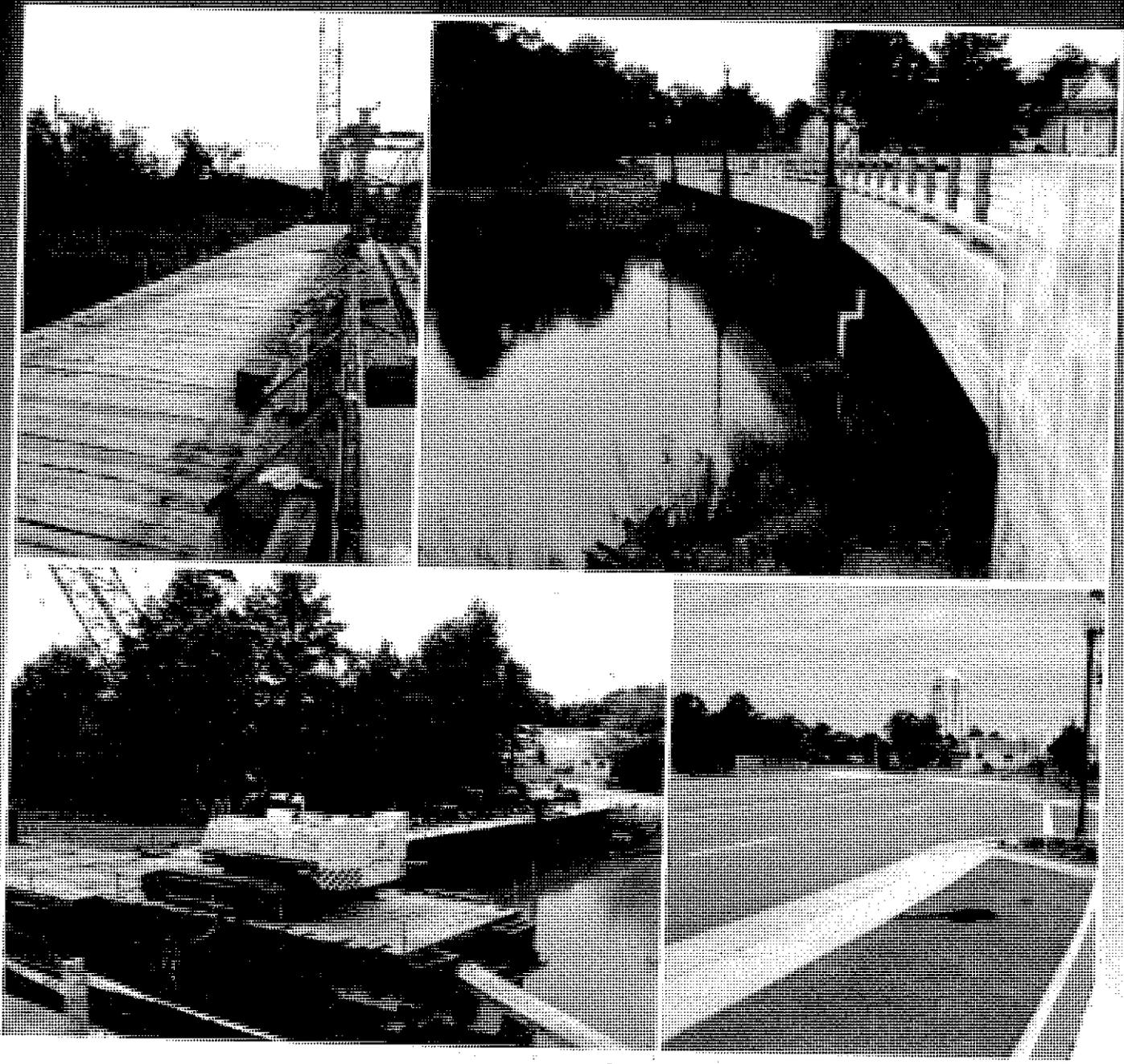


# Route 35 Bridge Replacement Letter of Submittal and Attachments to the Letter of Submittal



Submitted by Waterfront Marine Construction, Inc - September 5, 2013

**Route 35 Bridge Replacement**  
Letter of Submittal and  
Attachments to the Letter of Submittal



**Letter of Submittal**  
**Checklist and Contents**

**Attachment 4.0.1.1**

Submitted by Waterfront Marine Construction, Inc - September 5, 2013

**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	TAB #1
<b>Acknowledgement of RFP, Revisions, and/or Addenda</b>	Attachment 3.4 (Form C-78-RFP)	Sections 3.4; 4.0.1.1	TAB #2
<b>Letter of Submittal</b>			
Letter of Submittal on Offeror's letterhead	NA	Sections 4.1	TAB #3
Offeror's full legal name and address	NA	Section 4.1.1	TAB #3
Authorized representative's original signature	NA	Section 4.1.1	TAB #3
Declaration of intent	NA	Section 4.1.1	TAB #3
120 day declaration	NA	Section 4.1.2	TAB #3
Point of Contact information	NA	Section 4.1.3	TAB #3
Principal Officer information	NA	Section 4.1.4	TAB #3
Offeror's Corporate Structure	NA	Section 4.1.5	TAB #3
Full Legal Name of Lead Contractor and Lead Designer	NA	Section 4.1.6	TAB #3
Offeror's VDOT prequalification information	NA	Section 4.1.7	TAB #3
DBE statement confirming Offeror is committed to achieving the required 12% DBE goal	NA	Section 4.1.8	TAB #3
Interim Milestone and Final Completion Dates	NA	Section 4.1.9	TAB #3
		Section 4.1.10	TAB #3

**ATTACHMENT 4.0.1.1**

**ROUTE 35 BRIDGE REPLACEMENT**

**LETTER OF SUBMITTAL CHECKLIST AND CONTENTS**

Letter of Submittal Component	Form (if any)	RFP Part 1 Cross Reference	Page Reference
<b><u>Attachments to the Letter of Submittal</u></b>	NA	Section 4.2	TAB #4
Affiliated and/ or Subsidiary Companies	Attachment 4.2.1	Section 4.2.1	TAB #5
Certification Regarding Debarment Forms	Attachment 4.2.20(a) Attachment 4.2.2(b)	Section 4.2.2	TAB #6
Offeror's VDOT prequalification certificate	NA	Section 4.2.3	TAB #7
Evidence of obtaining bonding	NA	Section 4.2.4	TAB #8
Full size copies of DPOR licenses and SCC registrations	NA	Section 4.2.5	TAB #9
SCC registration information - businesses	Attachment 4.2.5	Section 4.2.5.1	TAB #9
DPOR registration information - businesses	Attachment 4.2.5	Section 4.2.5.2	TAB #9
Lead Contractor Work History Form	Attachment 4.2.6(a)	Section 4.2.6	TAB #10
Lead Designer Work History Form	Attachment 4.2.6(b)	Section 4.2.6	TAB #11
Conceptual Roadway Plans	NA	Section 4.2.7	TAB #12
Conceptual Bridge Plans	NA	Section 4.2.8	TAB #13
CD-ROM	NA	NA	TAB #14

**Route 35 Bridge Replacement**  
**Letter of Submittal and**  
**Attachments to the Letter of Submittal**



**Acknowledgment of RFP,**  
**Revisions, and/or Addenda**

Attachment 3.4

Submitted by Waterfront Marine Construction, Inc - September 5, 2013

**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 – SFM Plans  
(Date)

 _____ SIGNATURE	<u>9-11-2013</u> _____ DATE
<u>John W. Greene</u> _____ PRINTED NAME	<u>Sr. Vice President</u> _____ TITLE

**Route 35 Bridge Replacement**  
Letter of Submittal and  
Attachments to the Letter of Submittal



**Letter of Submittal**

Submitted by Waterfront Marine Construction, Inc - September 5, 2013



2809 Crusader Circle, Virginia Beach, VA 23453-3133

Office: 757-468-1500 | Fax: 757-468-2100

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

September 11, 2013

Ms. Williams,

Please find enclosed Waterfront Marine Construction, Inc.'s (full legal name of Offeror and located at 2809 Crusader Circle, Virginia Beach, VA 23453) submittal for VDOT's Route 35 Bridge Replacement. By submitting this package, I declare our intent, if selected, to enter into a contract with VDOT for this project in accordance with the terms of this RFP, Contract ID# C00081457DB57. I also declare that the offer represented in the Price Proposal will remain in full force and effect for 120 days after the date of this submission.

William Brett will serve as the Point of Contact and John Greene as the Principal Offeror of Waterfront Marine. Contact information is as follows:

**POC**

William Brett  
Chief Estimator  
2809 Crusader Circle  
Virginia Beach, VA 23453-3133  
757-468-1500  
FAX: 757-468-2100  
[wbrett@waterfrontmarine.net](mailto:wbrett@waterfrontmarine.net)

**Principal Offeror**

John Greene  
Senior Vice President  
2809 Crusader Circle  
Virginia Beach, VA 23453-3133  
757-468-1500  
FAX: 757-468-2100  
[jgreene@waterfrontmarine.net](mailto:jgreene@waterfrontmarine.net)

Waterfront Marine Construction, Inc. is structured as a corporation. Waterfront Marine Construction, Inc. will undertake the financial responsibility for this project. The liability limitations exceed \$100 Million Dollars.

The full legal name of the contractor is Waterfront Marine Construction, Inc. and the Lead Designer is URS Corporation.

Waterfront Marine has active status with current VDOT prequalification # W140.

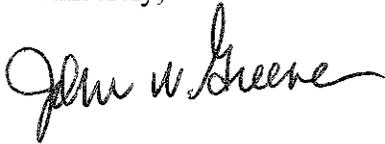
As such, Waterfront Marine is committed to achieving 12% DBE participating goal for the entire value of the contract.

The following are interim milestone and the Final Completion Dates:

- Bridge closing - December 1, 2014
- Bridge Reopening – September 30, 2015
- Final Completion Date – 11/30/15

Attached are also our attachments to support the submittal, including reference projects which demonstrate our ability to deliver this project. We look forward to the possibility of delivering this project safely, on time, and on budget.

Sincerely,



John Greene  
Senior Vice President  
Waterfront Marine Construction, Inc.



An **hicon** INC. Company

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**Route 35 Bridge Replacement**  
Letter of Submittal and  
Attachments to the Letter of Submittal



**Attachments to the  
Letter of Submittal**

Submitted by Waterfront Marine Construction, Inc - September 5, 2013

**Route 35 Bridge Replacement  
Letter of Submittal and  
Attachments to the Letter of Submittal**



**Affiliated and/or  
Subsidiary Companies**

Attachment 4.2.1

**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.

- The Offeror does not have any affiliated or subsidiary companies.  
 Affiliated and/ or subsidiary companies of the Offeror are listed below.

Relationship with Offeror (Affiliate or Subsidiary)	Full Legal Name	Address
Subsidiary	Advance Hauling, Inc.	2809 Crusader Circle, Virginia Beach, VA 23453
Affiliate	Infrastructure and Industrial Constructors, LLC	One Bigelow Square, Suite 724, Pittsburgh, PA 15219
Affiliate	Infrastructure and Industrial Energy, LLC	One Bigelow Square, Suite 708, Pittsburgh, PA 15219
Affiliate	Joseph B. Fay Co.	100 Sky Lane, Tarentum, PA 15084

**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**

**Route 35 Bridge Replacement**  
Letter of Submittal and  
Attachments to the Letter of Submittal



**Certification Regarding  
Debarment Forms**

Attachment 4.2.2(a)

Attachment 4.2.2(b)

**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.

<u>John W. Sheene</u>	<u>9-11-2013</u>	<u>JR. VICE PRESIDENT</u>
Signature	Date	Title

Waterfront Marine Construction, 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.

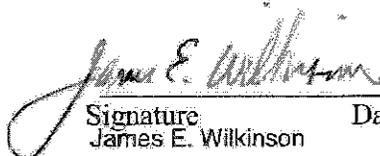
	08/22/13	Vice President
Signature	Date	Title
URS Corporation		
Name of Firm		

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.

	<u>September 11, 2013</u>	<u>Senior Vice President</u>
Signature James E. Wilkinson	Date	Title

Joseph B. Fay Co.  
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	<u>8/28/2013</u> _____ Date	<u>President</u> _____ Title
<u>D.T. Read Steel Co., Inc.</u> _____ 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.

<u>Susan B. Ritter</u>	<u>9/3/2013</u>	<u>President</u>
Signature	Date	Title

Bryant-Ritter Electric Corporation  
Name of Firm

**Route 35 Bridge Replacement**  
Letter of Submittal and  
Attachments to the Letter of Submittal



**Offeror's VDOT  
Prequalification Certificate**

Submitted by Waterfront Marine Construction, Inc - September 5, 2013



COMMONWEALTH OF VIRGINIA



# CERTIFICATE OF QUALIFICATION

## WATERFRONT MARINE CONSTRUCTION, INC.

Vendor Number: W140

In accordance with the Regulations of the Virginia Department of Transportation, you are hereby notified that the following Rating and Classifications have been assigned to your firm:

**PREQUALIFIED**

Work Classes: MAJOR STRUCTURES

Issue Date: 10/23/2012

This Rating and Classification will Expire: 10/31/2013

Suzanne FR Lucas, Prequalification Officer

Don E. Silles, State Contract Officer

**Route 35 Bridge Replacement**  
**Letter of Submittal and**  
**Attachments to the Letter of Submittal**



**Evidence of Obtaining**  
**Bonding**

Submitted by Waterfront Marine Construction, Inc - September 5, 2013



September 11, 2013

Virginia Department of Transportation  
1401 East Broad Street  
Richmond, VA 23219

**Subject: Waterfront Marine Construction, Inc.**  
**Contract ID# C00081457DB57**  
**Route 35 Bridge Replacement, Southampton County, VA**  
**Estimated Contract Price: \$13,500,000.00**

To Whom It May Concern:

As sureties for the above named Contractor, Liberty Mutual Insurance Company with an A.M. Best Rating of A and Financial Size Category XV and Travelers Casualty and Surety Company of America with an A.M. Best Rating of A+ and Financial Size Category XIV are capable of furnishing 100% Performance Bond and 100% Labor and Materials Payment Bond in the amount of the anticipated cost of construction, and said bonds will cover the Project and any warranty periods as provided for in the Contract Documents on behalf of the Contractor, in the event that such firm be the successful bidder and enter into a contract for this Project.

Sincerely,

A handwritten signature in black ink that reads "Wendy A. Bright". The signature is written in a cursive, slightly slanted style.

Wendy A. Bright  
Attorney-in-Fact

**THIS POWER OF ATTORNEY IS NOT VALID UNLESS IT IS PRINTED ON RED BACKGROUND.**

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

Certificate No. 5949279

American Fire and Casualty Company  
The Ohio Casualty Insurance Company

Liberty Mutual Insurance Company  
West American Insurance Company

**POWER OF ATTORNEY**

KNOWN ALL PERSONS BY THESE PRESENTS: That American Fire & Casualty Company and The Ohio Casualty Insurance Company are corporations duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, **CATHY H. HO; ELENA ZUNIC; JAMES M. GRIFFITH; LESLIE L. RUDAT; WENDY A. BRIGHT**

all of the city of PITTSBURGH state of PA each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 14th day of January, 2013.



American Fire and Casualty Company  
The Ohio Casualty Insurance Company  
Liberty Mutual Insurance Company  
West American Insurance Company

By: Gregory W. Davenport  
Gregory W. Davenport, Assistant Secretary

STATE OF WASHINGTON  
COUNTY OF KING

ss.

On this 14th day of January, 2013, before me personally appeared Gregory W. Davenport, who acknowledged himself to be the Assistant Secretary of American Fire and Casualty Company, Liberty Mutual Insurance Company, The Ohio Casualty Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute 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 have hereunto subscribed my name and affixed my notarial seal at Seattle, Washington, on the day and year first above written.



By: KD Riley  
KD Riley, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of American Fire and Casualty Company, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

**ARTICLE IV - OFFICERS** - Section 12. Power of Attorney. Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

**ARTICLE XIII - Execution of Contracts - SECTION 5: Surety Bonds and Undertakings.** Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

**Certificate of Designation** - The President of the Company, acting pursuant to the Bylaws of the Company, authorizes Gregory W. Davenport, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

**Authorization** - By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, David M. Carey, the undersigned, Assistant Secretary, of American Fire and Casualty Company, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, 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 11th day of SEPTEMBER, 2013.



By: David M. Carey  
David M. Carey, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, bank deposit, currency rate, interest rate or residual value guarantees.

To confirm the validity of this Power of Attorney call 1-610-832-8240 between 9:00 am and 4:30 pm EST on any business day.



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. 226054

Certificate No. 005337645

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

Leslie L. Rudat, Elena Zunic, Wendy A. Bright, James M. Griffith, and Cathy H. Ho

of the City of Pittsburgh, State of Pennsylvania, 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 17th day of January, 2013

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 17th day of January, 2013, 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

**Route 35 Bridge Replacement**  
**Letter of Submittal and**  
**Attachments to the Letter of Submittal**



**Full Size Copies of**  
**DPOR Licenses and SCC**  
**Registrations**

Attachment 4.2.5

**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.

SCC & DPOR INFORMATION FOR BUSINESSES (RFP Sections 4.2.5.1 and 4.2.5.2)							
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
Waterfront Marine Construction, Inc.	0235224-3	C Corp	Active	2809 Crusader Cir. Virginia Beach, Va. 23453-3133	Contractor	2701022985	03-31-2014
URS Corporation	F0387615	Foreign Corp	Active	277 Bendix Rd,#500 Virginia Beach, Va 23452	Engineer	0411000280	02-28-2014
Joseph B Fay Co.	F0130486	Foreign Corp	Active	PO Box 66 Russellton, Pa 15076-0066	Contractor	2705079280	09-30-2015
D T Read Steel Co. Inc.	0447740-2	S Corp	Active	1725 West Road Chesapeake, VA 23323	Contractor	2705029510	06-30-2015
Bryant-Ritter Electric Corporation	0632093-1	S Corp	Active	3935 S. Military Highway, Chesapeake, VA 23321	Contractor	2705102555	02-28-2014

**ATTACHMENT 4.2.5**

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

**SCC and DPOR Information - Businesses**

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
COMMONWEALTH OF VIRGINIA

EXPIRES ON  
03-31-2014

9980 Mayland Dr., Suite 400, Richmond, VA 23233  
Telephone: (804) 367-8500

NUMBER  
2701822985

BOARD FOR CONTRACTORS  
CLASS A CONTRACTOR  
CLASSIFICATIONS: H/H/HIG MCG

WATERFRONT MARINE CONSTRUCTION INC  
2809 CRUISADER CIR  
VIRGINIA BEACH, VA 23453-3133



*Robert W. Dixon*  
Robert W. Dixon, Director

ALTERATION OF THIS DOCUMENT USE AFTER EXPIRATION, REFUSE BY PERSON OR FIRM OTHER  
THAN THOSE NAMED MAY RESULT IN CRIMINAL PROSECUTION UNDER THE CODE OF VIRGINIA.

(SEE REVERSE SIDE FOR NAME AND/OR ADDRESS CHANGE)



COMMONWEALTH OF VIRGINIA  
STATE CORPORATION COMMISSION

Office of the Clerk

NOTICE OF IMPENDING TERMINATION OF CORPORATE EXISTENCE  
OF A VIRGINIA CORPORATION

December 5, 2012

CORP NAME: Waterfront Marine Construction, Inc.

SCC ID NO.: 0235224-3

*Paid by  
Credit Card  
12/17/2012  
C/M*

+ 0406056 000005854 09SCC4 0122463  
CORPORATION SERVICE COMPANY  
Waterfront Marine Construction, Inc.  
1111 EAST MAIN STREET  
BANK OF AMERICA CENTER, 16TH FLOOR  
RICHMOND VA 23219



The records of the State Corporation Commission indicate that the Commission did not receive payment of the annual registration fee for the above-referenced corporation on or before **November 30, 2012**. Accordingly, the corporation has been assessed a \$16.00 penalty pursuant to § 13.1-775.1 (stock corporations) or § 13.1-936.1 (nonstock corporations) of the Code of Virginia.

Please be advised that if payment of the annual registration fee is not received by the Commission on or before **March 31, 2013**, the corporation's existence will be **automatically terminated** as of that date pursuant to § 13.1-752 or § 13.1-914 of the Code of Virginia. Note: If the aforesaid date falls on a weekend or scheduled holiday, your payment, if delivered by mail or in person, will need to be received in time for it to be processed on or before the last business day that precedes that date. Postmarks cannot be considered and extensions of time cannot be granted.

Please also note that the Commission cannot file or issue any document (other than an annual report, a statement of change of registered agent or registered office, or a statement of resignation by the registered agent) or certificate with respect to the corporation until all of its outstanding fees and penalties have been paid. See § 13.1-615 or § 13.1-815 of the Code of Virginia.

A separate notice of impending termination will be mailed to the corporation if its annual report was not filed by its due date. If you have any questions, please contact the Clerk's Office at (804) 371-9733 or toll-free in Virginia at 1-866-722-2551, or write or visit us at 1300 East Main Street, P.O. Box 1197, Richmond, VA 23218-1197.

SC0041-00A Detach Payment Coupon Along This Perforation

**This annual registration fee may be paid online at [sccfile.scc.virginia.gov](http://sccfile.scc.virginia.gov).**

**or** send a check payable to **Treasurer of Virginia** with this coupon. Include the Corporation's SCC ID number on your check.

**2012**

STATE CORPORATION COMMISSION  
CLERK'S OFFICE  
P.O. BOX 7607  
MERRIFIELD, VA 22116-7607

CORP NAME: Waterfront Marine Construction, Inc.

SCC ID NO.: 0235224-3

FEE	PENALTY	PRIOR YEARS BALANCE	TOTAL DUE
\$160.00	\$16.00	\$0.00	\$176.00

2041040235224312000176003

# Commonwealth OF Virginia



## State Corporation Commission

### CERTIFICATE OF GOOD STANDING

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

That URS CORPORATION, a corporation incorporated under the law of Nevada, is authorized to transact business in the Commonwealth of Virginia;

That it obtained a certificate of authority to transact business in Virginia from the Commission on June 17, 1981; and

That the corporation is in good standing in the Commonwealth of Virginia as of the date set forth below.

Nothing more is hereby certified.



*Signed and Sealed at Richmond on this Date:*  
*October 18, 2012*

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

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
COMMONWEALTH OF VIRGINIA

EXPIRES ON  
02-28-2014

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

NUMBER  
0411000280

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

PROFESSIONS: LS, ENG

URS CORPORATION  
277 BENDIX RD STE 500  
VIRGINIA BEACH, VA 23452



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

ALTERATION OF THIS DOCUMENT, USE AFTER EXPIRATION, OR USE BY PERSONS OR FIRMS OTHER THAN THOSE NAMED MAY RESULT IN CRIMINAL PROSECUTION UNDER THE CODE OF VIRGINIA.

(SEE REVERSE SIDE FOR NAME AND/OR ADDRESS CHANGE)

(POCKET CARD)

COMMONWEALTH OF VIRGINIA

BOARD FOR AP/LS/CID/LA  
BUSINESS ENTITY BRANCH OFFICE REGISTRATION  
NUMBER: 0411000280 EXPIRES: 02-28-2014  
PROFESSIONS: LS, ENG  
URS CORPORATION  
277 BENDIX RD STE 500  
VIRGINIA BEACH, VA 23452



(DETACH HERE)

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
9960 Mayland Dr., Suite 400, Richmond, VA 23233

fold

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DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
COMMONWEALTH OF VIRGINIA

EXPIRES ON  
02-28-2014

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

NUMBER  
0411000275

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

PROFESSIONS: ENG

URS CORPORATION  
4905 DICKENS RD  
SUITE 201  
RICHMOND VA 23230



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

(SEE REVERSE SIDE FOR NAME AND/OR ADDRESS CHANGE)

(POCKET CARD)

COMMONWEALTH OF VIRGINIA

BOARD FOR APPLICIDLA

BUSINESS ENTITY BRANCH OFFICE REGISTRATION  
NUMBER: 0411000275 EXPIRES: 02-28-2014

PROFESSIONS: ENG  
URS CORPORATION  
4905 DICKENS RD  
SUITE 201  
RICHMOND, VA 23230



(DETACH HERE)

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
9960 Mayland Dr., Suite 400, Richmond, VA 23233

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DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
COMMONWEALTH OF VIRGINIA

EXPIRES ON  
02-28-2014

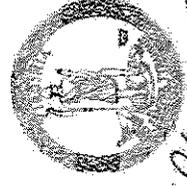
NUMBER  
0411000276

8860 Mayland Dr., Suite 400, Richmond, VA 23238  
Telephone: (804) 367-8500

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

PROFESSIONS: ENG

URS CORPORATION  
11832 ROCK LANDING DR  
STE 306  
NEWPORT NEWS, VA 23606



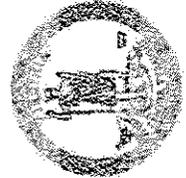
*Gordon N. Dixon*  
Gordon N. Dixon, Director

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(SEE REVERSE SIDE FOR NAME AND/OR ADDRESS CHANGE)

(POCKET CARD)

COMMONWEALTH OF VIRGINIA  
BOARD FOR APPELSCIDLA  
BUSINESS ENTITY BRANCH OFFICE REGISTRATION  
NUMBER: 0411000276 EXPIRES: 02-28-2014  
PROFESSIONS: ENG  
URS CORPORATION  
11832 ROCK LANDING DR  
STE 306  
NEWPORT NEWS, VA 23606



(DETACH HERE)

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
8860 Mayland Dr., Suite 400, Richmond, VA 23238

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

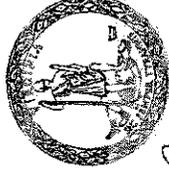
9960 Mayland Dr., Suite 400, Richmond, VA 23233  
Telephone: (804) 387-8500

EXPIRES ON  
09-30-2015

NUMBER  
2705079280

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

JOSEPH B FAY CO  
PO BOX 66  
RUSSELLTON, PA 15076-0066



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

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This is a "printer friendly" page. Please use the "print" option in your browser to print this screen.



