July 2010 – Assistant Project Manager responsible for assisting in the management of the Shirley Construction Team for the \$92 million VDOT Mega Project.</li></ul> <b>Rappahannock Construction Company, Inc.</b> <b>Senior Project Manager (January 2005 - November 2009)</b> <ul style="list-style-type: none"><li>• <b>Walmart Supercenter</b>, September 2008 to November 2009, Senior Project/Field Operations Manager responsible for construction of the \$5.79 million site work and Route 17 roadway improvements for the new Walmart in Stafford County.</li><li>• <b>East Rockingham High School &amp; Riverbend Elementary School</b>, February 2008 to November 2009, Senior Project/Field Operations Manager responsible for construction of the \$9 million site work and roadway improvements for the High School/Elementary School Campus in Rockingham County, including improvements to existing Rockingham Pike and Route 33.</li><li>• <b>Rocky Run Gravity Sewer</b>, October 2008 to August 2009, Senior Project/Field Operations Manager responsible for construction of the \$3 million, 10,000 linear foot sanitary sewer trunk system including six stream crossings.</li><li>• <b>Hospital Road (City of Petersburg Transportation)</b>, September 2007 to July 2008, Senior Project/Field Operations Manager responsible for the \$8.8 million construction of an 8,300 linear foot four lane road on a new alignment including signals, sanitary sewer and water mains.</li><li>• <b>Rockingham Memorial Hospital Utilities</b>, May 2007 to February 2008, Senior Project/Field Operations Manager responsible for construction of \$3.1 million in utility improvements including sanitary sewer, water main, and storm sewer to serve the new 300 Bed Hospital in Rockingham County.</li><li>• <b>Spotsylvania County Fleet Maintenance Facility</b>, May 2007 to February 2008, Senior Project/Field Operations Manager responsible for \$3.3 million construction of the new 25 Acre Fleet Management Facility for Spotsylvania County.</li><li>• <b>Potomac Landing Section III</b>, February 2007 to September 2007, Senior Project/Field Operations Manager responsible for the \$1.2 million construction of the new ditch section subdivision in King George County including installation of deep utilities.</li></ul> <b>Segmental Wall Specialists</b> <b>Senior Project Manager/Superintendent (April 2003 - December 2004)</b> <ul style="list-style-type: none"><li>• <b>Various Projects</b> - Senior Project Manager/Superintendent responsible for estimating, contracting, construction, completion, and close out of multiple installations of Segmental Walls from Northern Pennsylvania to North Carolina.</li></ul> <b>S.W. Rogers</b>

ATTACHMENT 4.4.2  
KEY PERSONNEL RESUME FORM

<b>Estimator (June 2002 - April 2003)</b> <ul style="list-style-type: none"><li><b>Various Projects</b> - Estimator responsible for take offs and estimates for multiple residential and transportation projects in Northern Virginia.</li></ul>
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization: <b>Randolph Macon College, Ashland, VA - BA, 2002 Business and Economics</b>
f. Active Registration: Year First Registered/ Discipline/VA Registration #: <b>None</b>
g. Document the extent and depth of your experience and qualifications relevant to the Project. <ol style="list-style-type: none"><li><i>Note your specific responsibilities and authorities for each assignment, not those of the firm.</i></li><li><i>Note whether experience is with current firm or with other firm.</i></li><li><i>Provide beginning and end dates for each assignment.</i></li></ol> <p><b>(List at least three (3), but no more than five (5) relevant projects for which you have performed a similar function.)</b></p> <p><b>1. Pacific Boulevard Extension Design-Build Project</b> <b>Assistant Project Manager (June 2011 – Present)</b> Mr. Bourne is responsible for assisting in the management and direction of the discipline managers for the overall design-build process including design, permitting, utility relocations, and construction for this \$5 million design-build project which extends from Relocation Drive to Dresden Street in Loudoun County, Virginia. Mr. Bourne was also responsible for the management and administration of the acquisition of all Right of Way for nine parcels impacted by this project. Mr. Bourne is one of the main points of contact for the Shirley/Dewberry Team and is responsible for communication and coordination with the VDOT, permitting agencies, impacted property owners, and other stakeholders on the project. He developed the CPM schedule and continues to monitor progress on the project. In cooperation with VDOT, Mr. Bourne coordinated the dedication Right of Way and easements from five parcels at no cost to VDOT.</p> <p><b>2. Route 50 Widening Project</b> <b>Assistant Project Manager (March 2011 - Present)</b> Mr. Bourne was the assistant project manager responsible for portions of leadership for the Shirley/Dewberry Team through all phases of the design-build process including design, permitting, ROW acquisition, utility relocations and construction. Mr. Bourne continues to coordinate with stakeholders including VDOT, local land owners, developers, and Fairfax and Loudoun Counties. Mr. Bourne is responsible for the management and administration of the acquisition of Right of Way from the 64 impacted properties in both Fairfax and Loudoun Counties. Mr. Bourne works directly with VDOT Special Projects Leader, VDOT Central Office, Diversified Property Services, the respective property owners, and the local zoning and planning offices to expeditiously acquire the necessary land rights. Mr. Bourne coordinates with all parties to address property owner concerns and minimize property impacts. Mr. Bourne, along with along with Mr. Todd Kief as Utility Coordinator and Mr. Rick Meyer as Construction Manager, worked together to schedule and prioritize the acquisition of the right of way in order expedite the relocation of utilities and minimize the impact of right-of-way and utility relocations on the construction schedule.</p> <p><b>3. Prince William County PPTA</b> <b>Assistant Project Manager (February 2011 - Present)</b> Mr. Bourne was the Assistant Project Manager responsible for portions of leadership for the Shirley/Dewberry Team through all phases of the Design-Build process including design, permitting, ROW acquisition, utility relocations and construction. Mr. Bourne coordinates with project stakeholders including VDOT, local land owners, developers, and Prince William County. Mr. Bourne was responsible for the management and administration of the acquisition of all necessary Right of Way from the 40 impacted properties along Hornbaker Road and University Boulevard. Mr. Bourne worked directly with Mr. Scott Hatten of Prince William County Transportation/Right of Way, Diversified Property Services, the respective property owners, and the local zoning and planning offices to acquire the necessary land rights. Mr. Bourne coordinates with all parties to address property owner concerns and minimize property impacts. Mr. Bourne's efforts and coordination with Prince William County, and Williams-Transco Gas Company worked to devise an installation plan for work that was to take place over the Williams-Transco Gas Line Easement such that the proposed bridge to span the Gas Easement was eliminated saving the County approximately \$500,000.00.</p>

ATTACHMENT 4.4.2  
KEY PERSONNEL RESUME FORM

<b>Brief Resume of Key Personnel anticipated for the Project.</b>	
a. Name & Title:	<b>Steven Kuntz, PE, DBIA, Senior Associate</b>
b. Project Assignment:	<b>Design Manager, Design QA/QC</b>
c. Name of Firm with which you are now associated:	<b>Dewberry &amp; Davis LLC</b>
d. Years experience: With this Firm <b>13.5</b> Years With Other Firms <b>0</b> Years Please list chronologically (most recent experience first) your employment history, position and general experience or fields of practice for the last fifteen (15) years.	<p><b>Dewberry &amp; Davis LLC</b></p> <p><b>June 1999 to Present</b></p> <ul style="list-style-type: none"> <li>• July 2011 to Present – Client: VDOT. Roadway Design lead for the <b>Route 27/244 Interchange Modification</b> project in Arlington County for the Shirley Design-Build team.</li> <li>• February 2011 to Present – Client: VDOT. Roadway Design Lead for the <b>Route 50 Widening</b> project in Fairfax and Loudoun Counties for the Shirley Design-Build team.</li> <li>• February 2010 to October 2010 – Client: VDOT. Design Manager for the <b>Waxpool Road/Loudoun County Parkway Intersection Improvements</b> for the Shirley Design-Build team.</li> <li>• October 2009 to Present – Client: FHWA. Design Manager for the <b>Fairfax County Parkway Phase III Improvements Project</b> for the Shirley Design-Build team.</li> <li>• July 2008 to Present – Client: VDOT. Highway Design Engineer for the <b>Pacific Boulevard Design-Build Project</b>, for the Shirley Design-Build team.</li> <li>• February 2008 to Present – Client: MDSHA. “Area E” Roadway Design Manager for <b>Intercounty Connector (ICC) Contract C</b> for the Shirley Design-Build team.</li> <li>• February 2008 to Present – Client: Loudoun County. Project Manager for the design of the <b>Route 7/659 Interchange</b>.</li> <li>• July 2007 to September 2009 – Client: VDOT. Highway Design Engineer for the <b>Battlefield Parkway Design-Build Project</b> as part of the Shirley Design-Build team.</li> <li>• March 2005 to September 2007 – Client: TRIP II. Assistant Design Project Manager for the <b>Dulles Greenway Capital Improvements Program</b> for the Shirley Design-Build team.</li> <li>• September 2002 to Present – Client: VDOT. Assistant Design Manager for the <b>Route 28 Corridor Improvements Project</b> as part of the Shirley Design-Build team</li> <li>• June 1999 to Present – Client: VDOT. Project Manager for the design of the <b>Route 29/Linton Hall Road Interchange</b>.</li> <li>• June 1999 to April 2006 – Client: VDOT. Assistant Project Manager for the design of the <b>I-66 Mainline Widening Project from Route 234 Business to Route 29 (Gainesville)</b></li> </ul>
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization:	<b>Virginia Polytechnic Institute and State University, Blacksburg, VA / BS / 1999 / Civil Engineering</b>
f. Active Registration: Year First Registered/ Discipline/VA Registration #:	<ul style="list-style-type: none"> <li>• <b>Professional Engineer / 2004 / Virginia #0402 039440</b></li> <li>• <b>Professional Engineer / 2008 / Maryland #36172</b></li> <li>• <b>Design Build Institute of America (DBIA) / 2010</b></li> </ul>

**ATTACHMENT 4.4.2**  
**KEY PERSONNEL RESUME FORM**

- g. Document the extent and depth of your experience and qualifications relevant to the Project.
1. *Note your specific responsibilities and authorities for each assignment, not those of the firm.*
  2. *Note whether experience is with current firm or with other firm.*
  3. *Provide beginning and end dates for each assignment.*

**(List at least three (3), but no more than five (5) relevant projects for which you have performed a similar function.)**

**1. Fairfax County Parkway Phase III Improvements - Fairfax County, VA**

**Dewberry, Design Manager (October 2009 – Present)**

Mr. Kuntz is currently serving as the Design Manager for this \$22 million design-build project with Shirley Contracting under contract to the Federal Highway Administration, Eastern Federal Lands Highway Division (EFLHD). He is responsible for overseeing all aspects of design and for coordination of multiple subconsultants, as well as implementing and monitoring the design QA/QC process. Design elements included modifications to the existing Fairfax County Parkway/Franconia-Springfield Parkway/Rolling Road Interchange, widening of approximately 0.8 miles of Rolling Road (to become Fairfax County Parkway), relocation of Rolling Road and Hooes Road, a new bridge to carry Rolling Road over the Fairfax County Parkway, and a new park and ride lot at the Barta Road interchange at the southern end of the Phase III improvements. Mr. Kuntz attended weekly meetings with the contractor to discuss design issues and progress, as well as to coordinate with construction staff, and continues to attend coordination meetings as the project nears completion.

**Owner Contact:** Eastern Federal Lands Highway Division, 21400 Ridgetop Circle, Sterling, VA 20166, Mr. Robert Morris, (703) 404-6302

**2. Route 28 Corridor Improvements Project - Fairfax and Loudoun Counties, VA**

**Dewberry, Assistant Design Manager (September 2002 - Present)**

Mr. Kuntz helped to oversee the design of ten (10) interchanges along Route 28, resulting in creation of a limited access highway between Westfields Blvd. in Fairfax County and Route 7 in Loudoun County as part of this \$342 million PPTA project. Mr. Kuntz was responsible for completion of conceptual interchange configurations for four (4) of the interchanges (Willard Road, Frying Pan Road, Innovation Avenue, and Nokes Boulevard) and for final design of six (6) of the ten interchanges, including the Innovation Avenue, Sterling Boulevard, and Nokes Boulevard Interchanges in Loudoun County and the Westfields Boulevard, Willard Road, and Barnsfield Road Interchanges in Fairfax County. As part of the final design efforts, Mr. Kuntz coordinated the design of each of the interchange bridges, stormwater management facilities, and utility relocation designs, and oversaw the design of all aspects of horizontal and vertical geometric design, drainage design, lighting design, signing and marking design and maintenance of traffic plans. He also helped to prepare cost estimates for additional work added to the PPTA contract including Atlantic Boulevard north of Church Road, Pacific Boulevard north of Sterling Boulevard, and Centreville Road north of Route 50.

