

# A Design Build Project for Route 35 Bridge Replacement

From: 0.072 Miles West of Southampton County Line  
To: 0.364 Miles West of Southampton County Line  
Southampton County, Virginia

Project No.: (NFO) 0035-087-112, PE-101, RW-201, C-501, B-604  
Federal Project No.: BR-087-5(014)  
Contract ID Number: C00081457DB57



Submitted to:



Submitted by:



in association with **RK&K**

**ATTACHMENT 4.0.1.1**  
**ROUTE 35 BRIDGE REPLACEMENT**  
**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	1 - 2
<b>Acknowledgement of RFP, Revisions, and/or Addenda</b>	Attachment 3.4 (Form C-78-RFP)	Sections 3.4; 4.0.1.1	3
<b>Letter of Submittal</b>	NA	Sections 4.1	4 - 6
Letter of Submittal on Offeror's letterhead	NA	Section 4.1.1	4
Offeror's full legal name and address	NA	Section 4.1.1	4
Authorized representative's original signature	NA	Section 4.1.1	6
Declaration of intent	NA	Section 4.1.2	5
120 day declaration	NA	Section 4.1.3	5
Point of Contact information	NA	Section 4.1.4	5
Principal Officer information	NA	Section 4.1.5	5
Offeror's Corporate Structure	NA	Section 4.1.6	6
Full Legal Name of Lead Contractor and Lead Designer	NA	Section 4.1.7	6
Offeror's VDOT prequalification information	NA	Section 4.1.8	6
DBE statement confirming Offeror is committed to achieving the required 12% DBE goal	NA	Section 4.1.9	6
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**ATTACHMENT 4.0.1.1**  
**ROUTE 35 BRIDGE REPLACEMENT**  
**LETTER OF SUBMITTAL CHECKLIST AND CONTENTS**

<b>Letter of Submittal Component</b>	<b>Form (if any)</b>	<b>RFP Part 1 Cross Reference</b>	<b>Page Reference</b>
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Full size copies of DPOR licenses and SCC registrations	NA	Section 4.2.5	19
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**ATTACHMENT 3.4****COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION**

RFP NO. C00081457DB57  
 PROJECT NO.: (NFO) 0035-087-112, PE-101, RW-201, C-501, B-604

**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 3, 2013 – RFP  
(Date)
2. Cover letter of August 13, 2013 – RFP Addendum No. 1  
(Date)
3. Cover letter of August 20, 2013 – RFP Addendum No. 2  
(Date)
4. Cover letter of September 4, 2013 – RFP Addendum No. 3  
(Date)

English Construction Company, Inc.

  
SIGNATURE

September 11, 2013  
DATE

John M. Jordan, Jr.  
PRINTED NAME

Senior Vice President  
TITLE



## ***Section 4.1***

# ***4.1 Letter of Submittal***



*in association with* **RK&K**



615 Church Street, Lynchburg, Virginia 24504  
P. O. Box P-7000, Lynchburg, Virginia 24505  
Tel: (434) 845-0301 Fax: (434) 845-0306

#### 4.1 LETTER OF SUBMITTAL

September 11, 2013

Commonwealth of Virginia  
Department of Transportation (VDOT)  
Central Office Mail Center  
Loading Dock Entrance  
1401 E. Broad Street  
Richmond, Virginia 23219  
Attention: Brenda L. Williams

**RE: A Design-Build Project – Route 35 Bridge Replacement, From: 0.072 Miles West of Southampton County Line, To: 0.364 Mile West of Southampton County Line, Southampton, VA.**

State Project No. (NFO) 0035-087-112, PE-101, RW-201, C-501, B-604;  
Federal Project No. BR-087-5(014); Contract ID Number: C00081457DB57

Dear Ms. Williams:

English Construction Company, Inc. (English) is pleased to submit its Statement of Qualifications for the above referenced design-build project with the Virginia Department of Transportation (VDOT). Our proposal response contains a detailed plan on how we will staff and manage the design and construction of this assignment, fully integrating VDOT as our teaming partner. Our team's combined experience enables us to deliver the kind of high quality and technically sound project VDOT has come to expect from each of our team members.

English is the Offeror and will be the overall authority on the project as well as the Lead Contractor. Other team members with responsibilities for engineering design, right-of-way, and construction quality assurance will enter into sub-agreements with English for this project. English's Design-Build Project Manager will coordinate and direct these functions to ensure effective project progress and completion.

English was founded in 1909 and has been constructing bridges and heavy civil works for more than 50 years. Throughout our history, English has an unmatched level of success in completing large, complex projects with aggressive schedules. See Work History for detailed listings of the recent relevant project experience.

English will lead the design-build team, composed of the following skilled consultant partners we know will bring valuable expertise to this project, as they possess a considerable and practical working

knowledge of VDOT, its processes, and of the project corridor. The design effort will be led by Rummel, Klepper & Kahl (RK&K).

Following is a table of design partners that we will utilize to successfully complete this project.

<i>Firm</i>	<i>Primary VA Location</i>	<i>DBE/SWaM Status</i>	<i>Major Project Role</i>
<b>Rummel, Klepper &amp; Kahl, LLP (RK&amp;K)</b>	Richmond	N/A	Design project management, engineering design, QA
<b>Schnabel Engineering Consultants, Inc. (SEC)</b>	Richmond	N/A	Geotechnical engineering, Quality Assurance Laboratory
<b>Bowman Consulting</b>	Richmond	N/A	Survey and Right-of-Way
<b>H&amp;B Surveying and Mapping, LLC</b>	Richmond	DBE/SWaM #679423	Survey and Mapping
<b>NXL Construction Company, Inc.</b>	Richmond	DBE/MBE #626437	QAM Services

**4.1.2: Offeror’s Intent:** The English Team understands VDOT’s goals and objectives for this project. Our project approach will be to establish and implement design and construction processes by fully integrating the project’s goals, maintaining high quality, and accelerating the schedule. Our team has established the specific responsibilities for each element of our organizational structure. We have structured our Team to ensure design documents are prepared in accordance with sound, prudent, and accepted engineering practices conforming to VDOT, FHWA, and other federal, state, and local standards. Our Team stands ready to meet these challenges and exceed VDOT’s expectations related to these goals.

**4.1.3: Pursuant to Part 1, Section 8.2:** We declare that the offer represented by the Price Proposal will remain in full force and effect for one hundred twenty (120) days after the date of the Proposal is submitted to VDOT (“Letter of Submittal & Price Proposal Due Date”).

**4.1.4: Offeror’s Point of Contact:** John M. Jordan, Jr. is the official representative and point of contact for the English team relative to the SOQ. His contact information is listed below.

John M. Jordan, Jr., Senior Vice President  
English Construction Company, Inc.  
P. O. Box P-7000  
Lynchburg, VA 24505  
Tel: (434) 845-0301 | Fax: (434) 845-0306 | Email: [jjordan@englishconst.com](mailto:jjordan@englishconst.com)

**4.1.5: Principal Officer:** John M. Jordan, Jr. is the principal officer of English Construction Company, Inc., the legal entity with whom a design-build contract with VDOT will be written.

**4.1.6: Offeror's Organizational Structure:** English is structured as a corporation and is not a limited liability company, joint venture, or any form of partnership. English will undertake the financial responsibility for this design-build project, provide the required bonding, and accept the risks and liabilities for the performance of the work. English has no liability limitations.

**4.1.7: Full Legal Name of Both the Lead Contractor and the Lead Designer:**

Lead Contractor – English Construction Company, Inc.

Lead Designer – Rummel, Klepper & Kahl, LLP (RK&K)

**4.1.8: Offeror's VDOT Prequalification Number and Current VDOT Prequalification State:**

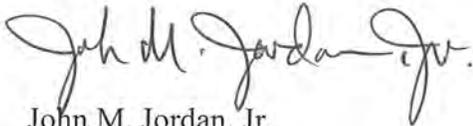
English is prequalified to do business with VDOT and their number is E008. Please find their certificate in Section 4.2.3 under the Attachments to the Letter of Submittal tab.

**4.1.9: DBE Participation Goal:** English Construction Company, Inc. supports the Disadvantaged Business Enterprise program and is committed to achieving at least 12% of the design and construction of this project utilizing the services of organizations certified as Disadvantaged Business Enterprises.

**4.1.10: Offeror's Proposed Interim Milestone and Final Completion Date:** The proposed Interim Milestone is November 16, 2015 and Final Completion date is November 30, 2015.

The entire English Team appreciates you taking the time to review our Statement of Qualifications and we look forward to working with VDOT on this project.

Respectfully,



John M. Jordan, Jr.

Senior Vice President

English Construction Company, Inc.



## *Section 4.2*

# *Attachments to the Letter of Transmittal*



*in association with* **RK&K**



## ***Section 4.2.1***

### ***Offeror's Affiliated and/or Subsidiary Companies***



*in association with* **RK&K**

**ATTACHMENT 4.2.1**

**State Project No. 0035-087-112, PE-101, RW-201, C-501, B-604**

**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>

<b>Relationship with Offeror (Affiliate or Subsidiary)</b>	<b>Full Legal Name</b>	<b>Address</b>
Affiliate	W.C. English, Incorporated	P.O. Box P7000 Lynchburg, VA 24505
Affiliate	Thomas Bros, LC	494 Glenmore Drive Salem, VA 24153
Affiliate	Lee Construction Company of the Carolinas, Inc	P.O. Box 7667 Charlotte, NC 28241-7667
Affiliate	MCC Acquisition LC	P.O. Box 568 South Boston, VA 24592
Affiliate	Counts & Dobyys, Inc.	37 Leland Road Rustburg, VA 24027
Affiliate	Lakeside Centre, LLC	P.O. Box P7000 Lynchburg, VA 24505
Affiliate	Court Street Properties, LC	P.O. Box P7000 Lynchburg, VA 24505
Affiliate	First Choice Public-Private Partners, LLC	P.O. Box P7000 Lynchburg, VA 24505
Affiliate	Curles Neck Investments, LLC	P.O. Box P7000 Lynchburg, VA 24505
Subsidiary	Fairfield-Echols, LLC	P.O. Box P7000 Lynchburg, VA 24505
Affiliate	Adams Construction Company	P. O. Box 12627 Roanoke, VA 24027



## ***Section 4.2.2***

### ***Debarment Forms***



*in association with* **RK&K**

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

**Project No.: 0035-087-112, PE-101, RW-201, C-501, B-604**

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.

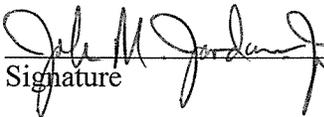
b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under 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.

 August 21, 2013  
Signature Date

John M. Jordan, Jr.  
Senior Vice President  
Title

English Construction Company, Inc.  
Name of Firm

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

**Project No.: 0035-087-112, PE-101, RW-201, C-501, B-604**

- 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.

	August 14, 2013	Partner
Signature	Date	Title

Rummel, Klepper & Kahl, LLP (RK&K)  
Name of Firm

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

**Project No.: 0035-087-112, PE-101, RW-201, C-501, B-604**

- 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.

RVA Clough      8/5/2013      Sp. Project Manager  
Signature      Date      Title

Bowman Consulting Group, Ltd.  
Name of Firm



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

**Project No.: 0035-087-112, PE-101, RW-201, C-501, B-604**

- 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

July 26, 2013

Date

Vice President

Title

H&B Surveying and Mapping, LLC

Name of Firm



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

**Project No.: 0035-087-112, PE-101, RW-201, C-501, B-604**

- 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	8/28/2013 _____ Date	President _____ Title
 D.T. Read Steel Co., Inc. _____ Name of Firm		



## ***Section 4.2.3***

### ***Offeror's VDOT Prequalification Certificate***



*in association with* **RK&K**

=====  
E008

ENGLISH CONSTRUCTION COMPANY, INCORPORATED  
PREQ. EXP : 04/30/2014

-----PREQ ADDRESS -----      WORK CLASSES (LISTED BUT NOT LIMITED TO)

P. O. BOX P-7000  
LYNCHBURG, VA 24505-7000  
PHONE : 434-845-0301  
FAX : 434-845-0306

002 - GRADING  
003 - MAJOR STRUCTURES  
007 - MINOR STRUCTURES

BUSINESS CONTACT: JORDAN, JR., JOHN MINOR

EMAIL: JJORDAN@ENGLISHCONST.COM

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

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



## ***Section 4.2.4***

### ***Letter of Surety***



*in association with* **RK&K**



Bond & Financial Products  
Construction Services  
300 Arboretum Parkway, #390  
Richmond, VA 23236  
Phone: (877) 828-4140  
Fax: (804) 330-6880

August 21, 2013

Commonwealth of Virginia  
Department of Transportation (VDOT)  
Central Office Mail Center  
Loading Dock Entrance  
1401 E. Broad Street  
Richmond, Virginia 23219  
Attention: Brenda L. Williams

RE: ***A Design-Build Project*** – Route 35 Bridge Replacement, From: 0.072 Miles West of Southampton County Line, To: 0.364 Mile West of Southampton County Line, Southampton, VA  
State Project No. (NFO) 0035-087-112, PE-101, RW-201, C-501, B-604;  
Federal Project No. BR-087-5(014); Contract ID Number: C00081457DB57

Dear Ms. Williams:

English Construction Company, Inc. has been a valued client of Travelers Casualty and Surety Company of America for over sixty years. During that time, we have maintained a working line of surety credit and have supported single bond requests up to the \$125,000,000. range and aggregate programs up to the \$500,000,000. range. These levels reflect our history with this client; however, they are not to be construed as limits. Given English's extensive experience and financial strength, we are certainly prepared to consider requests well in excess of these levels.

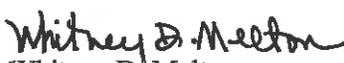
English Construction Company, Inc. is capable of obtaining a 100% Performance Bond and 100% Labor and Materials Payment Bond in the amount of the anticipated cost of construction and said bonds will cover the Project and any warranty periods on behalf of the Contractor, in the event that such firm be the successful bidder and enter into a contract for this project.

Travelers Casualty and Surety Company of America is licensed to transact surety business in all 50 states and is listed on the United States Department of Treasury list of acceptable surety companies. Travelers Casualty and Surety Company of America carries an A.M. Best rating of A+ and has a Financial Size Category of XV. The information contained in this letter is valid for a period of three (3) months from date of this letter.

Please feel free to contact us if you have any questions.

Sincerely,

TRAVELERS CASUALTY & SURETY COMPANY OF AMERICA

  
Whitney D. Melton  
Attorney-in-Fact

WDM/sll  
Power of Attorney Attached



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. 213509

Certificate No. 005184836

KNOW ALL MEN BY THESE PRESENTS: That Farmington Casualty Company, 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 are corporations duly organized under the laws of the State of Connecticut, 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

Whitney D. Melton, and Frances M. Saunders

of the City of Altavista, State of Virginia, 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 11th day of September, 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]
Robert L. Raney, Senior Vice President

On this the 11th day of September, 2012, before me personally appeared Robert L. Raney, 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 21<sup>st</sup> day of August, 20 13.

  
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.



## ***Section 4.2.5***

### ***SCC and DPOR Registration Information - Business***



*in association with* **RK&K**

## ATTACHMENT 4.2.5

### State Project No. 0035-087-112, PE-101, RW-201, C-501, B-604

#### SCC and DPOR Information - Businesses

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>							
Business Name	SCC Information (4.2.5.1)			DPOR Information (4.2.5.2)			
	SCC Number	SCC Type of Corporation	SCC Status	DPOR Registered Address	DPOR Registration Type	DPOR Registration Number	DPOR Expiration Date
English Construction Company, Inc.	0054199-5	Corporation	Active	P.O. Box P-7000 Lynchburg, VA 24504	Class A Contractor	2701000873	04-30-2014
Rummel, Klepper & Kahl, LLP (RK&K)	K000417-8	LLP	Active	2100 East Cary Street Suite 309 Richmond, VA 23223	ENG	0411000271	02-28-2014
				2901 South Lynnhaven Road Suite 300 Virginia Beach, VA 23452	ENG	0411000667	02-28-2014
				721 Lakefront Commons, Suite 203 Newport News, VA 23606	ENG	0411000443	02-28-2014
				81 Mosher Street Baltimore, MD 21217	ENG	0407002860	12-31-2013
Bowman Consulting Group, LTD	04481982	Corporation	Active	3951 Westerre Parkway Suite 150 Richmond, VA 23233	ENG	0411000610	02-28-2014
Schnabel Engineering Consultants, Inc.	07126741	Corporation	Active	One Cary Street Richmond, VA 23220	ENG	0411000700	02-28-2014
H & B Surveying & Mapping, LLC	S290560-4	LLC	Active	6112 Hull Street, Suite 101 B Richmond, VA 23224	LS	0407005432	12-31-2013
NXL Construction Company, Inc.	03497427	Corporation	Active	114 East Cary Street Suite 200 Richmond, VA 23219	ENG, LS	0407003031	12-31-2013
D.T. Read Steel Co., Inc.	0447740-2	Corporation	Active	1725 West Road Chesapeake, VS 23323	Class A Contractor	2705029510	06-30-2015



*Full Size Copies of SCC Registrations*



*in association with* **RK&K**

## English Construction Company, Inc.

SCC eFile  
**Business Entity Details** [Help](#)

**ENGLISH CONSTRUCTION COMPANY, INCORPORATED**

<p><b>General</b></p> <p>SCC ID: 00541995 Entity Type: Corporation Jurisdiction of Formation: VA Date of Formation/Registration: 12/16/1946 Status: Active Shares Authorized: 100000</p>	<p><b>Select an action</b></p> <p><a href="#">File a registered agent change</a> <a href="#">File a registered office address change</a> <a href="#">Resign as registered agent</a> <a href="#">File an annual report</a> <a href="#">Pay annual registration fee</a> <a href="#">Order a certificate of good standing</a> <a href="#">Submit a PDF for processing (What can I submit?)</a> <a href="#">View eFile transaction history</a> <a href="#">Manage email notifications</a></p> <p><a href="#">New Search</a> <a href="#">Home</a></p>
<p><b>Principal Office</b></p> <p>615 CHURCH STREET PO BOX P7000 LYNCHBURG VA24505</p>	
<p><b>Registered Agent/Registered Office</b></p> <p>JAMES P KENT JR 525 7TH ST PO BOX 299 ALTAVISTA VA 24517 CAMPBELL COUNTY 115 Status: Active Effective Date: 11/8/2005</p>	

Rummel, Klepper & Kahl, LLP (RK&K)

# Commonwealth of Virginia



## State Corporation Commission

### CERTIFICATE OF FACT

*I Certify the Following from the Records of the Commission:*

On September 25, 2001, a statement of registration as a foreign registered limited liability partnership was filed in this office by Rummel, Klepper & Kahl, LLP, a Maryland limited liability partnership.