**SCC eFile** Virginia State Corporation Commission (SCC)  
FAST. SIMPLE. SECURE. VA SCC Clerk's Office

Confirmation Number: 036053  
Payment Date: Monday, August 26, 2013  
Payment Time: 11:11AM PT

**Payer Information**

Name: DALE O RINGER  
Street Address: 100 SKY LANE  
TARENTUM, PA 15084  
United States  
Daytime Phone Number: (724) 265 - 4600  
E-mail Address: dringer@jbfayco.com  
Transaction Type: Annual Registration Fee  
Name of Filer: Todd Diedrick  
Name of Entity: JOSEPH B. FAY CO.  
SCC ID: F0130486

**Card Information**

Card Type: MasterCard  
Card Number: \*\*\*\*\*7385  
Expiration Date: 06/2014

**Payment Information**

Payment Type: VA SCC Clerk's Office  
Payment Amount: \$130.00  
Convenience Fee: \$3.12  
Total Payment: \$133.12

Thank you for using Official Payments. If you have a question regarding your payment, please call us toll free at 1-866-621-4109. To make payments in the future, please visit our website at [www.officialpayments.com](http://www.officialpayments.com).



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DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION

COMMONWEALTH OF VIRGINIA

9960 Mayland Dr., Suite 400, Richmond, VA 23233  
Telephone: (804) 967-8500

EXPIRES ON  
06-30-2015

NUMBER  
2705029510

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

D T READ STEEL CO INC  
D T READ CONTRACTING INC  
1725 WEST ROAD  
CHESAPEAKE, VA 23923



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

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(SEE REVERSE SIDE FOR NAME AND/OR ADDRESS CHANGE)

COMMONWEALTH OF VIRGINIA  
CLASS A BOARD FOR CONTRACTORS  
CONTRACTOR

\*CLASSIFICATIONS\* BLD H/H HVA  
NUMBER: 2705029510 EXPIRES: 06-30-2015



D T READ STEEL CO INC  
D T READ CONTRACTING INC  
1725 WEST ROAD  
CHESAPEAKE, VA 23923

(DETACH HERE)

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
9960 Mayland Dr., Suite 400, Richmond, VA 23233

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10010 (7/11) 107028-3

# Commonwealth of Virginia



## State Corporation Commission

### CERTIFICATE OF GOOD STANDING

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

That D. T. Read Steel Co., Inc. is duly incorporated under the law of the Commonwealth of Virginia;

That the date of its incorporation is May 31, 1995;

That the period of its duration is perpetual; and

That the corporation is in existence and in good standing in the Commonwealth of Virginia as of the date set forth below.

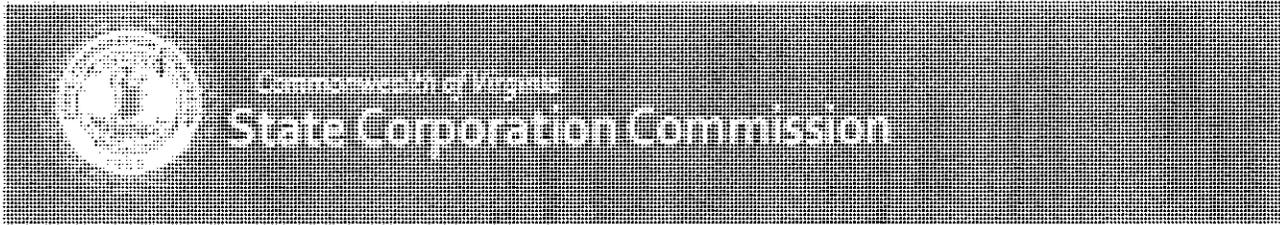
Nothing more is hereby certified.



*Signed and Sealed at Richmond on this Date:  
August 28, 2013*

*Joel H. Peck*

*Joel H. Peck, Clerk of the Commission*



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

(Screen Id:/Corp\_Data\_Inquiry)

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
COMMONWEALTH OF VIRGINIA

EXPIRES ON  
02-28-2014

9960 Mayland Dr., Suite 400, Richmond, VA 23293  
Telephone: (804) 367-8500

NUMBER  
2705102655

BOARD FOR CONTRACTORS  
CLASS A CONTRACTOR  
CLASSIFICATIONS: ELE FAS H/H

BRYANT-RITTER ELECTRIC CORPORATION  
BRYANT RITTER HEWITT  
3935 S MILITARY HWY  
CHESAPEAKE, VA 23321



*Guidon N. Dixon, Director*  
Guidon N. Dixon, Director

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(SEE REVERSE SIDE FOR NAME AND/OR ADDRESS CHANGE)

# Commonwealth of Virginia



## State Corporation Commission

### CERTIFICATE OF GOOD STANDING

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

That BRYANT-RITTER ELECTRIC CORPORATION is duly incorporated under the law of the Commonwealth of Virginia;

That the date of its incorporation is February 16, 2005;

That the period of its duration is perpetual; and

That the corporation is in existence and in good standing in the Commonwealth of Virginia as of the date set forth below.

Nothing more is hereby certified.



*Signed and Sealed at Richmond on this Date:  
December 11, 2012*

*Joel H. Peck*

*Joel H. Peck, Clerk of the Commission*

**Route 35 Bridge Replacement**  
**Letter of Submittal and**  
**Attachments to the Letter of Submittal**



**Lead Contractor**  
**Work History Form**

Attachment 4.2.6(a)

**ATTACHMENT 4.2.6(a)**

**LEAD CONTRACTOR - WORK HISTORY FORM**

**(LIMIT 1 PAGE PER PROJECT)**

<p>a. Project Name &amp; Location</p>	<p>b. Name of the prime design consulting firm responsible for the overall project design.</p>	<p>c. Contact information of the Client or Owner and their Project Manager who can verify Firm's responsibilities.</p>	<p>d. Contract Completion Date (Original)</p>	<p>e. Contract Completion Date (Actual or Estimated)</p>	<p>f. Contract Value (in thousands) Original Contract Value Final or Estimated Contract Value</p>	<p>g. Dollar Value of Work Performed by the Firm identified as the Lead Contractor for this procurement. (in thousands)</p>
<p>Name: <b>Constitution Drive Extension</b> Location: Virginia Beach, VA</p>	<p>Name: <b>URS Corporation</b> 4905 Dickens Road, Suite 106 Richmond, Va. 23230  Attn: Joe Hardee, Jr., P.E.</p>	<p>Name of Client./ Owner: <b>Constitution Drive Developers, LLC and the City of Virginia Beach</b> Phone: (757) 473-8573 Project Manager: Jim Smith Phone: (757) 473-8573 Email: jsmith@hipheat.com</p>	<p>September 2011</p>	<p>August 2011  Finished ahead of Schedule</p>	<p>\$6,700 (Total) \$5,043 (Bridge)</p>	<p>\$6,814 (Total) \$5,157 (Bridge)  Increase due to a change to design of bridge</p>
<p>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.</p>						

This project involved the widening of an existing 2-lane roadway and adding a bridge across wetlands to connect two major roads in Virginia Beach. A new traffic signal was added and extensive modifications and additions to utilities were made. The scope of work included constructing 2,300 LF of 4-lane divided asphalt roadway and a new 330 LF bridge founded on 24" concrete piles, steel girders and a CIP concrete bridge deck constructed across a wetlands area.

Waterfront Marine's work to construct the new bridge was performed from a temporary trestle that was installed from abutment to abutment with fingers perpendicular to the main trestle at each pier. The trestle consisted of driven pipe piles supporting steel cap beams, steel girders, timber decking and safety lines. The trestle was installed starting from one abutment and continuing span by span to the opposite abutment and all bridge construction work was subsequently accessed from the temporary trestle.

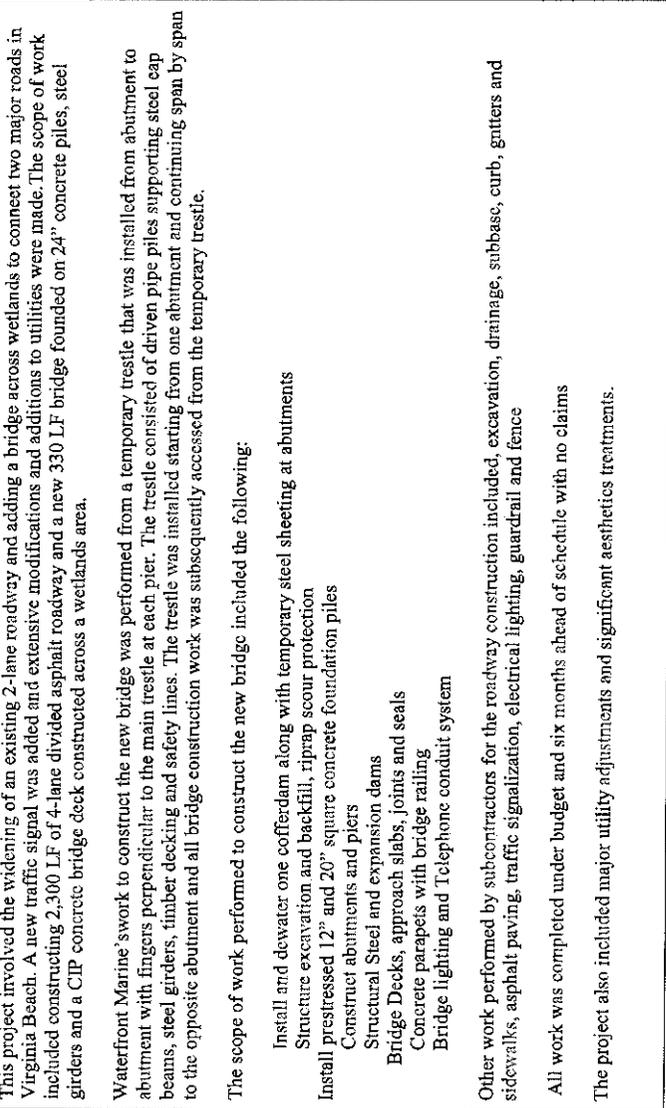
The scope of work performed to construct the new bridge included the following:

- Install and dewater one cofferdam along with temporary steel sheeting at abutments
- Structure excavation and backfill, riprap scour protection
- Install prestressed 12" and 20" square concrete foundation piles
- Construct abutments and piers
- Structural Steel and expansion dams
- Bridge Decks, approach slabs, joints and seals
- Concrete parapets with bridge railing
- Bridge lighting and Telephone conduit system

Other work performed by subcontractors for the roadway construction included, excavation, drainage, subbase, curb, gutters and sidewalks, asphalt paving, traffic signalization, electrical lighting, guardrail and fence

All work was completed under budget and six months ahead of schedule with no claims

The project also included major utility adjustments and significant aesthetics treatments.



**ATTACHMENT 4.2.6(a)**

**LEAD CONTRACTOR - WORK HISTORY FORM**

**LIMIT 1 PAGE PER PROJECT**

<p>a. Project Name &amp; Location</p> <p><b>Name: I-264/London Bridge Interchange</b>                  Location: Virginia Beach, VA</p>	<p>b. Name of the prime design consulting firm responsible for the overall project design.</p> <p>Name: Clark Nexsen</p>	<p>c. Contact information of the Client or Owner and their Project Manager who can verify Firm's responsibilities.</p> <p>Name of Client/ Owner: Virginia Department of Transportation                  Phone: (757) 455-580                  Project Manager: Paul Moose                  Phone: (757) 455-580                  Email:</p>	<p>d. Contract Completion Date (Original)</p> <p>November 2012</p>	<p>e. Contract Completion Date (Actual or Estimated)</p> <p>February 2012                  6 Months ahead of schedule</p>	<p>f. Contract Value</p> <p>Original Contract Value                  \$9,388 (Total)                  \$5,091 (Bridge &amp; Walls)</p>	<p>g. Dollar Value of Work Performed by the Firm identified as the Lead Contractor for this procurement. (in thousands)</p> <p>\$9,368 (Total)                  \$5,091 (Bridge &amp; Walls)</p>
---	--	---	--	---	--	--

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

The London Bridge Interchange Project involved the construction of new entrance/ exit ramps off of I-264 at London Bridge Road in Virginia Beach.

Waterfront Marine's project scope included the installation of 4450 cy of CIP concrete retaining walls to allow for the widening of the Interstate Highway, a Soil Nail wall, new traffic signals and the widening of an existing bridge over a tributary to the Lynnhaven River.

The scope of work included to construct the bridge and retaining wall structures included the following:

- Bridge and structure demolition
- Structure excavation and backfill
- Install and dewater 2 steel sheet pile cofferdams
- Install pre-stressed 12" square concrete foundation piles
- Construct abutments and piers
- Structural steel
- Bridge deck construction
- Concrete parapets
- Approach slabs
- Joints and seals

Other work performed by subcontractors for the roadway construction included installing and maintaining erosion controls, clearing and grubbing, excavation, drainage, sub base, curb & gutters, asphalt paving, traffic signalization, electrical lighting, guardrail and fencing.

All work was completed under budget and six months ahead of schedule, with no claims.



**ATTACHMENT 4-2.6(a)**

**LEAD CONTRACTOR - WORK HISTORY FORM**

**(LIMIT 1 PAGE PER PROJECT)**

<p>a. Project Name &amp; Location</p> <p>Name: <b>VDOT - J62 Pembroke Avenue Bridge</b> Location: <b>Hampton, VA</b></p>	<p>b. Name of the prime design consulting firm responsible for the overall project design.</p> <p>Name: <b>Virginia Department of Transportation</b></p>	<p>c. Contact information of the Client or Owner and their Project Manager who can verify Firm's responsibilities.</p> <p>Name of Client / Owner: <b>VDOT</b> Phone: <b>(757) 253-4832</b> Project Manager: <b>S. F. Durr</b> Phone: <b>(757) 253-4832</b> Email:</p>	<p>d. Contract Completion Date (Original)</p> <p><b>June 2002</b></p>	<p>e. Contract Completion Date (Actual or Estimated)</p> <p><b>September 2002</b></p>	<p>f. Contract Value (in thousands)</p> <table border="1"> <tr> <td>Original Contract Value</td> <td><b>\$5,707 (Total) \$5,025 (Bridge)</b></td> </tr> <tr> <td>Final or Estimated Contract Value</td> <td><b>\$7,402 (Total) \$6,115 (Bridge)</b></td> </tr> </table>	Original Contract Value	<b>\$5,707 (Total) \$5,025 (Bridge)</b>	Final or Estimated Contract Value	<b>\$7,402 (Total) \$6,115 (Bridge)</b>	<p>g. Dollar Value of Work Performed by the Firm identified as the Lead Contractor for this procurement (in thousands)</p> <p><b>\$7,402 (Total) \$6,115 (Bridge)</b></p>
Original Contract Value	<b>\$5,707 (Total) \$5,025 (Bridge)</b>									
Final or Estimated Contract Value	<b>\$7,402 (Total) \$6,115 (Bridge)</b>									

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

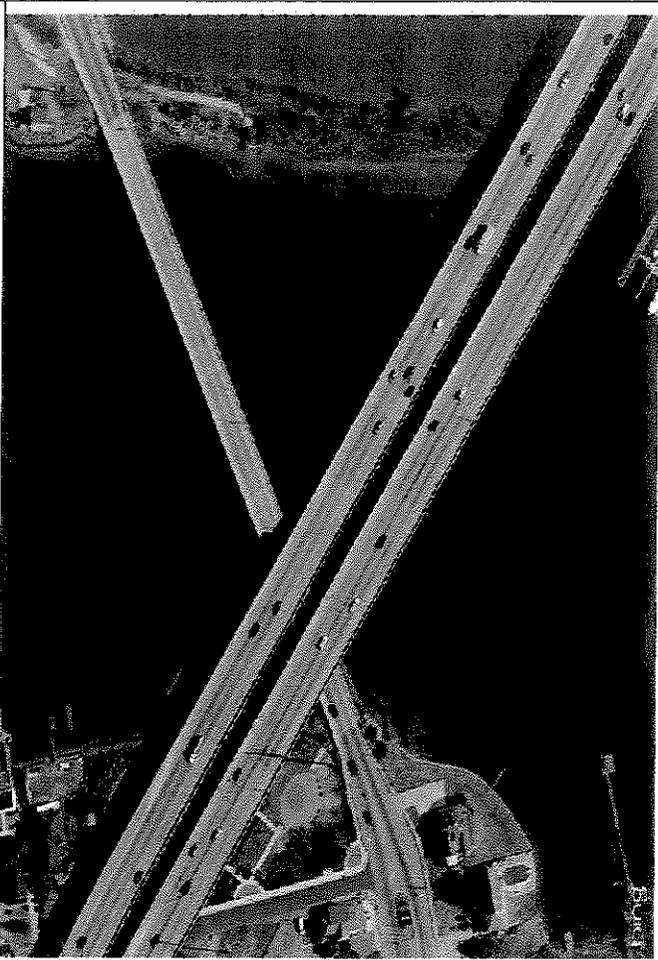
This project consisted of the complete demolition and replacement of a 1,400 foot long concrete bridge over the Hampton River (and partially under Interstate Rte 64) and rebuilding the two lane approach roadways. The project included driving 12" and 24" concrete piles, CIP reinforced concrete substructure, concrete and steel plate girders with a CIP reinforced concrete bridge deck. Additional work to reconstruct the approach roadway included 1,300 feet of waterline, 850 feet of sewer main, roadway lighting, 1,200 feet of storm drain and 1,100 tons of rip rap.

Waterfront Marine's work to construct the new bridge was accessed from a temporary trestle that was installed perpendicular to the new bridge underneath I-64. The trestle consisted of driven pipe piles supporting steel cap beams, steel girders, timber decking and safety lines.

The details of the scope of work performed to construct the new bridge included the following:

- Demolish the existing bridge structure
- Install and dewater four cofferdams along with temporary steel sheeting at abutments
- Structure excavation and backfill, riprap scour protection
- Install 12" and 24" prestressed concrete foundation piles
- Construct abutments and piers
- Erect Structural Steel and expansion dams
- CIP Concrete Bridge Decks, approach slabs, joints and seals
- Concrete parapets with bridge railing
- Bridge lighting and Telephone conduit system

Other work performed by subcontractors for the roadway construction included, excavation, drainage, subbase, curb, gutters and sidewalks, asphalt paving, traffic signalization, electrical lighting, guardrail and fence.



**Route 35 Bridge Replacement**  
Letter of Submittal and  
Attachments to the Letter of Submittal



**Lead Designer Work  
History Form**

Attachment 4.2.6(b)

Submitted by Waterfront Marine Construction, Inc - September 5, 2013

**ATTACHMENT 4.2.6(b)**

**LEAD DESIGNER - WORK HISTORY FORM**

**(LIMIT 1 PAGE PER PROJECT)**

<p>a. Project Name &amp; Location  Name: I-95 over James River &amp; Ramp E&amp;F Location: Richmond, VA</p>	<p>b. Name of the prime/ general contractor responsible for overall construction of the project.  Name: Archer Western Contractors, Ltd.</p>	<p>c. Contact information of the Client and their Project Manager who can verify Firm's responsibilities.  Name of Client: VDOT Phone: Project Manager: Andy Zickler Phone: 804.371.2776 Email: Andy.zickler@vdot.virginia.gov</p>	<p>d. Construction Contract Completion Date (Original)</p> <p>9/2002</p>	<p>e. Construction Contract Completion Date (Actual or Estimated)</p> <p>8/2002</p>	<p>f. Contract Value (in thousands) Construction Contract Value (Original)</p> <p>\$43,355 (approx. cost \$37,924)</p>	<p>g. Design Fee for the Work Performed by the Firm identified as the Lead Designer for this procurement. (in thousands)</p> <p>\$1,505</p>
--	--	--	--	---	--	---

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.

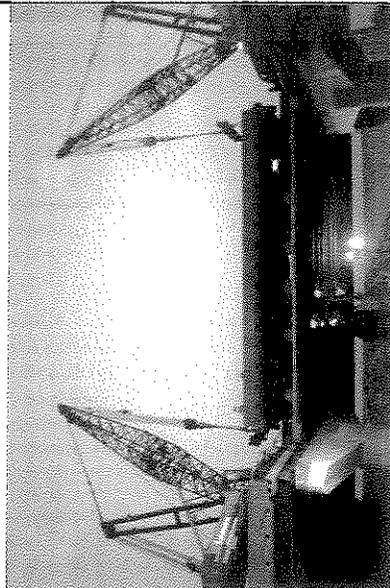
URS provided engineering services for the replacement/rehabilitation of the superstructure for the James River Bridge and a smaller ramp bridge at the northern approach to the river. The James River Bridge is a 4,300-foot long structure that carries about 120,000 vehicles per day and is located in close proximity to the central business district of the City of Richmond and the center of government for the state. The structure was constructed in 1958 and has 100 spans, half being over the James River and the balance over developed properties, city streets, and parking lots.

In the preliminary plan development process, URS performed field reconnaissance and inspections; developed eleven rehabilitation alternatives; identified other roadway improvements to minimize traffic impacts during construction; and worked with our subconsultant in an extensive public outreach program. The eleven rehabilitation alternatives were evaluated using a Kepner-Tregoe decision making matrix. A report summarizing the different rehabilitation alternatives, the evaluation process, and estimated cost was developed and presented to VDOT with recommendations. Once the recommended alternative was approved, URS developed construction plans for the replacement of the superstructure in the rolled beam spans and the replacement of the bridge deck in the riveted girder and truss spans. Additional items included were seismic retrofit design; plans for the replacement of the cathodic protection system; plans for high mast lighting on the approaches and conventional lighting on the bridge; and final construction plans, specifications, quantities, and cost estimates. We accelerated the plan submission schedule by 60 days to meet VDOT requests to advertise the project in the concurrent fiscal year.

The selected construction alternative required that the superstructure/deck be replaced between 7:00 PM and 6:00 AM, Sunday through Thursday, with full roadway capacity available at all other times. The majority of the superstructure of the James River Bridge and the northern approach structure was replaced using preconstructed composite units (PCUs). The deck in the remaining spans of the James River Bridge was replaced using prefabricated concrete filled steel grid sections. The contractor performed inspection, pier cap strengthening, and bearing rehabilitation prior to replacement without interfering with traffic flow on the structure

A PCU is a longitudinal bridge section made up of the supporting girders and the deck. Once placed, these bridge sections were transversely post-tensioned together to form a continuous deck.

The URS Richmond office was responsible for overall project management and bridge superstructure design with the exception of the steel grid sections which were designed in our Hunt Valley, MD office.



**ATTACHMENT 4.2.6(b)**

**LEAD DESIGNER - WORK HISTORY FORM**

**(LIMIT 1 PAGE PER PROJECT)**

<p>a. Project Name &amp; Location</p>	<p>b. Name of the prime/ general contractor responsible for overall construction of the project.</p>	<p>c. Contract information of the Client and their Project Manager who can verify Firm's responsibilities.</p>	<p>d. Construction Contract Completion Date (Original)</p>	<p>e. Construction Contract Completion Date (Actual or Estimated)</p>	<p>f. Contract Value (in thousands) Construction Contract Value (Original)</p>	<p>g. Design Fee for the Work Performed by the Firm identified as the Lead Designer for this procurement.(in thousands)</p>
<p>Name: I-4 Bridge Replacement Location: Sanford, Florida</p>	<p>Name: Granite Construction Company and PCL Civil Constructors</p>	<p>Name of Client: Florida DOT Phone: Project Manager: Amy Scales Phone: 386.943.5729 Email: Amy.Scales@dot.state.fl.us</p>	<p>November 2004</p>	<p>November 2004</p>	<p>\$101,930 Approximate River Bridge Cost \$25</p>	<p>\$5,546</p>

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.

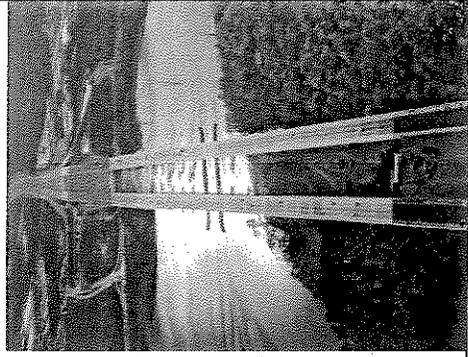
**Project Description** . URS served as lead design firm with Granite Construction Company and PCL Civil Constructors, Inc. as the Joint-Venture partners leading this design/build contract. The project was to widen I-4 from 4 lanes to 6 lanes for a length of approx. 6.7 miles. The work included replacing the existing I-4 bridge over the St. Johns River and the existing bridge over Orange Boulevard/CSX Railroad. The work also included partial reconstruction of the Orange Boulevard/US 17-92 Interchange, widening of the existing bridges at Padgett Creek and Dirksen/DeBary Road, replacing the Enterprise Road Bridge, constructing the associated drainage facilities, intelligent transportation systems and other miscellaneous items. The overall length of the river crossing was 2,566 feet. There were a total of nine piers located in the river for each of the parallel structures. The vertical clearance over the channel is 45 feet.

**Foundation Design.** The foundation designs had to cope with relatively severe hydraulic scour events, vessel collision loadings, permit restrictions, and an archeological site on one end of the project. The soil profiles showed a moderately dense sandstone layer which was capable of providing substantial bearing capacities for 24 inch precast, prestressed concrete piles. This piling type also has the advantage of being able to form a direct moment connection to the footing caps with proper embedment and this feature aided in an overall reduction in pile quantities. Non-linear analyses of the foundation ,considering the full non-linear aspects of soil structure interaction ,were used to further optimize the foundation and substructure elements.

**Superstructure Design.** The focus of the superstructure design was to optimize the system to derive the least total costs for both the superstructure and substructure

units combined. This meant selecting the number of girder lines and span lengths so as to minimize cost. Cost curves were developed for both superstructure and substructures and these were added together to show the optimum solution in terms of cost versus span length. The winning design/build proposal used a slightly shorter span length than the competitor's design which resulted in two additional substructure/ pier elements; however, the shorter span length also resulted in the elimination of one girder line over the full length of the bridge and a lower overall project cost. This proved to be a significant factor in the design/build team's winning proposal. The superstructure was made up of 78 inch prestressed concrete bulb-tees.

**Construction Phase.** Similar to all design/build projects, the construction starts from the ground up while the design is focused from the top down. Within 4 months after the bid award, piles were being driven while the rest of the design details were being finalized. The construction was fairly typical of waterway construction with barge-mounted cranes. Material deliveries (piles and girders) were made via land and transferred to barges as necessary. The Contractor was also able to construct temporary causeways to facilitate construction on land and in shallow water. The river bridge was able to be meet all major project milestones and be opened ahead of schedule.