**Owner Contact:** VDOT – Northern Virginia District, 4975 Alliance Drive, Fairfax, VA 22030, Ms. Susan Shaw, PE, (703) 259-1995

**3. Pacific Boulevard Design-Build Project - Loudoun County, VA**

**Dewberry, Highway Design Engineer (July 2008 - Present)**

Mr. Kuntz is the Highway Design Engineer for the Shirley/Dewberry Team for this \$19 million design-build project for VDOT which extends Pacific Boulevard from Auto World Circle to Severn Way in Loudoun County. His responsibilities included overseeing all aspects of roadway design and plan completion, and for coordinating design efforts with the bridge, stormwater management, utility relocation and landscaping design disciplines. During design, Mr. Kuntz attended weekly coordination meetings with the Contractor and VDOT, and was responsible for all plan submissions to VDOT, the Northern Virginia Regional Park Authority (since the design included a bridge over the W&OD Trail), and the utility companies. Mr. Kuntz also attended coordination meetings with the impacted landowners, and led the design efforts to revise the design to include ultimate turn lane improvements, which resulted in the dedication of right-of-way to VDOT for a majority of the project. Now in the construction phase, Mr. Kuntz works with the contractor's staff to answer field questions and RFI's.

**Owner Contact:** VDOT – Northern Virginia District, 4975 Alliance Drive, Fairfax, VA 22030, Ms. Christiana Briganti-Dunn, PE, (703) 259-2960

**4. Battlefield Parkway Design-Build Project - Loudoun County, VA**

**Dewberry, Highway Design Engineer (July 2007 - September 2009)**

As the Highway Design Engineer for the Shirley/Dewberry Team for this \$26.5 million design-build project for VDOT, Mr. Kuntz was responsible for overseeing the roadway design effort to extend Battlefield Parkway from Kincaid Boulevard to Route 7. His responsibilities included overseeing all aspects of roadway design and plan completion, and for coordinating design efforts with the

**ATTACHMENT 4.4.2**  
**KEY PERSONNEL RESUME FORM**

bridge, stormwater management, lighting and landscaping design disciplines. Mr. Kuntz attended weekly coordination meetings with the Contractor and VDOT, and was responsible for all plan submissions to VDOT, the Town of Leesburg, and the Northern Virginia Regional Park Authority (since the design included a bridge over the W&OD Trail).

**Owner Contact:** VDOT – Northern Virginia District, 4975 Alliance Drive, Fairfax, VA 22030, Ms. Susan Shaw, PE, (703) 259-1995

**5. Route 29/Linton Hall Interchange and Railroad Grade Separation - Prince William County, VA  
Dewberry, Project Manager for Design (June 1999 - Present)**

Beginning as a Project Engineer and continuing through being named the Project Manager in late 2008, Mr. Kuntz has worked on the design of the phased improvements to construct a single point urban interchange (SPUI) and railroad grade separation at the existing Route 29 intersection with Linton Hall Road. As Project Engineer, Mr. Kuntz was responsible for all elements of roadway design including horizontal and vertical geometry, drainage design, and maintenance of traffic and detour designs in preparation for phased right-of-way plan approvals in 2007 and 2008. As Project Manager, Mr. Kuntz oversaw the completion of the roadway plans and coordinated the design with the four (4) bridge plan packages in preparation for a December 2010 advertisement. He has served as the single point of contact for VDOT for the completion of parcel demolition plans (phase 1 completed in 2009), advance detour construction plans (advertised in October 2009), and a second parcel demolition contract which has been approved for advertisement in March 2010. He also attends monthly coordination meetings with VDOT project staff, coordinated with the in-plan utility relocations engineer (completed under separate contract to VDOT Central Office), provides design support to the VDOT right-of-way division as they continue to acquire the remainder of the impacted parcels, and works with VDOT Central Office in coordination efforts with Norfolk Southern Railroad.

**Owner Contact:** VDOT – Northern Virginia District, 4975 Alliance Drive, Fairfax, VA 22030, Mr. Amir Salahshoor, PE, (703) 259-1957

ATTACHMENT 4.4.2  
KEY PERSONNEL RESUME FORM

<b>Brief Resume of Key Personnel anticipated for the Project.</b>	
a.	Name & Title: <b>J. Ross Burhouse III, PE, Project Engineer</b>
b.	Project Assignment: <b>Lead Structural Engineer</b>
c.	Name of Firm with which you are now associated: <b>Dewberry &amp; Davis LLC</b>
d.	Years experience: With this Firm <b>11</b> Years With Other Firms <b>5</b> Years Please list chronologically (most recent experience first) your employment history, position and general experience or fields of practice for the last fifteen (15) years. <b>Dewberry &amp; Davis LLC</b> <b>January 2002 - Present</b> <ul style="list-style-type: none"> <li>• <b>Route 720 over I-81 Bridge Replacement</b>, November 2011 - Present, Bridge Design Team Leader</li> <li>• <b>Intercounty Connector (ICC) Contract D/E</b>, March 2012 - September 2012, Senior Bridge Engineer</li> <li>• <b>I-295 / I-76 Direct Connection Project (NJ)</b>, February 2011 - August 2012, Lead Bridge Engineer</li> <li>• <b>NB Route 29 over Tye River Bridge Replacement</b>, May 2010 - March 2012, Lead Bridge Engineer</li> <li>• <b>Dulles Corridor Metrorail Project</b>, January 2005 - April 2010, Lead Bridge Engineer</li> <li>• <b>Gloucester Parkway over Beaverdam Run</b>, August 2006 - July 2007, Lead Bridge Engineer</li> <li>• <b>Pentagon Secure Bypass</b>, February 2003 - July 2003, Structural Engineer</li> <li>• <b>Route 28 Corridor Improvements Project</b>, October 2002 - November 2003, Structural Engineer</li> <li>• <b>I-95/Telegraph Road Interchange Project</b>, January 2002 - June 2007, Structural Engineer</li> </ul> <b>Bridge Engineering Software &amp; Technology Center, University of Maryland</b> <b>August 2000 - December 2001</b> <ul style="list-style-type: none"> <li>• <b>Maryland SHA Study: Vehicle Collisions with Highway Bridges</b>, Graduate Research Assistant</li> </ul> <b>Parsons Transportation Group</b> <b>June 1996 - July 2000</b> <ul style="list-style-type: none"> <li>• <b>Woodrow Wilson Bridge Replacement</b>, May 1999 - July 2000, Structural Engineer</li> <li>• <b>Thousand Islands Bridge Rehabilitation (NY/Ontario)</b>, September 1998 - May 1999, Structural Engineer</li> <li>• <b>Carquinez Bridge Replacement (Vallejo, CA)</b>, July 1998 - January 1999, Structural Engineer</li> <li>• <b>Tagus River Bridge Rehabilitation (Lisbon, Portugal)</b>, June 1996 - July 1998, Structural Engineer</li> </ul>
e.	Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization: <b>MS / 2001 / Civil Engineering</b> <b>BS / 1996 / Civil Engineering</b>
f.	Active Registration: Year First Registered/ Discipline/VA Registration #: <b>• 2002 / Professional Engineer / VA #0402037078</b>
g.	Document the extent and depth of your experience and qualifications relevant to the Project. <ol style="list-style-type: none"> <li>1. <i>Note your specific responsibilities and authorities for each assignment, not those of the firm.</i></li> <li>2. <i>Note whether experience is with current firm or with other firm.</i></li> <li>3. <i>Provide beginning and end dates for each assignment.</i></li> </ol> <p><b>(List at least three (3), but no more than five (5) relevant projects for which you have performed a similar function.)</b></p> <p><b>1. Intercounty Connector (ICC) Contract D/E</b>  <b>Dewberry, Senior Bridge Engineer (March 2012 – September 2012)</b>  On this design-build project to complete the eastern-most segment of the ICC, Mr. Burhouse was responsible for the structural design of a 240 foot long, two-span haunched steel plate girder bridge. The piers and abutments are cast-in-place concrete and are founded on spread footings. Responsibilities included checking the design calculations and drawings for the girders, piers and abutments.  <b>Owner Contact:</b> Maryland Transportation Authority, 11710 Beltsville Drive, Suite 200, Beltsville, MD 20705, Mr. Mark Coblentz, (301)586-9267</p> <p><b>2. NB Route 29 over Tye River Bridge Replacement</b></p>

**ATTACHMENT 4.4.2**  
**KEY PERSONNEL RESUME FORM**

**Dewberry, Lead Bridge Engineer (May 2010 – March 2012)**

As Lead Bridge Engineer on this design-build project which replaced an aging and structurally deficient bridge over the Tye River, Mr. Burhouse was responsible for structural design of this 645 foot long, five-span prestressed concrete beam bridge. The piers are tall cast-in-place concrete hammerheads supported on spread footings. One cast-in-place concrete abutment is supported on driven H-piles and the other is supported on a spread footing. Additional design elements included coordination with the roadway design, hydraulic and scour analysis, and geotechnical investigation. Also responsible for the coordination and review of shop drawings and answering contractor RFI's during construction.

**Owner Contact:** VDOT – Lynchburg District, 4219 Campbell Avenue, Lynchburg, VA 24501, Mr. Frank Lukanich, III, PE, (434) 856-8279

**3. Dulles Corridor Metrorail Project**

**Dewberry, Lead Bridge Engineer (January 2005 - April 2010)**

Mr. Burhouse was the Lead Bridge Engineer for a 2000 foot long section of aerial guideway as part of this design-build project extending the Washington Metrorail system toward Dulles Airport. He was responsible for the design of multiple curved steel plate-girder spans and prestressed concrete box girder spans, as well as cast-in-place concrete piers founded on drilled shafts, and cast-in-place concrete abutments founded on driven H-piles. Responsibilities included coordinating the structural design with the trackwork, traction power / train control systems, drainage and roadway disciplines. Also responsible for the review of shop drawings and addressing field changes during construction.

**Client Contact:** Dulles Transit Partners LLC, 1595 Spring Hill Road, Suite 600, Vienna, VA 22182, Mr. John Rudolf, PE, (703) 852-5905

**4. I-95/Telegraph Road Interchange Project**

**Dewberry, Structural Engineer (January 2002 - June 2007)**

Beginning as a design engineer thru serving as a Project Engineer starting in late 2006, Mr. Burhouse was responsible for the structural design of three bridges on this project. He designed the superstructure for a 1600 foot long, twelve-span curved steel plate girder bridge, which included splayed girders for a bifurcated ramp. Mr. Burhouse was also responsible for leading the structural design of two single-span, steel plate girder bridges with full integral abutments behind Mechanically Stabilized Earth (MSE) walls. These bridges were designed to be fully integral at VDOT request despite falling outside current guidelines with span lengths in excess of 160 feet.

**Owner Contact:** VDOT – Woodrow Wilson Bridge GEC, 2901 Eisenhower Avenue, Alexandria, VA 22314, Mr. John Lynch, PE, (703)329-0300

**5. Route 28 Corridor Improvements Project**

**Dewberry, Structural Engineer (October 2002 - November 2003)**

Mr. Burhouse's responsibilities on this design-build project included superstructure design of a 985 foot long, six-span continuous curved steel plate girder bridge, which required the design of three integral steel pier caps due to limited space available for conventional piers. Mr. Burhouse also designed the abutments which consist of cast-in-place concrete pile caps behind MSE walls.