This certificate of registration is in effect as of this date.

Nothing more is hereby certified.



CIS0357

*Signed and Sealed at Richmond on this Date:  
January 24, 2013*

*Joel H. Peck*  
Joel H. Peck, Clerk of the Commission



COMMONWEALTH OF VIRGINIA  
STATE CORPORATION COMMISSION

Office of the Clerk

June 5, 2013

CT CORPORATION SYSTEM  
4701 COX RD STE 301  
GLEN ALLEN, VA 23080-6802

RECEIPT

RE: RUMMEL, KLEPPER & KAHL, LLP

ID: K000417 - 8

DCN: 13-06-05-0507

Dear Customer:

This is your receipt for \$50.00 to cover the fee for filing the annual continuation report for the above-referenced registered limited liability partnership.

The annual continuation report was filed on June 5, 2013.

If you have any questions, please call (804) 371-9733 or toll-free in Virginia, 1-866-722-2551.

Sincerely,

Joel H. Peck  
Clerk of the Commission

GPACCEPT  
CIS0383

P.O. Box 1197, Richmond, VA 23218-1197  
Tyler Building, First Floor, 1300 East Main Street, Richmond, VA 23219-3630  
Clerk's Office (804) 371-9733 or (866) 722-2551 (toll-free in Virginia) [www.scc.virginia.gov/clk](http://www.scc.virginia.gov/clk)  
Telecommunications Device for the Deaf-TDD/Voice: (804) 371-9206

## Bowman Consulting Group, LTD

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---

**Business Entities**

---

**UCC or Tax Liens**

---

**Court Services**

---

**Additional Services**

### BOWMAN CONSULTING GROUP, LTD.

**General**

SCC ID: 04481982  
Entity Type: Corporation  
Jurisdiction of Formation: VA  
Date of Formation/Registration: 6/7/1995  
Status: Active  
Shares Authorized: 360000

**Principal Office**

3863 CENTERVIEW DRIVE  
SUITE 300  
CHANTILLY VA20151

**Registered Agent/Registered Office**

ROBERT A HICKEY  
3863 CENTERVIEW DR STE 300  
CHANTILLY VA 20151  
FAIRFAX COUNTY 129  
Status: Active  
Effective Date: 5/13/2004

**Select an action**

- [File a registered agent change](#)
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Screen ID: e1000

Need additional information? Contact: [scinfo@soc.virginia.gov](mailto:scinfo@soc.virginia.gov) Website questions? Contact: [webmaster@soc.virginia.gov](mailto:webmaster@soc.virginia.gov)  
We provide external links throughout our site. 

 PDF (.pdf) Reader    Excel (.xls) Viewer    PowerPoint (.ppt) Viewer    Word (.doc) Viewer  
Build #: 1.0.0.27709

## Schnabel Engineering Consultants, Inc.

Business Entity Details

Page 1 of 1

The screenshot displays the SCC eFile website interface. At the top, there is a navigation menu with links for Home, Site Map, About SCC, Contact SCC, and Privacy Policy. Below this is a secondary menu with categories like Business Entities/UCC, Financial Institutions, Insurance, Securities/Retail Franchising, Utility Regulation, Utility/Railroad Safety, Legal Support, and Admin. The main content area is titled "Welcome to SCC eFile Business Entity Details" and shows information for "Schnabel Engineering Consultants, Inc." with an SCC ID of 07126741. It lists the business entity type as Corporation, jurisdiction as VA, and formation date as 8/12/2009. The status is Active, and 10000 shares are authorized. Two office locations are provided: a Principal Office at 1054 TECHNOLOGY PARK DR, GLEN ALLEN, VA 23059, and a Registered Agent/Registered Office at CT CORPORATION SYSTEM, 4701 COX RD STE 301, GLEN ALLEN, VA 23060-6802, Henrico County, with an effective date of 6/16/2011. A "View Entity's eFile History" button is visible. On the right, there are "Quick Links" and a "Users are encouraged to create an SCC eFile account to:" section with a list of benefits and a "Login" / "Create Account" button. At the bottom, there are buttons for "Order certificate of good standing", "New Search", "Back", and "f".

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Additional Services

Welcome to SCC eFile  
**Business Entity Details**

**Schnabel Engineering Consultants, Inc.**

SCC ID: 07126741  
Business Entity Type: Corporation  
Jurisdiction of Formation: VA  
Date of Formation/Registration: 8/12/2009  
Status: Active  
Shares Authorized: 10000

**Principal Office**  
1054 TECHNOLOGY PARK DR  
GLEN ALLEN VA 23059

**Registered Agent/Registered Office**  
CT CORPORATION SYSTEM  
4701 COX RD STE 301  
GLEN ALLEN VA 23060-6802  
HENRICO COUNTY 143  
Status: Active  
Effective Date: 6/16/2011

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Screen ID: e1000

Need additional information? Contact: [scconfo@scv.virginia.gov](mailto:scconfo@scv.virginia.gov) Website questions? Contact: [webmaster@scv.virginia.gov](mailto:webmaster@scv.virginia.gov)

We provide external links throughout our site:

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Users are encouraged to create an SCC eFile account to:

- Conveniently monitor business entities through the use of a "Fav list"
- Perform easy step-by-step online transactions for certain types of such as registered agent changes
- Quickly access online filing history

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https://sccfile.scc.virginia.gov/BusinessEntity/BusinessEntityDetails.aspx?enc=KbW6czn... 1/5/2012

## H & B Surveying and Mapping, LLC

### SCC eFile Business Entity Details



#### H & B Surveying and Mapping, LLC

##### General

SCC ID: S2905604  
Entity Type: Limited Liability Company  
Jurisdiction of Formation: VA  
Date of Formation/Registration: 4/27/2009  
Status: Active

##### Principal Office

612 HULL STREET STE 101B  
RICHMOND VA23224

##### Registered Agent/Registered Office

TIMOTHY H GUARE  
TIMOTHY H GUARE PLC  
6802 PARAGON PL STE 100  
HENRICO VA 23230  
HENRICO COUNTY 143  
Status: Active  
Effective Date: 7/2/2009

##### Select an action

- [File a registered agent change](#)
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New Search

Home

## NXL Construction Company, Inc.

### Welcome to SCC eFile Business Entity Details

#### NXL Construction Co., Inc.

SCC ID: 03497427  
Business Entity Type: Corporation  
Jurisdiction of Formation: VA  
Date of Formation/Registration: 11/17/1989  
Status: Active  
Shares Authorized: 5,000

#### Principal Office

114 E CARY STREET SUITE 200

RICHMOND VA 23219

#### Registered Agent/Registered Office

NICOMEDES L DE LEON  
9606 GEORGE'S BLUFF RD

RICHMOND VA 23229  
HENRICO COUNTY

Status: Active  
Effective Date: 10/8/1998

[View Entity's eFile History](#)

Users are encouraged to create an SCC eFile account to:

- Conveniently monitor business entities through the use of a "Favorites" list
- Perform easy step-by-step online transactions for certain types of filings, such as registered agent changes
- Quickly access online filing history

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**D.T. Read Steel Co., Inc.**

CISM0180 CORPORATE DATA INQUIRY 08/29/13  
16:24:01

CORP ID: 0447740 - 2 STATUS: 00 ACTIVE STATUS DATE: 06/17/02  
CORP NAME: READ STEEL CO., INC., D. T.

DATE OF CERTIFICATE: 05/31/1995 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: DONALD T READ JR

STREET: 1725 WEST RD AR RTN MAIL:

CITY: CHESAPEAKE STATE : VA ZIP: 23323  
R/A STATUS: 2 OFFICER EFF. DATE: 08/16/05 LOC : 236  
ACCEPTED AR#: 213 06 8110 DATE: 04/10/13 CHESAPEAKE CITY  
CURRENT AR#: 213 06 8110 DATE: 04/10/13 STATUS: A ASSESSMENT INDICATOR: 0

YEAR	FEES	PENALTY	INTEREST	TAXES	BALANCE	TOTAL SHARES
13	220.00					25,000



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*in association with* **RK&K**

**English Construction Company, Inc.**

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
COMMONWEALTH OF VIRGINIA

EXPIRES ON  
04-30-2014

9960 Mayland Dr., Suite 400, Richmond, VA 23233  
Telephone: (804) 367-8500

NUMBER  
2701000873

BOARD FOR CONTRACTORS  
CLASS A CONTRACTOR  
\*CLASSIFICATIONS\* BLD H/H

ENGLISH CONSTRUCTION COMPANY INC  
PO BOX P-7000  
LYNCHBURG, VA 24504



*Gordon N. Dixon*  
Gordon N. Dixon, Director

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PROFESSIONS: ENG

RUMMEL KLEPPER & KAHL LLP  
RK&K  
2100 EAST CARY ST  
SUITE 309  
RICHMOND, VA 23223



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Gordon N. Dixon, Director

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PROFESSIONS: ENG

RUMMEL KLEPPER & KAHL LLP  
2901 S. LYNNHAVEN RD  
SUITE 300  
VIRGINIA BEACH, VA 23452



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Gordon N. Dixon, Director

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PROFESSIONS: ENG

RUMMEL KLEPPER & KAHL LLP  
RK & K  
721 LAKEFRONT COMMONS  
SUITE 203  
NEWPORT NEWS, VA 23606



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Gordon N. Dixon, Director

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RUMMEL KLEPPER & KAHL LLP  
81 MOSHER ST  
BALTIMORE, MD 21217



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Gordon N. Dixon, Director

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**Bowman Consulting Group, LTD**

**DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
COMMONWEALTH OF VIRGINIA**

9960 Mayland Dr., Suite 400, Richmond, VA 23233  
Telephone: (804) 367-8500

EXPIRES ON: 02-28-2014      NUMBER: 0411000610

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AND LANDSCAPE ARCHITECTS  
BUSINESS ENTITY BRANCH OFFICE REGISTRATION

PROFESSIONS: ENG

BOWMAN CONSULTING GROUP LTD  
3951 WESTERRE PARKWAY  
SUITE 150  
RICHMOND, VA 23233

  
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Gordon N. Dixon, Director

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**Schnabel Engineering Consultants, Inc.**

**DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
COMMONWEALTH OF VIRGINIA**

9960 Mayland Dr., Suite 400, Richmond, VA 23233  
Telephone: (804) 367-8500

EXPIRES ON: 02-28-2014      NUMBER: 0411000700

BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS  
AND LANDSCAPE ARCHITECTS  
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PROFESSIONS: ENG

SCHNABEL ENGINEERING CONSULTANTS, INC  
ONE CARY STREET  
RICHMOND, VA 23220

  
*Gordon N. Dixon*  
Gordon N. Dixon, Director

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**H & B Surveying and Mapping, LLC**

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
COMMONWEALTH OF VIRGINIA  
9960 Mayland Dr., Suite 400, Richmond, VA 23233  
Telephone: (804) 367-8500

EXPIRES ON  
12-31-2013

NUMBER  
0407005432

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AND LANDSCAPE ARCHITECTS  
BUSINESS ENTITY REGISTRATION

PROFESSIONS: LS

H & B SURVEYING & MAPPING LLC  
612 HULL ST  
SUITE 101B  
RICHMOND, VA 23224



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Gordon N. Dixon, Director

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**NXL Construction Company, Inc.**

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
COMMONWEALTH OF VIRGINIA  
9960 Mayland Dr., Suite 400, Richmond, VA 23233  
Telephone: (804) 367-8500

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12-31-2013

NUMBER  
0407003031

BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS  
AND LANDSCAPE ARCHITECTS  
BUSINESS ENTITY REGISTRATION

PROFESSIONS: ENG, LS

NXL CONSTRUCTION CO INC  
NXL CONSTRUCTION SERVICES INC  
114 E CARY ST STE 200  
RICHMOND, VA 23219



*Gordon N. Dixon*  
Gordon N. Dixon, Director

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ROUTE 35 BRIDGE REPLACEMENT | FROM 0.072 MILES WEST OF  
SOUTHAMPTON COUNTY LINE TO 0.364 MILES WEST OF  
SOUTHAMPTON COUNTY LINE  
CONTRACT ID NUMBER: C00081457DB57

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D.T. Read Steel Co., Inc.

**DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION**  
**COMMONWEALTH OF VIRGINIA**  
9960 Mayland Dr., Suite 400, Richmond, VA 23233  
Telephone: (804) 367-8500

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06-30-2015

**NUMBER**  
2705029510

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**\*CLASSIFICATIONS\* BLD H/H HVA**

D T READ STEEL CO INC  
D T READ CONTRACTING INC  
1725 WEST ROAD  
CHESAPEAKE, VA 23323



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Gordon N. Dixon, Director

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## *Section 4.2.6(a)*

### *Lead Contractor Work History*



*in association with* **RK&K**

**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>I-64/295 FLYOVER INTERCHANGE</b> Henrico Co., VA	<b>Virginia Department of Transportation</b>	<b>VA Department of Transportation</b> Phone: (804) 786-1630 Project Manager: Ray Johnston Phone: (804) 524-6433 Email: M.Johnston@VDOT.Virginia.gov	2009	May 2009	\$49,000	\$54,000	\$54,000

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.



This project consisted of the reconstruction of the I64/295 interchange in Henrico County. The 2.52 mile project involved a 2-lane flyover ramp for traffic movement from Eastbound I-64 to Eastbound I-295. It also relocated and widened the ramp from Westbound I-295 to Westbound I-64; widened I-64 to the East and West of I-295; and widened a section of Pouncey Tract Road. English's responsibilities included building two new bridges: The 1,765' long flyover bridge and the 338' long Pouncey Tract Road overpass of I-64. The existing I-295 bridge over I-64 was also rehabilitated as part of this project.

Other responsibilities included approximately 150, 000 CY of regular excavation and 70,000 CY of borrow excavation, as well as grading, drainage, asphalt paving, sound walls, retaining walls and signals. English was also responsible for the partial demolition of I-295 over I-64. Maintenance of Traffic on I-64 and I-295 throughout the life of the project was a major consideration and it played in on nearly all construction operations.

**Scope and Complexity:** The increase in the final contract value was constituted by owner directed changes that were part of increases in scope.

**Successful Delivery:** This project was delivered successfully within the contract time. The overall project was staged in a way to minimize traffic disruptions and this goal was met.

**Good Performance:** The good performance on this project is evidenced by the fact English received a bonus on this project for the high quality of the rideability of the bridge deck. VDOT's own testing showed where English exceeded expectations.

- ✓ Completed construction within the last 15 years.
- ✓ Major bridge structure construction project with a minimum construction value of \$5,000,000 for the bridge work.

**Relevance to this project:**

- ✓ Large Bridge
- ✓ Significant Capacity Cranes Required
- ✓ Contractor Designed Temporary Bridge Works
- ✓ Temporary Detours / Maintenance of Traffic
- ✓ Bridge Demolition Required



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>BRIDGE OVER INTRACOASTAL WATERWAY</b> Sunset Beach, NC	<b>North Carolina Department of Transportation</b>	<b>NC Department of Transportation</b> Project Services Unit, PO Box 25201 Raleigh, NC 27612 Mr. Wayne Currie, PE Resident Engineer Phone: (910) 251-2691 Email: wcurrie@ncdot.gov	2010	2010	\$30,989	\$30,989	\$30,989

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.



English was prime contractor on this \$30+ million dollar project which consisted of replacing the existing swinging pontoon bridge with a new 2,563 foot bridge over the Intracoastal Waterway at Sunset Beach NC. This bridge included a 230 foot span over the waterway made of prestressed segments post-tensioned together. Also included in the project was 1500 feet of work bridge to protect the marsh and wetlands and an 804 foot temporary detour bridge.



- ✓ Completed construction within the last 15 years.
- ✓ Major bridge structure construction project requiring in-stream construction with a minimum construction value of \$5,000,000 for the bridge work.

<b>Relevance to this project:</b>
<ul style="list-style-type: none"> <li>✓ Large Bridge over Water</li> <li>✓ Significant Capacity Cranes Required</li> <li>✓ Contractor Designed Temporary Bridge Works</li> <li>✓ Temporary Detours / Maintenance of Traffic</li> <li>✓ Construction over and near Environmentally Sensitive Areas</li> <li>✓ Bridge Demolition Required</li> </ul>



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>BRIDGE NO. 35 (KATHRYN CROSBY BRIDGE) ON US 158 (CLEMMONS RD) OVER THE YADKIN RIVER</b>  Davie-Forsyth Counties, NC	TY Lin – Prime Designer	<b>NC Department of Transportation</b> Phone (919) 707-6925 Project Manager: Dale Swicegood, PE Resident Engineer Phone: (336) 479-0192 Email: <a href="mailto:dswicegood@ncdot.gov">dswicegood@ncdot.gov</a>	2010	2011	\$14,998	\$14,998	\$14,998

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.



This \$15 million Design/Build project consisted of a bridge over the Yadkin River, approach fills, drainage, utilities and asphalt pavement. The new bridge is a 1,150 foot long, four lane concrete structure over the Yadkin River on US 158 in North Carolina which replaced the existing 70 year old 2 lane concrete and steel structure.



- ✓ Completed construction within the last 15 years.
- ✓ Bridge structure construction project requiring in-stream construction with a minimum construction value of \$5,000,000.

- Relevance to this project:**
- ✓ Large Bridge over Water
  - ✓ Significant Capacity Cranes Required
  - ✓ Contractor Designed Temporary Bridge Works
  - ✓ Maintenance of Traffic
  - ✓ Construction over and near Environmentally Sensitive Areas
  - ✓ Bridge Demolition Required



## *Section 4.2.6(b)*

### *Lead Designer Work History*



*in association with* **RK&K**

**ATTACHMENT 4.2.6(b)**  
**LEAD DESIGNER - WORK HISTORY FORM**  
**(LIMIT 1 PAGE PER PROJECT)**

a. Project Name & Location	b. Name of the prime/ general contractor responsible for 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)	
<b>FREDERICK DOUGLASS BRIDGE / S. CAPITOL STREET REHAB</b>  Washington, D.C.	<b>Corman Construction – Prime Contractor</b>	<b>D.C. Department of Transportation</b> 2000 14 <sup>th</sup> Street, NW Washington, D.C. 20009 Project Manager: Said Cherifi, PE Phone: 202.671.0479 Email: scherifi@dc.gov	07/2007	07/2007	\$32 million	\$32 million	\$32 million

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.