**ATTACHMENT 4.2.6(b)**

**LEAD DESIGNER - WORK HISTORY FORM**

**(LIMIT 1 PAGE PER PROJECT)**

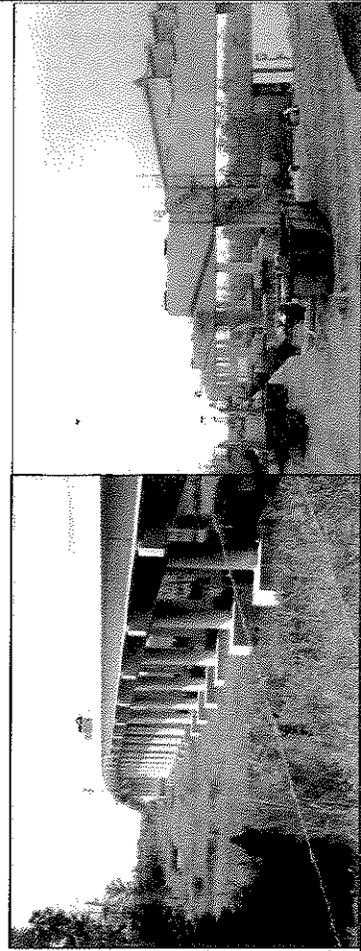
<p>a. Project Name &amp; Location</p>	<p>b. Name of the prime/ general contractor responsible for overall construction of the project.</p>	<p>c. Contact information of the Client and their Project Manager who can verify Firm's responsibilities.</p>	<p>d. Construction Contract Completion Date (Original)</p>	<p>e. Construction Contract Completion Date (Actual or Estimated)</p>	<p>f. Contract Value (in thousands) Construction Contract Value (Original)</p>	<p>g. Design Fee for the Work Performed by the Firm identified as the Lead Designer for this procurement. (in thousands)</p>
<p>Name: Wilmington Bypass Location: New Hanover County, NC</p>	<p>Name: GLF Construction Corporation</p>	<p>Name of Client: NCDOT Phone: Project Manager: Greg Perfetti, PE Phone: 919-707-6400 Email: gperfetti@ncdot.gov</p>	<p>June 2006</p>	<p>June 2006</p>	<p>\$128,000</p>	<p>\$1,866</p>

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.

The Wilmington Bypass is a 7.8-mile, multi-lane freeway bypassing the City of Wilmington. The project involved the preparation of an Environmental Impact Statement, corridor location and analysis, preliminary design, final design and construction documents. The project included the design of two interchanges and a 7,400-foot long bridge over the Northeast Cape Fear River and its adjacent riverine and palustrine wetlands. The following are key project elements:

- Final design of a four-lane freeway on new location, including two interchanges.
- Final design of nine two-lane roads, for a total length of 13,750 feet, to provide access to properties, including undeveloped parcels, residential neighborhoods, and commercial properties with heavy truck volumes.
- Final design of 5,800 feet of roadway widening from two to five lanes.
- Traffic control and pavement marking plans, including an on-site temporary detour.
- **Bridge Type Study and final design of a 7,400-foot-long bridge over the Northeast Cape Fear River and adjacent wetlands.**
- Structure Recommendations for six bridge locations including a CSXT Railroad grade-separation.
- Hydraulic design of roadway drainage systems as well as a river channel migration study and scour analysis of the North East Cape Fear River.
- Utility conflict resolution.
- Final noise analysis and location of a noise wall to mitigate impacts to residential areas.
- Traffic capacity analyses for the entire project and queuing analysis of a lift-span bridge.

- Draft and Final Environmental Impact Statements and extensive public involvement programs.
- Wetland permit drawings including over 90 drawings detailing the temporary and final impacts to wetlands, construction methodology, and a computation of impacts.
- Technical memoranda addressing: environmental justice, traffic capacity analyses, natural resources, cultural resources, water resources, air quality, and noise.
- Overall project management of surveys, roadway design, structure design, hydraulic design, traffic control design, and wetland and water quality permitting.
- Construction Engineering and Inspection support services for 7,400-foot long bridge including shop drawing reviews.
- The design of the river bridge was performed in URS' Raleigh Office with assistance from the Richmond, Virginia Office. The Richmond Office designed the piers for the approach spans.



**Route 35 Bridge Replacement**  
**Letter of Submittal and**  
**Attachments to the Letter of Submittal**



**Conceptual Roadway Plans**

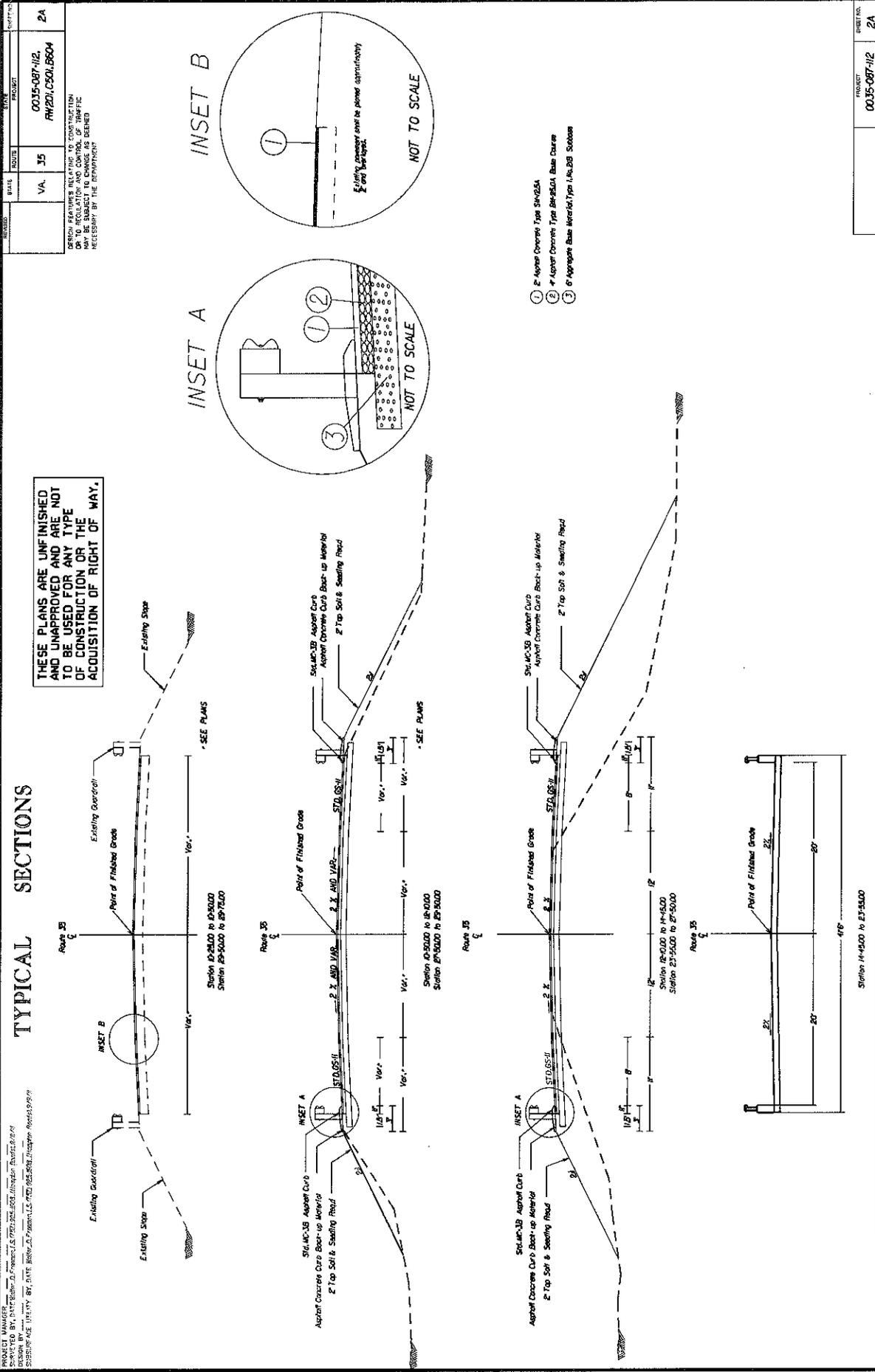
Attachment 4.2.7

Submitted by Waterfront Marine Construction, Inc - September 5, 2013



# 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.



- ① 2" Aggregate Concrete Type SMA 10C/3B
- ② Asphalt Concrete Type SMA 10C/3B Base Course
- ③ 2" Aggregate Base Material Type SMA 10C/3B Subbase





PLAN 35 PROPOSED RELOCATION  
 SHEET NO. 4

DATE: 11/17/25  
 DRAWN BY: J. J. BROWN  
 CHECKED BY: J. J. BROWN  
 SURVEYED BY: J. J. BROWN  
 SUBSURFACE UTILITIES BY: J. J. BROWN

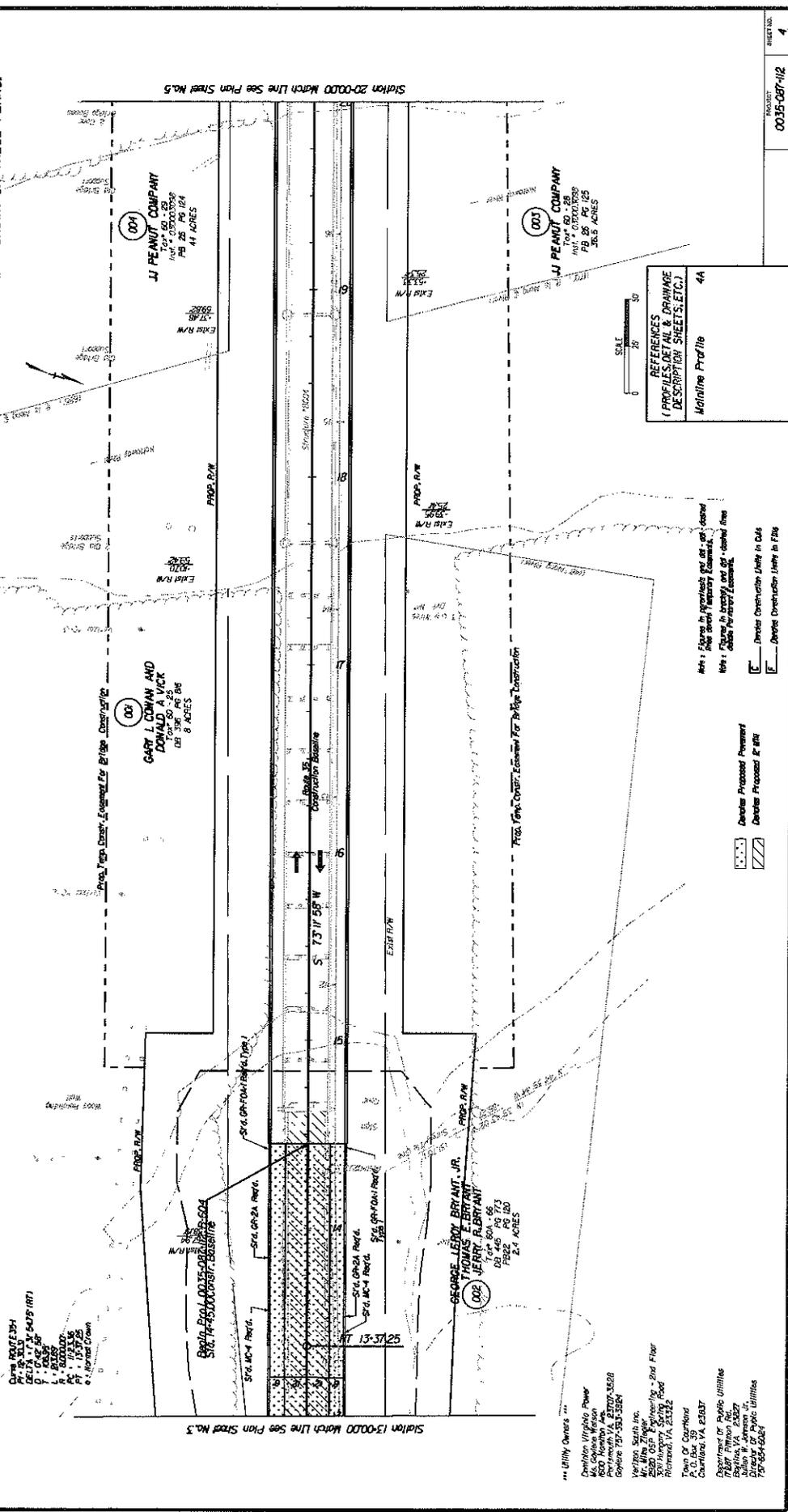
SECTION 13-0000 MATCH LINE SEE PLAN SHEET NO. 3  
 SECTION 20-0000 MATCH LINE SEE PLAN SHEET NO. 5

VA. 35  
 0035-0018 (REV. 11/17/25)  
 PROJECT: 0035-0018 (REV. 11/17/25)

4

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

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



SCALE: 1" = 20'  
 REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)  
 Hydraulic Profile 41A

Note: Easement in perpetuity for all utility lines shown.  
 Note: Figures in parenthesis and all vertical lines indicate proposed easements.  
 Legend:  
 --- Dashed Construction Limits in Data  
 --- Dashed Construction Limits in File

DATE: 11/17/25  
 DRAWN BY: J. J. BROWN  
 CHECKED BY: J. J. BROWN  
 SURVEYED BY: J. J. BROWN  
 SUBSURFACE UTILITIES BY: J. J. BROWN

0035-0018 (REV. 11/17/25)  
 PROJECT: 0035-0018 (REV. 11/17/25)  
 SHEET NO. 4

60	55	50	45	40	35	30	25	20	15	10
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SECTION 100 - GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE VIRGINIA MANUAL OF CONSTRUCTION PRACTICES AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION OF PUBLIC WORKS, LATEST EDITION.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

3. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AND UTILITIES AT ALL TIMES.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES AND STRUCTURES.

5. THE CONTRACTOR SHALL MAINTAIN ADEQUATE DRAINAGE AND EROSION CONTROL MEASURES THROUGHOUT THE PROJECT.

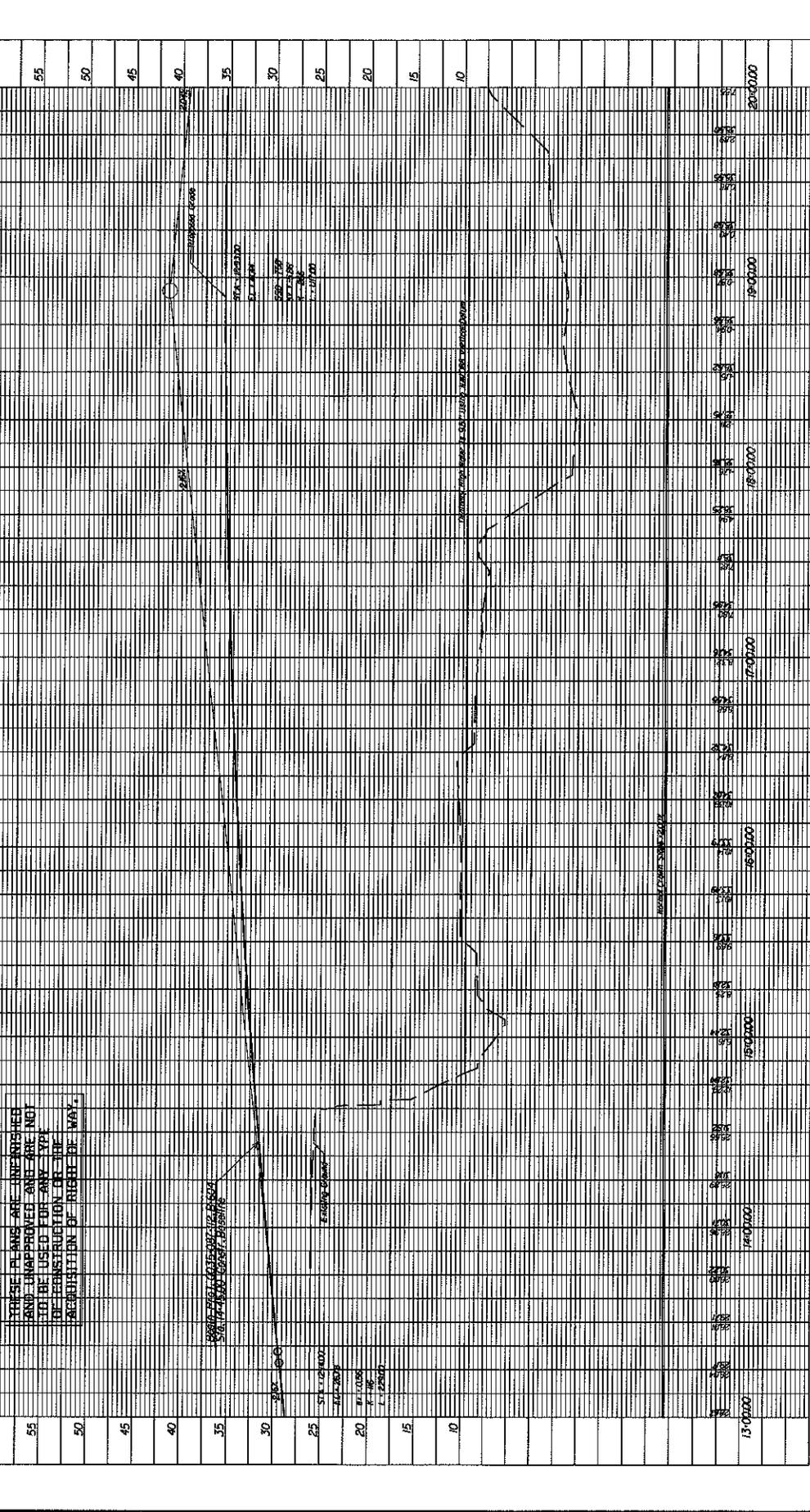
6. THE CONTRACTOR SHALL MAINTAIN ADEQUATE ACCESS TO ALL ADJACENT PROPERTIES AND UTILITIES AT ALL TIMES.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

8. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AND UTILITIES AT ALL TIMES.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES AND STRUCTURES.

10. THE CONTRACTOR SHALL MAINTAIN ADEQUATE DRAINAGE AND EROSION CONTROL MEASURES THROUGHOUT THE PROJECT.



13+00.00	14+00.00	15+00.00	16+00.00	17+00.00	18+00.00	19+00.00	20+00.00
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DATE: 11/15/2015 10:45:00 AM

44700

41000

42700

43700

44700

45700

THIS DRAWING IS THE PROPERTY OF THE STATE OF VIRGINIA. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM THE STATE OF VIRGINIA. ANY UNAUTHORIZED REPRODUCTION OR TRANSMISSION IS STRICTLY PROHIBITED AND WILL BE PROSECUTED TO THE FULL EXTENT OF THE LAW.

ROUTE 35

STATE PROJECT  
VA 035  
AP 035-087-112  
6A

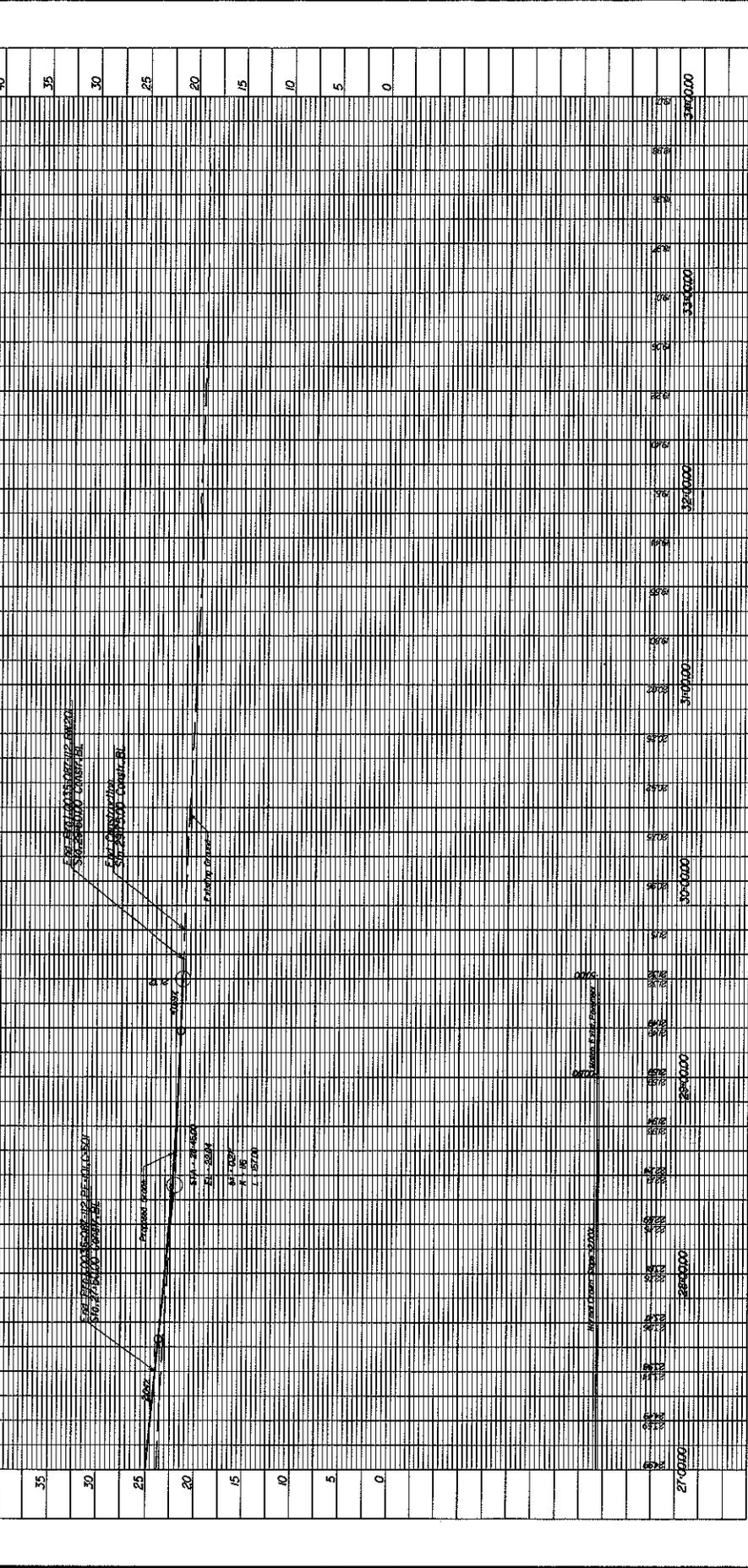
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT-OF-WAY.

FOR THE 2015-2016 FISCAL YEAR  
FOR THE 2015-2016 FISCAL YEAR  
FOR THE 2015-2016 FISCAL YEAR

FOR THE 2015-2016 FISCAL YEAR  
FOR THE 2015-2016 FISCAL YEAR  
FOR THE 2015-2016 FISCAL YEAR

FOR THE 2015-2016 FISCAL YEAR  
FOR THE 2015-2016 FISCAL YEAR  
FOR THE 2015-2016 FISCAL YEAR

FOR THE 2015-2016 FISCAL YEAR  
FOR THE 2015-2016 FISCAL YEAR  
FOR THE 2015-2016 FISCAL YEAR



STATE PROJECT  
VA 035  
AP 035-087-112  
6A

FOR THE 2015-2016 FISCAL YEAR  
FOR THE 2015-2016 FISCAL YEAR  
FOR THE 2015-2016 FISCAL YEAR

FOR THE 2015-2016 FISCAL YEAR  
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FOR THE 2015-2016 FISCAL YEAR

FOR THE 2015-2016 FISCAL YEAR  
FOR THE 2015-2016 FISCAL YEAR  
FOR THE 2015-2016 FISCAL YEAR



NO.	DATE	DESCRIPTION
1	03/25/03	ISSUED FOR PERMITS
2	03/25/03	ISSUED FOR CONSTRUCTION
3	03/25/03	ISSUED FOR RECORDS

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.

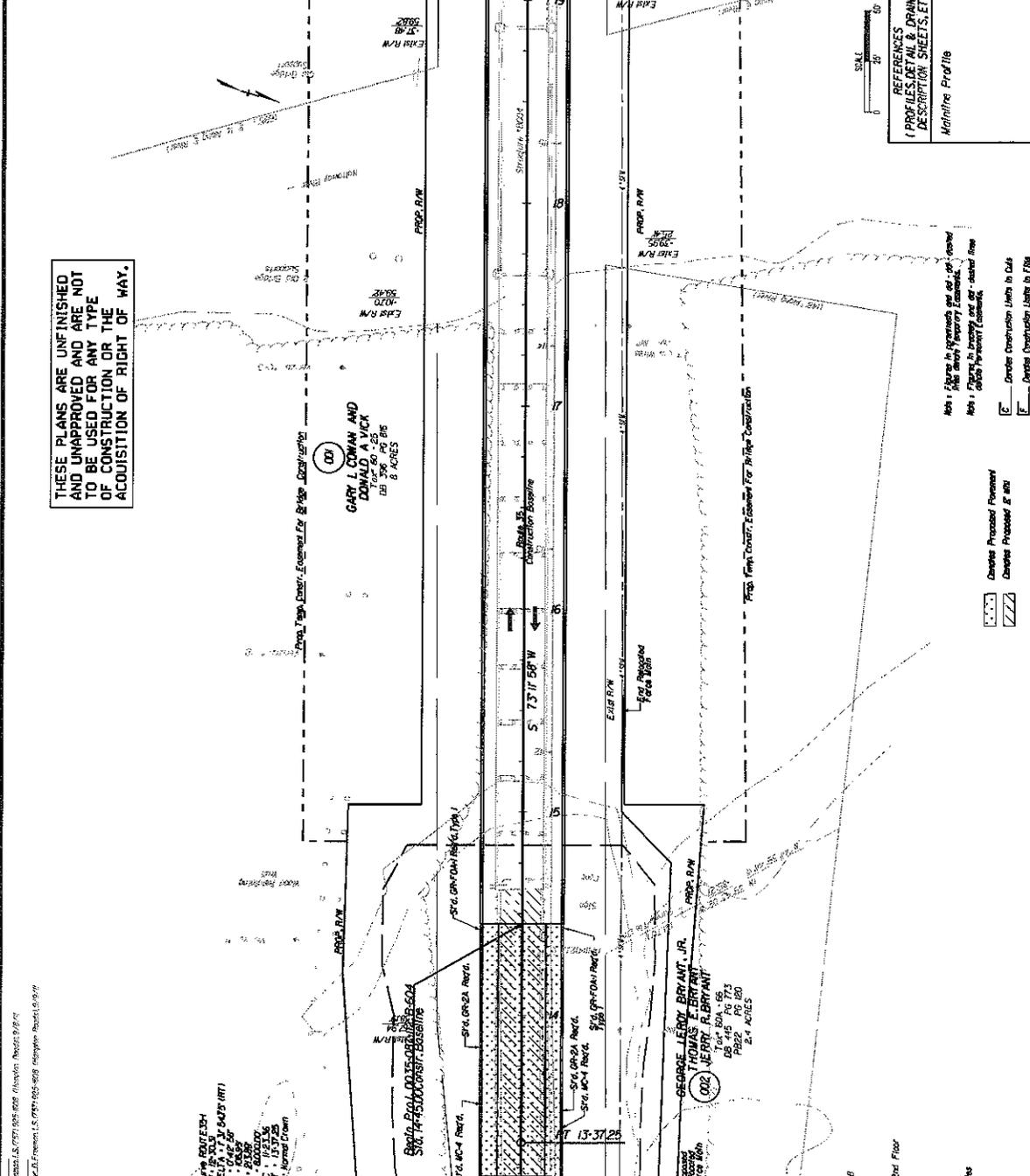
NOTICE: ANY CHANGES TO THESE PLANS OR TO REGULATIONS AND ORDINANCES OF THE CITY OF CHARLOTTE, NORTH CAROLINA, MUST BE APPROVED BY THE CITY ENGINEER AND THE CITY COMMISSIONER OF PUBLIC WORKS.