**Owner Contact:** VDOT – Northern Virginia District, 4975 Alliance Drive, Fairfax, VA 22030, Ms. Susan Shaw, PE, (703)259-1995

ATTACHMENT 4.4.2  
KEY PERSONNEL RESUME FORM

<b>Brief Resume of Key Personnel anticipated for the Project.</b>	
a. Name & Title:	<b>Adam Moore, P.E. , Assistant Project Manager</b>
b. Project Assignment:	<b>Construction Manager</b>
c. Name of Firm with which you are now associated:	<b>Shirley Contracting Company, LLC</b>
d. Years experience: With this Firm <b>4</b> Years With Other Firms <b>0</b> Years Please list chronologically (most recent experience first) your employment history, position and general experience or fields of practice for the last fifteen (15) years.	<p><b>Shirley Contracting Company, LLC</b> <b>March 2009 - Present</b></p> <ul style="list-style-type: none"> <li>• July 2011 to Present – Client: Dulles World Green LLC. Assistant Project Manager for construction of the <b>Innovation Avenue Interchange, Phase II</b> project in Dulles, VA, as part of the Shirley/Dewberry Design Build Team.</li> <li>• August 2011 to June 2012 – Client: Orbital Sciences Corporation. Assistant Project Manager for construction of the <b>Warp Drive</b> project in Sterling, VA, as part of the Shirley/Dewberry Design Build Team.</li> <li>• July 2011 to June 2012 – Client: VDOT. Assistant Project Manager for construction of the <b>Atlantic Boulevard Extension</b> project in Sterling, VA, as part of the Shirley/Dewberry Design Build Team.</li> <li>• May 2011 to October 2011 – Client: Willowsford, LLC. Assistant Project Manager for construction of the <b>Grange Truss Bridge</b> project in Arcola, VA.</li> <li>• November 2010 to June 2011 – Client: VDOT. Project Engineer for construction of the <b>Fairfax County Parkway and Fair Lakes Parkway Interchange</b> project in Centreville, VA.</li> <li>• March 2009 to November 2010 – Client: VDOT. Project Engineer for construction of the <b>I-66 and Route 29 Interchange</b> project in Gainesville, VA.</li> </ul>
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization:	<b>University of Virginia, Charlottesville, VA / 2008 / Civil Engineering</b>
f. Active Registration: Year First Registered/ Discipline/VA Registration #:	<ul style="list-style-type: none"> <li>• <b>2012/Virginia Professional Engineer License (PE)/0402050075</b></li> <li>• <b>2012/DCR Erosion and Sediment Control Responsible Land Disturber (RLD)/38479</b></li> <li>• <b>2011/VDOT Erosion and Sediment Control Contractor Certification (ESCCC)/5925C</b></li> </ul>
g. Document the extent and depth of your experience and qualifications relevant to the Project.	<ol style="list-style-type: none"> <li>1. <i>Note your specific responsibilities and authorities for each assignment, not those of the firm.</i></li> <li>2. <i>Note whether experience is with current firm or with other firm.</i></li> <li>3. <i>Provide beginning and end dates for each assignment.</i></li> </ol> <p><b>(List at least three (3), but no more than five (5) relevant projects for which you have performed a similar function.)</b></p> <p><b>1. Innovation Avenue Interchange, Phase II Project</b> <b>Shirley Contracting Company, LLC (July 2011 – Present)</b> As the Construction Manager for the design-build team, Mr. Moore is responsible for coordination of utility relocation work and oversight of construction in accordance with the approved contract plans. Mr. Moore conducts regular progress and jobsite safety meetings, prepares/obtains and reviews required materials. Mr. Moore is responsible for the daily scheduling of work activities including Shirley’s personnel and subcontractors, material deliveries, rental equipment and trucks. He is also responsible for coordinating with the Project’s Quality Control staff to ensure that all construction materials and activities are inspected and tested in accordance with the approved QA/QC plan. The overall scope of the project includes two (2) limited access interchange ramps, approximately one (1) mile of widening on Southbound Route 28, two (2) stormwater management ponds, and one (1) bridge.</p> <p><b>2. Atlantic Boulevard Extension</b> <b>Shirley Contracting Company, LLC (July 2011 - June 2012)</b> As the Construction Manager for the design-build team, Mr. Moore is responsible for coordination of utility relocation work and oversight of construction in accordance with the approved contract plans. Mr. Moore conducts regular progress and jobsite safety meetings, prepares/obtains and reviews required materials. Mr. Moore is responsible for the daily scheduling of work activities including Shirley’s personnel and subcontractors, material deliveries, rental equipment and</p>

**ATTACHMENT 4.4.2**  
**KEY PERSONNEL RESUME FORM**

trucks. He is also responsible for coordinating with the Project's Quality Control staff to ensure that all construction materials and activities meet the requirements of the QA/QC Plan and the Contract. The overall scope of the project included approximately one half mile of roadway, two (2) stormwater management ponds, and one (1) bridge.

**3. Warp Drive Ramp**

**Shirley Contracting Company, LLC (August 2011 - June 2012)**

As the Construction Manager for the design-build team, Mr. Moore is responsible for coordination of utility relocation work and oversight of construction in accordance with the approved contract plans. Mr. Moore conducts regular progress and jobsite safety meetings, prepares/obtains and reviews required materials. Mr. Moore is responsible for the daily scheduling of work activities including Shirley's personnel and subcontractors, material deliveries, rental equipment and trucks. He is also responsible for coordinating with the Project's Quality Control staff to ensure that all construction materials and activities are inspected as required. The overall scope of the project included one (1) at-grade slip ramp and one (1) roundabout.

ATTACHMENT 4.4.2  
KEY PERSONNEL RESUME FORM

<b>Brief Resume of Key Personnel anticipated for the Project.</b>	
a. Name & Title:	<b>Kaushik Vyas, P.E., Quality Assurance Manager</b>
b. Project Assignment:	<b>Quality Assurance Manager</b>
c. Name of Firm with which you are now associated:	<b>Quinn Consulting Services, Incorporated</b>
d. Years experience: With this Firm <u>1</u> Years With Other Firms <u>24</u> Years Please list chronologically (most recent experience first) your employment history, position and general experience or fields of practice for the last fifteen (15) years.	<p><b>Quinn Consulting Services, Inc.</b> <b>Quality Assurance Manager (March 2010 - Present)</b></p> <ul style="list-style-type: none"> <li>As quality assurance manager, worked exclusively on VDOT design-build projects in lead QA and QC roles.</li> </ul> <p><b>TRC, formally Site-Blauvelt</b> <b>Transportation Engineer (April 2001 - March 2010)</b></p> <ul style="list-style-type: none"> <li>As Transportation Engineer, performed overall Quality Assurance Control, in line with VDOT PPTA Project QA/QC Guidelines.</li> </ul> <p><b>Gujarat Electricity Board</b> <b>Civil Engineer (June 1985 - July 2000)</b></p> <ul style="list-style-type: none"> <li>Civil Engineer, Worked as a Civil Engineer in Power Plants (Generation Wing), dealt with construction, maintenance of plant and technical matters of Thermal power plant project.</li> </ul>
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization:	<b>Gujarat University, Ahmedabad, India / BS / 1983 / Civil Engineering</b>
f. Active Registration: Year First Registered/ Discipline/VA Registration #:	<ul style="list-style-type: none"> <li><b>Professional Engineer VA 2004 / Civil Engineer / 0402 039004</b></li> </ul>
g. Document the extent and depth of your experience and qualifications relevant to the Project.	<ol style="list-style-type: none"> <li><i>Note your specific responsibilities and authorities for each assignment, not those of the firm.</i></li> <li><i>Note whether experience is with current firm or with other firm.</i></li> <li><i>Provide beginning and end dates for each assignment.</i></li> </ol> <p><b>(List at least three (3), but no more than five (5) relevant projects for which you have performed a similar function.)</b></p> <p><b>1. I-495 HOT Lanes Design-Build Project</b> <b>Quinn Consulting Services, Inc. Resident Area Engineer (November 2010 - Present)</b> Resident Area Engineer on this nearly 2 billion dollar public-private Capital Beltway Project that includes widening of approximately 14 miles of High Speed, High Traffic flow Interstate, widening/replacement of over 50 bridges, construction of new HOV toll lanes, upgrades to 12 key interchanges and new sound walls and carpool ramps. Responsibilities included oversight of quality control operations; daily staff assignments in the field; analyzing and interpreting project plans and specifications; participating in weekly progress meetings; working closely with contractors to identify and resolve problems; monitoring and reviewing daily diaries prepared by inspection staff; preparing deficiency and non-compliance reports; ensuring materials testing was performed in accordance with project specific QA/QC Plan and VDOT QA/QC Minimum Standards for Design-Build and PPTA Projects; working directly with General Contractor, Engineering and VDOT oversight personnel to discuss and/or recommend resolutions for field construction problems. <b>Owner Contact:</b> VDOT – Northern Virginia District, 14685 Avion Parkway, Chantilly, VA 20151-1104, Ms. Susan Shaw, P.E., (703)259-1995</p> <p><b>2. Design-Build, Route 15 Widening, Prince William County, Virginia</b> <b>TRC (formally Site-Blauvelt) Quality Control Manager (November 2007 - November 2010)</b> Project included five different phases for widening Route 15 from Route 66 Interchange to Sudley Road which involves Old Carolina Road, Heathcote Boulevard and Waterfall Road Widening. Project also included three bridges. Served as the Quality Assurance Control Manager providing coordination with QA/QC Teams for execution of the work according to plans &amp; VDOT Specifications. Responsibilities included checking test reports, daily reports, safety reports, environmental reports, coordination with companies for utility relocations, and also with public relations in regards to the project. <b>Owner Contact:</b> VDOT –Northern Virginia District, 4975 Alliance Drive, Fairfax, VA 22030, <a href="#">Mahmud Hussain</a> , 703-383-</p>

ATTACHMENT 4.4.2  
KEY PERSONNEL RESUME FORM

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**3. Design-Build, Route 895 (PPTA) Project, Richmond, Virginia**

**TRC (formally Site-Blauvelt) Quality Control Manager April 2001 to July 2002.**

Project involved monitoring the James River crossing of I-95 using a segmental bridge. This bridge was built using a very advanced technique called the balanced cantilever method and was cast in place with traveling formwork. Responsible for studying the complex reinforcement plans, river crossing segmental drawings, and the pier table structure detailed drawings in order to methodically check and inspect the reinforcement of the critical river crossings. Also inspected the post tensioning of strands for the river crossing segments and reviewed the schedule of nodes and stressing data.

**Owner Contact:** VDOT – Richmond District, 1401 East Broad Street, Richmond, VA, Thomas Hawthorne, (804) 524-6000

**4. Linton Hall Road Widening, Prince William County, Virginia**

**TRC (formally Site-Blauvelt) Quality Assurance Control Manager (November 2007 - November 2010)**

Project included bridge over Broad Run Creek and Roadway Widening up to Route 28. Served as the Quality Assurance Control Manager providing coordination with QA/QC Teams for execution of the work according to plans & VDOT Specifications. Responsibilities included checking test reports, daily reports, safety reports, and environmental reports. Also worked closely with utility companies during facility relocations and addressed public inquiries as related to the project.

**Owner Contact:** Prince William County, 1 County Complex Court (MC460), Prince William, Virginia 22192-9201  
Mr. Khattab Shammout, (703) 792-6826

**5. Spriggs Road Improvements Project, Prince William County, Virginia**

**TRC (formally Site-Blauvelt) Quality Assurance Control Manager (May 2006 - October 2007)**

Project which included widening of Spriggs Road to make it a four-lane divided highway between Minnieville Road and Hoadly Road. Project also included the construction of access roads, MSE walls, and utility relocation. Responsibilities included interpreting geotechnical reports as related to actual field conditions and recommending solutions when unsuitable soils were encountered. Monitored ongoing roadway drainage work and soil stabilization work and prepared daily reports, pay item summaries, and project schedule reports.

**Owner Contact:** Prince William County, 1 County Complex Court (MC460), Prince William, Virginia 22192-9201  
Mr. Khattab Shammout, (703) 792-6826



## ATTACHMENT 4.4.3

### State Project No. 6007-053-S96

#### SCC and DPOR Information - Individuals

Offerors shall complete the table and include the required state registration and licensure information. By completing this table, Offerors certify that their team complies with the requirements set forth in Section 4.2.5 and that all individuals listed are active and in good standing.