Scope of work
✓ Roadway
✓ Survey
✓ Structures
✓ Structure demolition
✓ Environmental
✓ Geotechnical
✓ Hydraulics
✓ Traffic Control Devices
✓ Transportation Management Plan
✓ Right-of-Way
✓ Utility Relocations and Coordination
✓ Public Involvement / Relations
✓ Quality Assurance
✓ Quality Control
✓ Intelligent Transportation Systems
✓ Construction Engineering and Inspection
✓ Project Management

RK&K worked with Corman Construction as the design representative for the Design/Build portion of this overall roadway and bridge rehabilitation project for the Frederick Douglass Bridge, which carries South Capitol Street over the Anacostia River in Southeast DC. RK&K's role on this challenging project was to provide design services for the reconstruction of 1,700 feet of 6-lane divided urban arterial roadway on the northern approach to the bridge. The work included 900 feet of existing bridge demolition, 1,470 feet of roadway reconstruction "at-grade", 300 feet of MSE approach embankment (15 foot height max.), and jacking and lowering 230 feet of the existing continuous 3-span steel frame unit of the bridge. The purpose of the roadway/bridge lowering was to lower the roadway profile to improve access to the new DC Nationals Ballpark and future development in the South Capitol Street corridor.

RK&K provided structural, highway, geotechnical, environmental, drainage, utility and traffic engineering services for this fast-track project. The existing bridge structure served as a viaduct over Washington, DC streets, with 16 spans between the Anacostia River and the current at-grade tie-in adjacent to O Street. Thirteen of these spans were demolished and a new roadway constructed at-grade with new, signalized intersections at O Street, P Street and Potomac Avenue. The remaining three spans of the existing bridge structure were lowered approximately five feet to create the profile necessary to provide the at-grade intersection at Potomac Avenue. The existing steel bridge superstructure with concrete deck for these three spans is to be reused and will be lowered to this new profile using a jacking system. This superstructure was set upon both new and modified existing substructure units. RK&K completed extensive analyses of the structural members and geometric movements necessary to complete this lowering.

The work included a complete geotechnical investigation; surveys; environmentally compliant removal of underground steel petroleum storage tanks and contaminated soils; streetscape improvements in accordance with AWI standards that are coordinated with the adjacent ballpark site design - concrete and granite curbs, brick gutter, hot mix asphalt roadway, granite cobble and exposed aggregate concrete edge treatments, exposed aggregate concrete sidewalks, and tree pits with structural soil mix. The project also included street lighting; storm drainage; water quality basins; sediment control; water and sanitary sewer adjustments; new communication cables; three new traffic signals and interconnect of traffic signals to adjacent intersections; pavement markings; and new electrical service to the bridge. Additional challenges were presented with the limited 2-month bridge closure period, allowing completion of the lowering and complete roadway and MSE embankment construction. Innovative design and construction scheduling techniques were developed to meet the schedule and detailed MOT plans were prepared to safely and effectively accommodate the bridge detour and local work zone traffic.

RK&K prepared complete engineering drawings, secured permits and performed construction inspection services. To ensure project success, continuous coordination was performed with DDOT, DOH, WASA, local utilities and other engineering/construction teams working on the adjacent ballpark.



✓ *Completed construction within the last 15 years.*  
 ✓ *Major bridge structure design project requiring in-stream construction with a minimum construction value of \$5,000,000 for the bridge work.*

a. Project Name & Location	b. Name of the prime/ general contractor responsible for 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)	
<b>KEYSER-MCCOOLE BRIDGE</b> Keyser, WV and McCoolle, MD	<b>Kokosing</b> – Prime Contractor	<b>WV Department of Transportation</b> 1900 Kanawha Boulevard Charleston, WV 25305 Project Manager: Dirar Ahmed, PE Phone: 304.558.0444 Email: dirar.m.ahmed@wv.gov	12/2007	12/2007	\$35 million	\$35 million	\$35 million

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.

Scope of work	
✓ Roadway	<p>RK&amp;K designed the replacement of the Keyser-McCoole Bridge on U.S. Route 220. The existing 2,192-foot long bridge's footprint is restricted due to the existing CSX main line, the existing North End Keyser residential area, North Branch of the Potomac River, CSX Railroad Line and Queen Street.</p> <p>Prior to the design of a rehabilitation or replacement structure, RK&amp;K was requested to evaluate the construction of a temporary bridge and detour routing through Keyser. An acceptable detour would allow the existing structure to be either rehabilitated or replaced at the existing location. From this study, two proposed river crossings and four alternate, detour roadway alignments were developed.</p> <p><b>Preliminary Design Services:</b> After consultation with the clients, RK&amp;K was requested to develop various bridge rehabilitation and replacement alternatives. Four basic alignments with eight alternative methods for reconstructing the bridge were studied and costs developed.</p> <p><b>Alternate 1A &amp; 1B:</b> Two new bridge alternates that would be constructed either immediately upstream or downstream of the existing bridge.</p> <p><b>Alternate 2A &amp; 2B:</b> Two new bridge alternates that would be constructed on new alignments upstream of the existing bridge between the existing Keyser Square shopping center and the B&amp;O Train Station (Historical Structure), and eliminate potential impacts to historic structures immediately upstream and downstream of the existing bridge.</p> <p><b>Alternate 3A &amp; 3B:</b> Two new bridge alternates that would consist of constructing a new bridge either upstream or downstream of the existing bridge. These bridge alternatives would be built in stages, approximately half at a time, with part of the new bridge overlapping the footprint of the existing bridge. Traffic would be maintained on the existing structure until a portion of the new structure is constructed.</p> <p><b>Alternate 4A &amp; 4B:</b> Two bridge rehabilitation alternatives that would involve widening of the existing structure to the proposed ultimate bridge typical section. Widening, staged construction and maintenance of existing traffic would occur either upstream or downstream as described in Alternates 3A &amp; 3B.</p> <p>The study phase included preliminary structural/bridge design, roadway design, maintenance of traffic/detour analysis, preliminary utility analysis, and preliminary cost estimating to assist in the selection of the most feasible alternate. RK&amp;K assisted the client in preparing for multiple public meetings intended to gain the local community input in to the preferred alternate. Alternate 1A – a new bridge constructed immediately downstream of the existing structure – was ultimately the selected alternate.</p>
✓ Survey	
✓ Structures	
✓ Structure demolition	
✓ Environmental	
✓ Geotechnical	
✓ Hydraulics	
✓ Traffic Control Devices	
✓ Transportation Management Plan	
✓ Right-of-Way	
✓ Utility Relocations and Coordination	
✓ Public Involvement / Relations	
✓ Quality Assurance	
✓ Quality Control	
✓ Intelligent Transportation Systems	
✓ Construction Engineering and Inspection	
✓ Project Management	



✓ *Completed construction within the last 15 years.*  
 ✓ *Major bridge structure design project requiring in-stream construction with a minimum construction value of \$5,000,000 for the bridge work.*

a. Project Name & Location	b. Name of the prime/ general contractor responsible for 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)	
<b>MARKET STREET STREETScape AND BRIDGE OVER US29/70/220</b>  Guilford County, NC	<b>Dane Construction</b> – Prime Contractor	<b>NC Department of Transportation</b> Project Services Unit, PO Box 25201 Raleigh, NC 27612 Project Manager: Teresa Bruton, PE Phone: 919.212.3146 Email: tbruton@ncdot.gov	06/2007	06/2007	\$6.9 million	\$6.9 million	\$6.9 million

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.

Scope of work
✓ Roadway
✓ Survey
✓ Structures
✓ Structure demolition
✓ Environmental
✓ Geotechnical
✓ Hydraulics
✓ Traffic Control Devices
✓ Transportation Management Plan
✓ Right-of-Way
✓ Utility Relocations and Coordination
✓ Public Involvement / Relations
✓ Quality Assurance
✓ Quality Control
✓ Intelligent Transportation Systems
✓ Construction Engineering and Inspection
✓ Project Management

As Lead Designer for this design-build urban revitalization project, RK&K was responsible for replacing the functionally obsolete Market Street Bridge over US 29/70/220, widening and improving the roadway approaches. The project required extensive coordination efforts with the City to help unify this project with other adjacent projects.

The design-build process required roadway, structural and hydraulic design, traffic control and pavement marking plans, landscape plans, signing, acquisition of all right-of-way, relocation of utilities, construction of the project, and construction inspection services. Prior to selection, the design-build Team submitted the lowest cost proposal and received an impressive technical score of 92% for RK&K's preliminary design efforts.

**Highway/Roadway Design:** Replacing the existing bridge was merely one component of this multi-discipline project. RK&K's roadway engineers were tasked with widening the existing roadway to a four-lane curb and gutter section with a 12-foot landscaped median. The existing ramp/loop northwest of the bridge was designed to provide a left-turn lane at Market Street and the roadway was widened to five-lanes with a 12-foot center turn lane on the East side. Aesthetic sidewalks were provided along both sides of Market Street and the existing two-way ramp/loop northeast of the bridge was widened to three lanes and realigned to connect to Market Street opposite the realigned Gillespie Street. The existing two-way, two-lane ramp/loop southeast of the bridge was removed.

The roadway design for this project included extensive streetscape and landscaping improvements including brick pavers, stamping and coloring asphalt for brick patterns, ornamental signal mast arms, landscaping, and irrigation system for lawn and planted areas.

**Bridge Design:** The obsolete existing bridge was replaced with a 154'-0" single-span Bridge, with a 93-degree skew, on a tangent roadway alignment over a tangent roadway alignment. The four-lane bridge typical section consists of a 64'-0" clear roadway with a 5.5-foot sidewalk and aesthetic concrete barrier rails on each side. This bridge was an on-site replacement and widening, which necessitated staged construction to maintain traffic. To compliment the aesthetic streetscape improvements, this bridge was designed with a custom steel black fence mounted on top of the classic concrete bridge rail. Concrete obelisks with luminaries at each corner of the bridge were also added. In addition, the bridge was designed to carry two separate communication conduits and one ductile iron water main.



✓ *Completed construction within the last 15 years.*  
 ✓ *Bridge structure design project with a minimum construction value of \$5,000,000.*



## ***Section 4.2.7***

### ***Conceptual Roadway Plans***



*in association with* **RK&K**

FOR INDEX OF SHEETS SEE SHEET 1B



COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED  
STATE HIGHWAY

SOUTHAMPTON COUNTY

Fr: 0.072miles West of Southampton County Line  
To: 0.364miles West of Southampton County Line

FHWA 534 DATA 14011

STATE	FEDERAL AID PROJECT	ROUTE	STATE PROJECT	SHEET NO.
V.A.	BR-087-5 ( ) (SEE TABULATION BELOW FOR SECTION NUMBERS)	35	(INFO0035-087-112) (SEE TABULATION BELOW FOR SECTION NUMBERS)	1

FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA	
Rural Collector(GS-3)- Undivided-Level 50MPH-Min.Design Speed	
	Fr: 0.072miles West of Southampton County Line To: 0.364miles West of Southampton County Line
ADT(2012)	3,400
ADT (2036)	4,525
DHV	410
D (%) (design hour)	50/50
T (%) (design hour)	6%
V (MPH)	50 MPH

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

ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

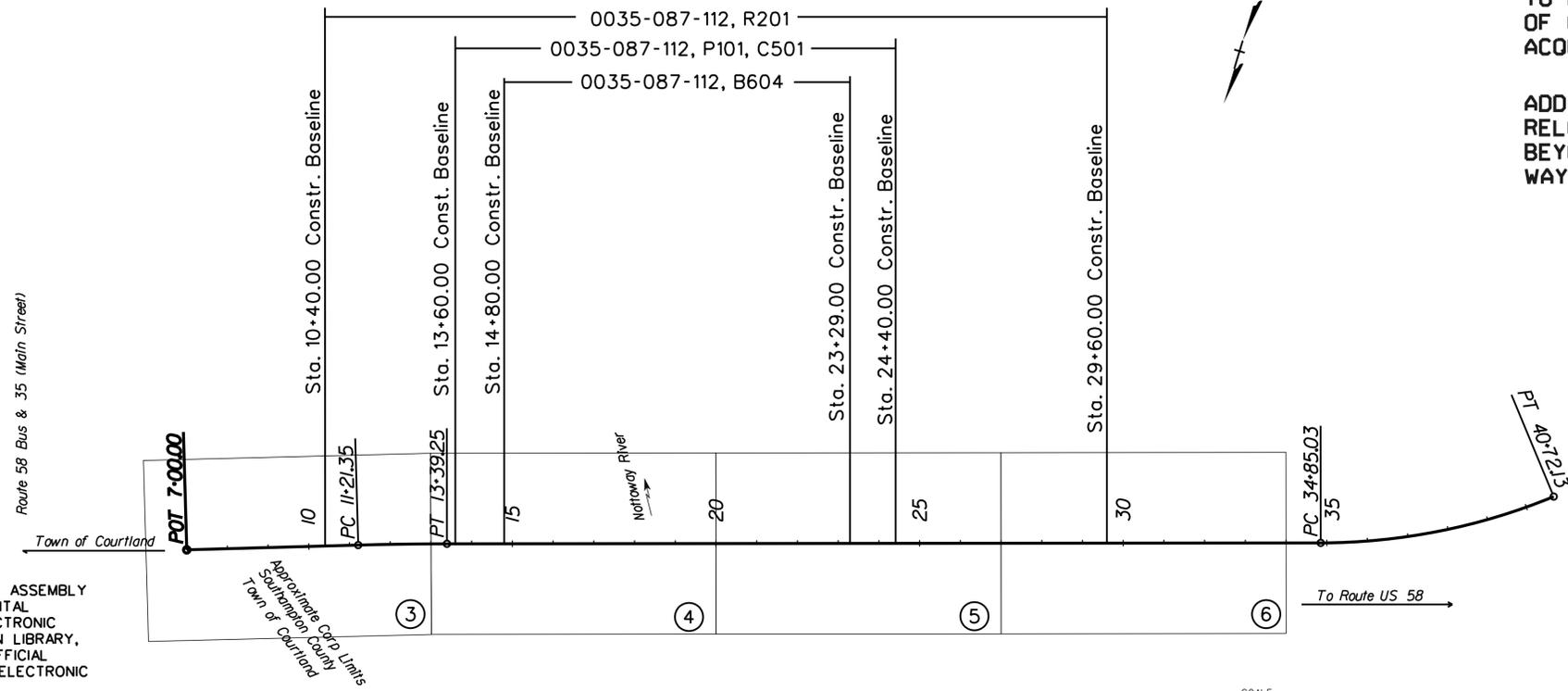
PROJECT MANAGER Gary S. Johnson, P.E. (804) 782-1903 (R&K) ...  
SURVEYED BY, DATE, Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/8/11  
DESIGN SUPERVISED BY Gladston R. Rose, P.E. (703) 259-3735 (R&K)  
SUBSURFACE UTILITY, BY, DATE, Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/9/11

CONVENTIONAL SIGNS

STATE LINE	---
COUNTY LINE	----
CITY, TOWN OR VILLAGE	-----
RIGHT OF WAY LINE	-----
FENCE LINE	-----
UNFENCED PROPERTY LINE	-----
FENCED PROPERTY LINE	-----
WATER LINE	-----
SANITARY SEWER LINE	-----
GAS LINE	-----
ELECTRIC UNDERGROUND CABLE	-----
TRAVELED WAY	-----
GUARD RAIL	-----
RETAINING WALL	-----
RAILROADS	-----
BASE OR SURVEY LINE	-----

LEVEE OR EMBANKMENT	-----
BRIDGES	-----
CULVERTS	-----
DROP INLET	-----
POWER POLES	-----
TELEPHONE OR TELEGRAPH POLES	-----
TELEPHONE OR TELEGRAPH LINES	-----
HEDGE	-----
TREES	-----
HEAVY WOODS	-----
GROUND ELEVATION	-----
GRADE ELEVATION	-----



THE COMPLETE ELECTRONIC PDF VERSION OF THE PLAN ASSEMBLY AS AWARDED, HAS BEEN SEALED AND SIGNED USING DIGITAL SIGNATURES AND THE OFFICIAL PLAN ASSEMBLY IN ELECTRONIC FORMAT IS STORED IN THE VDOT CENTRAL OFFICE PLAN LIBRARY, INCLUDING ALL SUBSEQUENT REVISIONS, WILL BE THE OFFICIAL CONSTRUCTION PLANS. FOR INFORMATION RELATIVE TO ELECTRONIC FILES AND LAYERED PLANS, SEE THE GENERAL NOTES.

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

THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE DEPARTMENT'S 2007 ROAD AND BRIDGE SPECIFICATIONS, 2008 ROAD AND BRIDGE STANDARDS, 2009 MUTCD, 2011 VIRGINIA SUPPLEMENT TO THE MUTCD, 2011 VIRGINIA WORK AREA PROTECTION MANUAL AND AS AMENDED BY CONTRACT PROVISIONS AND THE COMPLETE ELECTRONIC PDF VERSION OF THE PLAN ASSEMBLY.

ALL CURVES ARE TO BE SUPERELEVATED, TRANSITIONED AND WIDENED IN ACCORDANCE WITH STANDARD TC-5.1R, EXCEPT WHERE OTHERWISE NOTED.

THE ORIGINAL APPROVED TITLE SHEET(S), INCLUDING ORIGINAL SIGNATURES, ARE FILED IN THE VDOT CENTRAL OFFICE PLAN LIBRARY. ANY MISUSE OF ELECTRONIC FILES, INCLUDING SCANNED SIGNATURES, IS ILLEGAL AND ENFORCED TO THE FULL EXTENT OF THE LAW.