**GARY L. LOMAH AND DONALD A. WICK**  
 Tax # 80-25  
 PB 26 PG 86  
 8 ACRES

**JJ PEANUT COMPANY**  
 Tax # 00-208  
 PB 26 PG 104  
 44 ACRES

**GEORGE LEROY BRYANT, JR. THOMAS E. BRYANT JERRY B. BRYANT**  
 Tax # 80-168  
 PB 26 PG 101  
 2.4 ACRES

**JJ PEANUT COMPANY**  
 Tax # 00-208  
 PB 26 PG 104  
 44 ACRES



REFERENCES (PROF. PLANS, SURVEY DATA, DESCRIPTION SHEETS, ETC.)  
 Mainline Profile 4A

Notes:  
 1. Figures in parentheses are not to scale.  
 2. Figures in brackets are not to scale.  
 3. Dimensions shown in feet in this plan are approximate.

Legend:  
 --- Proposed Easement  
 --- Proposed Right of Way

Utility Owners:  
 Dominion Virginia Power  
 4000 Dominion Drive  
 Richmond, VA 23261-3428  
 Telephone: 757-581-5324

Veritas South Inc.  
 10000 South Blvd.  
 Richmond, VA 23237

Team of Consultant:  
 17000 Main St.  
 Arlington, VA 22204





**Route 35 Bridge Replacement**  
**Letter of Submittal and**  
**Attachments to the Letter of Submittal**



**Conceptual Bridge Plans**

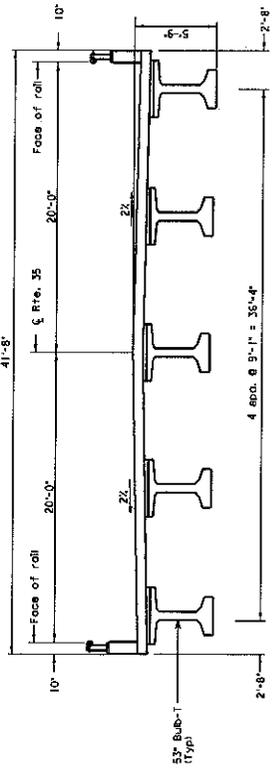
Attachment 4.2.8

STATE	FEDERAL AID	PROJECT	ROUTE	SHEET
VA.			12	1
PROJECT NO.	PROJECT NAME	PROJECT LOCATION	PROJECT DATE	PROJECT DRAWN BY
0035-087-112	PROPOSED BRIDGE ON	RTE. 35 OVER NOTTOWAY RIVER	1964	...
PROJECT NO.	PROJECT NAME	PROJECT LOCATION	PROJECT DATE	PROJECT DRAWN BY
0035-087-112	PROPOSED BRIDGE ON	RTE. 35 OVER NOTTOWAY RIVER	1964	...
PROJECT NO.	PROJECT NAME	PROJECT LOCATION	PROJECT DATE	PROJECT DRAWN BY
0035-087-112	PROPOSED BRIDGE ON	RTE. 35 OVER NOTTOWAY RIVER	1964	...

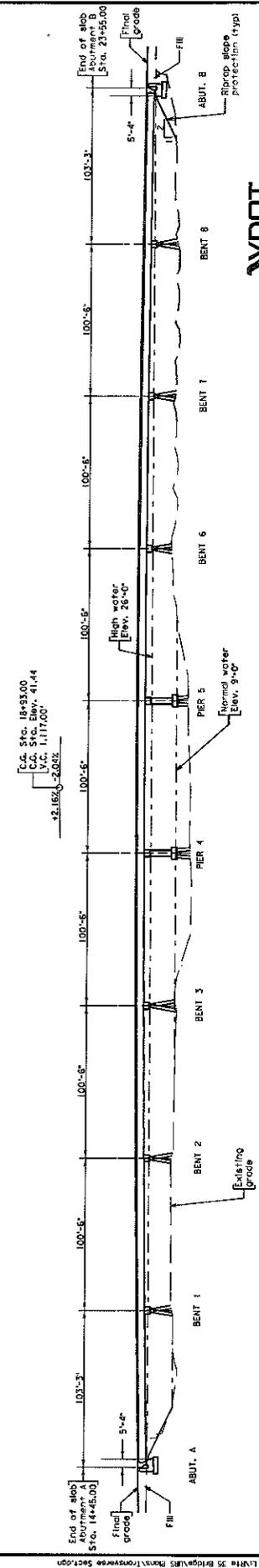
**DESIGN EXCEPTIONS:**

**GENERAL NOTES:**

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



**TRANSVERSE SECTION**  
Scale: 1" = 1/4"



**DEVELOPED SECTION ALONG E-C**  
Scale: 1" = 1/32"



**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: \_\_\_\_\_ Date \_\_\_\_\_  
 State Structure and Bridge Engineer

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

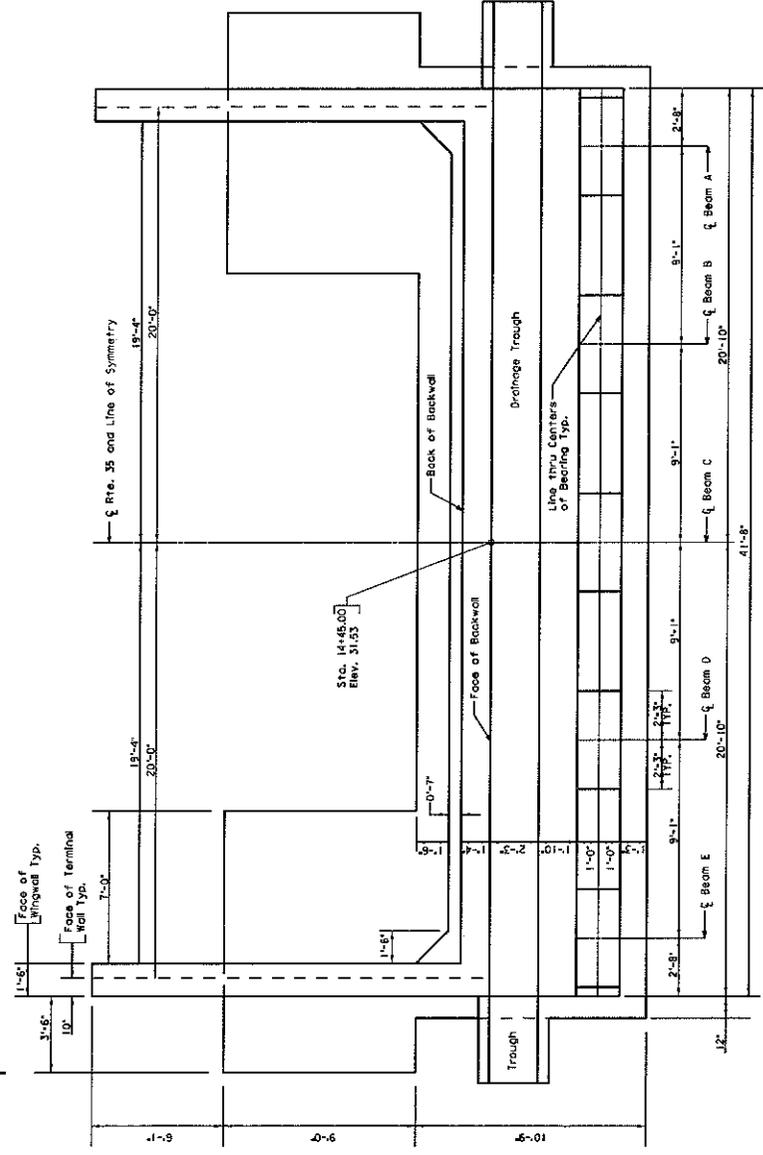
DATE: \_\_\_\_\_ SHEET: 1 of 1

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

DESIGNED BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE
CONSULTANT	
STATE	
CITY	
ADDRESS	
PHONE	
TELETYPE	
FAX	
E-MAIL	

FEDERAL #3	STATE	SHEET
ROUTE 36	PROJECT	NO.
3	003-03-115_B504	

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



PLAN

SCALE: 3/8" = 1'-0"

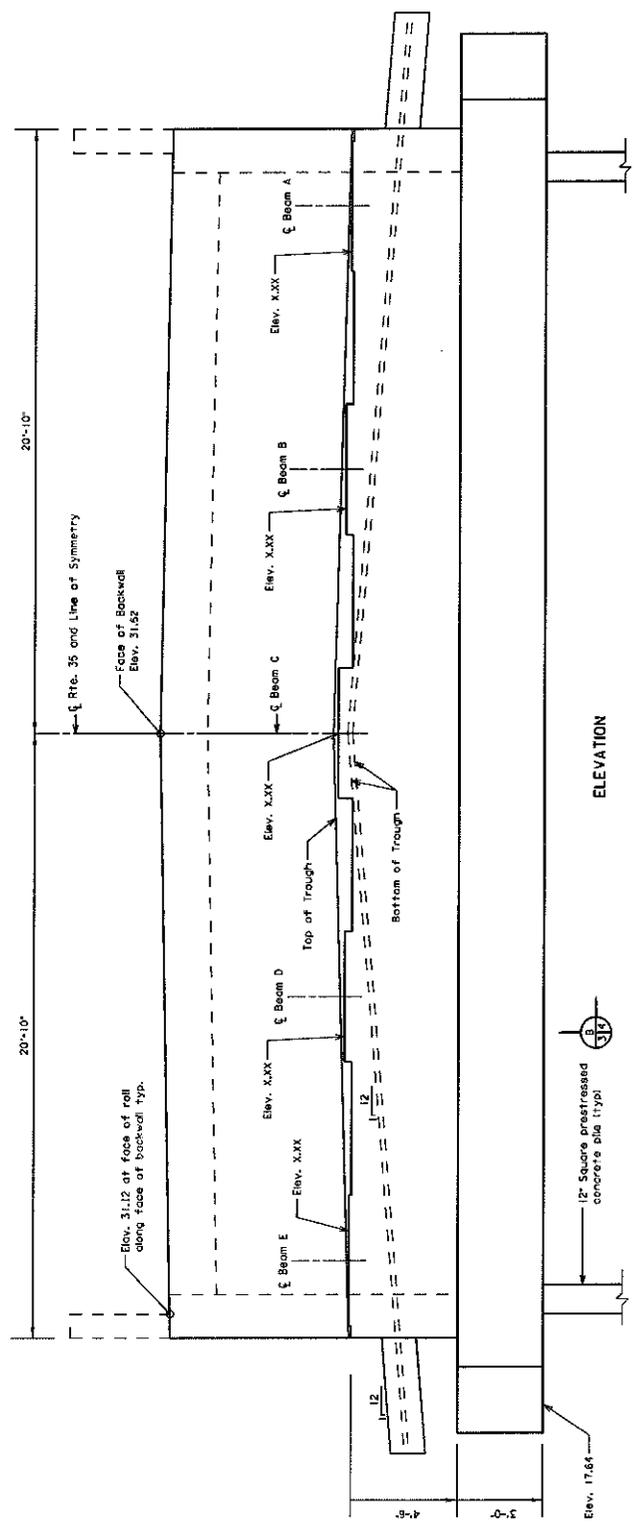
© 2005, Commonwealth of Virginia

COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION STRUCTURE AND BRIDGE DIVISION	
ABUTMENT A PLAN VIEW	
No.	Description
1	Sheet No. 115_B504
2	Date: Sep. 7, 2013
3	Sheet No. 115_B504
4	Sheet No. 115_B504
5	Sheet No. 115_B504
6	Sheet No. 115_B504
7	Sheet No. 115_B504
8	Sheet No. 115_B504
9	Sheet No. 115_B504
10	Sheet No. 115_B504

DATE: 09/07/13  
DRAWN BY: [Name]  
CHECKED BY: [Name]  
DESIGNED BY: [Name]  
STRUCTURAL ENGINEER

FEDERAL AID	STATE PROJECT	SHEET NO.
REGIONAL ROUTE	PROJECT	
3	20	0015-087412-B004

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



ELEVATION

NO.	DESCRIPTION	DATE	BY	CHECKED

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
STRUCTURE AND BRIDGE DIVISION

ABUTMENT A

PROJECT NO.	3
DATE	Sept. 2013

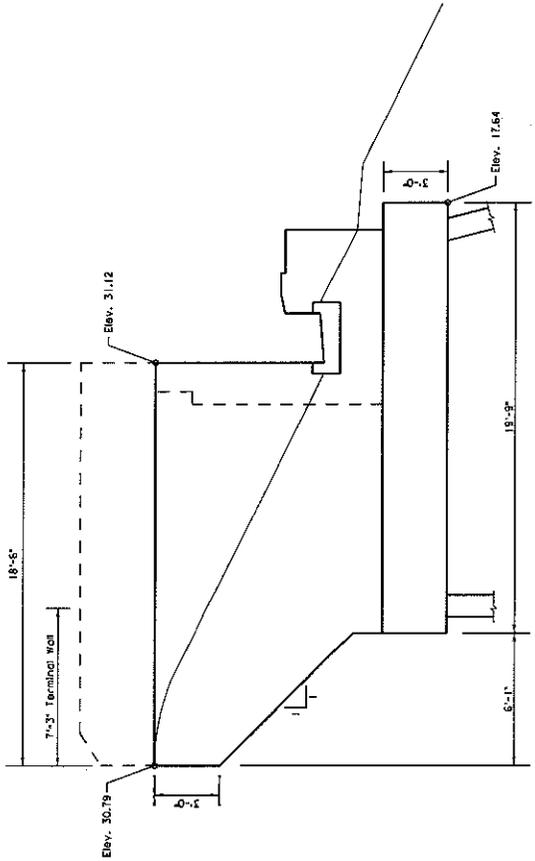
SCALE: 1/2" = 1'-0"  
©2008 Commonwealth of Virginia

LIST OF PROFESSIONAL ENGINEERS



STATE REGION	GENERAL PROJECT	ROUTE	PROJECT	SHEET NO.
3	VA	36	003B-0217-112, 862A	

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



VIEW A  
2/3

SCALE: 3/8" = 1'-0"

©2008 Commonwealth of Virginia

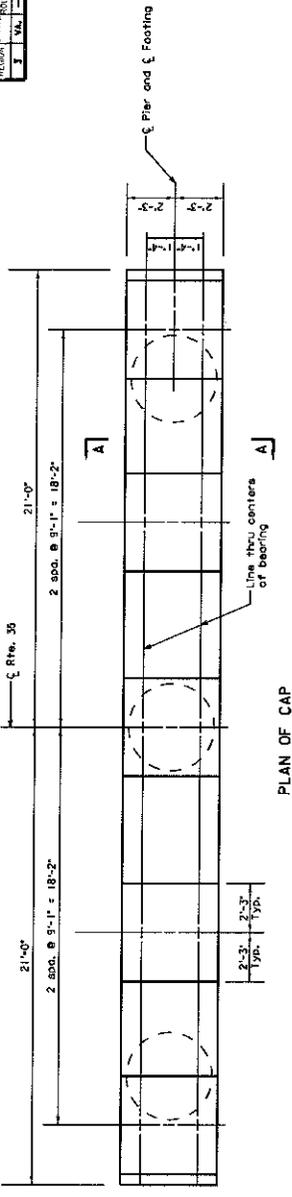
COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION STRUCTURE AND BRIDGE DIVISION	
ABUTMENT A WINGWALL DETAIL	
Revised By	Date
Checked	Date
Project No.	Sheet No.
501-2013	5

REGISTERED PROFESSIONAL ENGINEER  
ROANOKE, VA

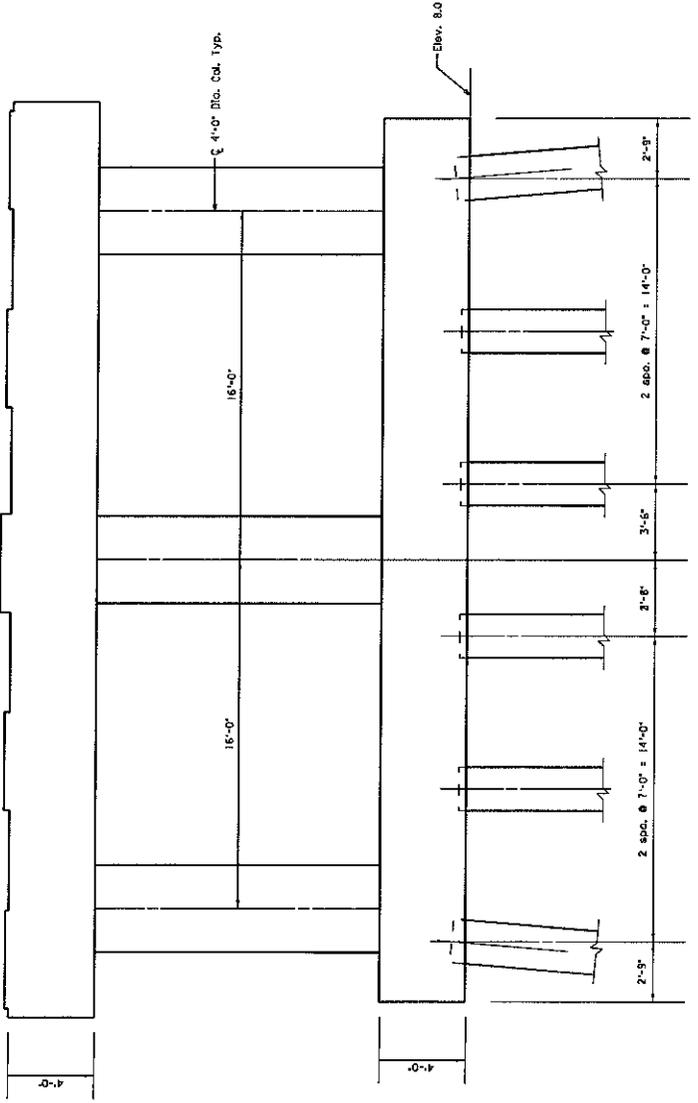


FEDERAL PROJ. NO.	STATE PROJECT NO.	SHEET NO.
MA	0035-020-111E-000A	7

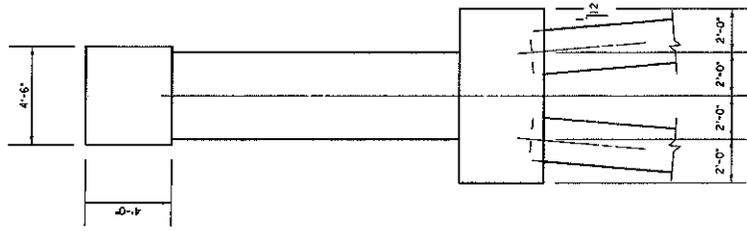
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.



PLAN OF CAP



ELEVATION



END VIEW

COMMISSIONER OF HIGHWAYS DEPARTMENT OF TRANSPORTATION STRUCTURE AND BRIDGE DIVISION	
PIERS 4 & 5	
No.	Description
1	Checked
2	Design
3	Date
4	Checked
5	Date
6	Checked
7	Date

SCALE: 3/8" = 1'-0"

© 2008 Commonwealth of Virginia



**Route 35 Bridge Replacement**  
**Letter of Submittal and**  
**Attachments to the Letter of Submittal**



**CD-ROM**  
**Containing the Entire Letter of Submittal**  
**and Attachments to**  
**the Letter of Submittal**  
**in a Single Cohesive Adobe PDF File**

Submitted by Waterfront Marine Construction, Inc - September 5, 2013



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.
VA.	BR-087-5 ( ) (SEE TABULATION BELOW FOR SECTION NUMBERS)	35	(INFO)0035-087-112 (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 (Z) (design hour)	50/50
T (Z) (design hour)	6Z
V (MPH)	50 MPH

PROJECT MANAGER \_\_\_\_\_  
 SURVEYED BY, DATE, Walter D.F. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/8/11  
 DESIGN SUPERVISED BY \_\_\_\_\_  
 SUBSURFACE UTILITY BY, DATE, Walter D.F. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/9/11

THIS PROJECT WAS DEVELOPED UTILIZING THE DEPARTMENT'S ENGINEERING DESIGN PACKAGE (GEOPAK).  
 GEOPAK Computer Identification No. 81457

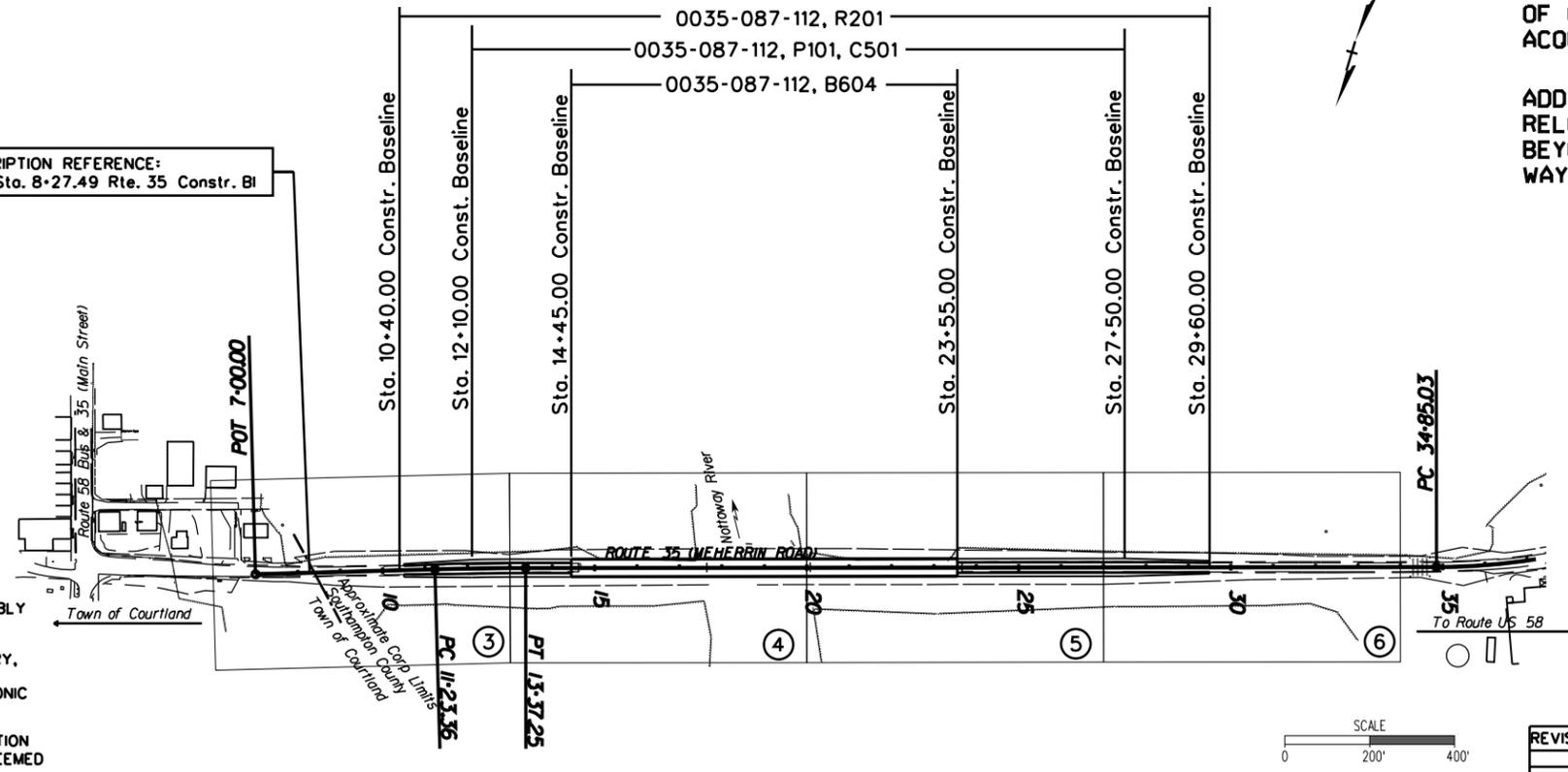
CONVENTIONAL SIGNS

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	-----

DESCRIPTION REFERENCE:  
 POT Sta. 8+27.49 Rte. 35 Constr. Bl



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.