<b>DPOR INFORMATION FOR INDIVIDUALS (RFP Sections 4.4.3.1 and 4.4.3.2)</b>						
Business Name	Individual's Name	Office Location Where Professional Services will be Provided (City/State)	Individual's DPOR Address	DPOR Type	DPOR Registration Number	DPOR Expiration Date
Dewberry Consultants LLC *	Steven Kuntz	Fairfax, Virginia	Haymarket, VA. 20169	Professional Engineer	0402039440	June 30, 2014
Dewberry Consultants LLC *	James Ross Burhouse, III	Fairfax, Virginia	Bristow, Va. 20136	Professional Engineer	0402037078	December 31, 2012
Quinn Consulting Services, Inc.	Kaushikkumar Vyas	Chantilly, Virginia	Gordonsville, Va. 22942	Professional Engineer	0402039004	June 30, 2014
Diversified Property Services, Inc. of Virginia	Patricia Dablock	Timonium, Maryland	Timonium, Maryland 21093	Real Estate Appraiser	4008001190	November 30, 2012

\*Formally known as Dewberry & Davis, LLC

**Details of license number 4008001190**

Name:	DIVERSIFIED PROPERTY SERVICES OF VIRGINIA INC
License Number:	4008001190
License Description:	Appraisal Business Registration
Business Type:	Corporation
Address:	20 E TIMONIUM ROAD SUITE 111 TIMONIUM, MD 21093
Initial Certification Date:	November 29, 2000
Expiration Date:	November 30, 2012

[print](#)**Complaints****No Open Complaints**

"Open Complaints" reflect only those complaints against regulants for which a departmental investigation has determined that sufficient evidence exists to establish probable cause of a violation of the law or regulations. Only those cases that have proceeded through an investigation to the adjudication stage are displayed. State law prohibits the disclosure of any information about open complaints [Code of Virginia Section 54.1-108]. Members of the public may review official records and obtain copies only after a complaint investigation is closed.

**No Closed Complaints**

"Closed Complaints" reflect complaints against regulants closed since 1990. Cases closed without disciplinary action are purged after three years in accordance with DPOR's record retention policy.

To inquire about closed complaints, see the department's [Public Records Access](#) or contact the department's Information Management Section at (804) 367-8583 or [publicrecords@dpor.virginia.gov](mailto:publicrecords@dpor.virginia.gov).

**Details of license number 0402039004**

Name:	VYAS, KAUSHIKKUMAR BHUPENDRAPRASAD
License Number:	0402039004
License Description:	Professional Engineer License
Address:	GORDONSVILLE VA, 22942
Initial Certification Date:	June 14, 2004
Expiration Date:	June 30, 2014

[print](#)**Complaints****No Open Complaints**

"Open Complaints" reflect only those complaints against regulants for which a departmental investigation has determined that sufficient evidence exists to establish probable cause of a violation of the law or regulations. Only those cases that have proceeded through an investigation to the adjudication stage are displayed. State law prohibits the disclosure of any information about open complaints [\[Code of Virginia Section 54.1-108\]](#). Members of the public may review official records and obtain copies only after a complaint investigation is closed.

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**Details of license number 0402039440**

Name:	KUNTZ, STEVEN KLINE
License Number:	0402039440
License Description:	Professional Engineer License
Address:	HAYMARKET VA, 20169
Initial Certification Date:	June 14, 2004
Expiration Date:	June 30, 2014

[print](#)**Complaints****No Open Complaints**

"Open Complaints" reflect only those complaints for which a departmental investigation has determined that sufficient evidence exists to establish probable cause of a violation of the law or regulations. Only those cases that have proceeded through an investigation to the adjudication stage are displayed. State law prohibits the disclosure of any information about open complaints [\[Code of Virginia Section 54.1-108\]](#). Members of the public may review official records and obtain copies only after a complaint investigation is closed.

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**Details of license number 0402037078**

Name:	BURHOUSE, JAMES ROSS, III
License Number:	0402037078
License Description:	Professional Engineer License
Address:	BRISTOW VA, 20136
Initial Certification Date:	December 19, 2002
Expiration Date:	December 31, 2012

print

**Complaints****No Open Complaints**

"Open Complaints" reflect only those complaints for which a departmental investigation has determined that sufficient evidence exists to establish probable cause of a violation of the law or regulations. Only those cases that have proceeded through an investigation to the adjudication stage are displayed. State law prohibits the disclosure of any information about open complaints [Code of Virginia Section 54.1-108]. Members of the public may review official records and obtain copies only after a complaint investigation is closed.

**No Closed Complaints**

"Closed Complaints" reflect complaints closed since 1990. Cases closed without disciplinary action are purged after three years in accordance with DPOR's record retention policy.

To inquire about closed complaints, see the department's Public Records Access or contact the department's Information Management Section at (804) 367-8583 or [publicrecords@dpor.virginia.gov](mailto:publicrecords@dpor.virginia.gov).

#### 4.4.4 DBE SUBCONTRACTING NARRATIVE

## 4.4 POST NOTICE OF INTENT TO AWARD SUBMITTAL

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### 4.4.4 DBE SUBCONTRACTING NARRATIVE

#### *Commitment To Achievement of DBE Goals*

Shirley Contracting Company, LLC (Shirley) is committed to achieving the 20% DBE participation goal for the Sycolin Road Overpass of the Route 7/15 Bypass Design-Build Project through design and construction activities.

As one of Virginia's largest General Contractors performing Virginia Department of Transportation work, we take pride in our 38 year history of providing opportunities to Disadvantaged Business Enterprises. Our record of compliance in meeting federal, state and local DBE goals on all of our past and present projects is an accomplishment we are proud of.

#### *Plan To Meet Subcontracting Goals*

As submitted with our Price proposal for the Project, Shirley has proposed providing 20.04% or \$2,441,574,56 of the total project amount to meeting the DBE goal for the Project. The firms will be we will utilize on the project are identified on our C-111 Summary Form which is attached.

The following narrative outlines the steps Shirley has taken to meet the DBE goal for the Project. Our Team first examined the Project, the nature of the work, and our internal company DBE database to determine where we believe the opportunities for DBE participation were available. Once we determined the areas where participation was likely, working with our design partner Dewberry, we took steps to ensure that we communicated with and provided adequate notice of the project opportunities to the DBE community.

- Initially, we contacted DBE firms included in our company database to inform them of the opportunity. We utilized e-mail solicitations identifying the scope of the Project, the and construction trades we believed would be able to provide subcontracting opportunities, and provided notice that plans were available at our company's main office for viewing. We established a single point of contact for all potential DBE firms so that questions regarding the Project and potential opportunities would be directed to the contact person and answered promptly.
- In addition to e-mails to subcontractors and vendors in our database, we made initial and follow-up telephone calls to these firms as a means of determining actual interest in the Project and to answer any questions about possible opportunities.
- We also posted the opportunity on our company website to reach a broader spectrum of contractors, vendors and other potential interested persons. Once again, the name and phone number of a contact person was included for questions about the opportunity.
- Throughout the development and preparation of our Technical and Price Proposals for the Project, we tracked and maintained the status of our expected DBE participation. In this manner, we were immediately and constantly aware of the need to solicit increased participation from the DBE community in order to meet the goal.

Throughout the design and construction phases of the Project, we will continually monitor the status of our Team's DBE participation. The Design-Build Project Manager Seth Bourne will be responsible for this task, and will develop a method to do so that will be shared with VDOT on a regular basis.

As an ongoing process, Shirley stays up to date with changes and modifications to applicable DBE program rules so that we are best positioned to meet or exceed the goals established for the Project. Based on our experience and efforts we will put forward on this Project, we will meet or exceed the 20% DBE goal for the Sycolin Road Overpass of the Route 7/15 Bypass Design-Build Project.

**SYCOLIN ROAD OVERPASS OF THE ROUTE 7/15 BYPASS**

SHIRLEY CONTRACTING COMPANY, LLC



Contract ID Number: C00099256DB53

State Project No. 6007-053-S96

**DBE Breakdown of Form C-111**

SUBCONTRACTOR	ADDRESS	TYPE OF WORK	DBE No.	VEND No.	PERCENT of WORK by DBE	PERCENT of DBE VALUE	CONTRACT AMOUNT
Aacme General Contractors, Inc.	20094 Rowdy Road, Brandy Station, VA 22714	Seed & Mulch	#653231	#A683	100.00%	0.17%	\$ 20,642.50
Eastern Clearing, Inc.	6006 Bealeton Road, Bealeton, VA 22712	Clearing	#000251	#E251	100.00%	0.12%	\$ 14,584.56
Tavares Concrete Company, Inc.	8000 Cinder Bed Road, Lorton, VA 22079	Concrete Flatwork	#626436	#T131	100.00%	3.18%	\$ 387,812.50
Quarry Products Unlimited, Inc.	P.O. Box 395 Sharptown, MD 21861	Liquid Asphalt Supply	#685867		100.00%	0.91%	\$ 110,700.00
Rojas Larco Trucking, Inc.	P.O. Box 4445 Manassas, VA 20108	Trucking	#650566		100.00%	0.78%	\$ 95,000.00
Rojas Larco Trucking, Inc.	P.O. Box 4445 Manassas, VA 20108	Aggregate Hauling	#650566		100.00%	0.51%	\$ 61,647.00
Interlock Steelworkers, Inc.	2703 Back Acre Circle, Mount Airy, MD 21771	Furnish & Install Bridge Girders	#626263	#1039	100.00%	4.45%	\$ 542,580.00
Interlock Steelworkers, Inc.	2703 Back Acre Circle, Mount Airy, MD 21771	Rebar Furnish & Install	#626263	#1039	100.00%	3.08%	\$ 375,201.50
Nickelston Industries, Inc.	P.O. Box 133, Lawsonville, NC 27022	Guardrail Installation	#648455	#N234	100.00%	0.47%	\$ 57,517.50
D&W Fence, Inc	1800 Summit Drive, Haymarket, VA 20169	Bridge Railing Furnish & Install	#626549	#D357	100.00%	1.94%	\$ 236,266.00
Quinn Consulting Services, Inc.	4094 Majestic Lane #281, Fairfax, VA 22033	Engineering Services	#626289	Professional Services	100.00%	2.27%	\$ 276,476.50
Geoconcepts Engineering, Inc.	19955 Highland Vista Drive, Suite 170 Ashburn, VA 20147	Engineering Services	#626642	Professional Services	100.00%	1.77%	\$ 215,723.50
Diversified Property Services of VA	20 E. Timonium Road, Suite 111, Timonium, MD 21093	R.O.W. Acquisition Services	#626679	Professional Services	100.00%	0.39%	\$ 47,425.00

**CONTRACT TOTAL VALUE: \$12,185,855.00****TOTAL: \$ 2,441,576.56**  
**Value of DBE Attained 20.04%**

## 4.4.5 PROPOSAL SCHEDULE

## 4.4 Schedule Narrative

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### I. PROJECT MILESTONES

The Pacific Boulevard Extension Project Schedule details our plan for all phases of the design/build process based on the following project Milestones:

Notice of Award Date:	November 14, 2012
Notice to Proceed Date:	December 13, 2012
NTP for Construction Date:	June 3, 2013
Sycolin Road Shut Down:	June 15, 2013
Interim Milestone Re Open Sycolin Rd:	August 15, 2014
Substantial and Final Completion Date:	October 14, 2014

### II. WORK BREAKDOWN STRUCTURE

Level 1 of the Work Breakdown Structure (WBS) groups the schedule into the phases of the design/build process as follows:

- A. Project Milestones: Area reserved for easy review of the project status.
- B. Design: Includes preliminary engineering services, plan development, submittal milestones, and VDOT reviews and approvals of plans. This section of the schedule includes a second level WBS structure to group design activities by type of design submission including roadway plans, ROW plans, bridge plans, Town of Leesburg water and sanitary sewer plans.
- C. Right-of-way Acquisition: This section of the schedule is used to monitor the acquisition of right-of-way and easements for the project including title research, appraisals and appraisal reviews, offers, negotiations, and settlements.
- D. Environmental Permitting: Includes wetland and stream delineations and jurisdictional determination, permit management and preparation, mitigation, and permit submissions, reviews and approvals through the IACM process. The environmental permits schedule includes a second level WBS structure to group each environmental permit the joint wetlands and waters permit and the LD 455/VSMP permit.
- E. Utility Relocations: The utility relocation section of the schedule includes activities for UFI meetings, preparation of utility plans and estimates (P&E) by the utility companies, approval of the P&E by Design Builder and VDOT, and utility relocation construction.
- F. Construction: The Construction section of the schedule is segmented by five additional levels of WBS structure to divide the construction activities into groups of work packages that can be easily tracked to ensure on-time completion of the project. Those additional levels include MOT, bridge construction, culverts & channels, sound walls, and earthwork and drainage activities.

The following page is a complete outline of the WBS Structure for the Project:

LEVEL 1	LEVELS 2, 3	
01	Schedule Milestones	
02	Design Phase	
	02.01	Roadway Plans
	02.02	ROW Plans
	02.03	Bridge Plans
	02.04	Town of Leesburg Water and Sewer Plans
03	ROW Acquisition	
	03.01	Right of Way Acquisition
04	Environmental Permits	
	04.01	Joint Wetlands and Waters Permits
	04.02	VSMP Permit
05	Utility Relocations	
06	Construction	
	06.01	MOT
	06.02	Bridge
	06.03	Culvert/Channel
	06.04	Sound Wall
	06.05	Earthwork/Drainage/Misc.