Population South Hampton 18,570 (2010 Census)

STATE PROJECT NO.	SECTION	FEDERAL AID PROJECT NO.	TYPE CODE	UPC NO.	EQUALITIES		LENGTH INCLUDING BRIDGE(S)		LENGTH EXCLUDING BRIDGE(S)		BRIDGE PROJECT NO.	TYPE PROJECT	DESCRIPTION
					FEET		FEET	MILES	FEET	MILES			
0035-087-112	PE-101	BR-087-5(014)	P	81457			1080.00	0.205	231.00	0.044		PREL. ENGR	Fr: 0.072miles West of Southampton County Line To: 0.364miles West of Southampton County Line
	C-501		P	81457			1080.00	0.205	231.00	0.044		CONSTRUCTION	
	RW- 201			81457			1920.00	0.364	1010	0.191		RIGHT OF WAY	Fr: 0.040miles West of Southampton County Line To: 0.404miles West of Southampton County Line
	B-604		P	81457			849.00	0.161				BRIDGE	Prop. Bridge and Approaches over Nottoway River

Project Lengths are based on Construction Baseline.

TIER 2 PROJECT

RECOMMENDED FOR APPROVAL FOR RIGHT OF WAY ACQUISITION	
DATE	PROGRAMMING DIVISION DIRECTOR
DATE	STATE LOCATION AND DESIGN ENGINEER
DATE	CHIEF OF PLANNING AND PROGRAMMING
DATE	CHIEF ENGINEER

APPROVED FOR RIGHT OF WAY ACQUISITION	
DATE	CHIEF OF POLICY AND ENVIRONMENT

RECOMMENDED FOR APPROVAL FOR CONSTRUCTION	
DATE	PROGRAMMING DIVISION DIRECTOR
DATE	STATE LOCATION AND DESIGN ENGINEER
DATE	STATE STRUCTURE AND BRIDGE ENGINEER
DATE	CHIEF OF PLANNING AND PROGRAMMING

APPROVED FOR CONSTRUCTION	
DATE	CHIEF ENGINEER

APPROVED	
DATE	DIVISION ADMINISTRATOR FEDERAL HIGHWAY ADMINISTRATION U.S. DEPARTMENT OF TRANSPORTATION

Copyright 2012, Commonwealth of Virginia

PROJECT MANAGER Gary S. Johnson, P.E. (804) 782-1903 (RK&K)  
 SURVEYED BY, DATE Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/8/11  
 DESIGN BY Gladston R. Rose, P.E. (804) 782-1903 (RK&K)  
 SUBSURFACE UTILITY BY, DATE Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/9/11

REVISED	STATE		STATE		SHEET NO.
	STATE	ROUTE	PROJECT	PROJECT	
	VA.	35	0035-087-112, RW201, C-501		1B

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

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

SHEET NUMBER

DESCRIPTION

I	TITLE SHEET
*IA	LOCATION MAP
1B	INDEX OF SHEETS
1C	SURVEY ALIGNMENT DATA SHEET
1D	CONSTRUCTION ALIGNMENT DATA SHEET
1E	RIGHT OF WAY DATA SHEET
1E(1)	PROPERTY OWNER
1F	NOT USED
2A	TYPICAL SECTIONS
3-3A	PLAN SHEET AND PROFILE SHEET 7+00.00 TO 13+00.00
4-4A	PLAN SHEET AND PROFILE SHEET 13+00.00 TO 20+00.00
5-5A	PLAN SHEET AND PROFILE SHEET 20+00.00 TO 27+00.00
6	PLAN SHEET AND PROFILE SHEET 27+00.00 TO 34+25.00

\* NOT INCLUDED IN SUBMISSION

PROJECT MANAGER: John G. Harman, P.E. (757) 925-2308 (Hampton Roads) ---  
SURVEYED BY, DATE: Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads) 9/8/11  
DESIGN BY: Jason L. Henry, P.E. (804) 786-5975 (Central Office) -----  
SUBSURFACE UTILITY BY, DATE: Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads) 9/9/11

Note: To Convert Va. State Plane Coordinates NAD 83 Metric Values to Va. D. O. T. Project Coordinates.  
1. Reduce the Eastings 2.5 Million Meters and the South and North Zone Northings by 1 and 2 Million Respectively.  
2. Multiply by the U. S. Survey Foot (3, 2808333333).  
3. Multiply These Values by the Combined Scale and Elevation Factor (1.00000) for this County.  
A Reverse of this Procedure will Transform VDOT Project Coordinates to NAD 83 Values.

REVISED	STATE	STATE		SHEET NO.
		ROUTE	PROJECT	
	VA.	35	0035-087-112, RW201, C-501	1C

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

### BENCH MARKS

POINT STATION ID.	BEARING	PROJECT COORDINATES NORTH (Y)	EAST (X)
Rte 35			
SS 97+50.000		143,200.065	3,700,571.387
PI 104+69.551	S 70° 37' 34" W	142,961.367	3,699,892.581
PI 111+02.131	S 71° 43' 03" W	142,762.925	3,699,291.933
PI 120+45.731	S 73° 12' 32" W	142,490.335	3,698,388.564
PI 125+72.443	S 73° 29' 19" W	142,340.640	3,697,883.572
PI 132+51.140	S 73° 04' 20" W	142,143.027	3,697,234.281
PI 138+90.580	S 58° 48' 57" W	141,811.931	3,696,687.235
PI 144+57.877	S 49° 41' 44" W	141,444.975	3,696,254.604
PI 151+86.420	S 49° 32' 08" W	140,972.168	3,695,700.322

PROJ# 0035 - 087 - 112, P101, RW201, C501, B604  
PPMS# 81457

DATUM NAVD 88 (FEET)

VDOT Disk Stamped \*87 - 0078\*  
Bench Mark Elev.\* 25.60'

T-Bar 4 Survey Traverse Alignment  
Sta. 132+51.14  
Bench Mark Elev.\* 18.85'

VDOT Disk Stamped \*87 - 0079\*  
Bench Mark Elev.\* 25.57'

T-Bar 5 Survey Traverse Alignment  
Sta. 138+90.58  
Bench Mark Elev.\* 15.36'

VDOT Disk Stamped \*87 - 0080\*  
Bench Mark Elev.\* 14.80'

VDOT Disk Stamped \*87 - 0081\*  
Bench Mark Elev.\* 16.45'

3 Nails Base of 18" Cypress Tree Left  
10' Lt. Sta. 128+95.60  
Bench Mark Elev.\* 10.93'

3 Nails In Base of 15" Sycamore Tree,  
134' Lt. Sta. 104+40.16  
Bench Mark Elev.\* 21.53'

T-Bar 1 Survey Traverse Alignment  
Sta. 111+02.13  
Bench Mark Elev.\* 25.02'

T-Bar 2 Survey Traverse Alignment  
Sta. 120+45.73  
Bench Mark Elev.\* 25.34'

T-Bar 3 Survey Traverse Alignment  
Sta. 125+72.44  
Bench Mark Elev.\* 20.63'

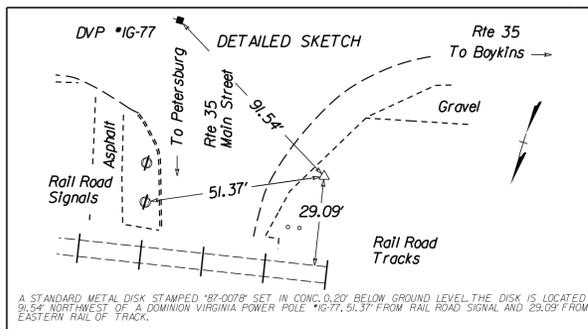
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

LD-200 (REV. 8/2000)  
Virginia Department of Transportation Horizontal Control  
Control Station I.D. 8Z - 0028 Project 0035-087-112 V.D.O.T. Project Coordinates  
Route 35... City/County Southampton... Date 09-02-11

Established By W.D. Freeman, L.S.  
Vertical Datum Based On NAVD 88... Geoid 96 or (13)  
Horizontal Datum Based On NAD 83 (1993) (circle one)  
Azimuth to Station 257°32'34" to Sta 87-0079  
Latitude 36°43'03.65095" N (5 decimal places)  
Longitude 77°04'07.46652" W (5 decimal places)  
Geoid Separation (M): -34.902

Ellipsoid Height (M): 27.0924 (NWS 84)  
Control Based on Station (name or PID) Courtland, L. or Project (monument no.) ... Order: ...  
Virginia State Plane Coordinates - NAD 83 Metric Values  
East (X) 3627864.5293 m  
North (Y) 0243622.082 m  
Ortho. Elevation 78008 m

1. Reduce the Easting Metric Values By 2.5 Million Meters. The South and North Zone Northing Metric Values By 1 and 2 Million Respectively.  
2. Multiply These Values by the U.S. Survey Foot (3, 2808333333)  
3. Multiply These Values by Combined Scale and Elevation Factor (1.00000) for the County.  
Reverse This Procedure to Transform VDOT Project Coordinates to NAD 83 Metric Plane Coordinates  
- Sketch and Detailed Description on Other Side -

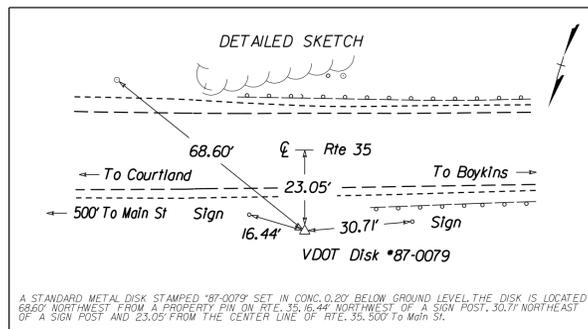


LD-200 (REV. 8/2000)  
Virginia Department of Transportation Horizontal Control  
Control Station I.D. 8Z - 0029 Project 0035-087-112 V.D.O.T. Project Coordinates  
Route 35... City/County Southampton... Date 09-02-11

Established By W.D. Freeman, L.S.  
Vertical Datum Based On NAVD 88... Geoid 96 or (13)  
Horizontal Datum Based On NAD 83 (1993) (circle one)  
Azimuth to Station 247°22'22" to Sta 87-0080  
Latitude 36°43'02.7731" N (5 decimal places)  
Longitude 77°04'23.3533" W (5 decimal places)  
Geoid Separation (M): -34.9070

Ellipsoid Height (M): 27.0924 (NWS 84)  
Control Based on Station (name or PID) Courtland, L. or Project (monument no.) ... Order: ...  
Virginia State Plane Coordinates - NAD 83 Metric Values  
East (X) 3627729.5444 m  
North (Y) 0243574.718 m  
Ortho. Elevation 78058 m

1. Reduce the Easting Metric Values By 2.5 Million Meters. The South and North Zone Northing Metric Values By 1 and 2 Million Respectively.  
2. Multiply These Values by the U.S. Survey Foot (3, 2808333333)  
3. Multiply These Values by Combined Scale and Elevation Factor (1.00000) for the County.  
Reverse This Procedure to Transform VDOT Project Coordinates to NAD 83 Metric Plane Coordinates  
- Sketch and Detailed Description on Other Side -

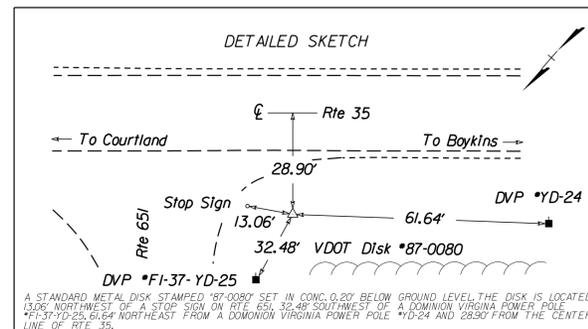


LD-200 (REV. 8/2000)  
Virginia Department of Transportation Horizontal Control  
Control Station I.D. 8Z - 0080 Project 0035-087-112 V.D.O.T. Project Coordinates  
Route 35... City/County Southampton... Date 09-02-11

Established By W.D. Freeman, L.S.  
Vertical Datum Based On NAVD 88... Geoid 96 or (13)  
Horizontal Datum Based On NAD 83 (1993) (circle one)  
Azimuth to Station 229°32'02" to Sta 87-0081  
Latitude 36°42'47.22163" N (5 decimal places)  
Longitude 77°04'57.2936" W (5 decimal places)  
Geoid Separation (M): -34.8837

Ellipsoid Height (M): 30.360 (NWS 84)  
Control Based on Station (name or PID) Courtland, L. or Project (monument no.) ... Order: ...  
Virginia State Plane Coordinates - NAD 83 Metric Values  
East (X) 3626620.6573 m  
North (Y) 024312.545 m  
Ortho. Elevation 45226 m

1. Reduce the Easting Metric Values By 2.5 Million Meters. The South and North Zone Northing Metric Values By 1 and 2 Million Respectively.  
2. Multiply These Values by the U.S. Survey Foot (3, 2808333333)  
3. Multiply These Values by Combined Scale and Elevation Factor (1.00000) for the County.  
Reverse This Procedure to Transform VDOT Project Coordinates to NAD 83 Metric Plane Coordinates  
- Sketch and Detailed Description on Other Side -

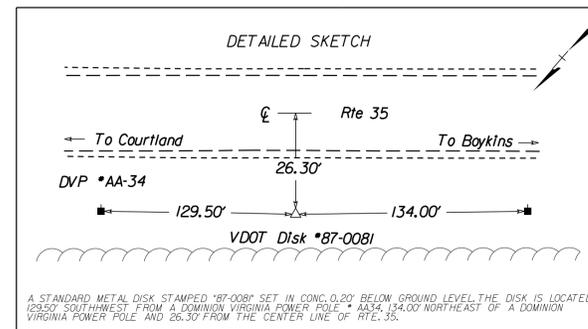


LD-200 (REV. 8/2000)  
Virginia Department of Transportation Horizontal Control  
Control Station I.D. 8Z - 0081 Project 0035-087-112 V.D.O.T. Project Coordinates  
Route 35... City/County Southampton... Date 09-02-11

Established By W.D. Freeman, L.S.  
Vertical Datum Based On NAVD 88... Geoid 96 or (13)  
Horizontal Datum Based On NAD 83 (1993) (circle one)  
Azimuth to Station 65°02'03" to Sta 87-0078  
Latitude 36°42'43.13532" N (5 decimal places)  
Longitude 77°05'04.78495" W (5 decimal places)  
Geoid Separation (M): -34.8813

Ellipsoid Height (M): 29.8584 (NWS 84)  
Control Based on Station (name or PID) Courtland, L. or Project (monument no.) ... Order: ...  
Virginia State Plane Coordinates - NAD 83 Metric Values  
East (X) 3626450.716 m  
North (Y) 0242968.4029 m  
Ortho. Elevation 50223 m

1. Reduce the Easting Metric Values By 2.5 Million Meters. The South and North Zone Northing Metric Values By 1 and 2 Million Respectively.  
2. Multiply These Values by the U.S. Survey Foot (3, 2808333333)  
3. Multiply These Values by Combined Scale and Elevation Factor (1.00000) for the County.  
Reverse This Procedure to Transform VDOT Project Coordinates to NAD 83 Metric Plane Coordinates  
- Sketch and Detailed Description on Other Side -



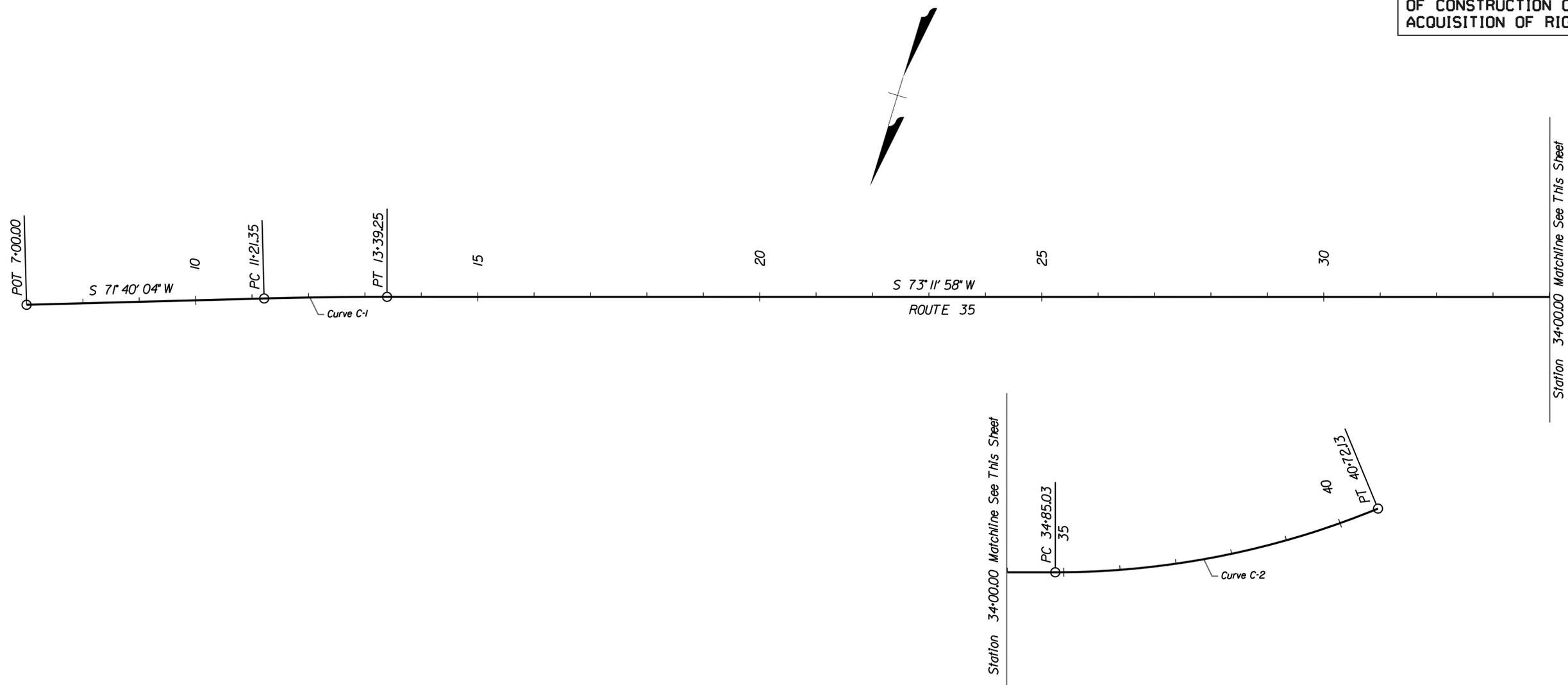
PROJECT MANAGER Gary S. Johnson, P.E. (804) 782-1903 (RK&K)  
 SURVEYED BY, DATE Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/8/11  
 DESIGN BY Gladston R. Rose, P.E. (804) 782-1903 (RK&K)  
 SUBSURFACE UTILITY BY, DATE Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/9/11