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-5.01R, 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 SOUTHAMPTON 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			1540.00	0.292	630.00	0.119		PREL. ENGR	Fr: 0.072miles West of SOUTHAMPTON County Line
	C-501		P	81457			1540.00	0.292	630.00	0.119		CONSTRUCTION	To: 0.364miles West of SOUTHAMPTON County Line
	RW-201			81457			1920.00	0.364	1010	0.191		RIGHT OF WAY	Fr: 0.040miles West of SOUTHAMPTON County Line
	B-604		P	81457			910.00	0.172				BRIDGE	To: 0.404miles West of SOUTHAMPTON County Line 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 2013, Commonwealth of Virginia

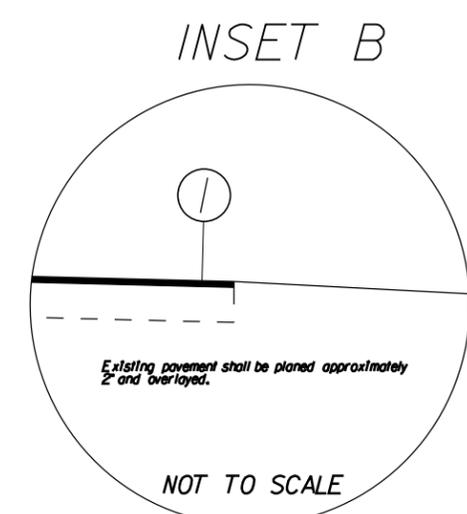
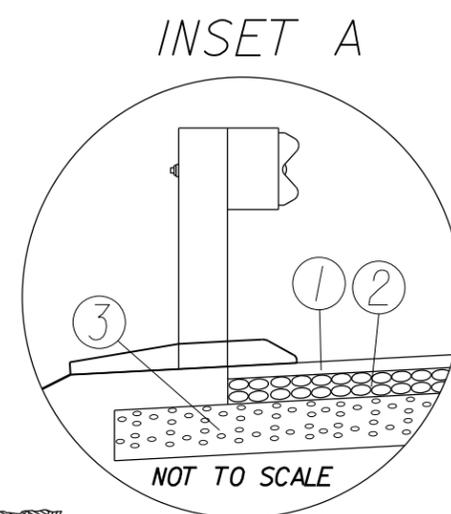
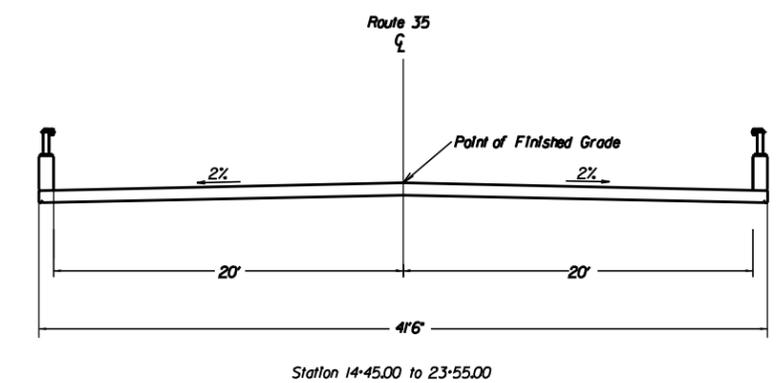
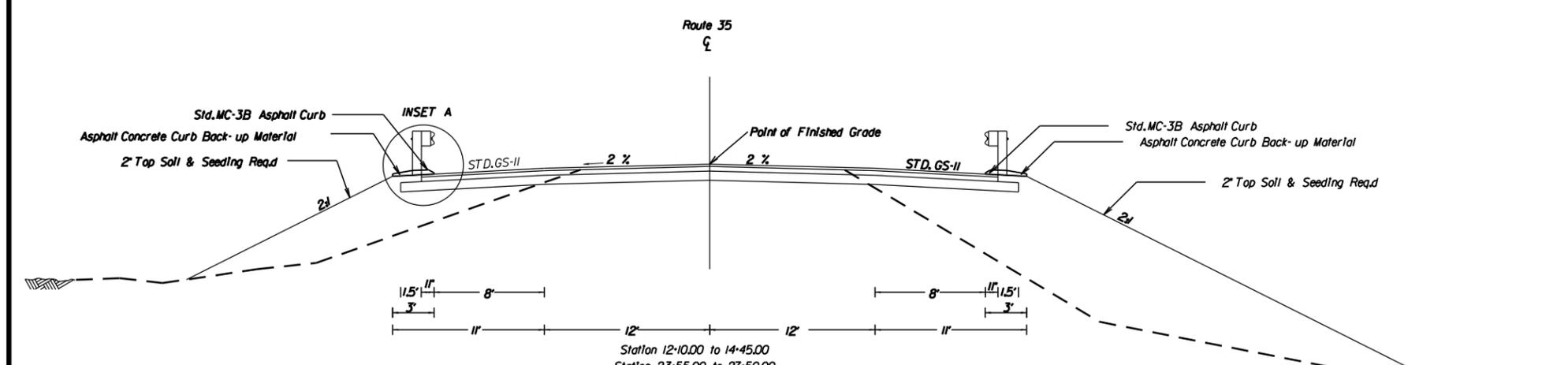
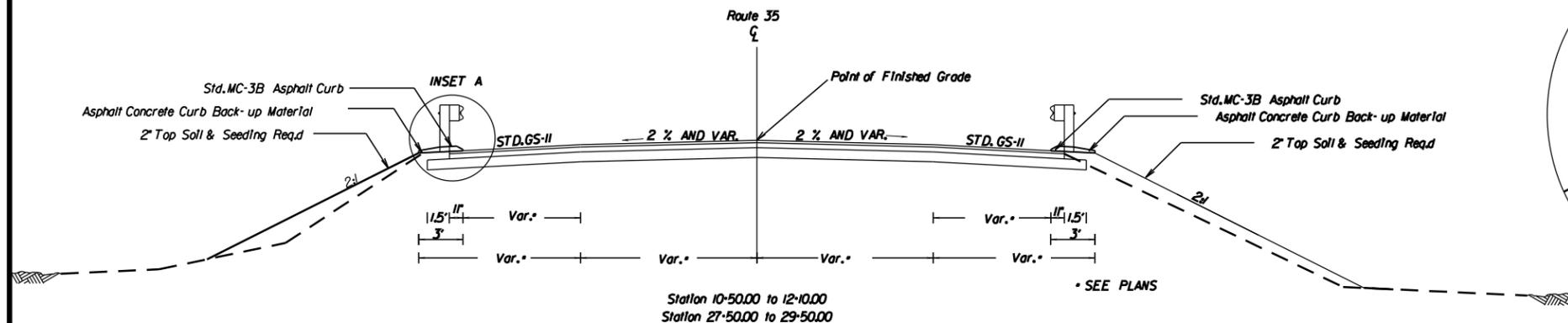
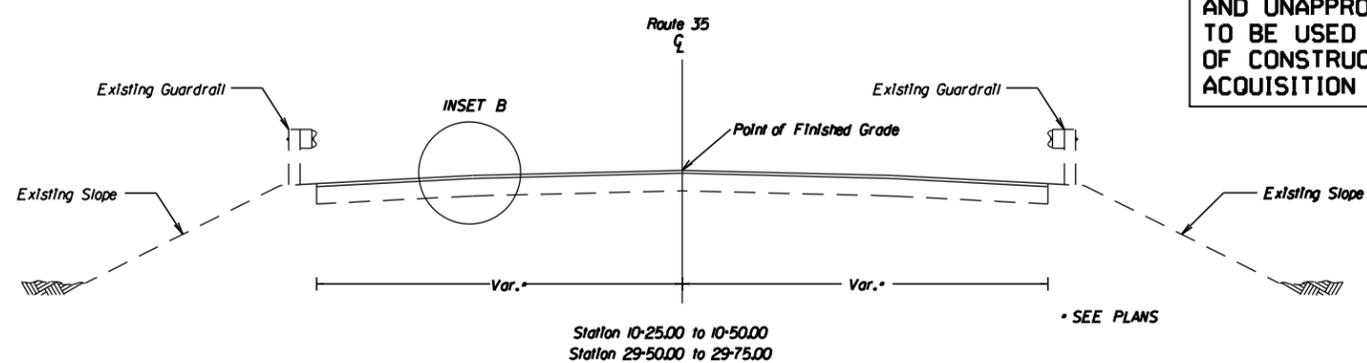
PROJECT MANAGER \_\_\_\_\_  
 SURVEYED BY, DATE Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/8/11  
 DESIGN BY \_\_\_\_\_  
 SUBSURFACE UTILITY BY, DATE Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/9/11

# TYPICAL SECTIONS

THESE PLANS ARE UNFINISHED  
 AND UNAPPROVED AND ARE NOT  
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 ACQUISITION OF RIGHT OF WAY.

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



- ① 2" Asphalt Concrete Type SM-12.5A
- ② 4" Asphalt Concrete Type BM-25.0A Base Course
- ③ 6" Aggregate Base Material, Type 1, No. 21B Subbase

09:22 AM on September 09, 13

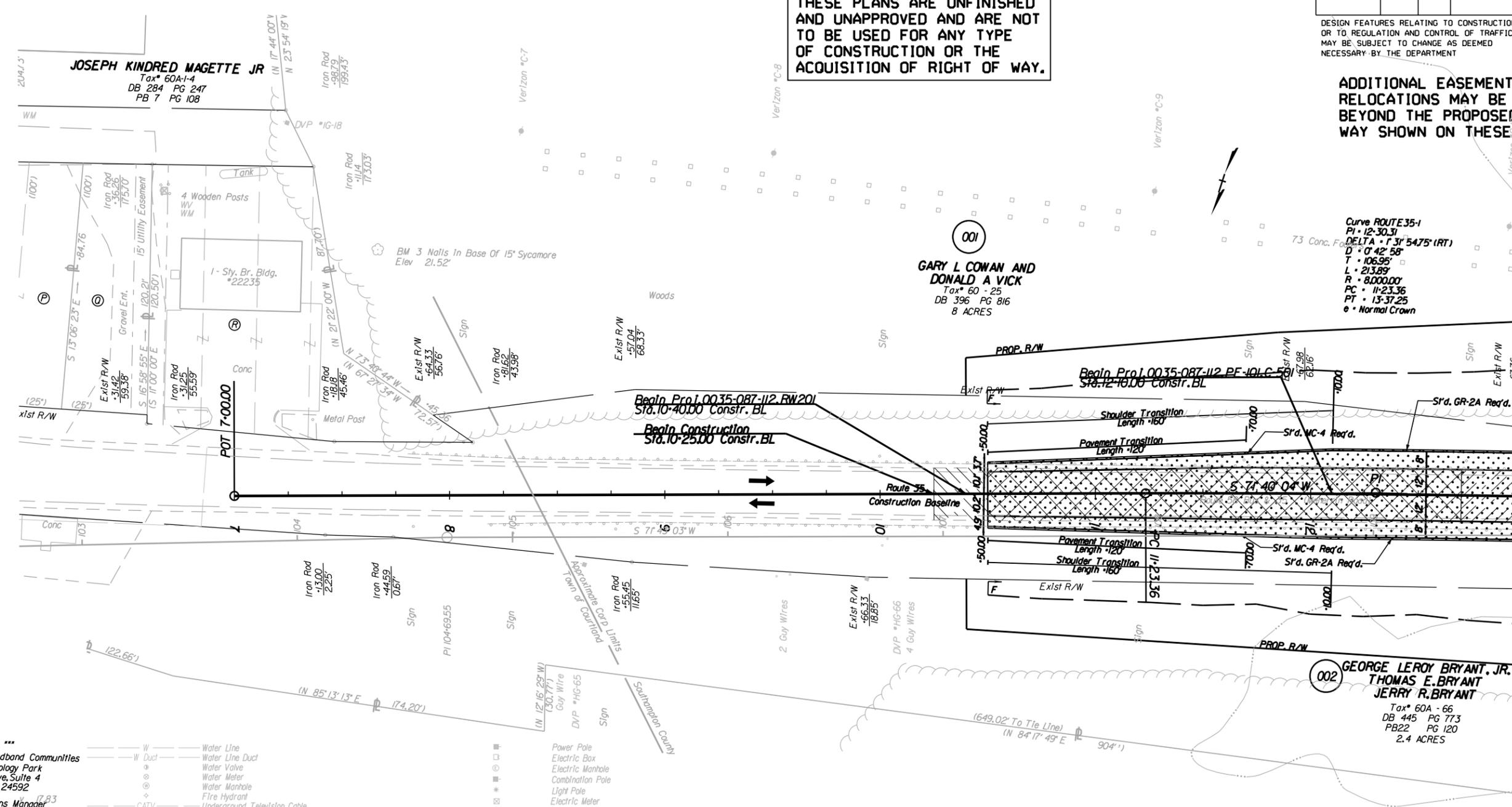
PROJECT MANAGER \_\_\_\_\_  
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 DESIGN SUPERVISED BY \_\_\_\_\_  
 SUBSURFACE UTILITY BY, DATE Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/9/11

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

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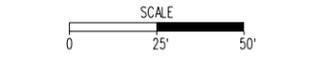
**ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.**



- \*\*\* Utility Owners \*\*\*
- Mid-Atlantic Broadband Communities  
Rherstone 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

- |        |                                   |   |   |
|--------|-----------------------------------|---|---|
| W      | Water Line                        | □ | Power Pole                                      |
| W Duct | Water Line Duct                   | □ | Electric Box                                    |
| ○      | Water Valve                       | □ | Electric Manhole                                |
| ○      | Water Meter                       | □ | Combination Pole                                |
| ○      | Water Manhole                     | □ | Light Pole                                      |
| ○      | Fire Hydrant                      | □ | Electric Meter                                  |
| ○      | Underground Television Cable      | □ | Electric Hand Hole                              |
| ○      | Underground Television Cable Duct | □ | Gas Line  |
| ○      | Fiber Optic Cable Television      | □ | Gas Line Duct                                   |
| ○      | Television Hand Hole              | □ | Gas Manhole                                     |
| ○      | Television Pedestal               | □ | Gas Valve                                       |
| ○      | TV Manhole                        | □ | Gas Meter                                       |
| ○      | Underground Telephone Cable       | □ | Gas Well  |
| ○      | Underground Telephone Cable Duct  | □ | Sanitary Force Main                             |
| ○      | Telephone Fiber Optic             | □ | Gravity Sewer                                   |
| ○      | Underground Fiber Optic           | □ | Sanitary Manhole                                |
| ○      | Underground Fiber Optic Duct      | □ | Sewer Clean Out                                 |
| ○      | Fiber Optic Marker                | □ | Storm Manhole                                   |
| ○      | Telephone Pedestal                | □ | Roll Road Signal / Gate                         |
| ○      | Telephone Manhole                 | □ | Roll Road Telephone Pole                        |
| ○      | Telephone Pole                    | □ | Utility End Point                               |
| ○      | Telephone Hand Hole               | □ | Vacuum Sewer                                    |
| ○      | Underground Traffic Control       | □ | Fuel Line (above or below ground)               |
| ○      | Underground Traffic Control Duct  | □ | Chemical Line (above or below ground)           |
| ○      | Traffic Control Fiber Optic       | □ | Unknown Utility Line                            |
| ○      | Traffic Control Hand Hole         | □ | (OATUR) Depicted According To Utility Records   |
| ○      | Traffic Control Manhole           | □ | (AATUR) Abandoned According To Utility Records  |
| ○      | Traffic Signal Pole               | □ | (AATFI) Abandoned According To Field Inspection |
| ○      | Underground Power Cable           |   |   |
| ○      | Underground Power Cable Duct      |   |   |

- 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

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

PROJECT MANAGER \_\_\_\_\_  
 SURVEYED BY, DATE Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/8/11  
 DESIGN SUPERVISED BY \_\_\_\_\_  
 SUBSURFACE UTILITY BY, DATE Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/9/11

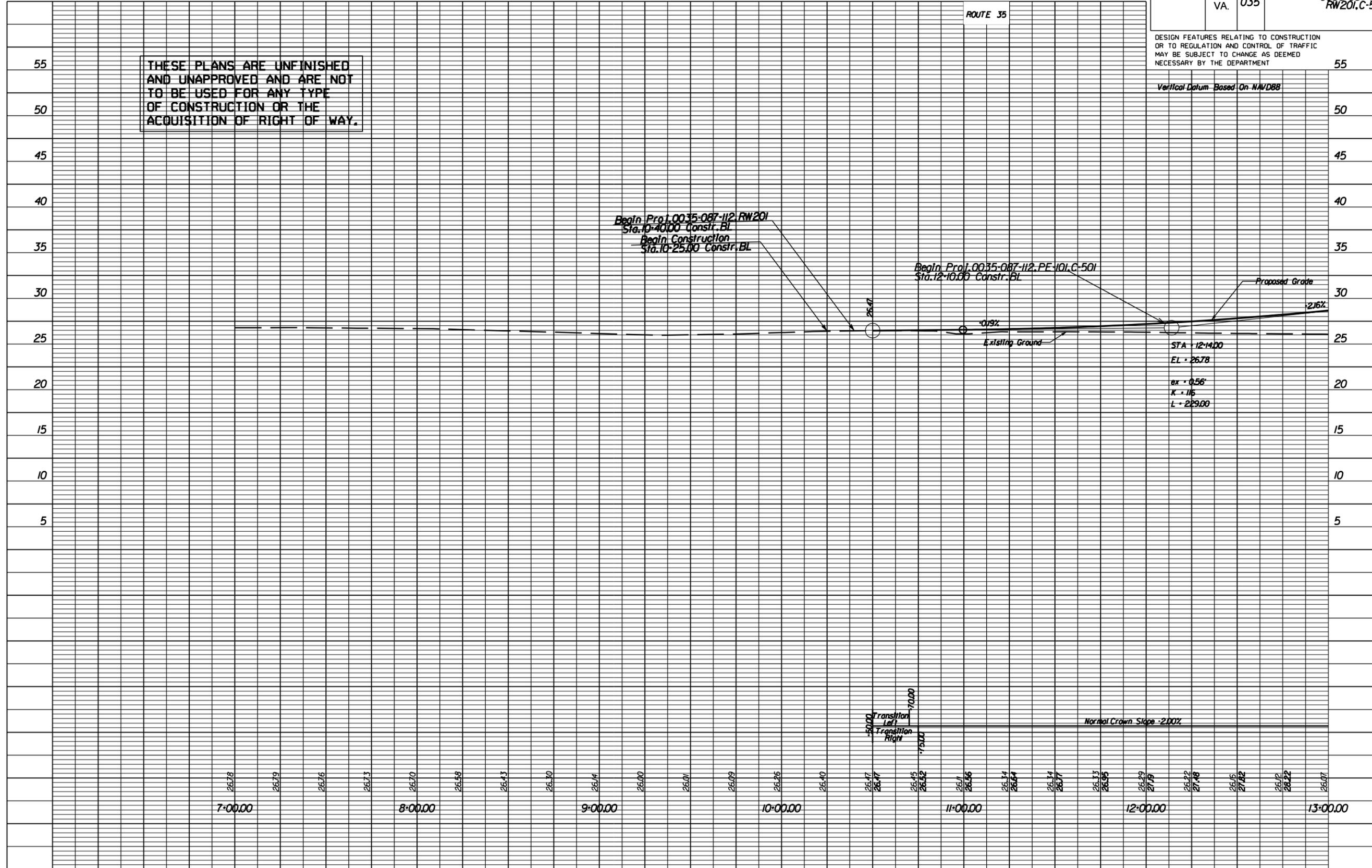
1" = 25'  
 Scale

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

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Vertical Datum Based On NAVD88



PROJECT MANAGER \_\_\_\_\_  
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 SUBSURFACE UTILITY BY, DATE Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/9/11

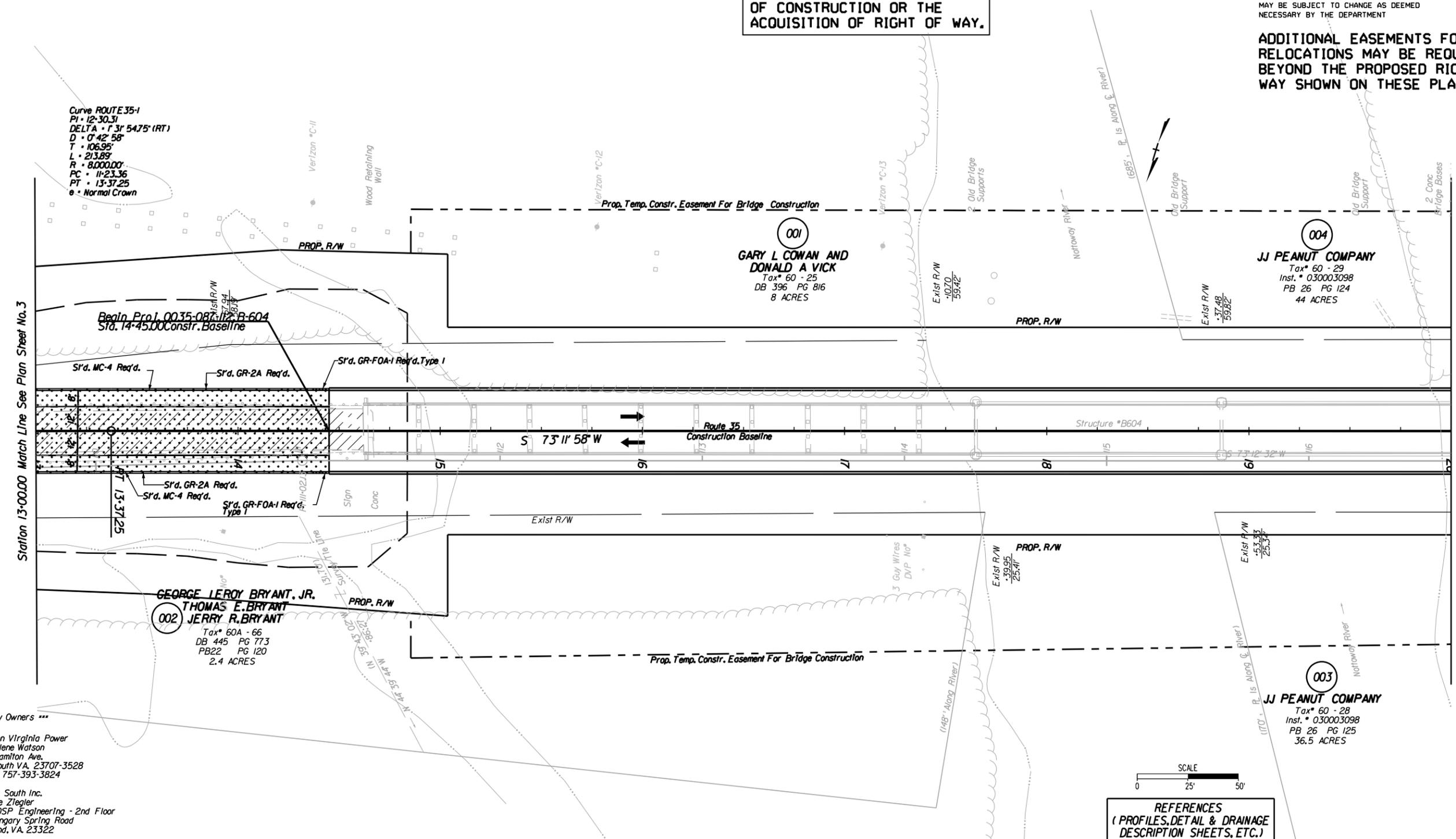
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	35	0035-087-112, RW201, B-604, C-501	4

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Curve ROUTE 35-1  
 PI • 12+30.31  
 DELTA • 73° 54' 57" (RT)  
 D • 0' 42" 58"  
 T • 106.95'  
 L • 213.89'  
 R • 8,000.00'  
 PC • 11+23.36  
 PT • 13+37.25  
 e • Normal Crown



Station 13+00.00 Match Line See Plan Sheet No. 3

Station 20+00.00 Match Line See Plan Sheet No. 5

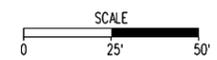
\*\*\* Utility Owners \*\*\*

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



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

Mainline Profile 4A

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

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

- Denotes Proposed Pavement
- Denotes Proposed 2' Mill

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

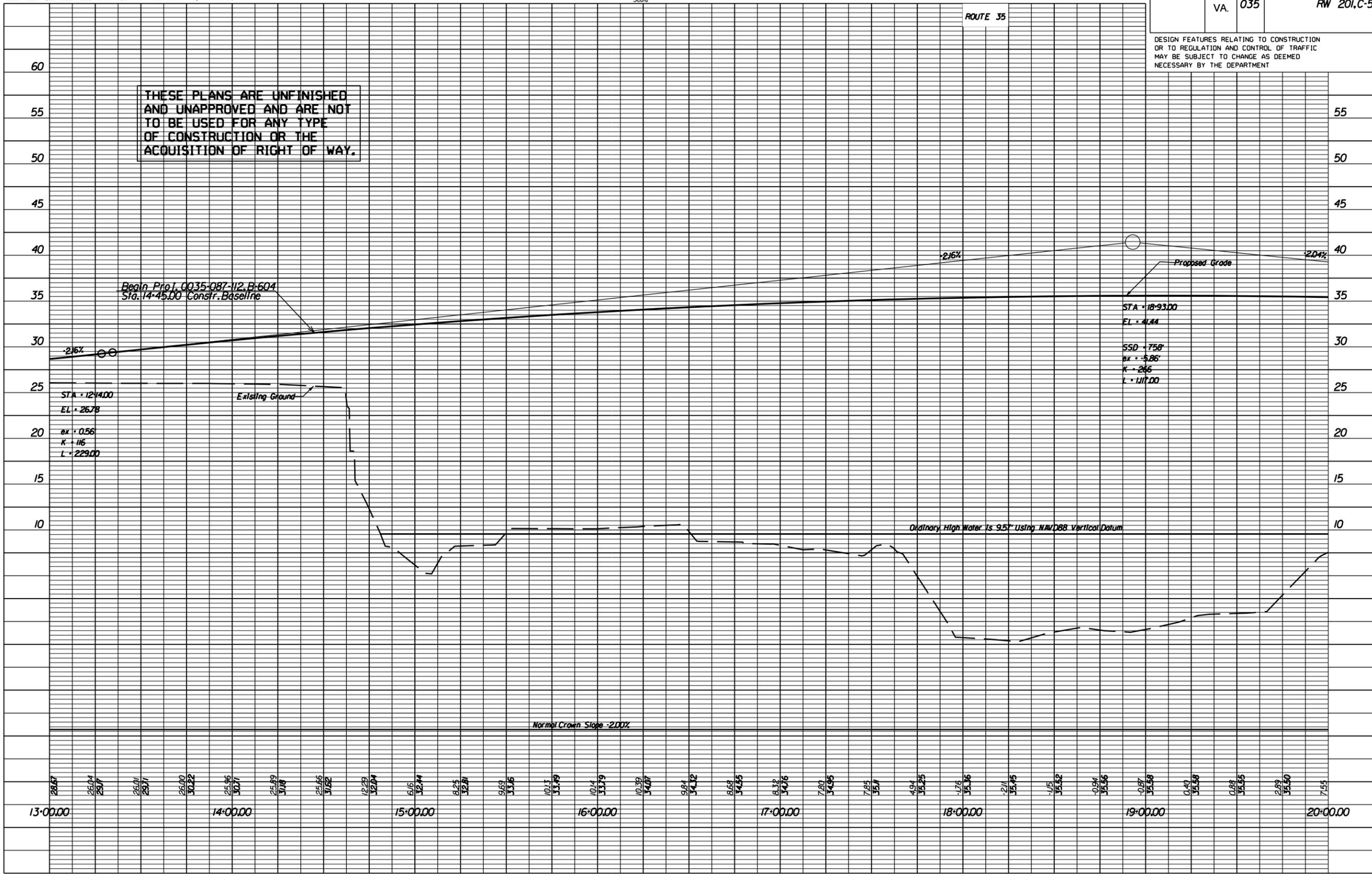
PROJECT MANAGER \_\_\_\_\_  
 SURVEYED BY, DATE Walter\_D.Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/8/11  
 DESIGN SUPERVISED BY \_\_\_\_\_  
 SUBSURFACE UTILITY BY, DATE Walter\_D.Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/9/11