### III. CALENDARS

The following is a description of the calendars used for this project.

**Global Calendar** – All calendars are based on 8 hour work days and include the following holidays: New Years Day, Memorial Day, 4th of July, Labor Day, Thanksgiving, the day after Thanksgiving, and Christmas.

**C00093144DB01-1** - “5-Day Workweek” – this calendar is based on five working days per week and is used for all design and administrative activities that are unaffected by weather.

**C00093144DB01-2** – “7-Day Calendar” – Assigned to activities that have durations based on calendar days instead of work days. For example VDOT’s 21 calendar day review duration.

**C00093144DB01-3** – “5-Day Winter Imp” – This calendar is based on working part-time from December 25 to March 10. It is assigned to activities that are anticipated to have reduced productivity during the winter months.

**C00093144DB01-4** – “5-Day Winter SD” – Assigned to activities that are anticipated to be shut down during the winter, such as asphalt paving, striping, and painting. This calendar contains no working days from December 25 of one year to March 10 of the next year.

## IV. SCHEDULE TIMING AND CRITICAL PATH

### *Design Phase:*

The design phase includes preparation and submission of roadway plans at multiple stages of the design process with a 21 calendar day activity for VDOT review after each submission. The design phase also includes non-critical activities for the completion of surveys, utility designations, test pits, utility relocation plans, and geotechnical investigations, including a 90 calendar day activity for VDOT's review of the geotechnical report prior to submission of the final roadway plans. Our team will begin the design phase of the project immediately upon notice of award. The first formal plan submission of the roadway plans and ROW plans will occur on the January 30, 2013. The preliminary schedule reflects a critical approval of ROW plans on April 16, 2013.

### *Environmental Permitting:*

Environmental permitting will begin upon notice of award with the start of wetland delineations, stream assessments, jurisdictional determination, and preparation of the joint permit application. The Joint Permit Application will be acquired through the VDOT IACM process in June 2013. The LD 445/VSMP permit will be also acquired in April 2013.

### *Right-of-way Acquisition:*

The administration of the right-of-way acquisitions will start following the 1st submission ROW plans. The first activities will include title searches and appraisals for affected properties. Following approval of the ROW plans we will finalize the appraisals, complete the review appraisals and submit the appraisal to VDOT for approval. Once VDOT has approved the appraisals we will send the offers to the property owners and begin negotiations. Within two months of receipt of the offer by the property owner we expect to obtain a signed option, a right-of-entry agreement or file certificate on the property. This will allow access to the properties August 2013. If property is obtained by settlement, property will not be accessed for construction until January 2014. Following receipt of a signed option or settlements we will obtain lien releases and complete ROW acquisition of the properties.

### *Utility Relocations:*

Utility relocation on the project include relocation of the overhead Dominion Power line, overhead Verizon line, 24" waterline, 16" waterline and the 12" gas line. The Dominion Power line and Verizon line will be temporarily relocated within project ROW to allow the bridge construction to begin, however the permanent configuration will not be able to be completed without ROW acquisition. The 12" gas and 16" waterline relocation will also not be able to be relocated without obtaining the ROW. We anticipate the need to install 2 sanitary manholes and 200 LF of casing to relocate the Town of Leesburg sewer to be relocated due to our MSE wall fill that will be placed over top of the existing line.

### *Construction:*

Mobilization will begin in June 2013 in accordance with the milestone to shut down Sycolin Road on June 15, 2013. Construction will begin at the box culvert relocation with the demo and replacement of the structure with three 84" RCP culverts. The bridge construction will begin in July 2013 following the installation of E&S and initial MOT measures. Existing pavement demolition, earthwork embankment, sound walls and storm drainage structure construction begins June 2013 and continues through August 2014. In April 2014 subgrade, asphalt paving, flatwork, signing and striping activities begin and are finished by the interim milestone to reopen Sycolin Rd on August

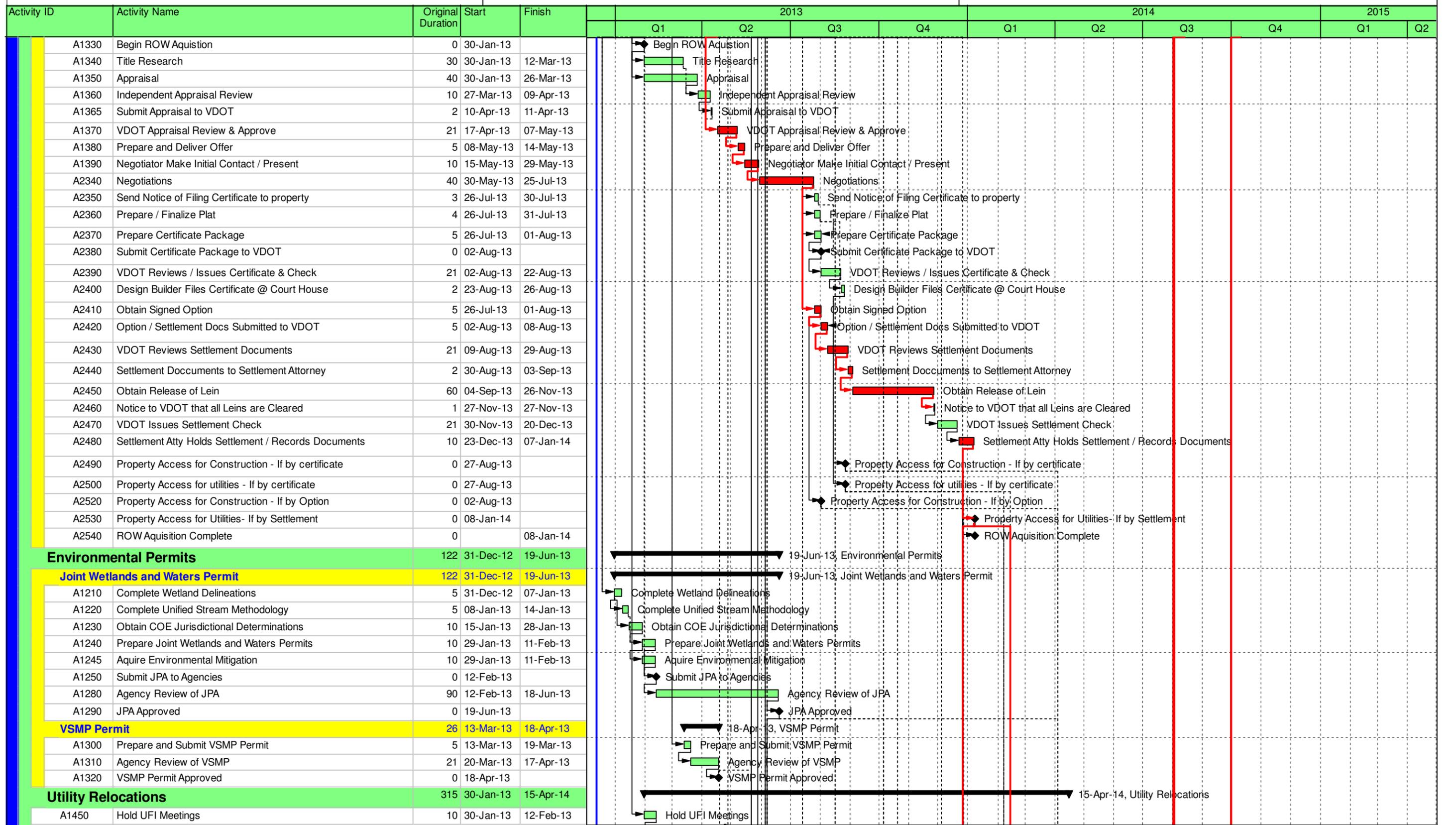
15, 2014. Punch list activities follow the reopening of Sycolin Rd and will be finished by project completion date October 14, 2014.

***Critical Path:***

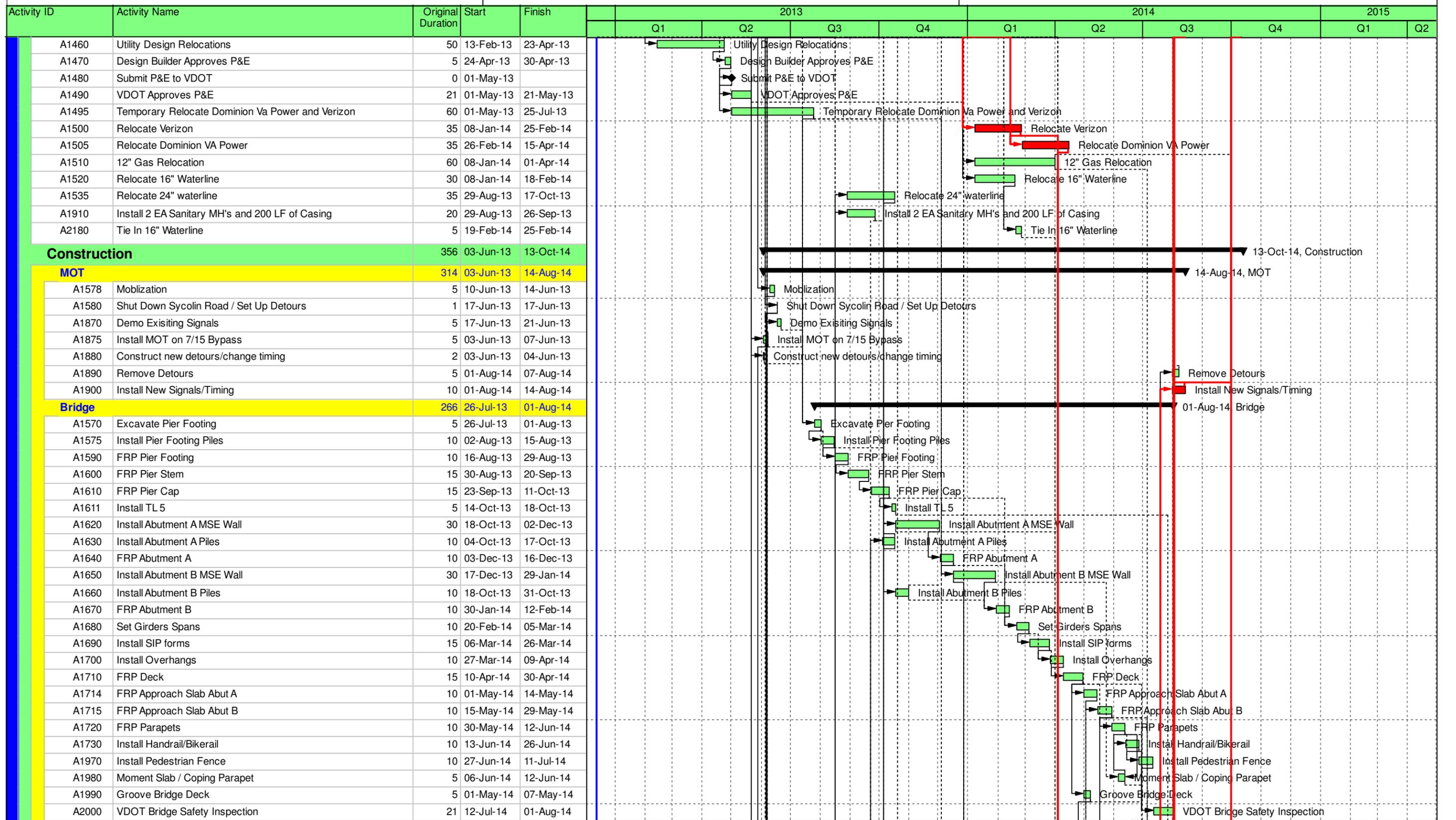
The Critical Path of the project follows the preparation, submission, and VDOT review/approval activities for the ROW Plans starting at Notice of Award and ending with plan approval on April 16, 2013. Starting in April 2013 the critical path follows right-of-way acquisition activities until property access is obtained on January 8, 2014. Upon ROW acquisition completion, the critical path of construction flows through the permanent configuration relocation of Dominion Power and Verizon utilities, followed by the construction of the embankment, storm sewers, subgrade, asphalt, flatwork, striping, signage and installing new signals and timing on the northern end of Sycolin Road until the roadway is reopened on August 15, 2014. Finally we will complete punch list activities before final completion on October 14, 2014.