# CONSTRUCTION ALIGNMENT DATA SHEET

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	35	0035-087-112, RW201, C501, B604	ID

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

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



ROUTE 35 CONSTR. B

CURVE NUMBER	STATION	NORTHING	EASTING	BEARING	DELTA	DEGREE	RADIUS	TANGENT	LENGTH	EXTERNAL
C-1	P.C. 11+21.35	142,841.4259	3,699,592.4518	S 71° 40' 03.6446" W						
	P.J. 12+30.31	142,807.1559	3,699,489.0248	S 71° 40' 03.6446" W	1° 31' 54.7475" (RT)	0° 42' 10.86"	8,150.00'	108.96'	217.90'	0.73'
	C.C.	150,577.7987	3,697,029.0487							
	P.T. 13+39.25	142,775.6632	3,699,384.7187	S 73° 11' 58.3922" W						
C-2	P.C. 34+85.03	142,155.4505	3,697,330.5333	S 73° 11' 58.3922" W						
	P.J. 37+82.38	142,069.5025	3,697,045.8677	S 73° 11' 58.3922" W	22° 25' 32.5157" (LT)	3° 49' 10.99"	1,500.00'	297.36'	587.10'	29.19'
	C.C.	140,719.4747	3,697,764.0921							
	P.T. 40+72.13	141,881.4587	3,696,815.5178	S 50° 46' 25.8764" W						



PROJECT	SHEET NO.
0035-087-112	ID



PROJECT MANAGER *Gary S. Johnson, P.E. (804) 782-1903 (RK&K)*  
SURVEYED BY, DATE *Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/8/11*  
DESIGN BY *Gladston R. Rose, P.E. (804) 782-1903 (RK&K)*  
SUBSURFACE UTILITY BY, DATE *Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/9/11*

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	35	0035-087-112, RW20; C-501	1E(1)

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

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Ⓐ  
**SOUTHSIDE BANK**  
Tax\* 60A-1-3-2-5  
INST\* 030003899  
PB 21 PG 3

Ⓝ  
**OLIVER W PARKER AND ALICE W PARKER**  
Tax\* 60A-1-2-14A & 16A  
DB 288 PG 44

Ⓑ  
**R EDWARD RAYLEY III**  
Tax\* 60A-1-3-6 & 7A  
INST\* 080003685  
PB 14 PG 34

Ⓚ  
**TOWN OF COURTLAND**  
Tax\* 60A-1-2-18A & 20  
DB 404 PG 748

Ⓒ  
**WILLIAM B GRIZZARD JR**  
Tax\* 60A-1-3-7 & 8  
DB 452 PG 662  
PB 14 PG 34

Ⓛ  
**TOWN OF COURTLAND**  
Tax\* 60A-1-2-14  
DB 69 PG 113

Ⓓ  
**COMMUNITY OPPORTUNITIES FOR THE DISABLED**  
Tax\* 60A-1-3-9  
DB 347 PG 836  
PB 14 PG 34

Ⓜ  
**TOWN OF COURTLAND**  
Tax\* 60A-1-2-18  
DB 69 PG 134

Ⓔ  
**CINDY H BUCHAM HAMILTON A MORGAN III ROGER D JONES DAN E FINK TRUSTEES NEW HARVEST PRAISE AND WORSHIP CENTER**  
Tax\* 60A-1-3-10  
DB 414 PG 750  
PB 14 PG 34

Ⓝ  
**TOWN OF COURTLAND**  
Tax\* 60A-2-56-57  
DB 187 PG 32  
PDB 41 PG 0

Ⓕ  
**BOBBY C EVANS SR AND LEOLA P EVANS**  
Tax\* 60A-1-3-11  
INST\* 060001130  
PB 14 PG 34

Ⓞ  
**T. F. BROWN**  
Tax\* 60A-2-58  
DB 69 PG 576

Ⓖ  
**ROBERT A HILL SR FRATERNAL ORDER OF POLICE LODGE #56**  
Tax\* 60A-1-3-13  
INST\* 080001958  
PB 14 PG 34

Ⓟ  
**TOWN OF COURTLAND**  
Tax\* 60A-2-59-60  
INST\* 09002321  
PDB 41 PG 1

Ⓢ  
**UNKNOWN**  
Currently Used and Shown on Tax Map As A Public Thoroughfare.  
(No Documentation Found to Support Lot Being Used As Street)

Ⓗ  
**ROBERT B EDWARDS**  
Tax\* 60A-1-3-15 & 17 & 19  
DB 398 PG 368  
PB 14 PG 34

Ⓡ  
**CENTRAL VIRGINIA LAND CORPORATION**  
Tax\* 60A-1-2-62, 63, 64 & 65  
DB 331 PG 205  
PB 16 PG 26

Ⓡ  
**DORIS P KITCHEN**  
Tax\* 60A-1-3-1A9  
DB 275 PG 237  
PLAT DB 254 PG 376  
PB 14 PG 34

PROJECT MANAGER Gary S. Johnson, P.E. (804) 782-1903 (RK&K)  
 SURVEYED BY, DATE Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/8/11  
 DESIGN BY Gladston R. Rose, P.E. (804) 782-1903 (RK&K)  
 SUBSURFACE UTILITY BY, DATE Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/9/11

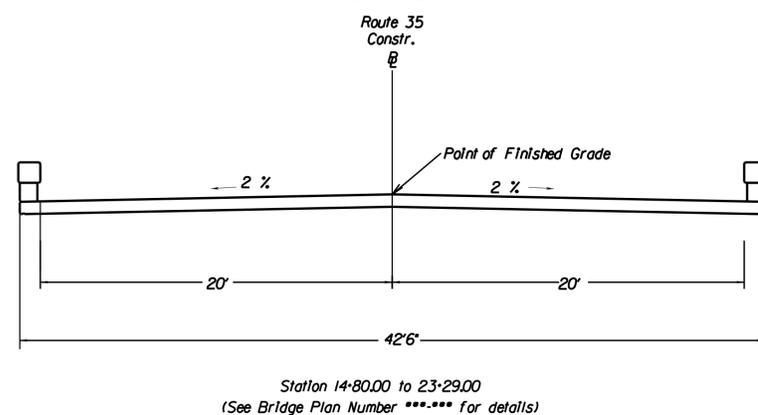
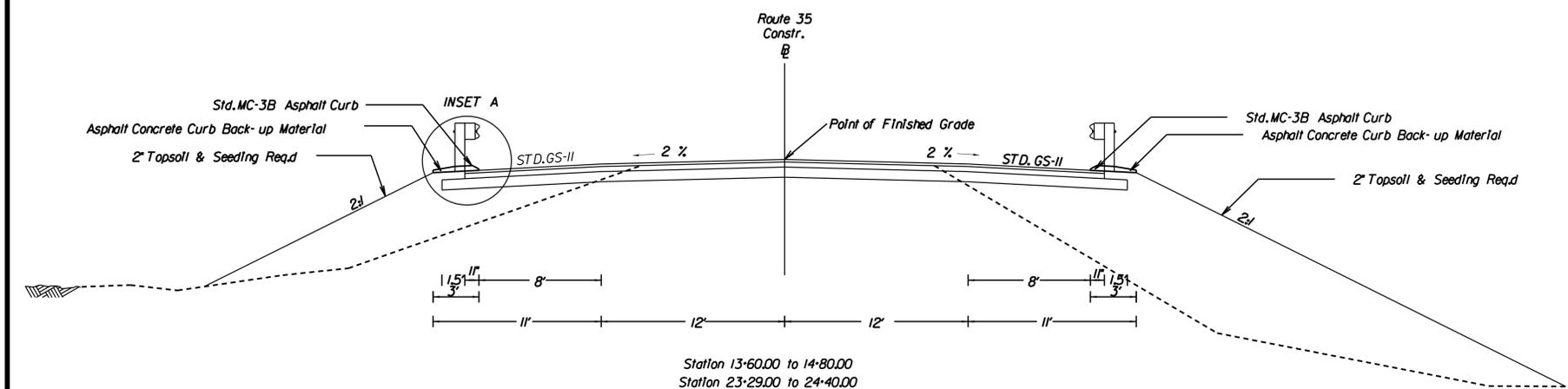
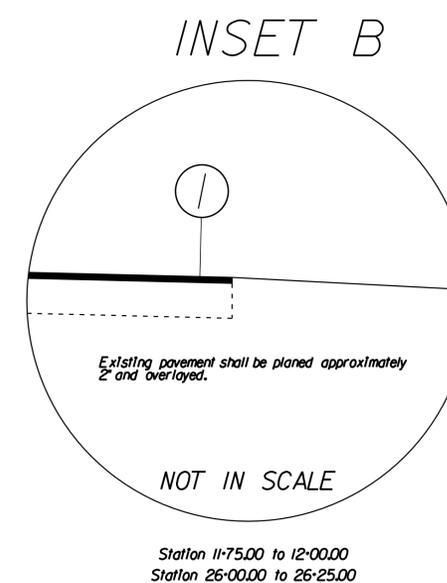
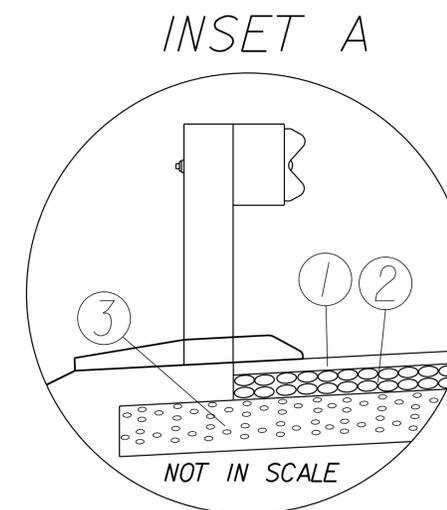
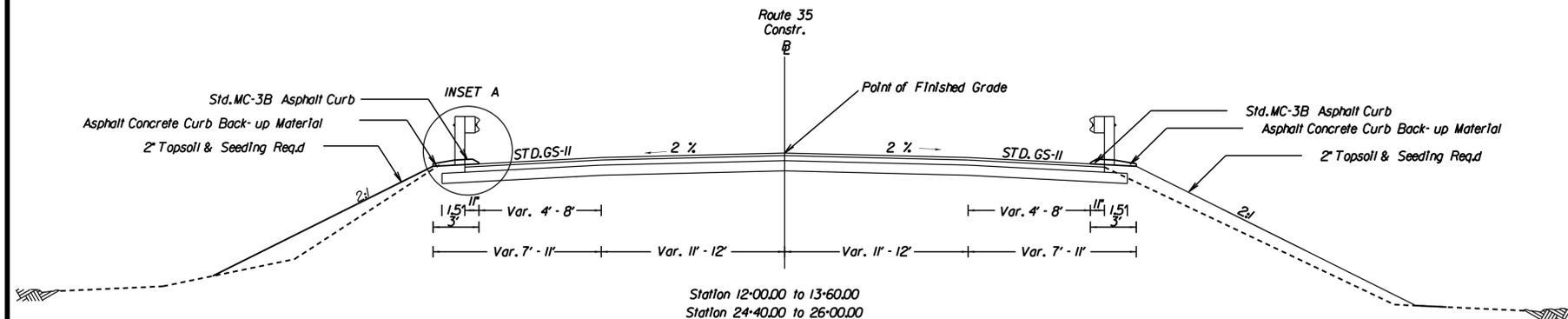
# TYPICAL SECTIONS

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

VDOT Materials  
Hampton Roads, Virginia  
MATERIALS ENGINEER

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	35	0035-087-112, RW201, C501, B604	2A

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



**LEGEND:**

- ① 2" ASPHALT CONCRETE SURFACE COURSE, TYPE SM-12.5A
- ② 4" ASPHALT CONCRETE BASE COURSE, TYPE BM-25.0A
- ③ 6" AGGREGATE BASE, TYPE I, NO. 21B

PROJECT MANAGER Gary S. Johnson, P.E. (804) 782-1903 (RK&K)  
SURVEYED BY, DATE Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/8/11  
DESIGN SUPERVISED BY Gladston R. Rose, P.E. (804) 782-1903 (RK&K)  
SUBSURFACE UTILITY, BY, DATE Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/9/11

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	35	0035-087-112, RW201, 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

**ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.**

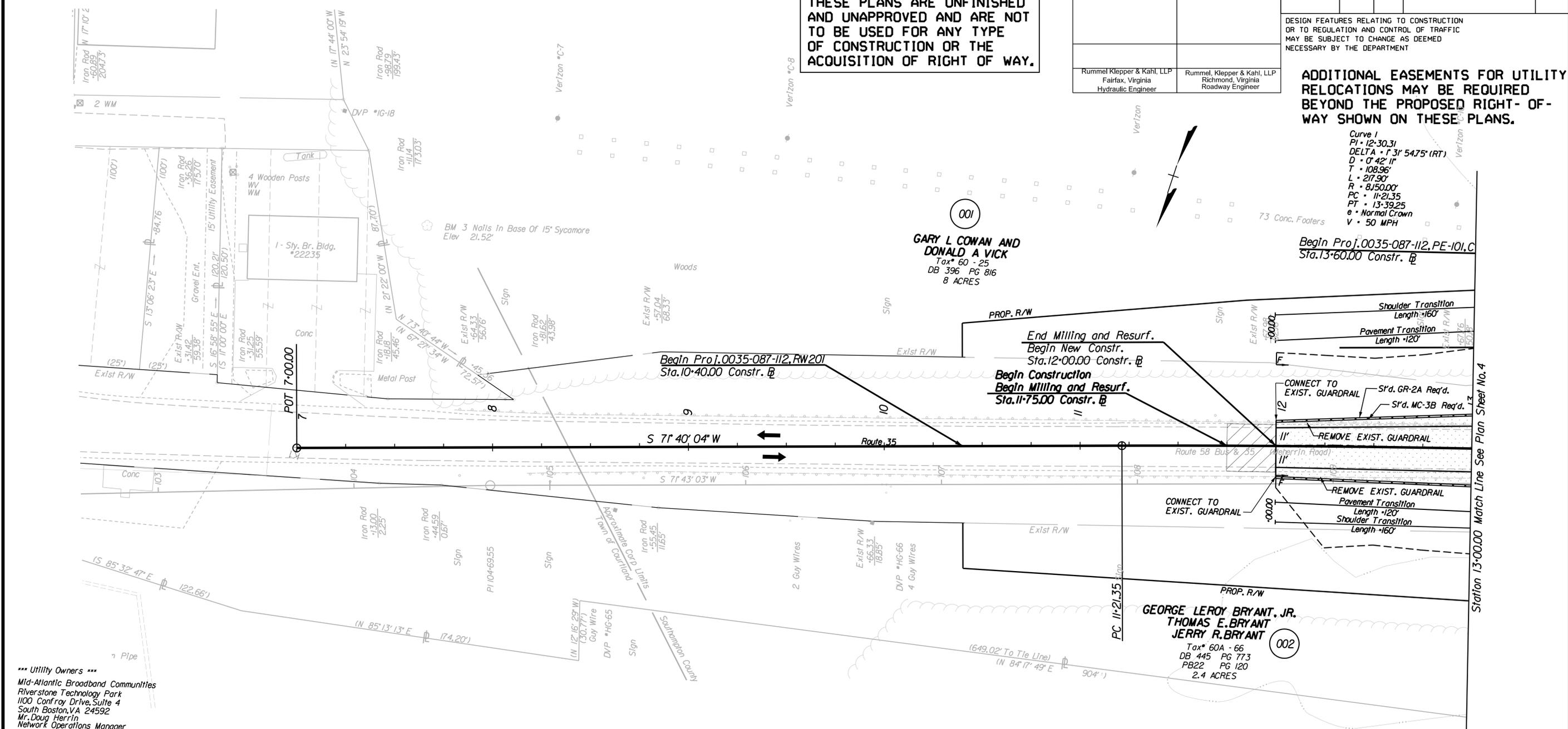
Curve 1  
 PI - 12+30.31  
 DELTA - 31° 54.75' (RT)  
 D - 67' 42" 11"  
 T - 108.96'  
 L - 217.90'  
 R - 8450.00'  
 PC - 11+21.35  
 PT - 13+39.25  
 e - Normal Crown  
 V - 50 MPH

Begin Proj. 0035-087-112, PE-101, C Sta. 13+60.00 Constr. @

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

Rummel, Klepper & Kahl, LLP  
 Fairfax, Virginia  
 Hydraulic Engineer

Rummel, Klepper & Kahl, LLP  
 Richmond, Virginia  
 Roadway Engineer

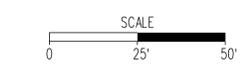


- \*\*\* Utility Owners \*\*\*
- Mid-Atlantic Broadband Communities  
Riverstone Technology Park  
1100 Conroy Drive, Suite 4  
South Boston, VA 24592  
Mr. Doug Herrin  
Network Operations Manager  
434-570-1300
  - Dominion Virginia Power  
Ms. Gaylene Watson  
1600 Hamilton Ave.  
Portsmouth VA, 23707-3528  
Gaylene 757-393-3824
  - Verizon South Inc.  
Mr. Mike Ziegler  
2920 OSP Engineering - 2nd Floor  
3011 Hungary Spring Road  
Richmond, VA, 23322
  - Town Of Courtland  
P. O. Box 39  
Courtland, VA, 23837
  - Department Of Public Utilities  
17287 Pittman Rd.  
Boykins, VA 23827  
Julien W. Johnson Jr.  
Director Of Public Utilities  
757-654-6024

- Denotes Mill and Replace Pavement
- Denotes Proposed Pavement
- Denotes area of demolition of pavement
- Denotes Proposed 2" Mill

Note: Figures in parenthesis and dot-dot-dashed lines denote Temporary Easements.  
 Note: Figures in brackets and dot-dashed lines denote Permanent Easements.