1"=25'  
 Scale

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

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STA = 12+45.00  
 EL = 26.78  
 BX = 0.56  
 K = 116  
 L = 229.00

STA = 18+93.00  
 EL = 41.44  
 SSD = 758'  
 BX = 5.86'  
 K = 266  
 L = 1117.00

28.67  
26.04  
25.17  
26.01  
28.71  
26.00  
30.22  
25.96  
30.71  
25.89  
31.8  
25.66  
31.82  
12.93  
32.04  
6.16  
32.14  
8.25  
32.24  
9.69  
33.16  
10.13  
33.49  
10.14  
33.79  
10.39  
34.07  
9.84  
34.32  
8.68  
34.55  
8.32  
34.76  
7.80  
34.95  
7.85  
35.1  
4.94  
35.25  
1.76  
35.16  
-2.11  
35.45  
-1.15  
35.52  
-0.94  
35.56  
-0.87  
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35.55  
2.89  
35.50  
7.55

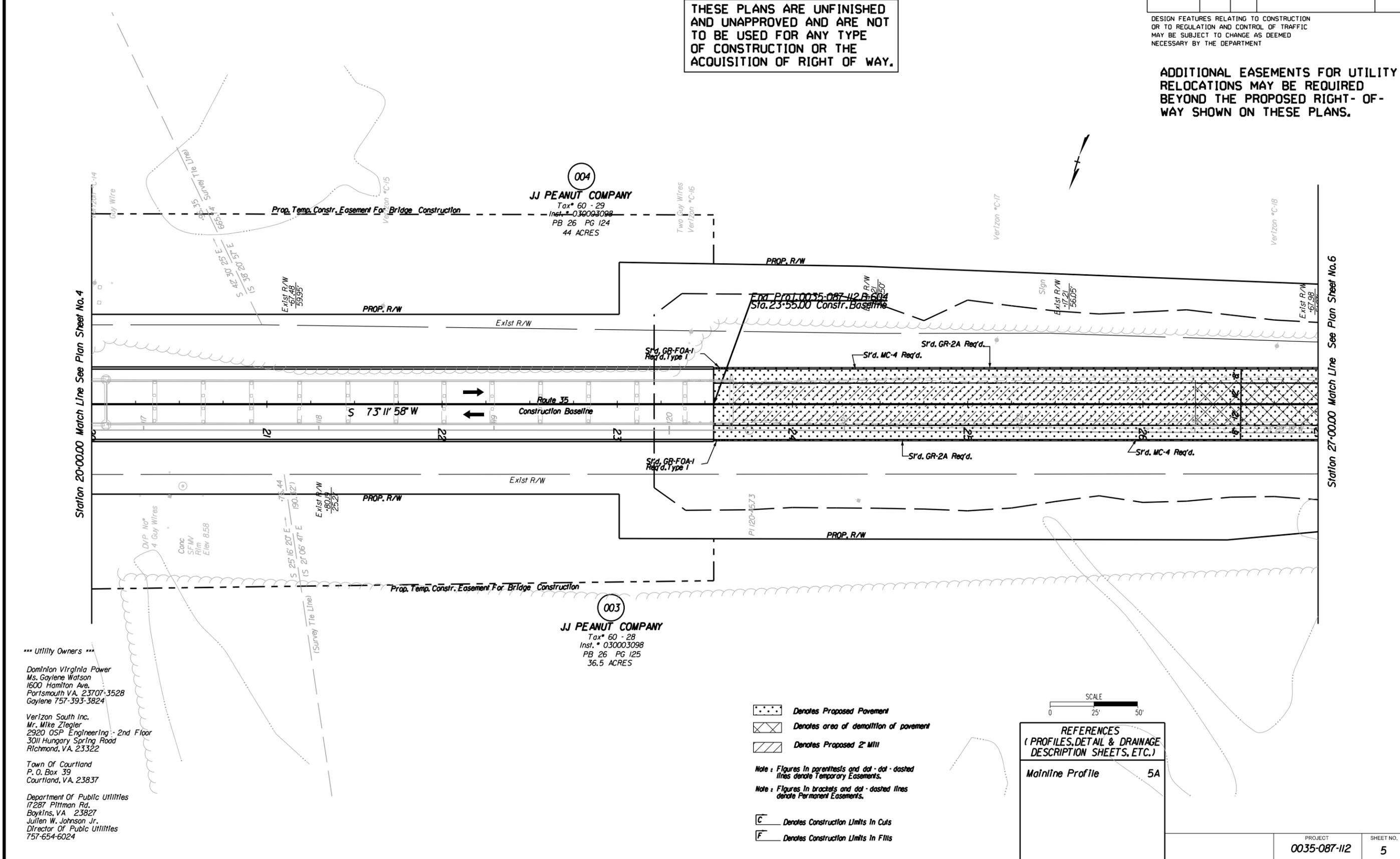
PROJECT MANAGER \_\_\_\_\_  
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 DESIGN SUPERVISED BY \_\_\_\_\_  
 SUBSURFACE UTILITY BY, DATE Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/9/11

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

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

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 Portsmouth VA, 23707-3528  
 Gaylene 757-393-3824

**Verizon South Inc.**  
 Mr. Mike Ziegler  
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**Town Of Courtland**  
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 Boykins, VA - 23827  
 Julian W. Johnson Jr.  
 Director Of Public Utilities  
 757-654-6024

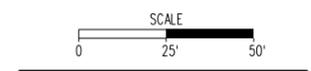
**004**  
**JJ PEANUT COMPANY**  
 Tax\* 60 - 25  
 Inst.\* 030003098  
 PB 26 PG 124  
 44 ACRES

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

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

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

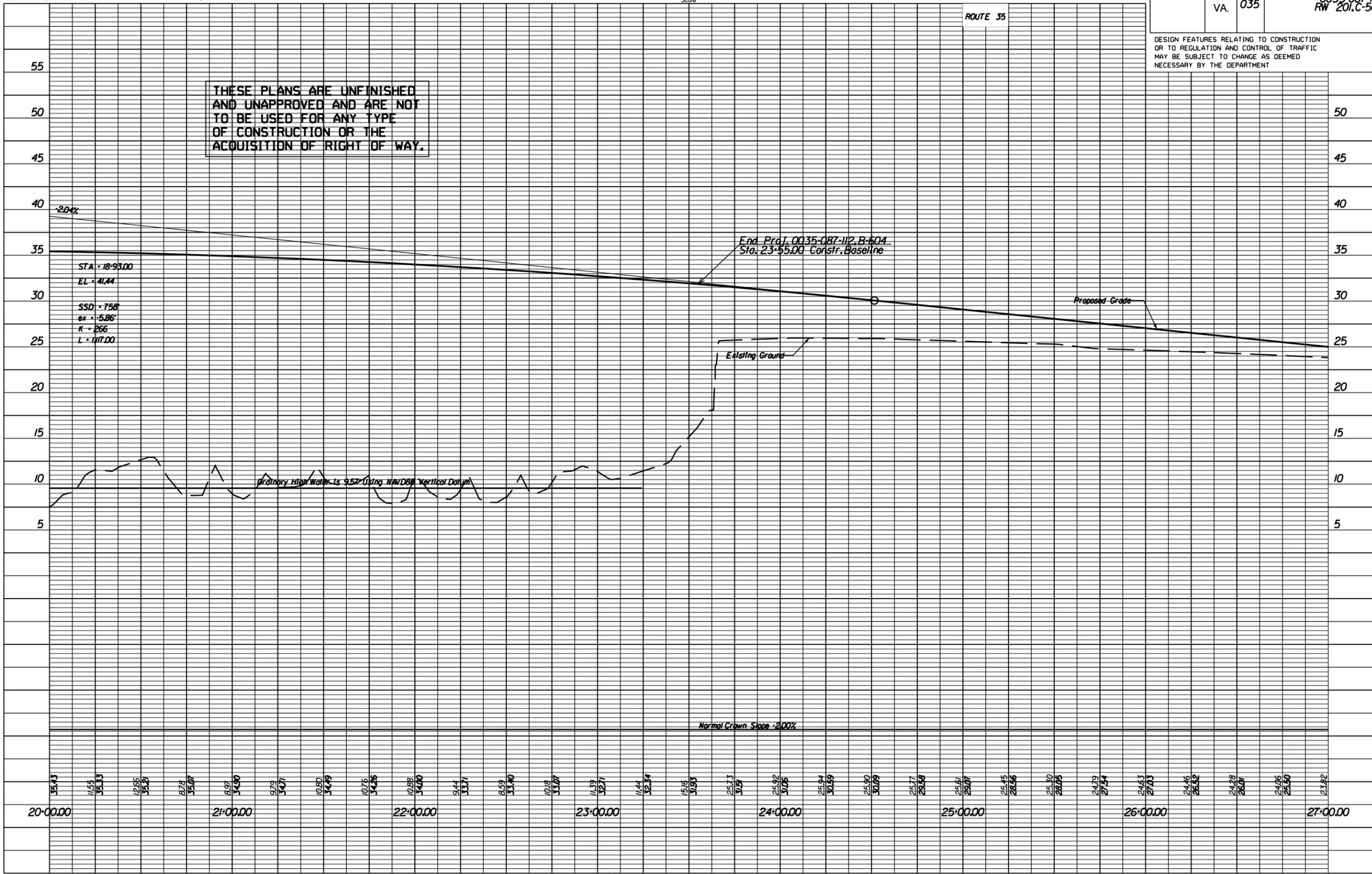
PROJECT MANAGER \_\_\_\_\_  
 SURVEYED BY, DATE Walter, D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/8/11  
 DESIGN SUPERVISED BY \_\_\_\_\_  
 SUBSURFACE UTILITY BY, DATE Walter, D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/9/11

1"=25'  
 Scale

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

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STA = 18+93.00  
 EL = 41.44  
 SSD = 758'  
 e = 5.86'  
 K = 266  
 L = 1117.00

End Proj. 0035-087-112.B-604  
 Sta. 23+55.00 Constr. Baseline

Ordinary High Water is 9.52 (Using NAVD83 Vertical Datum)

Normal Crown Slope -2.00%

20+00.00	35.43	11.55	35.33	12.55	35.21	8.78	35.07	8.97	34.90	9.79	34.71	10.80	34.49	10.75	34.26	10.88	34.00	9.44	33.71	8.59	33.40	10.18	33.07	11.39	32.71	11.44	32.34	15.16	31.93	25.73	31.51	25.92	31.06	25.94	30.59	25.90	30.09	25.77	29.58	25.61	29.07	25.45	28.56	25.30	28.05	24.79	27.54	24.63	27.03	24.46	26.52	24.28	26.01	24.06	25.50	23.82	27+00.00
----------	-------	-------	-------	-------	-------	------	-------	------	-------	------	-------	-------	-------	-------	-------	-------	-------	------	-------	------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	----------

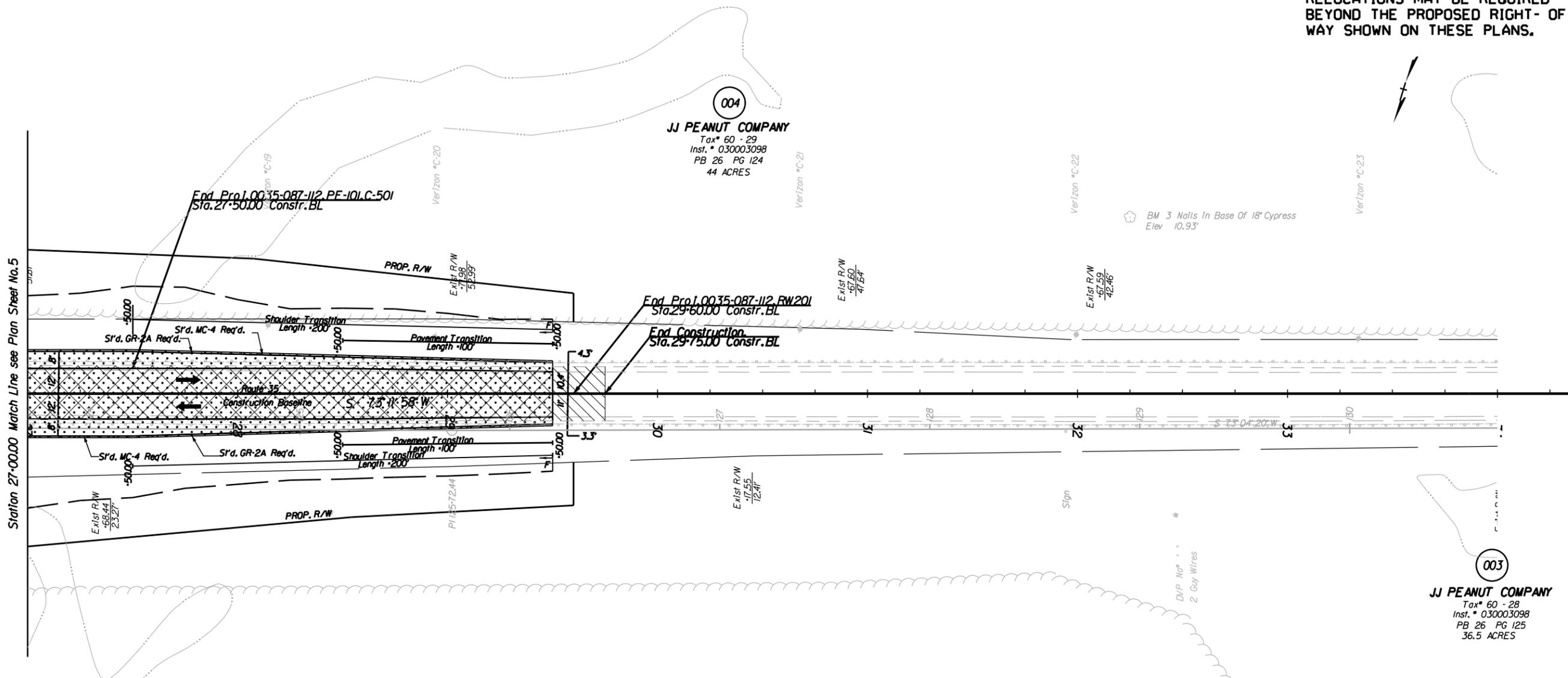
PROJECT MANAGER \_\_\_\_\_  
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 DESIGN SUPERVISED BY \_\_\_\_\_  
 SUBSURFACE UTILITY BY, DATE Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/9/11

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	35	0035-087-112, RW201, PE-101, C-501	6

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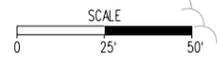


- \*\*\* Utility Owners \*\*\*
- Dominion Virginia Power  
 Ms. Gaylene Watson  
 1600 Hamilton Ave.  
 Portsmouth VA, 23707-3528  
 Gaylene 757-393-3824
  - Verizon South Inc.  
 Mr. Mike Ziegler  
 2920 OSP Engineering - 2nd Floor  
 3011 Hungary Spring Road  
 Richmond, VA, 23322
  - Town Of Courtland  
 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

- 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.)

Mainline Profile 6A

09/24 AM on September 09/13

PROJECT	SHEET NO.
0035-087-112	6

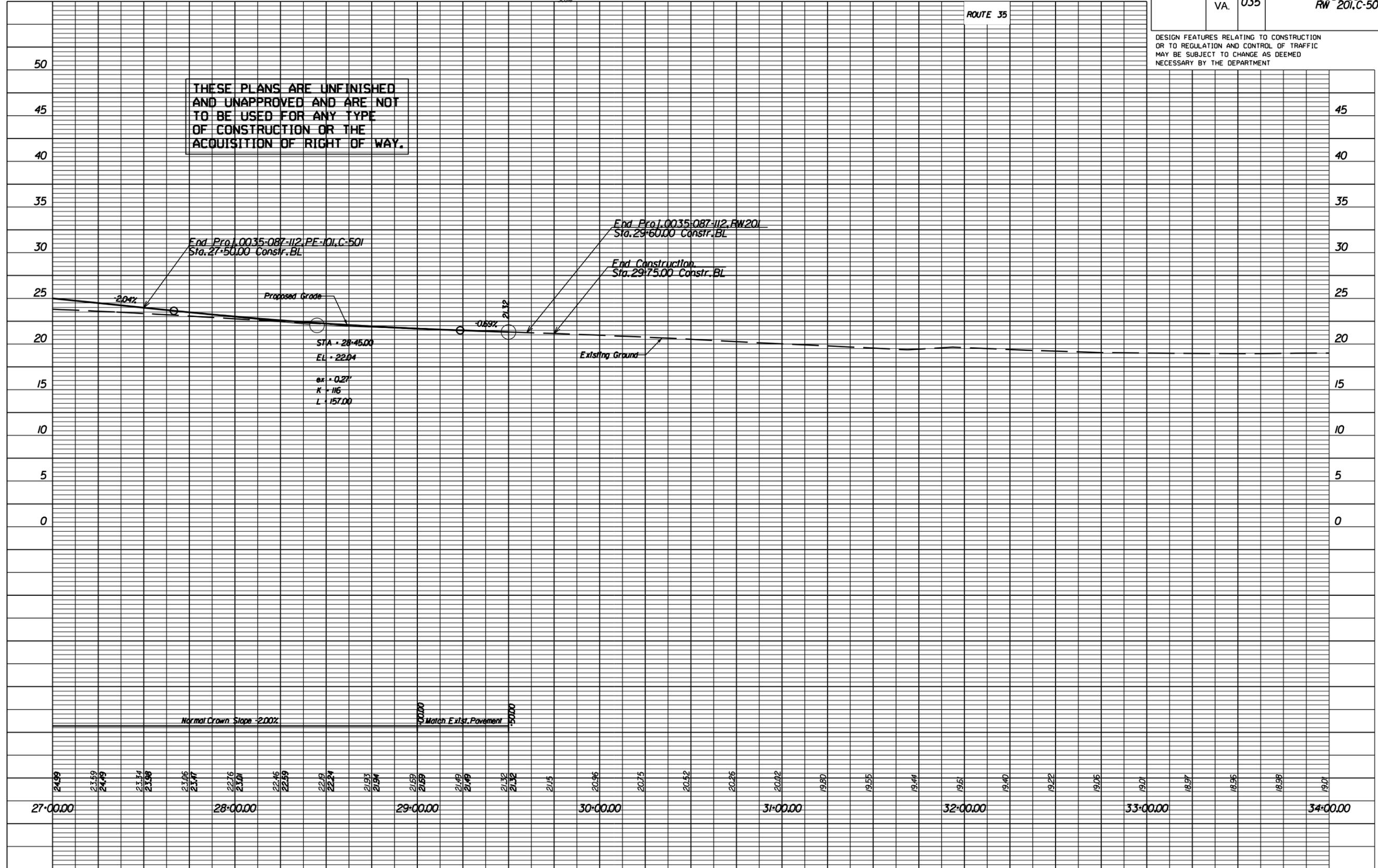
PROJECT MANAGER \_\_\_\_\_  
 SURVEYED BY, DATE Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/8/11  
 DESIGN SUPERVISED BY \_\_\_\_\_  
 SUBSURFACE UTILITY BY, DATE Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/9/11

1" = 25'  
 Scale

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	035		0035-087-112 RW 201, C-501	6A

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.



09:59 AM on September 09, 13

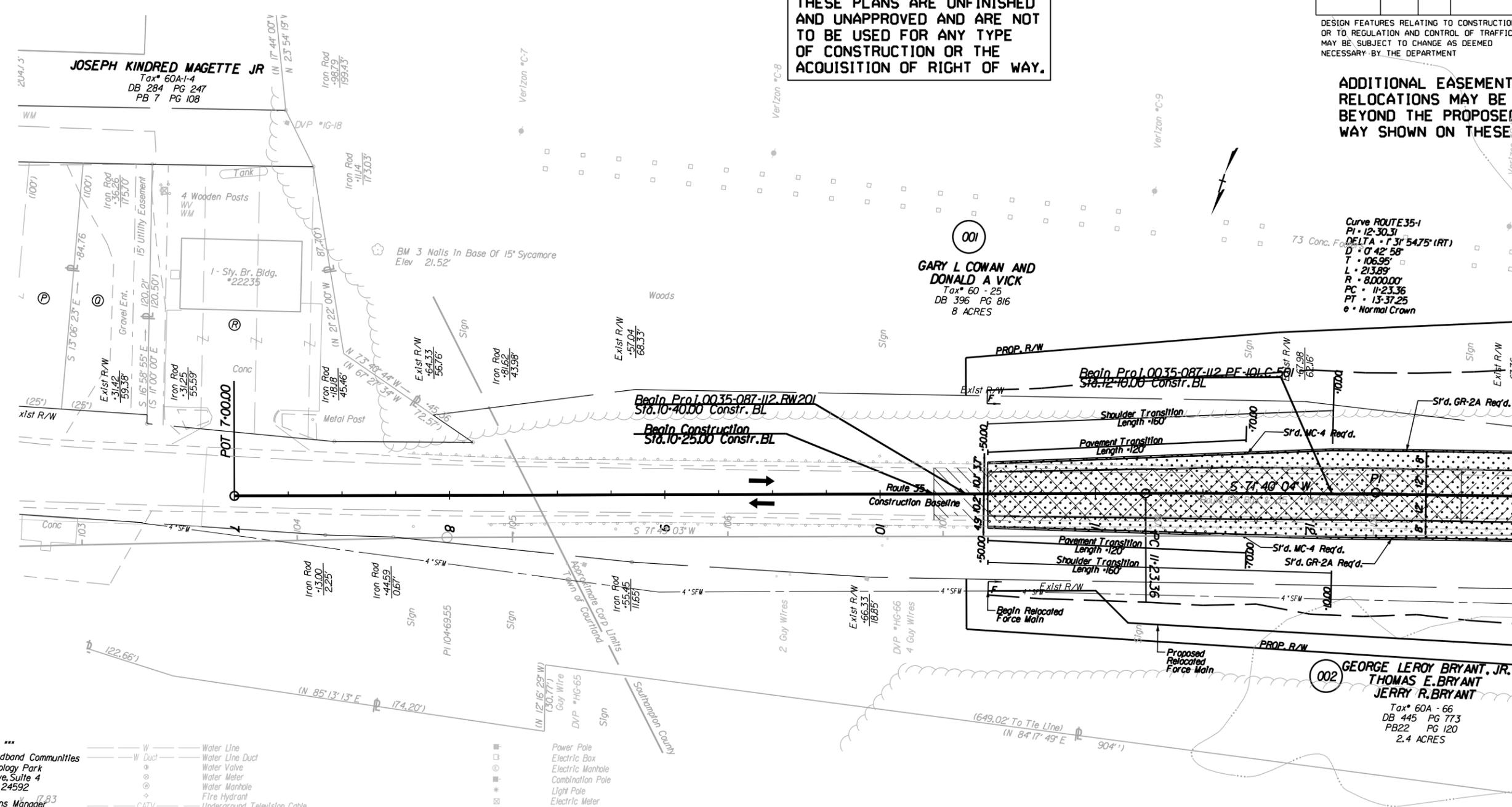
PROJECT MANAGER \_\_\_\_\_  
 SURVEYED BY, DATE Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/8/11  
 DESIGN SUPERVISED BY \_\_\_\_\_  
 SUBSURFACE UTILITY BY, DATE Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/9/11

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	35	0035-087-112, RW201, C-501	7

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

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

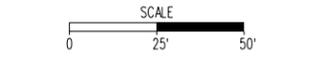
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.