Activity ID	Activity Name	Original Duration	Start	Finish	2013				2014				2015			
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2		
<b>Sycolin Road Overpass of the Rt. 7/15 Bypass in Leesburg</b>					13-Oct-14, Sycolin Road Overpass of the Rt. 7/15 Bypass in Leesburg											
<b>Project Milestones</b>					13-Oct-14, Project Milestones											
A1000	Notice to Proceed	0	13-Dec-12*		Notice to Proceed											
A1002	Scope Validation	90	13-Dec-12	14-Mar-13	Scope Validation											
A1005	Notice to Proceed for Construction	0	03-Jun-13		Notice to Proceed for Construction											
A1010	Sycolin Rd Shut Down	0	17-Jun-13*		Sycolin Rd Shut Down											
A1020	Interim Milestone Re Open Sycolin Rd	0		14-Aug-14*	Interim Milestone Re Open Sycolin Rd											
A1030	Substantial and Final Completion	0		13-Oct-14*	Substantial and Final Completion											
<b>Design</b>					14-Jun-13, Design											
<b>Roadway Plans</b>					31-May-13, Roadway Plans											
A1035	Send 15 Day Property Owner Notification	15	13-Dec-12	28-Dec-12	Send 15 Day Property Owner Notification											
A1040	Roadway Design	32	13-Dec-12	29-Jan-13	Roadway Design											
A1046	Complete Sound Study	20	13-Dec-12	11-Jan-13	Complete Sound Study											
A1050	Supplemental Survey and Mapping	15	31-Dec-12	21-Jan-13	Supplemental Survey and Mapping											
A1060	Supplemental Utility Designations and Test	15	22-Jan-13	11-Feb-13	Supplemental Utility Designations and Test											
A1070	Geotechnical Investigations	40	13-Dec-12	08-Feb-13	Geotechnical Investigations											
A1080	VDOT Review Geotechnical Report	90	09-Feb-13	09-May-13	VDOT Review Geotechnical Report											
A1090	Submit Roadway Plans (1st Submission)	0	30-Jan-13		Submit Roadway Plans (1st Submission)											
A1100	VDOT Review/Comment Roadway Plans (1st Submission)	21	30-Jan-13	19-Feb-13	VDOT Review/Comment Roadway Plans (1st Submission)											
A1110	Prep Roadway Plans (2nd Submission)	15	20-Feb-13	12-Mar-13	Prep Roadway Plans (2nd Submission)											
A1120	Submit Roadway Plans (2nd Submission)	0	13-Mar-13		Submit Roadway Plans (2nd Submission)											
A1130	VDOT Review/Comment Roadway Plans (2nd Submission)	21	13-Mar-13	02-Apr-13	VDOT Review/Comment Roadway Plans (2nd Submission)											
A1140	Prepare Final Roadway Plans	15	03-Apr-13	23-Apr-13	Prepare Final Roadway Plans											
A1150	Submit Roadway Plans (Final Submission)	0	10-May-13		Submit Roadway Plans (Final Submission)											
A1160	VDOT Review/Approve Final Roadway Plans	21	10-May-13	31-May-13	VDOT Review/Approve Final Roadway Plans											
<b>ROW Plans</b>					16-Apr-13, ROW Plans											
A2290	Submit ROW Plans (1st Submission)	0	30-Jan-13		Submit ROW Plans (1st Submission)											
A2300	VDOT Review/Comment ROW Plans (1st Submission)	21	30-Jan-13	19-Feb-13	VDOT Review/Comment ROW Plans (1st Submission)											
A2310	Prepare Final ROW Plans	25	20-Feb-13	26-Mar-13	Prepare Final ROW Plans											
A2320	Submit ROW Plans (Final Submission)	0	27-Mar-13		Submit ROW Plans (Final Submission)											
A2330	VDOT Review/Approve ROW Plans	21	27-Mar-13	16-Apr-13	VDOT Review/Approve ROW Plans											
<b>Bridge Plans</b>					12-May-13, Bridge Plans											
A2189	Bridge Geotechnical Investigations & Preliminary Recommendations	20	13-Dec-12	11-Jan-13	Bridge Geotechnical Investigations & Preliminary Recommendations											
A2190	Bridge Design	40	14-Jan-13	08-Mar-13	Bridge Design											
A2200	Submit Bridge Plans (1st Submission)	0	11-Mar-13		Submit Bridge Plans (1st Submission)											
A2210	VDOT Review/Comment Bridge Plans (1st Submission)	21	11-Mar-13	31-Mar-13	VDOT Review/Comment Bridge Plans (1st Submission)											
A2250	Prepare Final Bridge Plans	15	01-Apr-13	19-Apr-13	Prepare Final Bridge Plans											
A2260	Submit Bridge Plans (Final Submission)	0	22-Apr-13		Submit Bridge Plans (Final Submission)											
A2270	VDOT Review/Approve Final Bridge Plans	21	22-Apr-13	12-May-13	VDOT Review/Approve Final Bridge Plans											
<b>Town of Leesburg Water and Sewer Plans</b>					14-Jun-13, Town of Leesburg Water and Sewer Plans											
A1170	Prep/Submit Water & Sewer Relocation Plans	30	20-Feb-13	02-Apr-13	Prep/Submit Water & Sewer Relocation Plans											
A1180	Town of Leesburg Review/Comment	21	03-Apr-13	01-May-13	Town of Leesburg Review/Comment											
A1190	Prep/Submit Final Water & Sewer Relocation Plans	10	02-May-13	15-May-13	Prep/Submit Final Water & Sewer Relocation Plans											
A1200	Town of Leesburg Review/Approve Final Water & Sewer Plans	21	16-May-13	14-Jun-13	Town of Leesburg Review/Approve Final Water & Sewer Plans											
<b>ROW Acquisition</b>					08-Jan-14, ROW Acquisition											
<b>Right Of Way Acquisition</b>					08-Jan-14, Right Of Way Acquisition											

█ Actual Work   
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Activity ID	Activity Name	Original Duration	Start	Finish	2013				2014				2015		
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	
A2020	Install Sight Lighting	30	08-May-14	19-Jun-14											
<b>Culvert/Channel</b>		<b>77</b>	<b>19-Jun-13</b>	<b>03-Oct-13</b>											
A1750	Divert Stream Channel	10	19-Jun-13	02-Jul-13											
A1760	Demo Existing Box Culvert	20	03-Jul-13	31-Jul-13											
A1770	Install 3 Lines 84" Pipes	15	01-Aug-13	21-Aug-13											
A1780	Backfill 84" Pipes	15	08-Aug-13	28-Aug-13											
A2060	Install Wingwall on triple culvert	30	22-Aug-13	03-Oct-13											
<b>Sound Wall</b>		<b>313</b>	<b>03-Jun-13</b>	<b>13-Aug-14</b>											
A1851	Prepare / Submit Shop Drawings	40	03-Jun-13	29-Jul-13											
A1852	Review / Approve Shop Drawings	30	30-Jul-13	10-Sep-13											
A1853	Fabricate Soundwall posts	40	11-Sep-13	05-Nov-13											
A1854	Fabricate Soundwall Panels	100	06-Nov-13	31-Mar-14											
A1860	Drill Soundwall A Foundation	13	11-Sep-13	27-Sep-13											
A2080	Install Soundwall A Foundation	13	30-Sep-13	16-Oct-13											
A2090	Install Soundwall A Posts	13	01-Apr-14	17-Apr-14											
A2100	Install Soundwall A Panels	5	18-Apr-14	24-Apr-14											
A2110	Drill Soundwall B Foundation	22	25-Apr-14	27-May-14											
A2120	Install Soundwall B Foundations	22	28-May-14	26-Jun-14											
A2130	Install Soundwall B Posts	22	27-Jun-14	29-Jul-14											
A2140	Install Soundwall B Panels	11	30-Jul-14	13-Aug-14											
<b>Earthwork/Drainage/ Misc</b>		<b>356</b>	<b>03-Jun-13</b>	<b>13-Oct-14</b>											
A1790	Construct Embankment Northern end of Sycolin Rd	15	16-Apr-14	06-May-14											
A1800	Construct Embankment Southern end of Sycolin Rd	20	09-Jan-14	05-Feb-14											
A1810	Install 48" Pipe Culvert	10	18-Oct-13	31-Oct-13											
A1812	Extend 42" Pipe Culvert	5	01-Nov-13	07-Nov-13											
A1813	Install Pipe Runs sta 112+00 to 119+00	30	06-Feb-14	19-Mar-14											
A1814	Install Pipe Runs Sta 122+00 to 130+00	30	07-May-14	18-Jun-14											
A1820	Finegrade Roadway Sta 122+00 to 130+00	10	19-Jun-14	02-Jul-14											
A1822	Finegrade Roadway Sta 112+00 to 119+00	10	20-Mar-14	02-Apr-14											
A1830	Subgrade Roadway Sta 122+00 to 130+00	5	03-Jul-14	10-Jul-14											
A1832	Subgrade Roadway Sta 112+00 to 119+00	5	03-Apr-14	09-Apr-14											
A1840	Asphalt Roadway Sta 122+00 to 130+00	5	18-Jul-14	24-Jul-14											
A1845	Asphalt Roadway Sta 112+00 to 119+00	5	30-May-14	05-Jun-14											
A1850	Striping and Signage	5	25-Jul-14	31-Jul-14											
A1855	Demo existing Sycolin Rd	20	18-Jun-13	16-Jul-13											
A1920	Mill and Overlay Project Limits	10	25-Jul-14	07-Aug-14											
A1930	Clear and Grub Along 7/15 Bypass	15	10-Jun-13	28-Jun-13											
A1940	Initial Survey/Layout	15	03-Jun-13	21-Jun-13											
A1950	Install Construction Access/ Initial E&S Devices	10	18-Jun-13	01-Jul-13											
A1960	Install Guardrail Along Sycolin Rd	13	25-Jul-14	12-Aug-14											
A2030	Install Sidewalk	10	11-Jul-14	24-Jul-14											
A2035	Install Asphalt Trail	5	11-Jul-14	17-Jul-14											
A2040	Install Curb and Gutter Sta 112+00 to 119+00	5	11-Jul-14	17-Jul-14											
A2050	Install Curb and Gutter 122+00 to 130+00	10	10-Apr-14	23-Apr-14											
A2150	Install Guardrail Along 7/15 Bypass	10	08-Aug-14	21-Aug-14											
A2160	PunchList	41	15-Aug-14	13-Oct-14											