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



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

Mainline Profile	3A
Property Owner	IE(1)

Station 13+00.00 Match Line See Plan Sheet No. 4

PROJECT	0035-087-112	SHEET NO.	3
---------	--------------	-----------	---

PROJECT MANAGER *Gary S. Johnson, P.E.* (804) 782-1903 (RK&K)  
SURVEYED BY, DATE *Walter D. Freeman, L.S.* (757) 925-1608 (Hampton Roads), 9/8/11  
DESIGN SUPERVISED BY *Gladston R. Rose, P.E.* (804) 782-1903 (RK&K)  
SUBSURFACE UTILITY BY, DATE *Walter D. Freeman, L.S.* (757) 925-1608 (Hampton Roads), 9/9/11

1" = 25'  
Scale

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	035		0035-087-112, RW201, C-501	3A

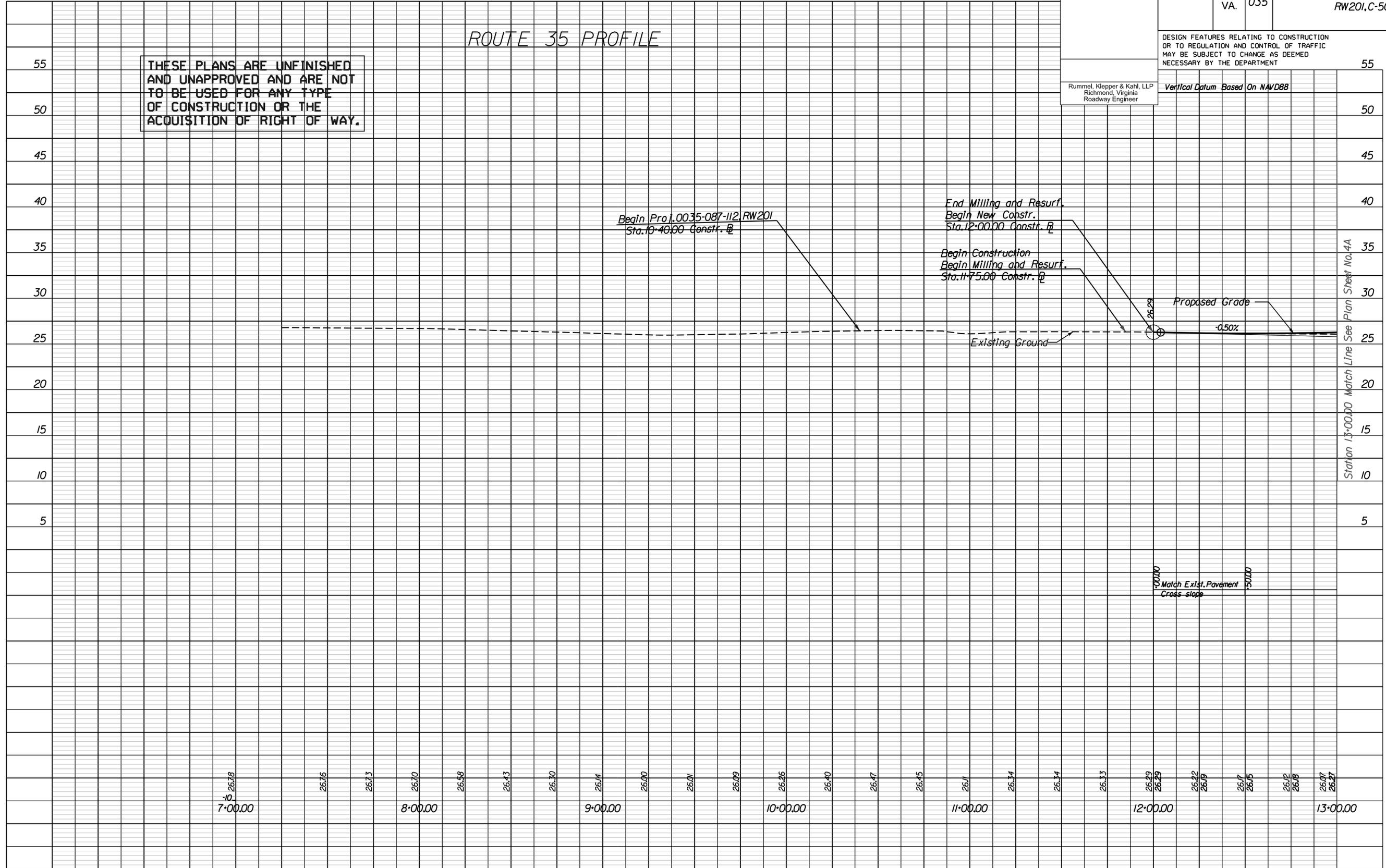
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Vertical Datum Based On NAVD88

Rummel, Klepper & Kahl, LLP  
Richmond, Virginia  
Roadway Engineer

# ROUTE 35 PROFILE

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





1"=25'  
Scale

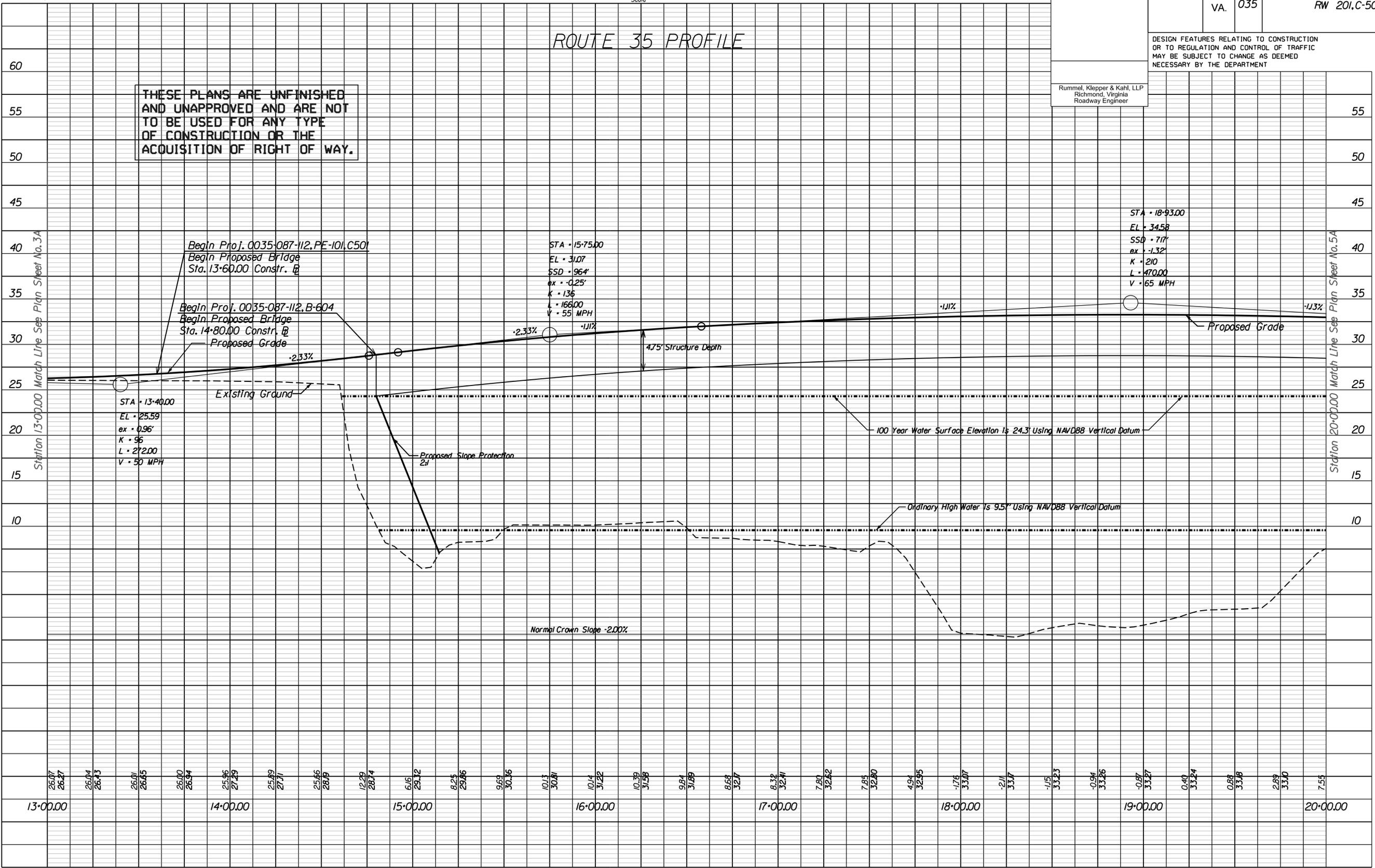
REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	035		0035-087-112, RW 201,C-501	4A

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

Rummel, Klepper & Kahl, LLP  
 Richmond, Virginia  
 Roadway Engineer

# ROUTE 35 PROFILE

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



PROJECT MANAGER: Gary S. Johnson, P.E. (804) 782-1903 (RK&K)  
SURVEYED BY, DATE: Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/8/11  
DESIGN SUPERVISED BY: Gladston R. Rose, P.E. (804) 782-1903 (RK&K)  
SUBSURFACE UTILITY, BY, DATE: Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/9/11

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	35	0035-087-112, RW201; B-604, C-501	5

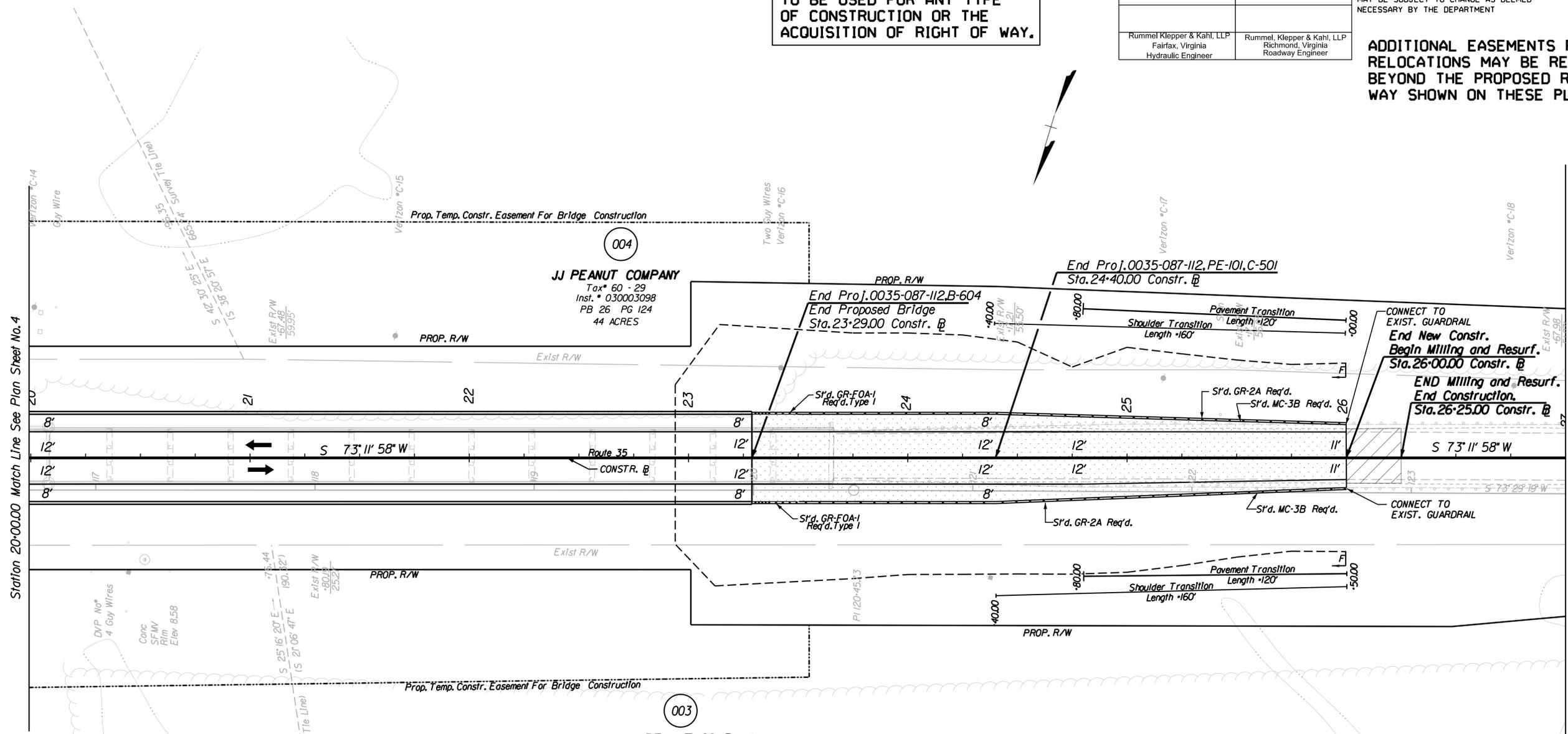
THESE PLANS ARE UNFINISHED  
AND UNAPPROVED AND ARE NOT  
TO BE USED FOR ANY TYPE  
OF CONSTRUCTION OR THE  
ACQUISITION OF RIGHT OF WAY.

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

ADDITIONAL EASEMENTS FOR UTILITY  
RELOCATIONS MAY BE REQUIRED  
BEYOND THE PROPOSED RIGHT-OF-  
WAY SHOWN ON THESE PLANS.

Rummel Klepper & Kahl, LLP  
Fairfax, Virginia  
Hydraulic Engineer

Rummel, Klepper & Kahl, LLP  
Richmond, Virginia  
Roadway Engineer



- \*\*\* Utility Owners \*\*\*
- Dominion Virginia Power  
Ms. Gaylene Watson  
1600 Hamilton Ave.  
Portsmouth VA, 23707-3528  
Gaylene 757-393-3824
  - Verizon South Inc.  
Mr. Mike Ziegler  
2920 OSP Engineering - 2nd Floor  
3011 Hungary Spring Road  
Richmond, VA, 23322
  - Town Of Courtland  
P. O. Box 39  
Courtland, VA, 23837
  - Department Of Public Utilities  
17287 Pittman Rd.  
Boykins, VA, 23827  
Julien W. Johnson, Jr.  
Director Of Public Utilities  
757-654-6024

003  
JJ PEANUT COMPANY  
Tax# 60 - 28  
Inst. # 030003098  
PB 26 PG 125  
36.5 ACRES

004  
JJ PEANUT COMPANY  
Tax# 60 - 29  
Inst. # 030003098  
PB 26 PG 124  
44 ACRES

- Denotes Proposed Pavement
- Denotes area of demolition of pavement
- Denotes Proposed 2" Mill

Note: Figures in parenthesis and dot-dashed lines denote Temporary Easements.  
Note: Figures in brackets and dot-dashed lines denote Permanent Easements.

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



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

Mainline Profile 5A

PROJECT	SHEET NO.
0035-087-112	5

PROJECT MANAGER: Gary S. Johnson, P.E. (804) 782-1903 (RK&K)  
SURVEYED BY: D&LE: Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/8/11  
DESIGN SUPERVISED BY: Gladston R. Rose, P.E. (804) 782-1903 (RK&K)  
SUBSURFACE UTILITY BY: D&LE: Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/9/11

1" = 25'  
Scale

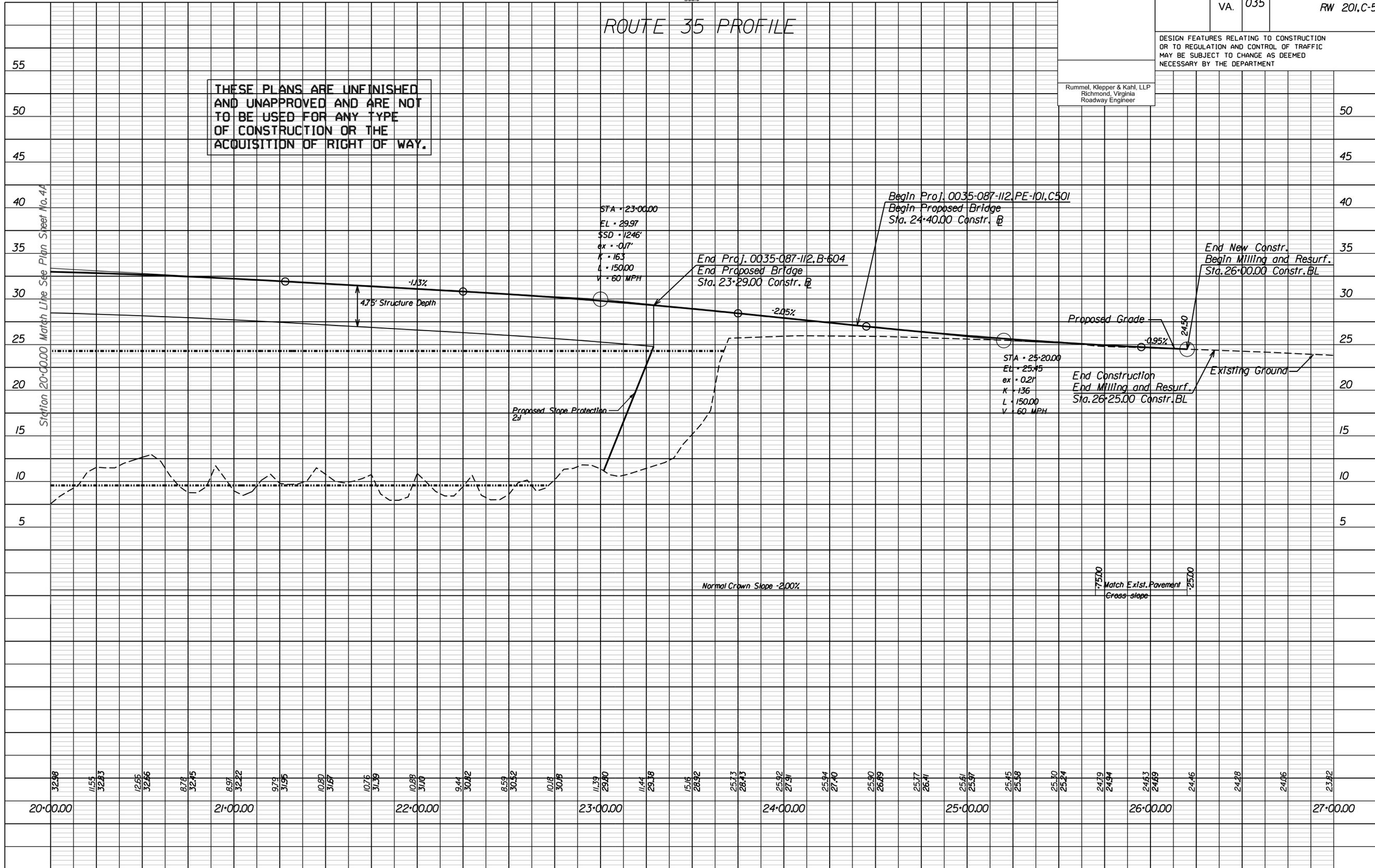
REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	035		0035-087-112 RW 201.C-501	5A