- \*\*\* Utility Owners \*\*\*
- Mid-Atlantic Broadband Communities  
Rherstone 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

- |        |                                   |   |   |
|--------|-----------------------------------|---|---|
| W      | Water Line                        | □ | Power Pole                                      |
| W Duct | Water Line Duct                   | □ | Electric Box                                    |
| ○      | Water Valve                       | □ | Electric Manhole                                |
| ○      | Water Meter                       | □ | Combination Pole                                |
| ○      | Water Manhole                     | □ | Light Pole                                      |
| ○      | Fire Hydrant                      | □ | Electric Meter                                  |
| ○      | Underground Television Cable      | □ | Electric Hand Hole                              |
| ○      | Underground Television Cable Duct | □ | Gas Line  |
| ○      | Fiber Optic Cable Television      | □ | Gas Line Duct                                   |
| ○      | Television Hand Hole              | □ | Gas Manhole                                     |
| ○      | Television Pedestal               | □ | Gas Valve                                       |
| ○      | TV Manhole                        | □ | Gas Meter                                       |
| ○      | Underground Telephone Cable       | □ | Gas Well  |
| ○      | Underground Telephone Cable Duct  | □ | Sanitary Force Main                             |
| ○      | Telephone Fiber Optic             | □ | Gravity Sewer                                   |
| ○      | Underground Fiber Optic           | □ | Sanitary Manhole                                |
| ○      | Underground Fiber Optic Duct      | □ | Sewer Clean Out                                 |
| ○      | Fiber Optic Marker                | □ | Storm Manhole                                   |
| ○      | Telephone Pedestal                | □ | Roll Road Signal / Gate                         |
| ○      | Telephone Manhole                 | □ | Roll Road Telephone Pole                        |
| ○      | Telephone Pole                    | □ | Utility End Point                               |
| ○      | Telephone Hand Hole               | □ | Vacuum Sewer                                    |
| ○      | Underground Traffic Control       | □ | Fuel Line (above or below ground)               |
| ○      | Underground Traffic Control Duct  | □ | Chemical Line (above or below ground)           |
| ○      | Traffic Control Fiber Optic       | □ | Unknown Utility Line                            |
| ○      | Traffic Control Hand Hole         | □ | (OATUR) Depicted According To Utility Records   |
| ○      | Traffic Control Manhole           | □ | (AATUR) Abandoned According To Utility Records  |
| ○      | Traffic Signal Pole               | □ | (AATFI) Abandoned According To Field Inspection |
| ○      | Underground Power Cable           |   |   |
| ○      | Underground Power Cable Duct      |   |   |

- 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

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

PROJECT MANAGER \_\_\_\_\_  
 SURVEYED BY, DATE Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/8/11  
 DESIGN SUPERVISED BY \_\_\_\_\_  
 SUBSURFACE UTILITY BY, DATE Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/9/11

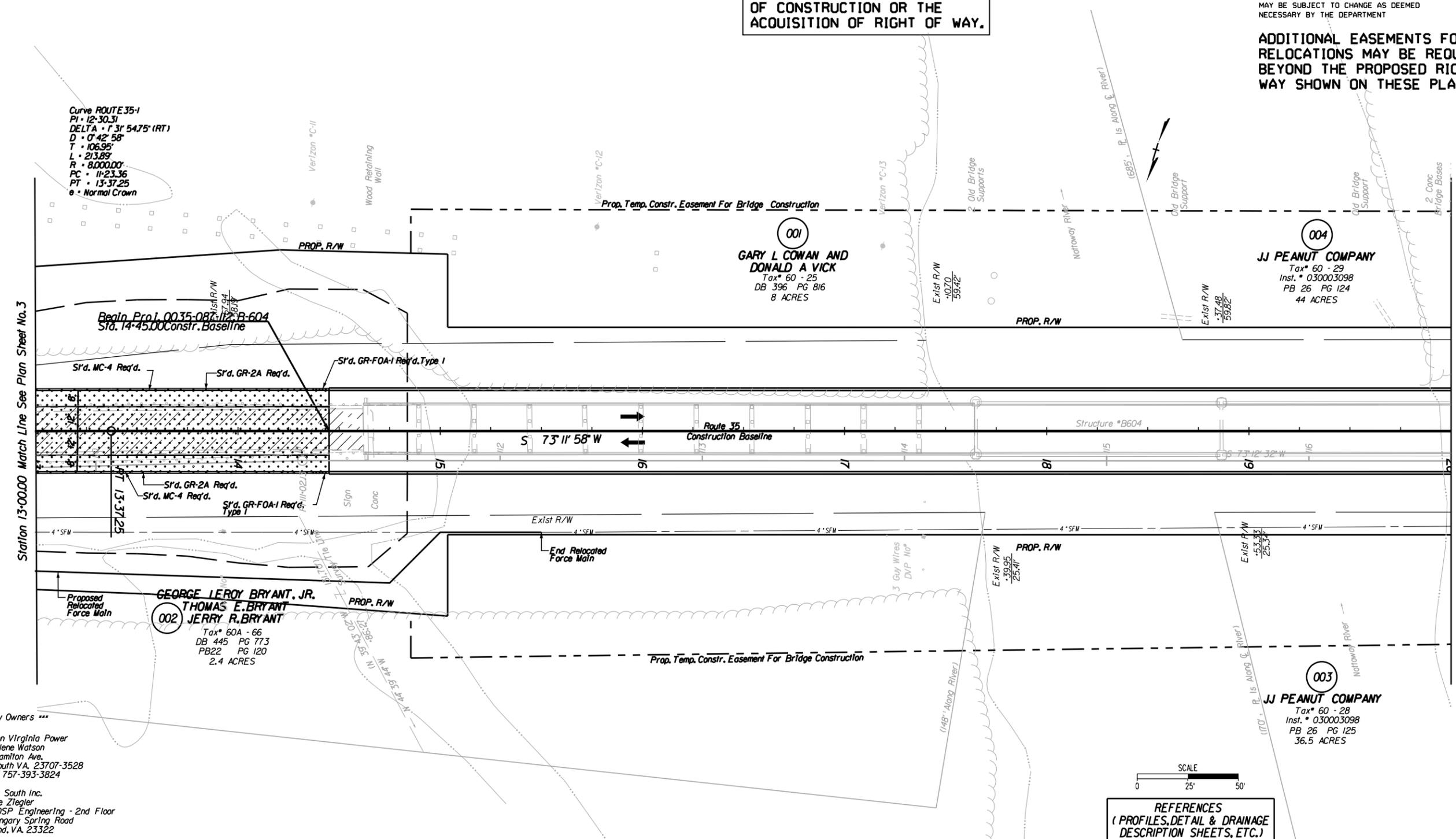
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	35	0035-087-112, RW201, B-604, C-501	8

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.

Curve ROUTE 35-1  
 PI • 12+30.31  
 DELTA • 73° 54' 57" (RT)  
 D • 0' 42" 58"  
 T • 106.95'  
 L • 213.89'  
 R • 8,000.00'  
 PC • 11+23.36  
 PT • 13+37.25  
 e • Normal Crown



Station 13+00.00 Match Line See Plan Sheet No. 3

Station 20+00.00 Match Line See Plan Sheet No. 5

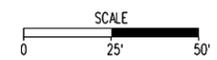
\*\*\* Utility Owners \*\*\*

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  
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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



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

Mainline Profile 4A

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

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

- Denotes Proposed Pavement
- Denotes Proposed 2' Mill

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

09/19 AM on September 09, 13

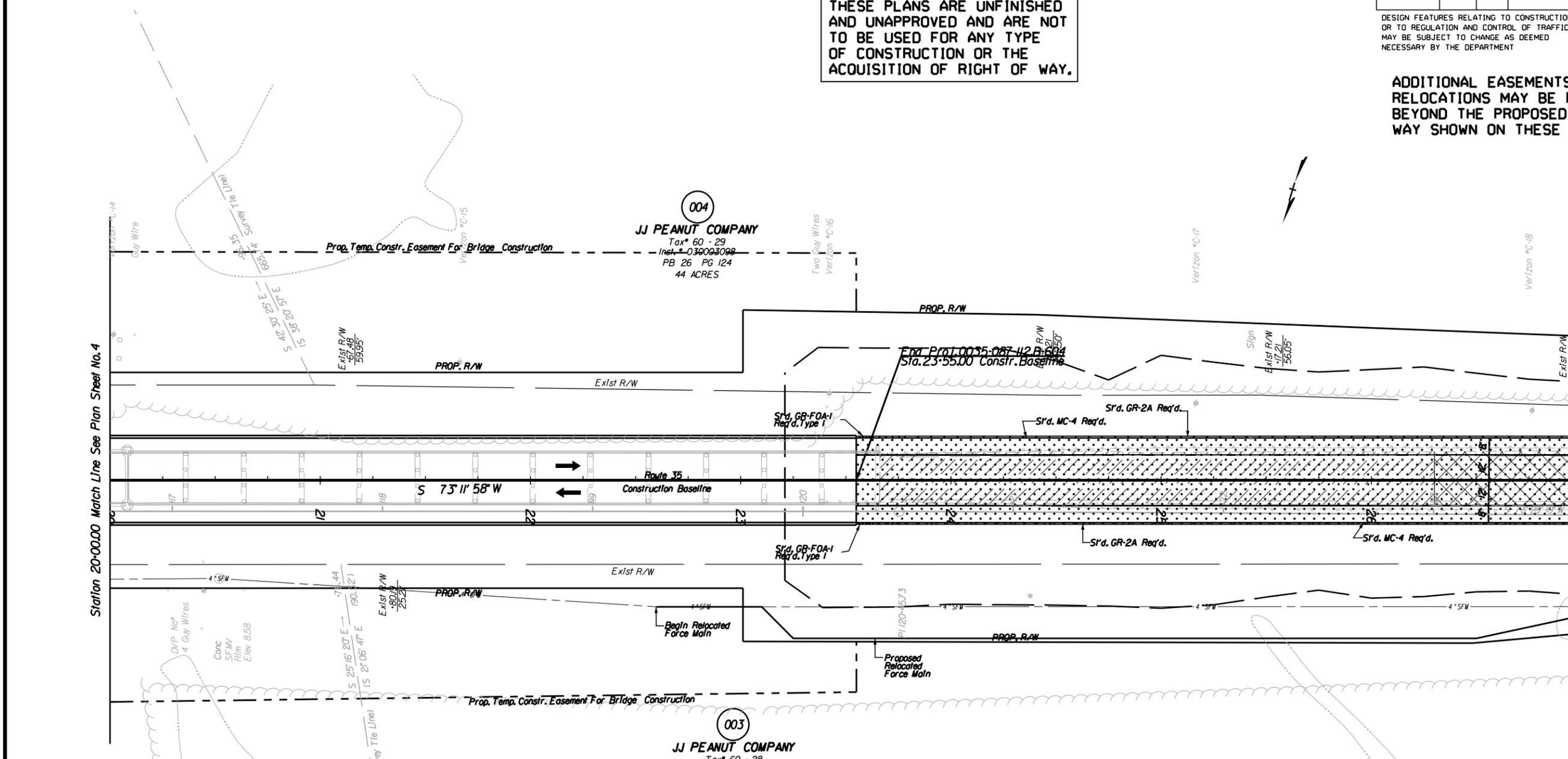
PROJECT MANAGER \_\_\_\_\_  
SURVEYED BY, DATE Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/8/11  
DESIGN SUPERVISED BY \_\_\_\_\_  
SUBSURFACE UTILITY BY, DATE Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/9/11

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	35	0035-087-112, RW201, B-604, C-501	9

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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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-dash lines denote Temporary Easements.  
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- Denotes Construction Limits In Fills



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

Mainline Profile 5A

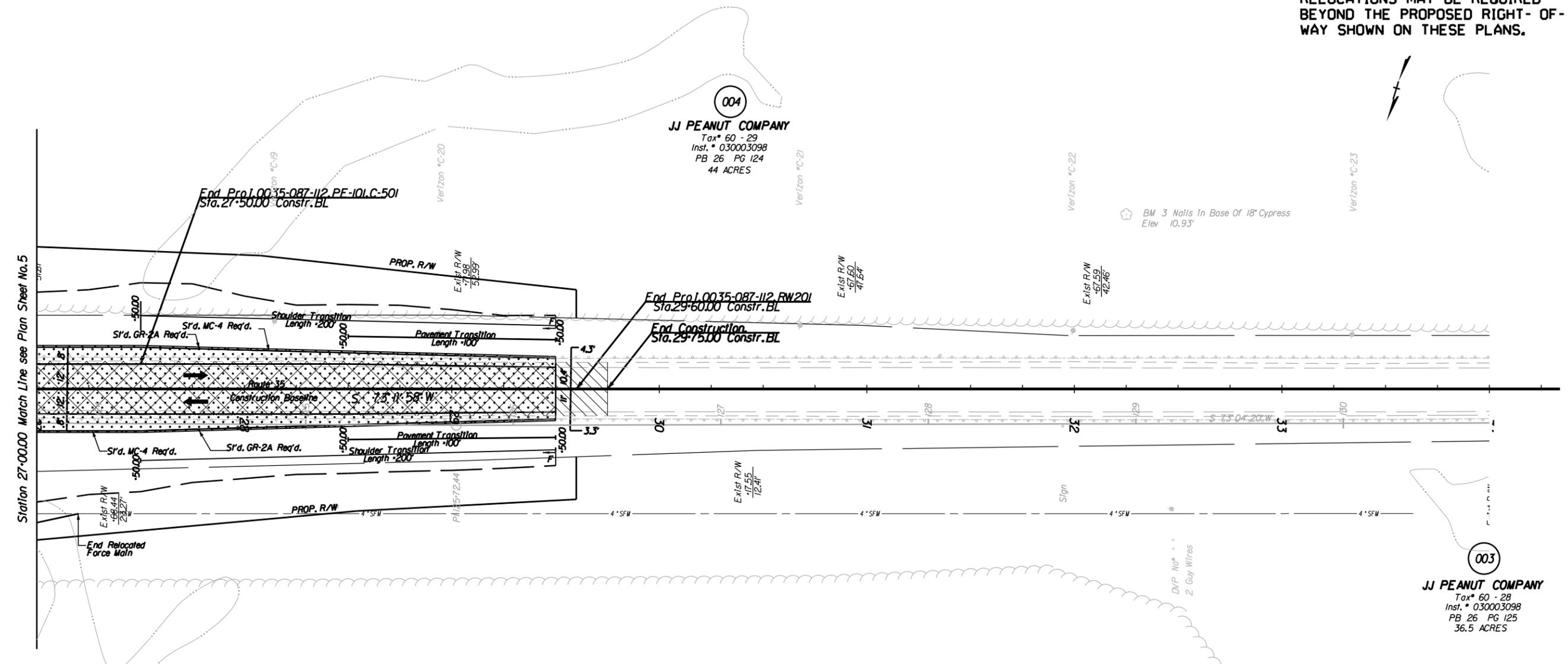
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 SURVEYED BY, DATE Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/8/11  
 DESIGN SUPERVISED BY \_\_\_\_\_  
 SUBSURFACE UTILITY BY, DATE Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/9/11

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	35	0035-087-112, RW201, PE-101, C-501	10

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 Gaylene 757-393-3824
  - Verizon South Inc.  
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 Courtland, VA, 23837
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 17287 Pittman Rd.  
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 757-654-6024

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- 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

SCALE  
 0 25' 50'

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Mainline Profile	6A

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

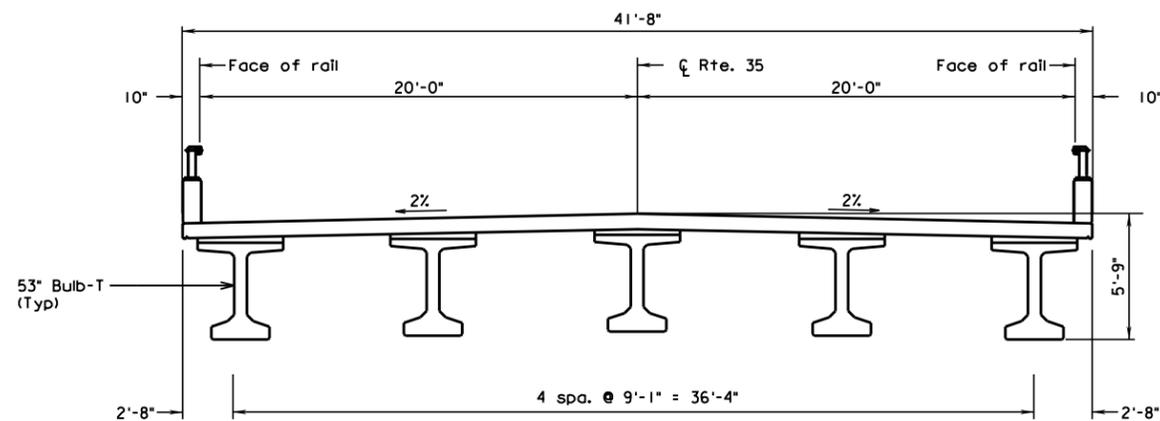
PROJECT	SHEET NO.
0035-087-112	10

STATE	ROUTE	FEDERAL AID PROJECT	STATE ROUTE	PROJECT	SHEET NO.
VA.	—		35	0035-087-112, B604	1
NBIS Number:			UJPC No. 81457		
Federal Oversight Code:			FHWA Construction and Scour Code:		

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

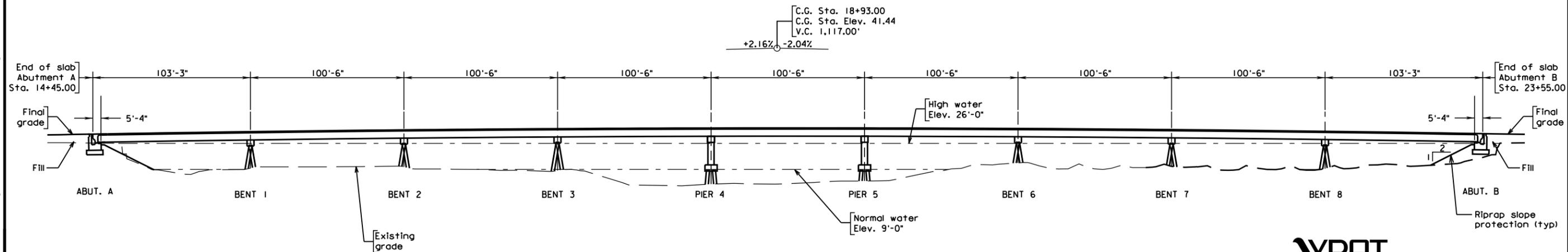
DESIGN EXCEPTION(S):

GENERAL NOTES:



TRANSVERSE SECTION

Scale: 1" = 1/4"



DEVELOPED SECTION ALONG CL

Scale: 1" = 1/32"



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

URS CORPORATION RICHMOND, VA STRUCTURAL ENGINEER	
PLANS BY:	CONSULTANT
COORDINATED:	
SUPERVISED:	JEH
DESIGNED:	JEH
DRAWN:	
CHECKED:	

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

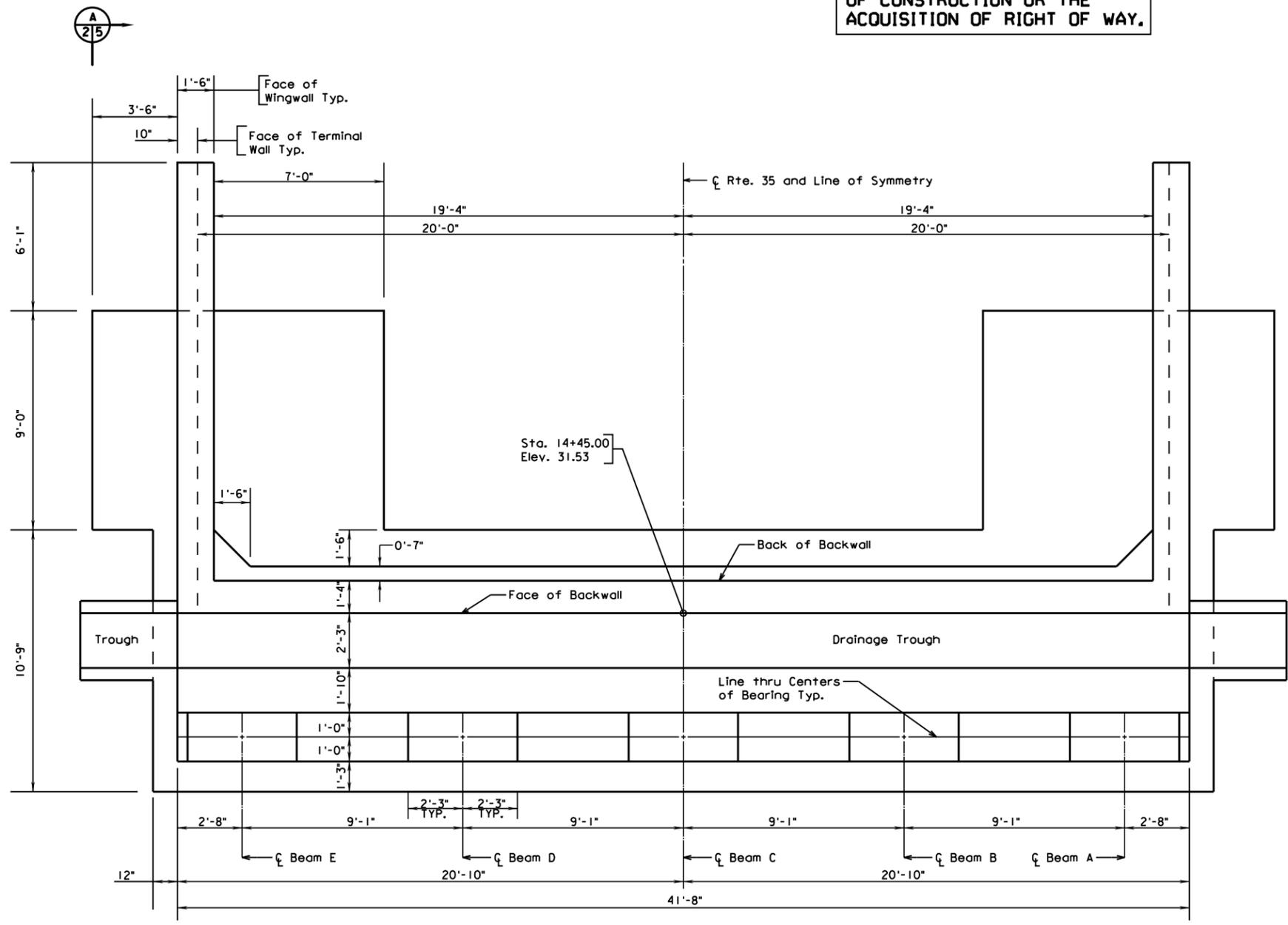
Recommended for Approval: \_\_\_\_\_  
State Structure and Bridge Engineer Date

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

Date: \_\_\_\_\_ © 2011, Commonwealth of Virginia Sheet 1 of

FHWA REGION	STATE	FEDERAL AID	STATE	SHEET
3	VA.	PROJECT	ROUTE	NO.
			36	0035-087-112, B604

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PLAN



URS CORPORATION  
RICHMOND, VA  
STRUCTURAL ENGINEER

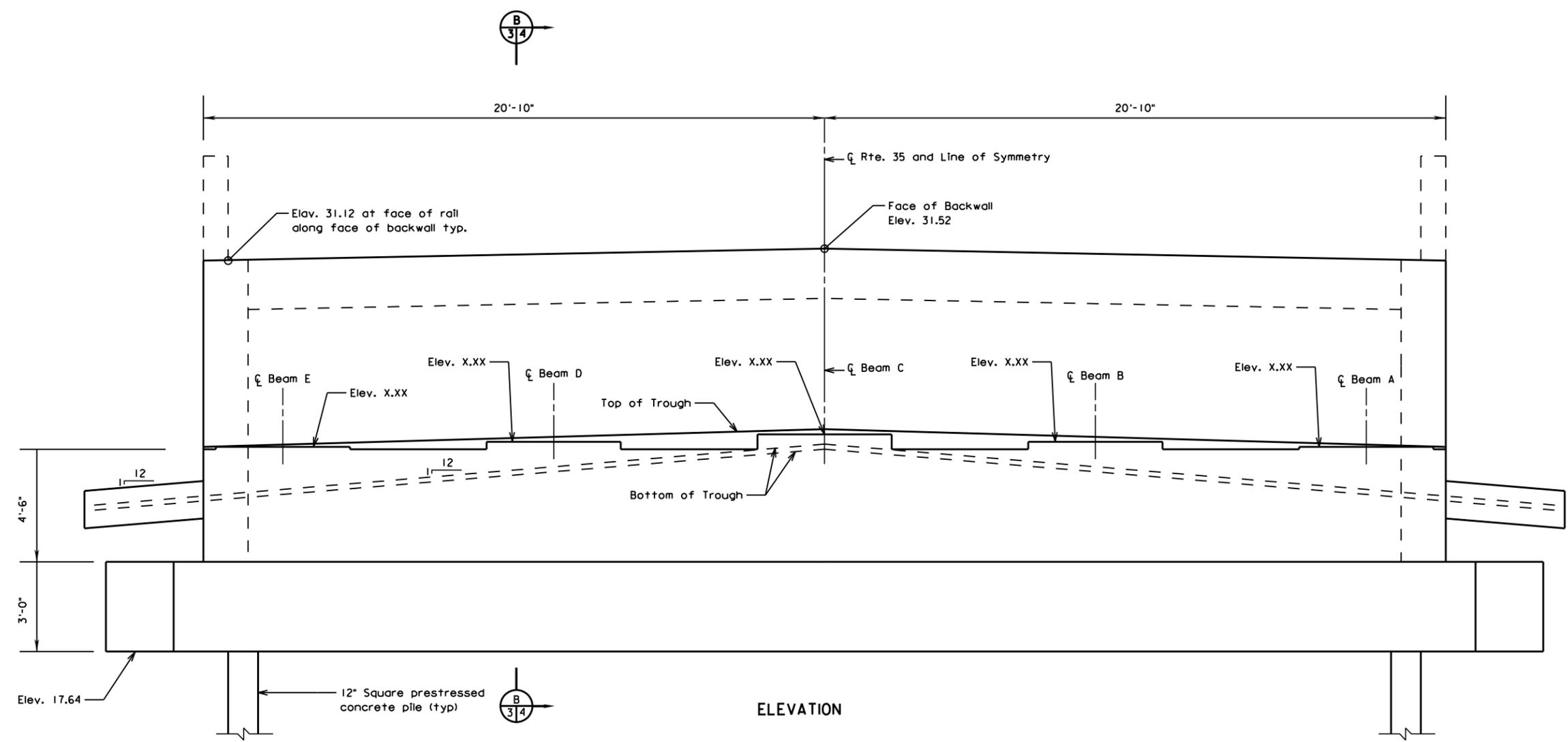
SCALE: 3/8" = 1'-0"

© 2009, Commonwealth of Virginia

COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION STRUCTURE AND BRIDGE DIVISION				
ABUTMENT A PLAN VIEW				
No.	Description	Date	Designed: JEH	Date
			Drawn: .....	Sept. 2013
			Checked: .....	
Revisions			Plan No.	Sheet No.
				2