█ Actual Work     
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Activity ID	Activity Name	Original Duration	Start	Finish	2013				2014				2015			
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2		
<b>Sycolin Road Overpass of the Rt. 7/15 Bypass in Leesburg</b>					13-Oct-14, Sycolin Road Overpass of the Rt. 7/15 Bypass in Leesburg											
<b>Project Milestones</b>					13-Oct-14, Project Milestones											
A1000	Notice to Proceed	0	13-Dec-12*		Notice to Proceed											
A1020	Interim Milestone Re Open Sycolin Rd	0		14-Aug-14*	Interim Milestone Re Open Sycolin Rd											
A1030	Substantial and Final Completion	0		13-Oct-14*	Substantial and Final Completion											
<b>Design</b>					16-Apr-13, Design											
<b>Roadway Plans</b>					29-Jan-13, Roadway Plans											
A1040	Roadway Design	32	13-Dec-12	29-Jan-13	Roadway Design											
<b>ROW Plans</b>					16-Apr-13, ROW Plans											
A2290	Submit ROW Plans (1st Submission)	0	30-Jan-13		Submit ROW Plans (1st Submission)											
A2300	VDOT Review/Comment ROW Plans (1st Submission)	21	30-Jan-13	19-Feb-13	VDOT Review/Comment ROW Plans (1st Submission)											
A2310	Prepare Final ROW Plans	25	20-Feb-13	26-Mar-13	Prepare Final ROW Plans											
A2320	Submit ROW Plans (Final Submission)	0	27-Mar-13		Submit ROW Plans (Final Submission)											
A2330	VDOT Review/Approve ROW Plans	21	27-Mar-13	16-Apr-13	VDOT Review/Approve ROW Plans											
<b>Bridge Plans</b>																
<b>Town of Leesburg Water and Sewer Plans</b>																
<b>ROW Acquisition</b>					08-Jan-14, ROW Acquisition											
<b>Right Of Way Acquisition</b>					08-Jan-14, Right Of Way Acquisition											
A1370	VDOT Appraisal Review & Approve	21	17-Apr-13	07-May-13	VDOT Appraisal Review & Approve											
A1380	Prepare and Deliver Offer	5	08-May-13	14-May-13	Prepare and Deliver Offer											
A1390	Negotiator Make Initial Contact / Present	10	15-May-13	29-May-13	Negotiator Make Initial Contact / Present											
A2340	Negotiations	40	30-May-13	25-Jul-13	Negotiations											
A2410	Obtain Signed Option	5	26-Jul-13	01-Aug-13	Obtain Signed Option											
A2420	Option / Settlement Docs Submitted to VDOT	5	02-Aug-13	08-Aug-13	Option / Settlement Docs Submitted to VDOT											
A2430	VDOT Reviews Settlement Documents	21	09-Aug-13	29-Aug-13	VDOT Reviews Settlement Documents											
A2440	Settlement Documents to Settlement Attorney	2	30-Aug-13	03-Sep-13	Settlement Documents to Settlement Attorney											
A2450	Obtain Release of Lein	60	04-Sep-13	26-Nov-13	Obtain Release of Lein											
A2460	Notice to VDOT that all Leins are Cleared	1	27-Nov-13	27-Nov-13	Notice to VDOT that all Leins are Cleared											
A2480	Settlement Atty Holds Settlement / Records Documents	10	23-Dec-13	07-Jan-14	Settlement Atty Holds Settlement / Records Documents											
A2530	Property Access for Utilities- If by Settlement	0	08-Jan-14		Property Access for Utilities- If by Settlement											
<b>Environmental Permits</b>																
<b>Joint Wetlands and Waters Permit</b>																
<b>VSMP Permit</b>																
<b>Utility Relocations</b>					15-Apr-14, Utility Relocations											
A1500	Relocate Verizon	35	08-Jan-14	25-Feb-14	Relocate Verizon											
A1505	Relocate Dominion VA Power	35	26-Feb-14	15-Apr-14	Relocate Dominion VA Power											
<b>Construction</b>					13-Oct-14, Construction											
<b>MOT</b>					14-Aug-14, MOT											
A1900	Install New Signals/Timing	10	01-Aug-14	14-Aug-14	Install New Signals/Timing											
<b>Bridge</b>																
<b>Culvert/Channel</b>																
<b>Sound Wall</b>																
<b>Earthwork/Drainage/ Misc</b>					13-Oct-14, Earthwork/Drainage/ Misc											
A1790	Construct Embankment Northern end of Sycolin Rd	15	16-Apr-14	06-May-14	Construct Embankment Northern end of Sycolin Rd											

█ Actual Work    
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Activity ID	Activity Name	Original Duration	Start	Finish	2013				2014				2015	
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
A1814	Install Pipe Runs Sta 122+00 to 130+00	30	07-May-14	18-Jun-14										
A1820	Finegrade Roadway Sta 122+00 to 130+00	10	19-Jun-14	02-Jul-14										
A1830	Subgrade Roadway Sta 122+00 to 130+00	5	03-Jul-14	10-Jul-14										
A1840	Asphalt Roadway Sta 122+00 to 130+00	5	18-Jul-14	24-Jul-14										
A1850	Striping and Signage	5	25-Jul-14	31-Jul-14										
A2040	Install Curb and Gutter Sta 112+00 to 119+00	5	11-Jul-14	17-Jul-14										
A2160	PunchList	41	15-Aug-14	13-Oct-14										

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#### 4.4.6 SCHEDULE OF VALUES

**Attachment 4.4.6  
State Project 6007-053-S96  
SCHEDULE OF VALUES**

This schedule of values shall identify the material quantities and costs of each proposed work package, using the WBS established in the Proposal Schedule submitted by the Offeror. The material quantities and costs listed for each proposed work package shall, to the extent possible, correspond to VDOT's list of standard and non-standard pay items. Any items considered for price adjustments shall be identified. The value associated with each work task shall be inclusive of all direct and indirect costs, overhead, profit and any other expenses of any kind. The values and quantities shall be clearly supported by the escrowed pricing documents.

Activity ID <sup>1</sup>	Item Description	Fuel (F) or Price (P) Adjustment	Item Number	Material Description	Quantity	Unit	Unit Price	Scheduled Value (\$)
A1000	Notice to Proceed			Bond	1.00	LS	\$ 110,180.00	\$ 110,180.00
A1002	Scope Validation						\$ -	\$ -
A1005	Notice to Proceed for Construction						\$ -	\$ -
A1010	Sycolin Rd Shut Down						\$ -	\$ -
A1020	Interim Milestone Re Open Sycolin Rd						\$ -	\$ -
A1030	Substantial and Final Completion						\$ -	\$ -
A1035	Send 15 Day Property Owner Notification				1.00	LS	\$ 15,520.00	\$ 15,520.00
A1040	Roadway Design				1.00	LS	\$ 402,070.00	\$ 402,070.00
A1046	Complete Sound Study				1.00	LS	\$ 80,410.00	\$ 80,410.00
A1050	Supplemental Survey and Mapping				1.00	LS	\$ 86,850.00	\$ 86,850.00
A1060	Supplemental Utility Designations and Test				1.00	LS	\$ 13,400.00	\$ 13,400.00
A1070	Geotechnical Investigations				1.00	LS	\$ 183,880.00	\$ 183,880.00
A1080	VDOT Review Geotechnical Report						\$ -	\$ -
A1090	Submit Roadway Plans (1st Submission)				1.00	LS	\$ 20,100.00	\$ 20,100.00
A1100	VDOT Review/Comment Roadway Plans (1st Submission)						\$ -	\$ -
A1110	Prep Roadway Plans (2nd Submission)				1.00	LS	\$ 174,230.00	\$ 174,230.00
A1120	Submit Roadway Plans (2nd Submission)				1.00	LS	\$ 20,100.00	\$ 20,100.00
A1130	VDOT Review/Comment Roadway Plans (2nd Submission)						\$ -	\$ -
A1140	Prepare Final Roadway Plans				1.00	LS	\$ 80,410.00	\$ 80,410.00
A1150	Submit Roadway Plans (Final Submission)				1.00	LS	\$ 6,700.00	\$ 6,700.00
A1160	VDOT Review/Approve Final Roadway Plans						\$ -	\$ -
A1170	Prep/Submit Water & Sewer Relocation Plans				1.00	LS	\$ 20,100.00	\$ 20,100.00
A1180	Town of Leesburg Review/Comment						\$ -	\$ -
A1190	Prep/Submit Final Water & Sewer Relocation Plans				1.00	LS	\$ 6,700.00	\$ 6,700.00
A1200	Town of Leesburg Review/Approve Final Water & Sewer Plans						\$ -	\$ -
A1210	Complete Wetland Delineations						\$ -	\$ -
A1220	Complete Unified Stream Methodology						\$ -	\$ -
A1230	Obtain COE Jurisdictional Determinations						\$ -	\$ -
A1240	Prepare Joint Wetlands and Waters Permits						\$ -	\$ -
A1245	Acquire Environmental Mitigation						\$ 62,800.00	\$ 62,800.00
A1250	Submit JPA to Agencies						\$ -	\$ -
A1280	Agency Review of JPA						\$ -	\$ -
A1290	JPA Approved						\$ -	\$ -
A1300	Prepare and Submit VSMP Permit						\$ -	\$ -
A1310	Agency Review of VSMP						\$ -	\$ -
A1320	VSMP Permit Approved						\$ -	\$ -
A1330	Begin ROW Acquisition						\$ -	\$ -
A1340	Title Research						\$ 9,790.00	\$ 9,790.00
A1350	Appraisal						\$ 20,520.00	\$ 20,520.00
A1360	Independent Appraisal Review						\$ 7,770.00	\$ 7,770.00
A1365	Submit Appraisal to VDOT						\$ -	\$ -
A1370	VDOT Appraisal Review & Approve						\$ -	\$ -
A1380	Prepare and Deliver Offer						\$ 4,970.00	\$ 4,970.00
A1390	Negotiator Make Initial Contact / Present						\$ -	\$ -
A1450	Hold UFI Meetings						\$ -	\$ -
A1460	Utility Design Relocations						\$ -	\$ -
A1470	Design Builder Approves P&E						\$ -	\$ -
A1480	Submit P&E to VDOT						\$ -	\$ -
A1490	VDOT Approves P&E						\$ -	\$ -
A1495	Temporary Relocate Dominion Va Power and Verizon				1.00	LS	\$ 145,280.00	\$ 145,280.00
A1500	Relocate Verizon				1.00	LS	\$ 290,560.00	\$ 290,560.00
A1505	Relocate Dominion VA Power				1.00	LS	\$ 290,560.00	\$ 290,560.00
A1510	12" Gas Relocation				800.00	LF	\$ 229,820.00	\$ 229,820.00
A1520	Relocate 16" Waterline	F	10468	Cover Matl. Aggr. No. 68	396.40	TN	\$ 126,430.00	\$ 126,430.00
A1535	Relocate 24" waterline	F	10468	Cover Matl. Aggr. No. 68	396.40	TN	\$ 139,720.00	\$ 139,720.00
A1570	Excavate Pier Footing	F	64011	Structural Excavation	1500.00	CY	\$ 52,080.00	\$ 52,080.00
A1575	Install Pier Footing Piles				45.00	EA	\$ 180,350.00	\$ 180,350.00
A1578	Mobilization				1.00	LS	\$ 531,635.00	\$ 531,635.00
A1580	Shut Down Sycolin Road / Set Up Detours				1.00	LS	\$ 26,130.00	\$ 26,130.00
A1590	FRP Pier Footing	F	60403	Concrete Class A3	110.00	CY	\$ 69,990.00	\$ 69,990.00
A1600	FRP Pier Stern	F	60403	Concrete Class A3	60.00	CY	\$ 57,660.00	\$ 57,660.00
A1610	FRP Pier Cap	F	60403	Concrete Class A3	102.00	CY	\$ 114,030.00	\$ 114,030.00
A1611	Install TL 5				380.00	LF	\$ 131,650.00	\$ 131,650.00
A1620	Install Abutment A MSE Wall	F	10065	Aggr. Matl. No. 1	7285.20	TN	\$ 777,040.00	\$ 777,040.00
A1630	Install Abutment A Piles				18.00	EA	\$ 93,170.00	\$ 93,170.00
A1640	FRP Abutment A	F	60403	Concrete Class A3	108.50	CY	\$ 88,640.00	\$ 88,640.00
A1650	Install Abutment B MSE Wall	F	10065	Aggr. Matl. No. 1	4895.80	TN	\$ 518,020.00	\$ 518,020.00
A1660	Install Abutment B Piles				18.00	EA	\$ 93,170.00	\$ 93,170.00
A1670	FRP Abutment B	F	60403	Concrete Class A3	108.50	CY	\$ 88,640.00	\$ 88,640.00
A1680	Set Girders Spans				14.00	EA	\$ 785,490.00	\$ 785,490.00
A1690	Install SIP forms				19520.00	SF	\$ 77,680.00	\$ 77,680.00
A1700	Install Overhangs				524.00	LF	\$ 65,460.00	\$ 65,460.00
A1710	FRP Deck	F	60404	Concrete Class A4	675.00	CY	\$ 396,790.00	\$ 396,790.00
A1714	FRP Approach Slab Abut A	F	60403	Concrete Class A3	48.00	CY	\$ 26,040.00	\$ 26,040.00
A1715	FRP Approach Slab Abut B	F	60403	Concrete Class A3	48.00	CY	\$ 26,040.00	\$ 26,040.00
A1720	FRP Parapets				786.00	LF	\$ 202,270.00	\$ 202,270.00
A1730	Install Handrail/Bikeral				786.00	LF	\$ 44,340.00	\$ 44,340.00
A1750	Divert Stream Channel				1.00	LS	\$ 11,800.00	\$ 11,800.00
A1760	Demo Existing Box Culvert				1.00	LS	\$ 47,210.00	\$ 47,210.00
A1770	Install 3 Lines 84" Pipes				480.00	LF	\$ 274,810.00	\$ 274,810.00
A1780	Backfill 84" Pipes	F	00505	Bedding Matl. Aggr. No. 25 or 26	1109.50	TN	\$ 66,650.00	\$ 66,650.00
A1790	Construct Embankment Northern end of Sycolin Rd	F	00120	Regular Excavation	8160	CY	\$ -	\$ -
		F	00140	Borrow Excavation	31641	CY	\$ 259,050.00	\$ 259,050.00
A1800	Construct Embankment Southern end of Sycolin Rd	F	00120	Regular Excavation	5440	CY	\$ -	\$ -
		F	00140	Borrow Excavation	21094	CY	\$ 172,700.00	\$ 172,700.00
A1810	Install 48" Pipe Culvert	F	00505	Bedding Matl. Aggr. No. 25 or 26	79.25	TN	\$ -	\$ -
		F	26271	NS Dry Rip Rap	200	TN	\$ 56,440.00	\$ 56,440.00
A1812	Extend 42" Pipe Culvert	F	00505	Bedding Matl. Aggr. No. 25 or 26	79.25	TN	\$ -	\$ -
		F	26271	NS Dry Rip Rap	200	TN	\$ 19,270.00	\$ 19,270.00
A1813	Install Pipe Runs sta 112+00 to 119+00	F	00505	Bedding Matl. Aggr. No. 25 or 26	158.50	TN	\$ 104,490.00	\$ 104,490.00
A1814	Install Pipe Runs Sta 122+00 to 130+00	F	00505	Bedding Matl. Aggr. No. 25 or 26	158.50	TN	\$ 156,730.00	\$ 156,730.00
A1820	Finegrade Roadway Sta 122+00 to 130+00				7362.00	SY	\$ 28,570.00	\$ 28,570.00
A1822	Finegrade Roadway Sta 112+00 to 119+00				4698.00	SY	\$ 19,040.00	\$ 19,040.00
A1830	Subgrade Roadway Sta 122+00 to 130+00	F	10128	Aggr. Base Matl. Ty. I No. 21B	3336.00	TN	\$ 104,630.00	\$ 104,630.00
A1832	Subgrade Roadway Sta 112+00 to 119+00	F	10128	Aggr. Base Matl. Ty. I No. 21B	2224.00	TN	\$ 69,750.00	\$ 69,750.00
A1840	Asphalt Roadway Sta 122+00 to 130+00	F,P	10610	Asphalt Concrete Ty. IM-19.0A	615	TN	\$ -	\$ -
		F,P	10636	Asphalt Concrete Ty. SM 9.5D	998	TN	\$ -	\$ -
		F,P	10642	Asphalt Concrete Ty. BM-25.0A	1911	TN	\$ 311,740.00	\$ 311,740.00
A1845	Asphalt Roadway Sta 112+00 to 119+00	F,P	10610	Asphalt Concrete Ty. IM-19.0A	410	TN	\$ -	\$ -
		F,P	10636	Asphalt Concrete Ty. SM 9.5D	667	TN	\$ -	\$ -
		F,P	10642	Asphalt Concrete Ty. BM-25.0A	1274	TN	\$ 207,830.00	\$ 207,830.00
A1850	Striping and Signage				1.00	LS	\$ 79,100.00	\$ 79,100.00
A1851	Prepare / Submit Shop Drawings				1.00	LS	\$ 137,740.00	\$ 137,740.00
A1852	Review / Approve Shop Drawings						\$ -	\$ -
A1853	Fabricate Soundwall posts				1.00	LS	\$ 137,740.00	\$ 137,740.00
A1854	Fabricate Soundwall Panels				1.00	LS	\$ 183,650.00	\$ 183,650.00
A1855	Demo existing Sycolin Rd	F	24430	Demo Existing Pavement (Flexible)	14215.00	SY	\$ 73,860.00	\$ 73,860.00
A1860	Drill Soundwall A Foundation				1.00	LS	\$ 114,780.00	\$ 114,780.00
A1870	Demo Existing Signals				4.00	EA	\$ 22,610.00	\$ 22,610.00