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

Rummel, Klepper & Kahl, LLP  
Richmond, Virginia  
Roadway Engineer

# ROUTE 35 PROFILE

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50

45

40

35

30

25

20

15

10

5

20+00.00

21+00.00

22+00.00

23+00.00

24+00.00

25+00.00

26+00.00

27+00.00

PROJECT  
0035-087-112

SHEET NO.  
5A

PROJECT MANAGER Gary S. Johnson, P.E. (804) 782-1903 (RK&K)  
 SURVEYED BY DATE Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/8/11  
 DESIGN SUPERVISED BY Gladston R. Rose, P.E. (804) 782-1903 (RK&K)  
 SUBSURFACE UTILITY BY DATE Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/9/11

REVISED	STATE		SHEET NO.
	ROUTE	PROJECT	
	VA.	35	0035-087-112, RW201; PE-101, C-501

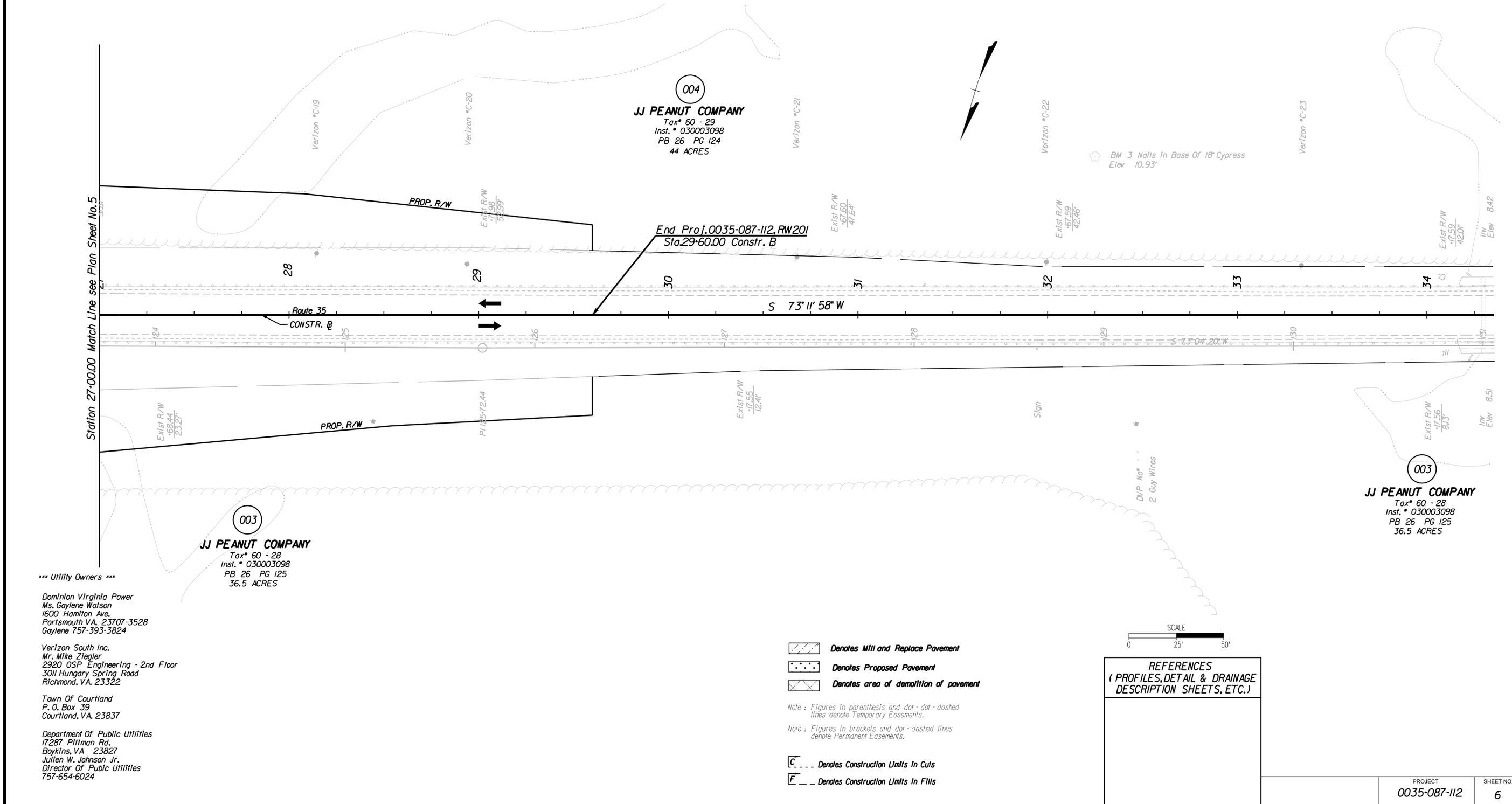
**THESE PLANS ARE UNFINISHED  
AND UNAPPROVED AND ARE NOT  
TO BE USED FOR ANY TYPE  
OF CONSTRUCTION OR THE  
ACQUISITION OF RIGHT OF WAY.**

Rummel Klepper & Kahl, LLP  
Fairfax, Virginia  
Hydraulic Engineer

Rummel, Klepper & Kahl, LLP  
Richmond, Virginia  
Roadway Engineer

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

**ADDITIONAL EASEMENTS FOR UTILITY  
RELOCATIONS MAY BE REQUIRED  
BEYOND THE PROPOSED RIGHT- OF-  
WAY SHOWN ON THESE PLANS.**



\*\*\* Utility Owners \*\*\*

DomInon Virginia Power  
Ms. Gaylene Watson  
1600 Hamilton Ave.  
Portsmouth VA. 23707-3528  
Gaylene 757-393-3824

Verizon South Inc.  
Mr. Mike Ziegler  
2920 OSP Engineering - 2nd Floor  
3011 Hungary Spring Road  
Richmond, VA. 23322

Town Of Courtland  
P. O. Box 39  
Courtland, VA. 23837

Department Of Public Utilities  
17287 Pittman Rd.  
Boykins, VA 23827  
Julien W. Johnson Jr.  
Director Of Public Utilities  
757-654-6024

**003**  
**JJ PEANUT COMPANY**  
Tax\* 60 - 28  
Inst.\* 030003098  
PB 26 PG 125  
36.5 ACRES

**004**  
**JJ PEANUT COMPANY**  
Tax\* 60 - 29  
Inst.\* 030003098  
PB 26 PG 124  
44 ACRES

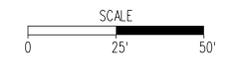
**003**  
**JJ PEANUT COMPANY**  
Tax\* 60 - 28  
Inst.\* 030003098  
PB 26 PG 125  
36.5 ACRES

- Denotes Mill and Replace Pavement
- Denotes Proposed Pavement
- Denotes area of demolition of pavement

Note : Figures in parenthesis and dot - dot - dashed lines denote Temporary Easements.

Note : Figures in brackets and dot - dashed lines denote Permanent Easements.

- Denotes Construction Limits in Cuts
- Denotes Construction Limits in Fills



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

PROJECT	SHEET NO.
0035-087-112	6



## ***Section 4.2.8***

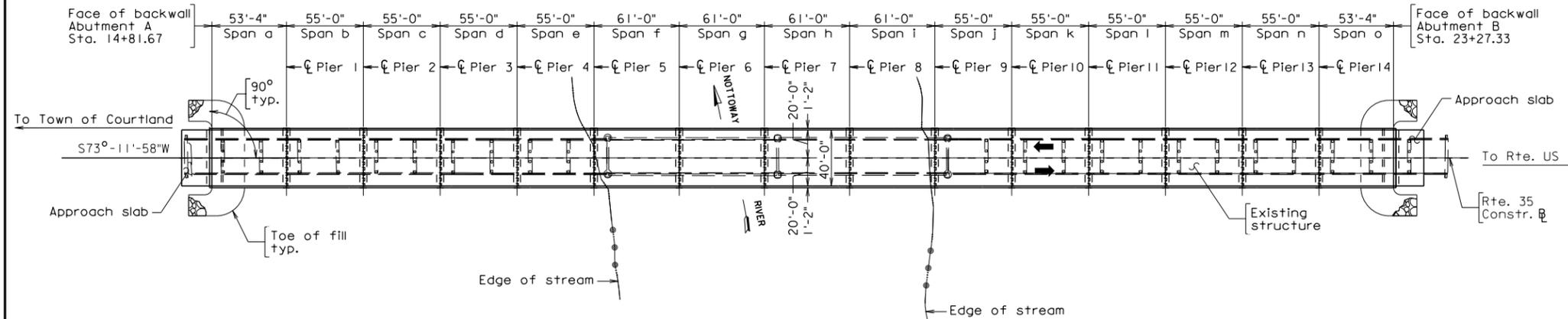
### ***Conceptual Bridge Plans***



*in association with* **RK&K**



STATE	FEDERAL AID		STATE		SHEET
VA.	ROUTE	PROJECT	ROUTE	PROJECT	NO.
	—		35	0035-087-112, B604	I
NBIS Number:			UPC No. 81457		
Federal Oversight Code:			FHWA Construction and Scour Code:		



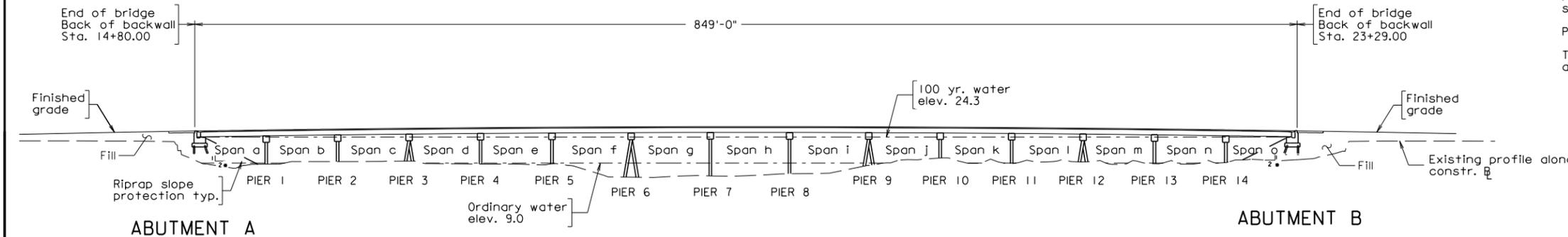
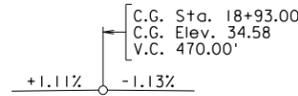
PLAN

**DESIGN EXCEPTION(S):**

None.

**GENERAL NOTES:**

- Widths: 40'-0" face-to-face of rails.
- Span layout: 1- 53'-4", 4- 55'-0", 4- 61'-0", 5- 55'-0", 1- 53'-4" prestressed concrete 37" 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; 2013 Interim Specifications; and VDOT Modifications.
  - Standards: Virginia Department of Transportation Road and Bridge Standards, 2008.
- Design loading includes 20 psf allowance for construction tolerances and construction methods.
- Concrete in superstructure including rails shall be Class A4; in sub-structure, Class A3.
- Prestressed concrete in bulb-T beams shall be Class A5 having a minimum compressive cylinder strength at 28 days equal to 5,000 psi and a minimum compressive cylinder strength at time of release of strands equal to 4,000 psi.
- Low permeability concrete shall be used in this project.
- All reinforcing steel shall be deformed and shall conform to ASTM A615, Grade 60 except for reinforcing steels noted as CRR (corrosion resistant reinforcement) which shall conform to the applicable specifications noted in the special provisions. All reinforcing bar dimensions on the detailed drawings are to centers of bars except where otherwise noted and are subject to fabrication and construction tolerances.
- Corrosion resistant reinforcing (CRR) steels shall conform to one or more of the three Classes listed in the special provision. The minimum yield strength shall be: 100 ksi for low carbon/chromium steel and 60 ksi for stainless clad steel or solid stainless steel. The Class of CRR steel required on this project is noted on the plan sheets and in the reinforcing steel schedule. Corrosion Resistant Reinforcing Steel, Class II or Class III, may be substituted for Class I. Corrosion Resistant Reinforcing Steel, Class III, may be substituted for Class II.
- Prestressing strands shall be uncoated, seven-wire, low-relaxation steel strands conforming to ASTM A416 Grade 270.
- Piles in abutments and piers have a design capacity of XX tons per pile.
- The existing structure is designated a Type B structure in accordance with Sec. 411.



DEVELOPED SECTION ALONG  $\phi$



COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
PROPOSED BRIDGE ON

RTE. 35 OVER NOTTOWAY RIVER  
COURTLAND / SOUTHAMPTON COUNTY  
0.04 MI. W SOUTHAMPTON COUNTY LINE  
PROJ. 0035-087-112,B604

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

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

PLANS BY:	RK&K
COORDINATED:	
SUPERVISED:	Gary Johnson
DESIGNED:	Ashley Johnson
DRAWN:	Jill Boxley
CHECKED:	Sagar Advarekar

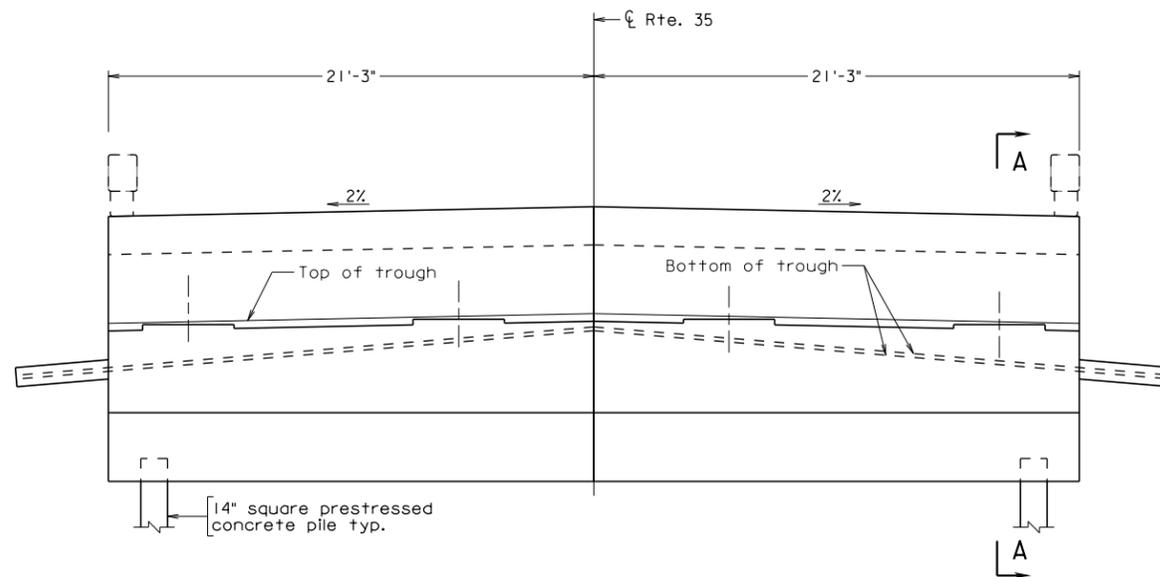
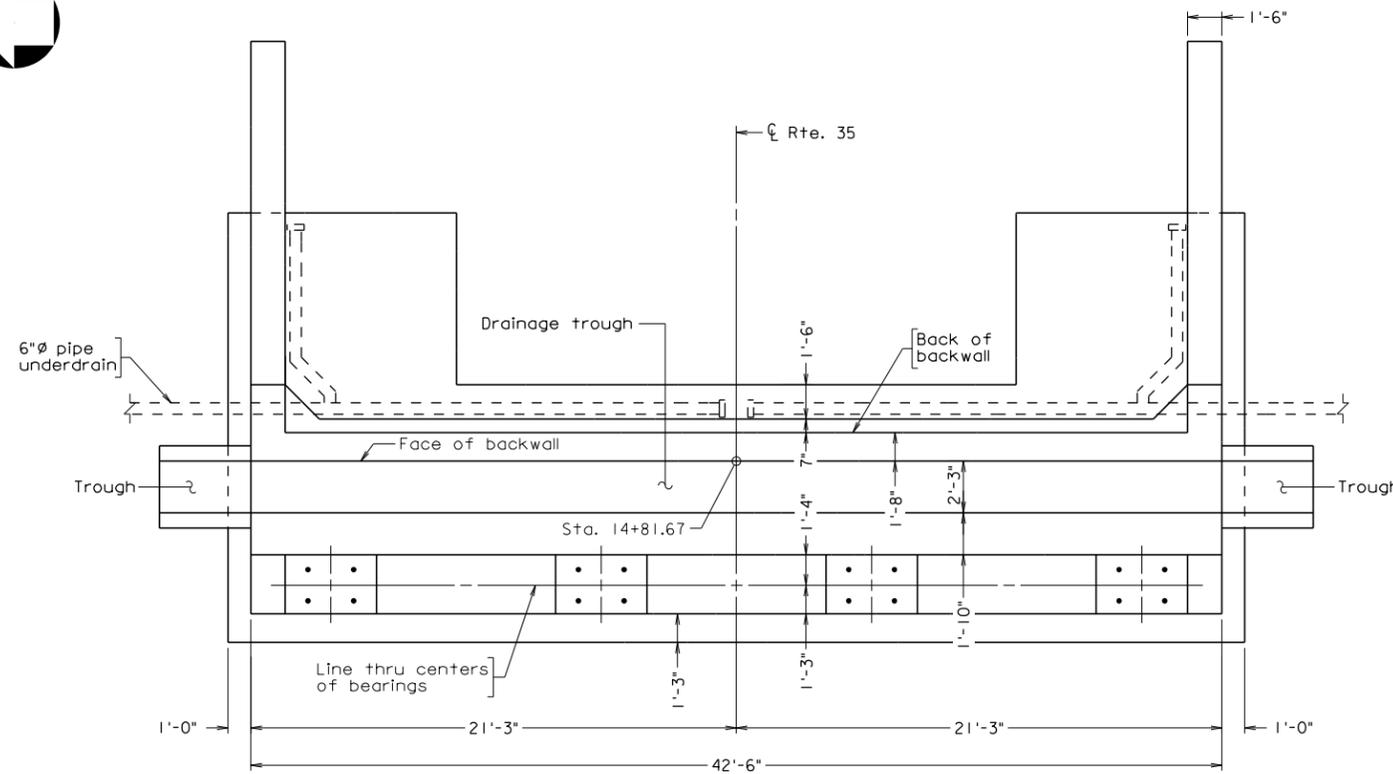
**PRELIMINARY PLANS**  
THESE PLANS NOT TO BE USED  
FOR CONSTRUCTION

Scale 1" = 50' unless otherwise noted

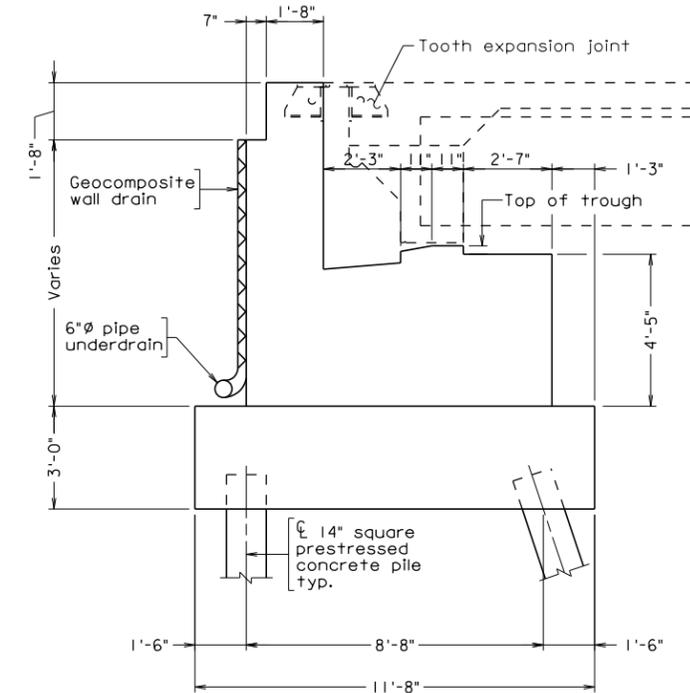
REVISIONS		
No.	Description	Date
For Table of Revisions, see Sheet 2.		



STATE	FEDERAL AID		STATE		SHEET NO.
	ROUTE	PROJECT	ROUTE	PROJECT	
VA.	—		35	0035-087-112, B604	3



Note:  
Abutment A shown, Abutment B similar.



b604\_003 Abutment.dgn

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

COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION						
STRUCTURE AND BRIDGE DIVISION						
ABUTMENT PLAN, ELEVATION AND SECTION						
No.	Description	Date	Designed: J.A. .... Drawn: G.S. .... Checked: G.S. ....	Date Sept. 2013	Plan No. Page 55	Sheet No. 3
Revisions						

Scale  $\frac{1}{4}" = 1'-0"$  unless otherwise noted

© 2013, Commonwealth of Virginia

RK&K  
RICHMOND, VA  
STRUCTURAL ENGINEER



# A Design Build Project for Route 35 Bridge Replacement

From: 0.072 Miles West of Southampton County Line  
To: 0.364 Miles West of Southampton County Line  
Southampton County, Virginia

Project No.: (NFO) 0035-087-112, PE-101, RW-201, C-501, B-604  
Federal Project No.: BR-087-5(014)  
Contract ID Number: C00081457DB57



Submitted to:



Submitted by:



in association with **RK&K**

**ATTACHMENT 4.0.1.2**

**DESIGN-BUILD PRICE PROPOSAL  
CHECKLIST**

**Project Name: Route 35 Bridge Replacement  
Contract ID Number: C00081457DB57**

---

➤ **Contents of Price Proposal:**

- Cost Breakdown Summary in whole numbers and Proposal Price in both numbers and words (Attachment 4.3.1)**
  - Total number of Bridge Closure Days (BCDs) in both words and numbers (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**
-



# *Section 4.3.1*

## *Price Proposal Form*



*in association with* **RK&K**

**ATTACHMENT 4.3.1**

**PRICE PROPOSAL FORM**

4.3.1 Offeror shall specify the pricing information for the items below, the dollars amount shall be in whole numbers:

Price Proposal Cost Breakdown Summary;

Design Services, LS	\$ <u>1,000,000.00</u>
Mobilization (Construction), LS	\$ <u>500,000.00</u>
QA/QC (Construction), LS	\$ <u>800,000.00</u>
Dismantle and Remove Existing Structure, LS	\$ <u>500,000.00</u>
Earthwork, LS	\$ <u>460,000.00</u>
Roadway Incidentals, LS	\$ <u>700,000.00</u>
Bridge (Structures), LS	\$ <u>5,888,000.00</u>
Drainage, LS	\$ <u>110,000.00</u>
Utilities, LS	\$ <u>100,000.00</u>
Environmental Permitting, LS	\$ <u>75,000.00</u>
ROW Acquisition, LS	\$ <u>50,000.00</u>
All Others Costs, LS	\$ <u>50,600.00</u>

Proposal Price; (Specify the Total Lump Sum price in both numbers and words, this price shall **equal** to the total sum of the items listed above)

Lump Sum (LS): ~~Ten Million, Two Hundred Thirty Three Thousand,~~  
Six Hundred Dollars (\$ 10,233,600.00)

4.3.2 Offeror shall specify the total number of Bridge Closure Days (BCDs) in both numbers and words:

BCDs = Three Hundred, Sixty-Five ( 365 ) days

Signature: John M. Jordan, Jr. Date: September 11, 2013  
John M. Jordan, Jr., Senior Vice President

Design-Builder: English Construction Company, Inc.

Vendor No.: E008



## ***Section 4.3.2***

# ***Price Adjustment Information and Forms for Fuel, Asphalt and Steel Prices***



*in association with* **RK&K**

**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.

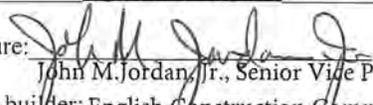
I elect to use this provision

I elect not to use this provision

**\* Items and Quantities for Asphalt Price Adjustment**

SM-12.5A	400 Tons
BM-25.0A	800 Tons
MC-3B Asphalt Curb	1,200 LF
Asphalt Curb Backup Material	60 Tons

Date: September 11, 2013

Signature:   
John M. Jordan, Jr., Senior Vice President  
Design-builder: English Construction Company, Inc.

Vendor No.: E008

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:

DISTRICT:

Bid Prices in this contract for items containing PG 64-22 asphalt cement were developed using an f.o.b. price of \$ 581.50 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 \$ \_\_\_\_\_ 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: September 11, 2013

SIGNATURE:

  
John M. Jordan, Jr., Senior Vice President

English Construction Company, Inc.  
(Firm or Corporation)

E008

(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.

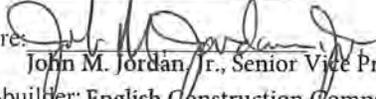
In the event any of the base fuel prices in this contract increase more than 100 percent (i.e. fuel prices double), the Department will review each affected item of work and give the Design-Builder written notice if work is to stop on any affected item of work. The Department reserves the right to reduce, 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: September 11, 2013

Signature:   
John M. Jordan, Jr., Senior Vice President  
Design-builder: English Construction Company, Inc.

Vendor No.: E008

\* Items and Quantities for Fuel Price Adjustment

SM-12.5A	400 Tons
BM-25.0A	800 Tons
MC-3B Asphalt Curb	1,200 LF
Asphalt Curb Backup Material	60 Tons
Regular Excavation	300 CY
Borrow Excavation	16,000 CY
Class A-4 Concrete	1,300 CY
Class A-3 Concrete	900 CY
RipRap, CI II	1,000 Tons

---

**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.



---

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

---

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

$$B = \$0.2816$$

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

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

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

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

---

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

---

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.**

ITEM NUMBER	ITEM DESCRIPTION	UNITS	Number WPU used in \$ adjust.
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

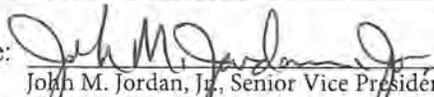
45572	18" STEEL ENCASE. PIPE	LF	101706
45582	24" STEEL ENCASE. PIPE	LF	101706
45584	24" JACKED STEEL ENCASEMENT PIPE	LF	101706
45592	30" STEEL ENCASE. PIPE	LF	101706
50402	SIGN POST STEEL 3"	LF	101706
50404	SIGN POST STEEL 4"	LF	101706
50406	SIGN POST STEEL 6"	LF	101706
50410	SIGN POST STEEL 10"	LF	101706
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: September 11, 2013

Signature:   
John M. Jordan, Jr., Senior Vice President

Design-Builder: English Construction Company, Inc.

Vendor No.: E008



## *Section 4.3.3*

# *Proposal Guaranty Form C-24*

Section 4.3.3  
Proposal Guaranty Form C-24



*in association with* **RK&K**

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
PROPOSAL GUARANTY

KNOW ALL MEN BY THESE PRESENTS, THAT WE English Construction Company, Inc. 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 11th Day of September, 20 13

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

PROJECT NUMBER: (NFO) 0035-087-112, PE-101, RW-201, C-501, B-604

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.

English Construction Company, Inc.

(Principal\*)

By:

John M. Jordan, Jr.  
(Officer, Partner or Owner) (Seal)  
John M. Jordan, Jr., Senior Vice President

(Principal\*)

By:

(Officer, Partner or Owner) (Seal)

(Principal\*)

By:

(Officer, Partner or Owner) (Seal)

Travelers Casualty and Surety Company of America

(Surety Company)

By:

Frances M. Saunders  
(Attorney-in-Fact\*\*) (Seal)  
Frances M. Saunders, Attorney-in-Fact  
202 River Oaks Drive, Altavista, VA 24517

(Address)

By:

(Surety Company)

(Attorney-in-Fact\*\*) (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. 213509

Certificate No. 005184841

KNOW ALL MEN BY THESE PRESENTS: That Farmington Casualty Company, 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 are corporations duly organized under the laws of the State of Connecticut, 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

Whitney D. Melton, and Frances M. Saunders

of the City of Altavista, State of Virginia, 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 11th day of September, 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]
Robert L. Raney, Senior Vice President

On this the 11th day of September, 2012, before me personally appeared Robert L. Raney, 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

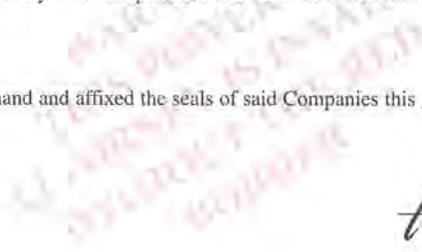
**FURTHER RESOLVED**, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is 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 11<sup>th</sup> day of September, 20 13.



*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.



## *Section 4.3.4*

# *Sworn Statement Forms*

Section 4.3.4  
Sworn Statement Forms



*in association with* **RK&K**

**COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION**

PROJECT: 0035-087-112, PE-101, RW-201, C-501, B-604

FHWA: BR-087-5(014)

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.

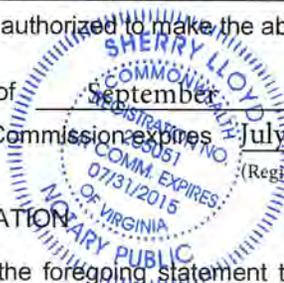
**AFFIDAVIT**

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 Lynchburg, Virginia, this 11th day of September, 20 13  
County (City), STATE  
English Construction Company, Inc. By: John M. Jordan, Jr. John M. Jordan, Jr.,  
(Name of Firm) (Signature) Senior Vice President  
STATE of Virginia County (City) of Lynchburg Title (print)

To-wit: I Sherry Lloyd, a Notary Public in and for the State and County (City) of Lynchburg hereby certify that this day John M. Jordan, Jr., Senior Vice President 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 11th day of September, 20 13  
(Signature) My Commission expires July 31, 2015  
Notary Public (Registration No. 205051)



**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: \_\_\_\_\_ (Signature) \_\_\_\_\_ Title (print)

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

Form C-105  
Rev. 7-13-05

**COMMONWEALTH OF VIRGINIA**  
**DEPARTMENT OF TRANSPORTATION**  
**AFFIDAVIT**

PROJECT:0035-087-112, PE-101, RW-201, C-501, B-604

FHWA: BR-087-5(014)

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>Virginia Transportation Construction Alliance</u>	<u>Richmond, VA</u>
<u>American Road and Transportation Builders Association</u>	<u>Washington, DC</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 Lynchburg, Virginia, this 11<sup>th</sup> day of September, 20 13  
County (City), STATE John M. Jordan, Jr.,  
English Construction Company, Inc. By: [Signature] Senior Vice President  
(Name of Firm) (Signature) Title (print)  
STATE of Virginia County (CITY) of Lynchburg

To-wit: I Sherry Lloyd, a Notary Public in and for the State and  
County(City) aforesaid, hereby certify that this day John M. Jordan, Jr., Senior Vice President  
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 11th day of September, 20 13  
[Signature] My Commission Expires July 31, 2015  
Notary Public (Registration No. 205051)





## *Section 4.3.5*

# *DBE Requirement Forms*



*in association with* **RK&K**

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
MINIMUM DBE REQUIREMENTS

PROJECT NO. 0035-087-112, PE-101, RW-201, C-501, B-604

FHWA NO. BR-087-5(014)

\*\*\* INSTRUCTIONS \*\*\*

THIS FORM CAN BE USED BY THE CONTRACTOR TO SUBMIT THE NAMES OF DBE FIRMS TO BE UTILIZED ON THE PROJECT. THE CONTRACTOR SHALL INDICATE THE DESCRIPTION OF THE CATEGORY (S, M, SP or H) AND THE TYPE OF WORK THAT EACH DBE WILL PERFORM AND THE ALLOWABLE CREDIT PER ITEM(S). ADDITIONAL SHEETS TO SHOW THE ALLOWABLE CREDIT PER ITEM MAY BE ATTACHED IF NECESSARY. **PLEASE NOTE:** THE AMOUNT OF ALLOWABLE CREDIT FOR A DBE SUPPLIER IS 60% OF THE TOTAL COST OF THE MATERIALS OR SUPPLIES OBTAINED AND 100% FOR A DBE MANUFACTURER OF THE MATERIALS AND SUPPLIES OBTAINED. A CONTRACTOR MAY COUNT 100% OF THE FEES PAID TO A DBE HAULER FOR THE DELIVERY OF MATERIALS AND SUPPLIES TO THE PROJECT SITE, BUT NOT FOR THE COST OF THE MATERIALS AND SUPPLIES THEMSELVES.

DBE REQUIREMENT 12 %

PERCENT ATTAINED BY BIDDER 12.04 %

NAMES(S) AND CERTIFICATION NO. OF DBE(S) TO BE USED	USED AS SUBCONTR. (S) MFG. (M) SUPPLIER (SP) HAULER (H)	TYPE OF WORK AND ITEM NO(S)	\$ AMOUNT OF ALLOWABLE CREDIT PER ITEM
<u>NXL Construction Co #679423</u>	<u>S</u>	<u>QA</u>	<u>\$ 350,000.00</u>
<u>H+B Surveying + Mapping #626437</u>	<u>S</u>	<u>Design Survey</u>	<u>\$ 33,000.00</u>
<u>D.T. Reed Steel Co. #R440</u>	<u>S</u>	<u>Prest. Conc. Girders</u>	<u>\$ 516,136.00</u>
<u>D.T. Reed Steel Co. #R440</u>	<u>S</u>	<u>Superstructure Reinf. Steel.</u>	<u>\$ 333,175.00</u>
		<b>TOTAL</b>	<b>\$ 1,232,311.00</b>

TOTAL CONTRACT VALUE \$ 10,233,600.00 x REQUIRED DBE 12 % = \$ 1,228,032.00

I/WE CERTIFY THAT THE PROPOSED DBE(S) SUBMITTED WILL BE USED ON THIS CONTRACT AS STATED HEREON AND ASSURE THAT DURING THE LIFE OF THE CONTRACT. I/WE WILL MEET OR EXCEED THE PARTICIPATION ESTABLISHED HEREON BY THE DEPARTMENT.

English Construction Company, Inc.  
BIDDER

BY

John M. Jordan, Jr.  
SIGNATURE

Senior Vice President  
TITLE

BY

September 11, 2013  
DATE

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

Project No.: 0035-087-112, PE-101, RW-201, C-501, B-604

Federal Project No.: BR-087-5(014)

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 English Construction Company, Inc.

By:   
Signature

John M. Jordan, Jr.  
Senior Vice President

Title

Date: September 5, 2013

First Tier  
Subcontractor if  
Applicable

Rummel, Klepper & Kahl, LLP

By:   
Signature

Partner

Title

Date: September 5, 2013

Second Tier  
Subcontractor if  
Applicable

\_\_\_\_\_

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

Third Tier  
Subcontractor if  
Applicable

\_\_\_\_\_

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

DBE Contractor

*H&B Surveying and Mapping, LLC*  
\_\_\_\_\_

By: *John R. Bynard* \_\_\_\_\_  
Signature Title  
Date: *8/1/13* \_\_\_\_\_

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

Project No.: 0035-087-112, PE-101, RW-201, C-501, B-604

Federal Project No.: BR-087-5(014)

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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 English Construction Company, Inc.

By:  Signature  
John M. Jordan, Jr.  
Senior Vice President  
Title  
Date: September 5, 2013

First Tier  
Subcontractor if  
Applicable Rummel, Klepper & Kahl, LLP

By:  Signature  
Partner  
Title  
Date: September 5, 2013

Second Tier  
Subcontractor if  
Applicable

\_\_\_\_\_

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

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

Third Tier  
Subcontractor if  
Applicable

\_\_\_\_\_

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

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

DBE Contractor

NXL Construction Services, Inc.

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

Date: Aug 28, 2013

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

Project No.:

Federal Project No.:

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

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SUBCONTRACTORS HAVING A CONTRACT WITH THE BELOW NAMED DBE FIRM**

Prime Contractor English Construction Company, Inc.

By:   
Signature

John M. Jordan, Jr.  
Senior Vice President  
Title

Date: September 5, 2013

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.T. READ STEEL CO., INC.

By:  \_\_\_\_\_  
Signature Title  
Date: 8/28/2013



**CD-ROM**



*in association with* **RK&K**