**Attachment 4.4.6**  
**State Project 6007-053-S96**  
**SCHEDULE OF VALUES**

This schedule of values shall identify the material quantities and costs of each proposed work package, using the WBS established in the Proposal Schedule submitted by the Offeror. The material quantities and costs listed for each proposed work package shall, to the extent possible, correspond to VDOT's list of standard and non-standard pay items. Any items considered for price adjustments shall be identified. The value associated with each work task shall be inclusive of all direct and indirect costs, overhead, profit and any other expenses of any kind. The values and quantities shall be clearly supported by the escrowed pricing documents.

Activity ID <sup>1</sup>	Item Description	Fuel (F) or Price (P) Adjustment	Item Number	Material Description	Quantity	Unit	Unit Price	Scheduled Value (\$)
A1875	Install MOT on 7/15 Bypass				1.00	LS	\$ 77,430.00	\$ 77,430.00
A1880	Construct new detours/change timing				1.00	LS	\$ 58,070.00	\$ 58,070.00
A1890	Remove Detours				1.00	LS	\$ 19,360.00	\$ 19,360.00
A1900	Install New Signals/Timing				1.00	LS	\$ 38,710.00	\$ 38,710.00
A1910	Install 2 EA Sanitary MH's and 200 LF of Casing	F	10468	Cover Matl. Aggr. No. 68	198.20	TN	\$ 57,680.00	\$ 57,680.00
A1920	Mill and Overlay Project Limits	F	10628	Flexible Pavement Planning 0" - 2"	11895.00	SY	\$ 149,310.00	\$ 149,310.00
A1930	Clear and Grub Along 7/15 Bypass				1.00	LS	\$ 18,320.00	\$ 18,320.00
A1940	Initial Survey/Layout				1.00	LS	\$ 123,970.00	\$ 123,970.00
A1950	Install Construction Access/ Initial E&S Devices	F	09150	Erosion Control Stone Class 1, EC-1	100.00	TN	\$ 86,190.00	\$ 86,190.00
A1960	Install Guardrail Along Sycolin Rd				163.00	LF	\$ 10,310.00	\$ 10,310.00
A1970	Install Pedestrian Fence				524.00	LF	\$ 36,530.00	\$ 36,530.00
A1980	Moment Slab / Coping Parapet				1.00	LS	\$ 88,680.00	\$ 88,680.00
A1990	Groove Bridge Deck				1515.00	SY	\$ 5,260.00	\$ 5,260.00
A2000	VDOT Bridge Safety Inspection						\$ -	\$ -
A2020	Install Sight Lighting				1.00	LS	\$ 157,010.00	\$ 157,010.00
A2030	Install Sidewalk				910.00	SY	\$ 36,520.00	\$ 36,520.00
A2035	Install Asphalt Trail	F, P	10635	Asphalt Concrete Ty. SM 9.5A	1030	TN		
A2040	Install Curb and Gutter Sta 112+00 to 119+00	F	16242	Aggr. Base Matl. Ty. I or II No. 21A or 21B	3185	TN	\$ 53,750.00	\$ 53,750.00
A2050	Install Curb and Gutter 122+00 to 130+00				1742.00	LF	\$ 38,650.00	\$ 38,650.00
A2060	Install Wingwall on triple culvert				2613.00	LF	\$ 57,970.00	\$ 57,970.00
A2080	Install Soundwall A Foundation				2.00	EA	\$ 41,060.00	\$ 41,060.00
A2090	Install Soundwall A Posts				1.00	LS	\$ 160,700.00	\$ 160,700.00
A2100	Install Soundwall A Panels				1.00	LS	\$ 91,830.00	\$ 91,830.00
A2110	Drill Soundwall B Foundation				1.00	LS	\$ 91,830.00	\$ 91,830.00
A2120	Install Soundwall B Foundations				1.00	LS	\$ 153,040.00	\$ 153,040.00
A2130	Install Soundwall B Posts				1.00	LS	\$ 214,260.00	\$ 214,260.00
A2140	Install Soundwall B Panels				1.00	LS	\$ 122,440.00	\$ 122,440.00
A2150	Install Guardrail Along 7/15 Bypass				1.00	LS	\$ 122,440.00	\$ 122,440.00
A2160	Punchlist				1467.00	LF	\$ 61,930.00	\$ 61,930.00
A2180	Tie In 16" Waterline				1.00	LS	\$ 12,440.00	\$ 12,440.00
A2189	Bridge Geotechnical Investigations & Preliminary Recommendations				2.00	EA	\$ 6,650.00	\$ 6,650.00
A2190	Bridge Design						\$ -	\$ -
A2200	Submit Bridge Plans (1st Submission)				1.00	LS	\$ 187,630.00	\$ 187,630.00
A2210	VDOT Review/Comment Bridge Plans (1st Submission)						\$ -	\$ -
A2250	Prepare Final Bridge Plans				1.00	LS	\$ 6,700.00	\$ 6,700.00
A2260	Submit Bridge Plans (Final Submission)				1.00	LS	\$ 53,610.00	\$ 53,610.00
A2270	VDOT Review/Approve Final Bridge Plans						\$ -	\$ -
A2290	Submit ROW Plans (1st Submission)				1.00	LS	\$ 6,700.00	\$ 6,700.00
A2300	VDOT Review/Comment ROW Plans (1st Submission)						\$ -	\$ -
A2310	Prepare Final ROW Plans				1.00	LS	\$ 33,510.00	\$ 33,510.00
A2320	Submit ROW Plans (Final Submission)				1.00	LS	\$ 20,100.00	\$ 20,100.00
A2330	VDOT Review/Approve ROW Plans				1.00	LS	\$ 13,400.00	\$ 13,400.00
A2340	Negotiations						\$ -	\$ -
A2350	Send Notice of Filing Certificate to property						\$ 4,970.00	\$ 4,970.00
A2360	Prepare / Finalize Plat						\$ 150.00	\$ 150.00
A2370	Prepare Certificate Package						\$ -	\$ -
A2380	Submit Certificate Package to VDOT						\$ 310.00	\$ 310.00
A2390	VDOT Reviews / Issues Certificate & Check						\$ -	\$ -
A2400	Design Builder Files Certificate @ Court House						\$ -	\$ -
A2410	Obtain Signed Option						\$ 120.00	\$ 120.00
A2420	Option / Settlement Docs Submitted to VDOT						\$ 4,970.00	\$ 4,970.00
A2430	VDOT Reviews Settlement Documents						\$ -	\$ -
A2440	Settlement Documents to Settlement Attorney						\$ -	\$ -
A2450	Obtain Release of Lien						\$ -	\$ -
A2460	Notice to VDOT that all Leins are Cleared						\$ 2,240.00	\$ 2,240.00
A2470	VDOT Issues Settlement Check						\$ -	\$ -
A2480	Settlement Atty Holds Settlement / Records Documents						\$ -	\$ -
A2490	Property Access for Construction - If by certificate						\$ 3,730.00	\$ 3,730.00
A2500	Property Access for utilities - If by certificate						\$ -	\$ -
A2520	Property Access for Construction - If by Option						\$ -	\$ -
A2530	Property Access for Utilities- If by Settlement						\$ -	\$ -
A2540	ROW Aquisition Complete						\$ -	\$ -

**\$ 12,185,855.00**



### Monthly Payment Schedule

Month	Projected Monthly Total	Projected Cumulative Total
December 2012	\$ 313,868.00	\$ 313,868
January 2013	\$ 510,276.00	\$ 824,144
February 2013	\$ 468,182.00	\$ 1,292,326
March 2013	\$ 201,240.00	\$ 1,493,566
April 2013	\$ 143,908.00	\$ 1,637,474
May 2013	\$ 221,411.00	\$ 1,858,885
June 2013	\$ 955,854.00	\$ 2,814,739
July 2013	\$ 595,462.00	\$ 3,410,201
August 2013	\$ 717,350.00	\$ 4,127,551
September 2013	\$ 1,201,864.00	\$ 5,329,415
October 2013	\$ 929,472.00	\$ 6,258,887
November 2013	\$ 986,924.00	\$ 7,245,811
December 2013	\$ 696,042.00	\$ 7,941,853
January 2014	\$ 632,210.00	\$ 8,574,063
February 2014	\$ 762,108.00	\$ 9,336,171
March 2014	\$ 590,662.00	\$ 9,926,833
April 2014	\$ 866,820.00	\$ 10,793,653
May 2014	\$ 602,326.00	\$ 11,395,979
June 2014	\$ 542,126.00	\$ 11,938,105
July 2014	\$ 188,854.00	\$ 12,126,959
August 2014	\$ 46,456.00	\$ 12,173,415
September 2014	\$ 2,488.00	\$ 12,175,903
October 2014	\$ 9,952.00	\$ 12,185,855



## 4.4 POST NOTICE OF INTENT TO AWARD SUBMITTAL

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### 4.4.8 ESCROW PROPOSAL DOCUMENT

Please see document under separate cover.