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

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



ELEVATION

URS CORPORATION  
RICHMOND, VA  
STRUCTURAL ENGINEER

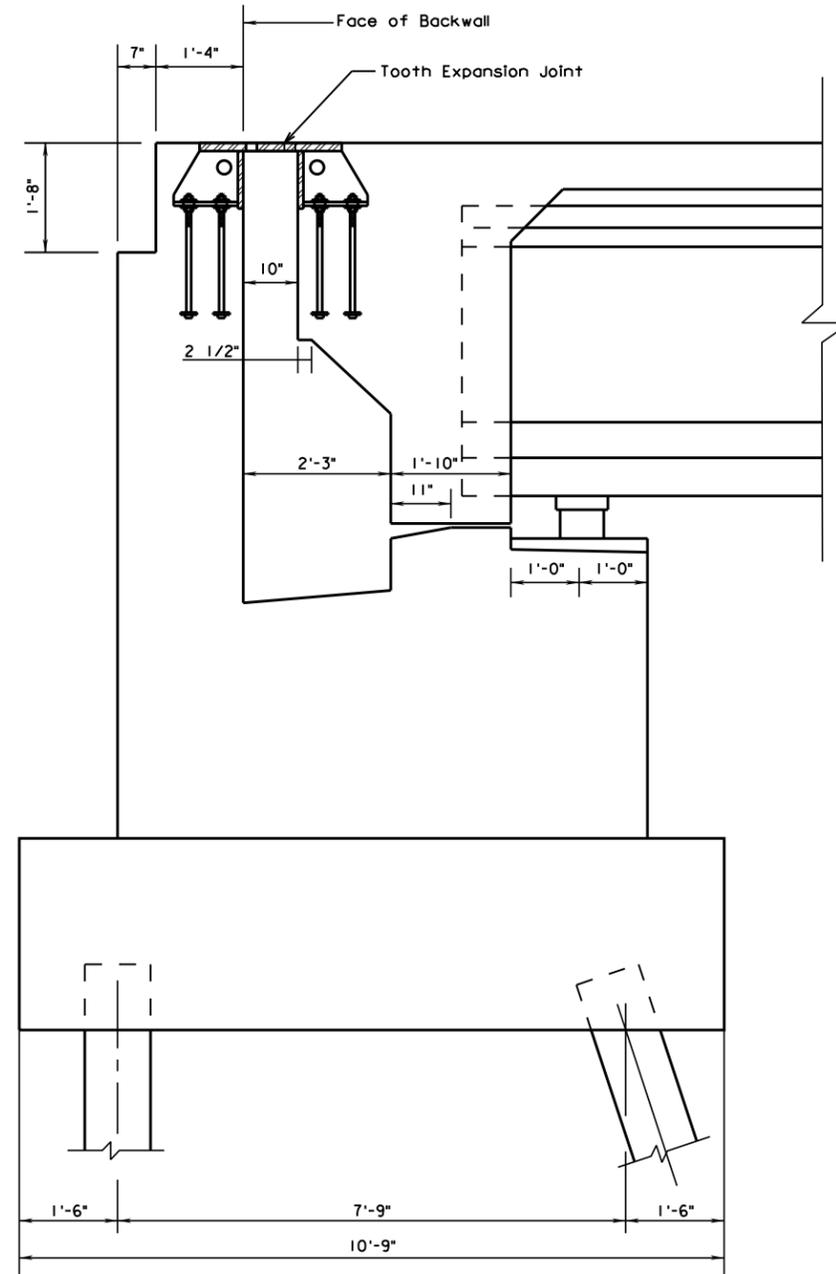
SCALE: 1/2" = 1'-0"

© 2009, Commonwealth of Virginia

COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION					
STRUCTURE AND BRIDGE DIVISION					
ABUTMENT A ELEVATION					
No.	Description	Date	Designed: VEH.....	Date	Plan No.
			Drawn: .....	Sept. 2013	
			Checked: .....		
Revisions					Sheet No. 3

FHWA REGION	STATE	ROUTE	FEDERAL AID		STATE		SHEET NO.
			PROJECT	ROUTE	PROJECT	ROUTE	
3	VA	—			36	0035-087-112, B604	

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SECTION B  
3/4

SCALE: 3/4" = 1'-0"

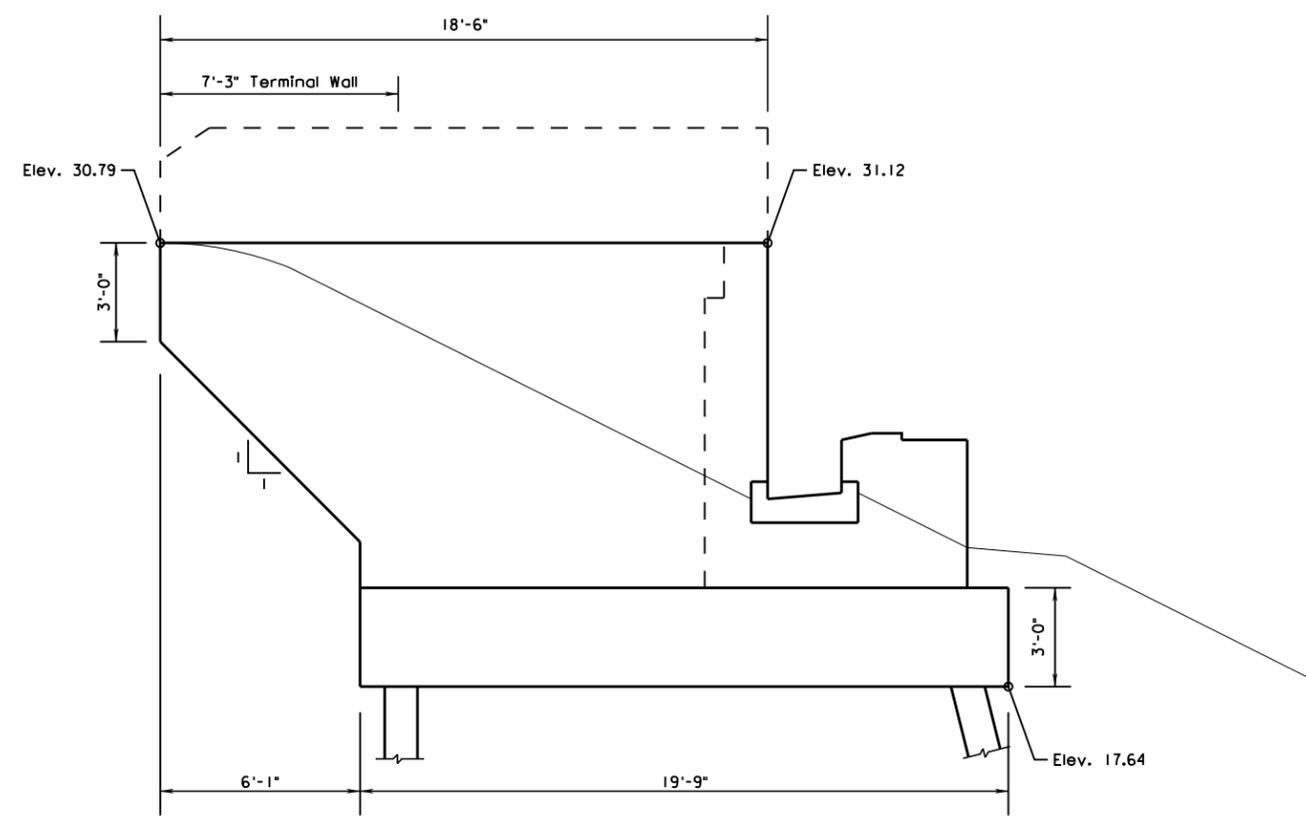
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URS CORPORATION  
RICHMOND, VA  
STRUCTURAL ENGINEER

COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION				
STRUCTURE AND BRIDGE DIVISION				
ABUTMENT SECTION				
No.	Description	Date	Designed: VEH..... Drawn: ..... Checked: .....	Date Sept. 2013
Revisions			Plan No.	Sheet No. 4

FHWA REGION	STATE	ROUTE	FEDERAL AID	STATE	ROUTE	STATE	SHEET NO.
			PROJECT	PROJECT		PROJECT	
3	VA				36	0035-087-112, B604	

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VIEW A  
215

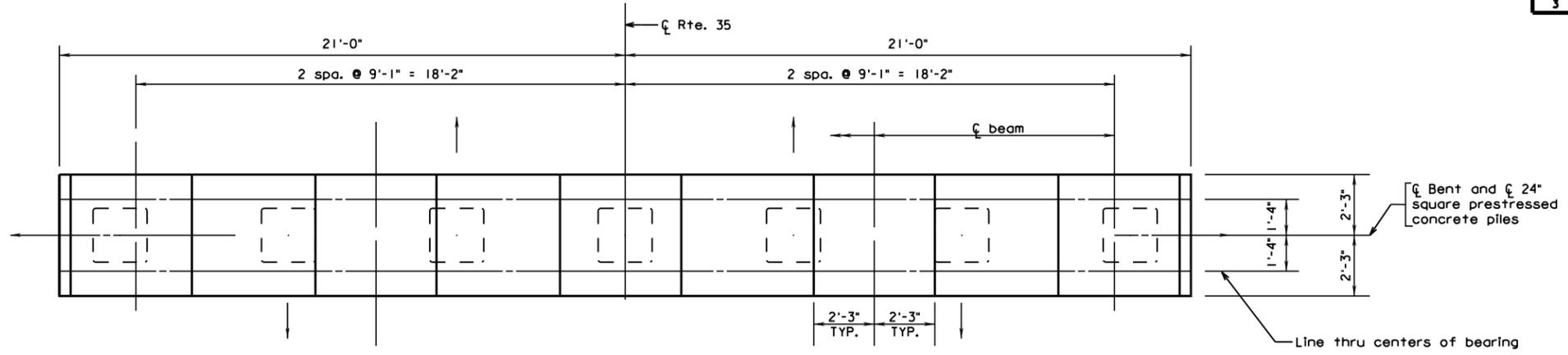
URS CORPORATION  
RICHMOND, VA  
STRUCTURAL ENGINEER

SCALE: 3/8" = 1'-0"

© 2009, Commonwealth of Virginia

COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION				
STRUCTURE AND BRIDGE DIVISION				
ABUTMENT A WINGWALL DETAIL				
No.	Description	Date	Designed: VEH.....	Date
			Drawn: .....	Sept. 2013
			Checked: .....	
Revisions			Plan No.	Sheet No.
				5

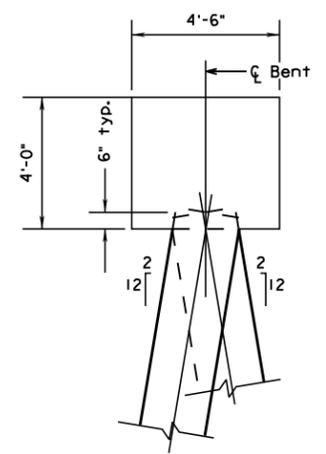
FHWA REGION	STATE	ROUTE	FEDERAL AID PROJECT	ROUTE	STATE PROJECT	SHEET NO.
3	VA			36	0035-087-112, 8604	



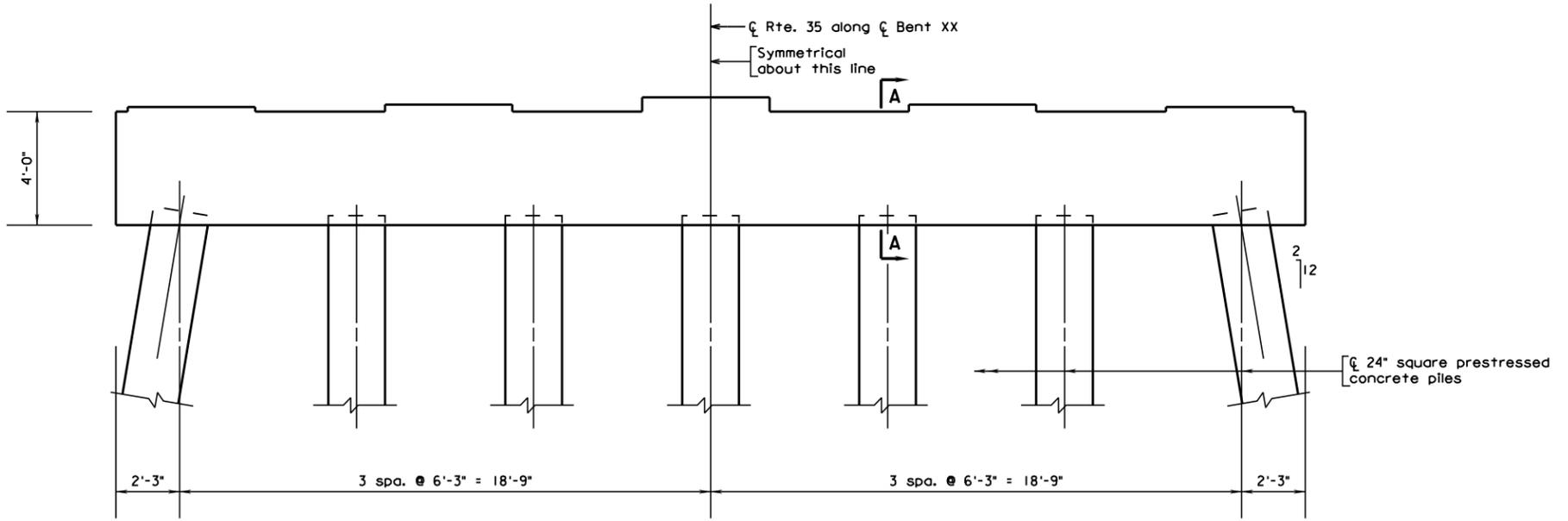
PLAN OF CAP

↓ Denotes direction of 2:12 pile batter

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



SECTION A-A



ELEVATION

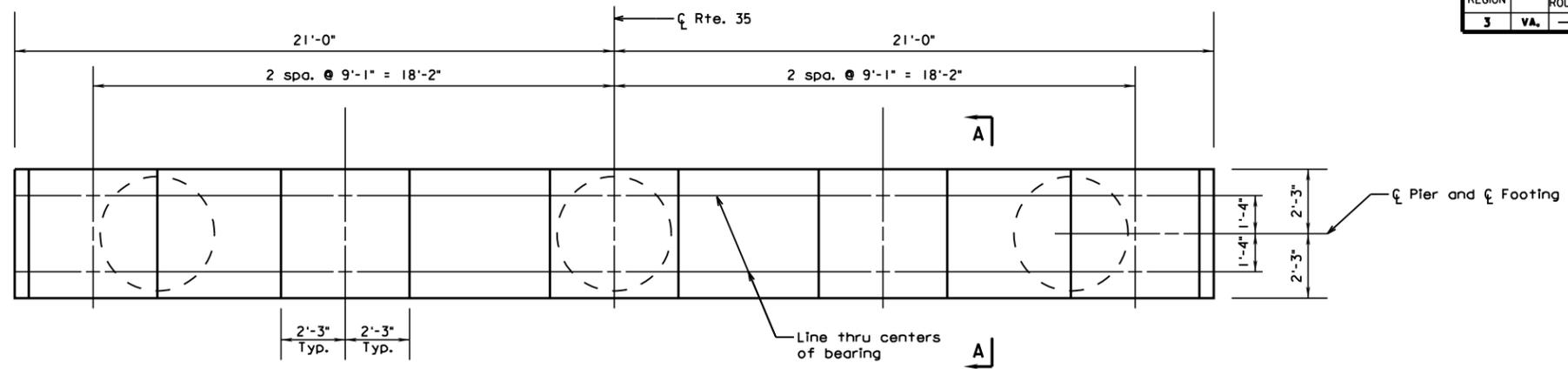
URS CORPORATION  
RICHMOND, VA  
STRUCTURAL ENGINEER

SCALE: 3/8" = 1'-0"

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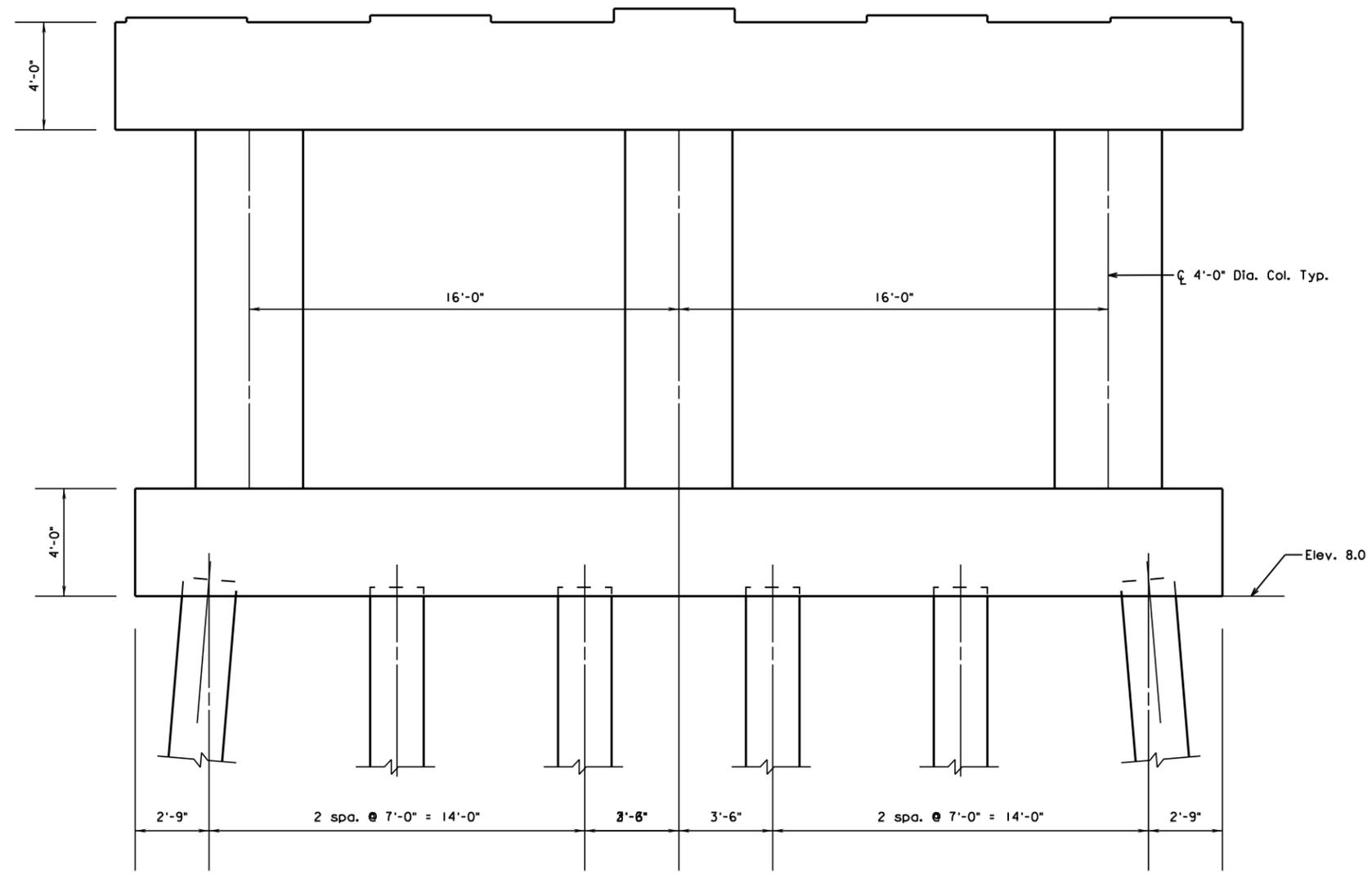
COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION				
STRUCTURE AND BRIDGE DIVISION				
PILE BENT: 1-3, 6-8				
No.	Description	Date	Designed: VEH.....	Date
			Drawn: .....	Sept. 2013
			Checked: .....	
Revisions			Plan No.	Sheet No.
				6

FHWA REGION	STATE	ROUTE	FEDERAL AID PROJECT	ROUTE	STATE PROJECT	SHEET NO.
3	VA			36	0035-087-112, B604	

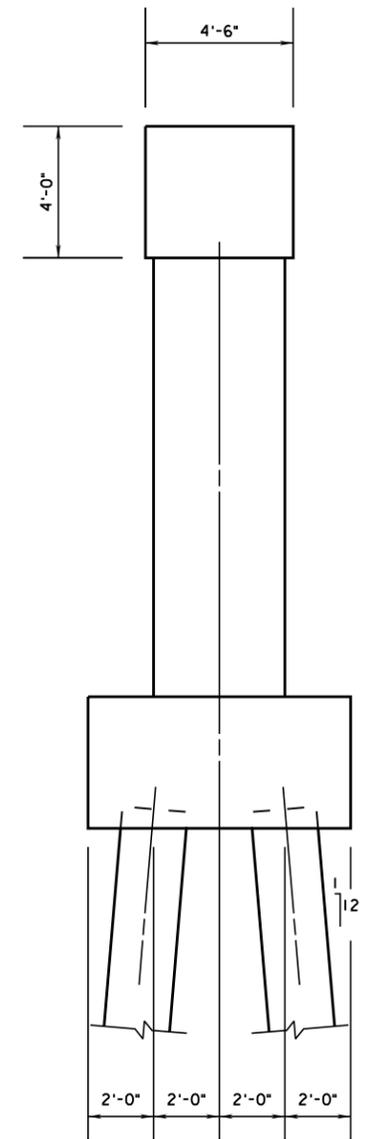


PLAN OF CAP

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ELEVATION



END VIEW

URS CORPORATION  
RICHMOND, VA  
STRUCTURAL ENGINEER

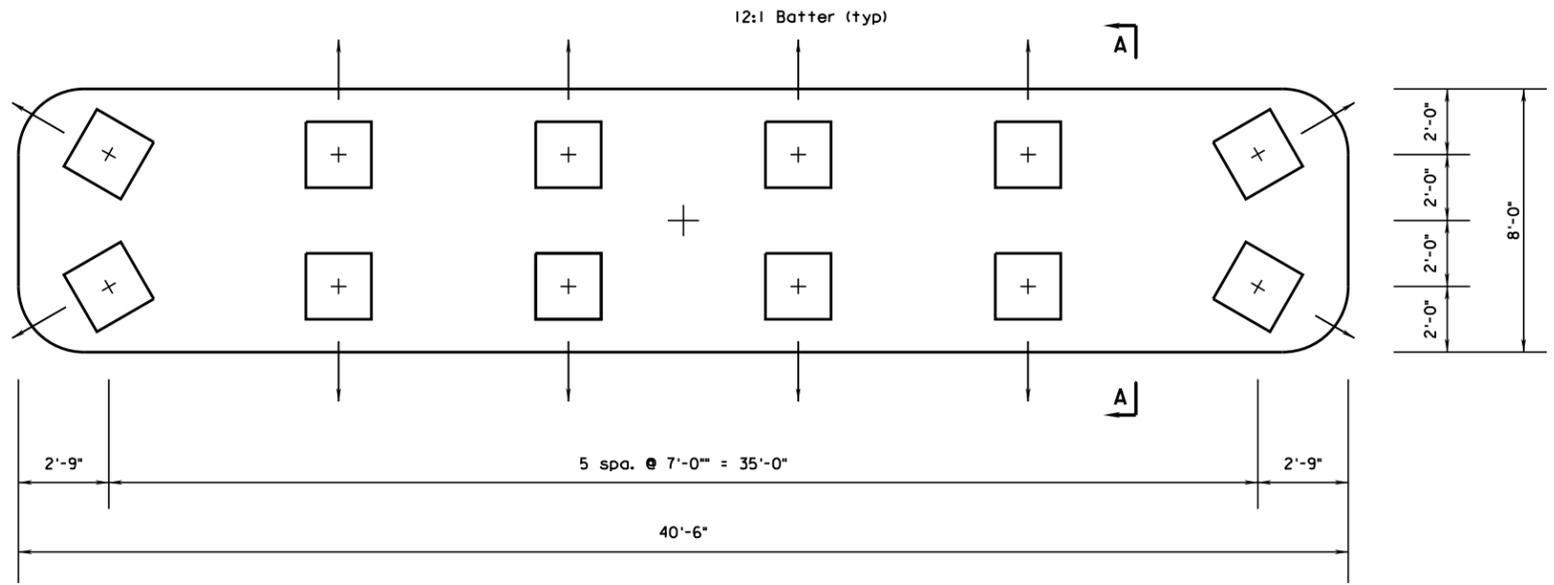
SCALE: 3/8" = 1'-0"

© 2009, Commonwealth of Virginia

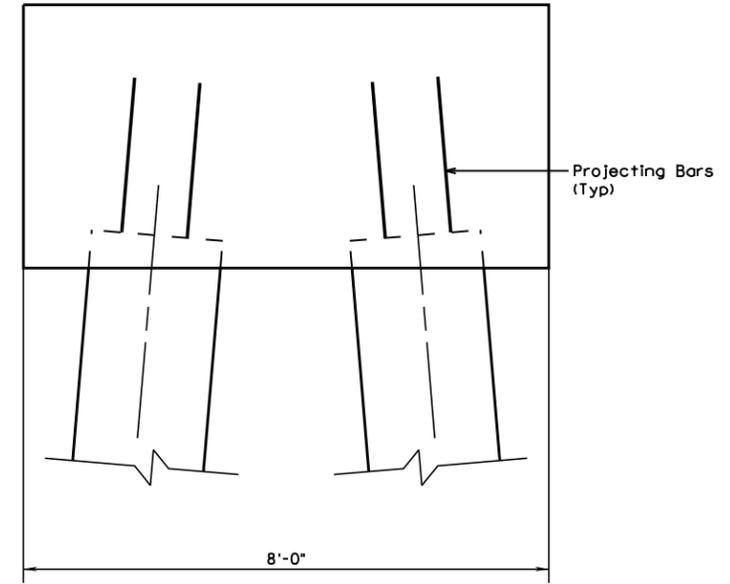
COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION					
STRUCTURE AND BRIDGE DIVISION					
PIERS 4 & 5					
No.	Description	Date	Designed: PHJ	Date	Plan No.
			Drawn: .....	Sept. 2013	
			Checked: .....		
Revisions					Sheet No. 7

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

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FOOTING PLAN  
SCALE: 3/8" = 1'-0"



SECTION A-A  
SCALE: 3/4" = 1'-0"

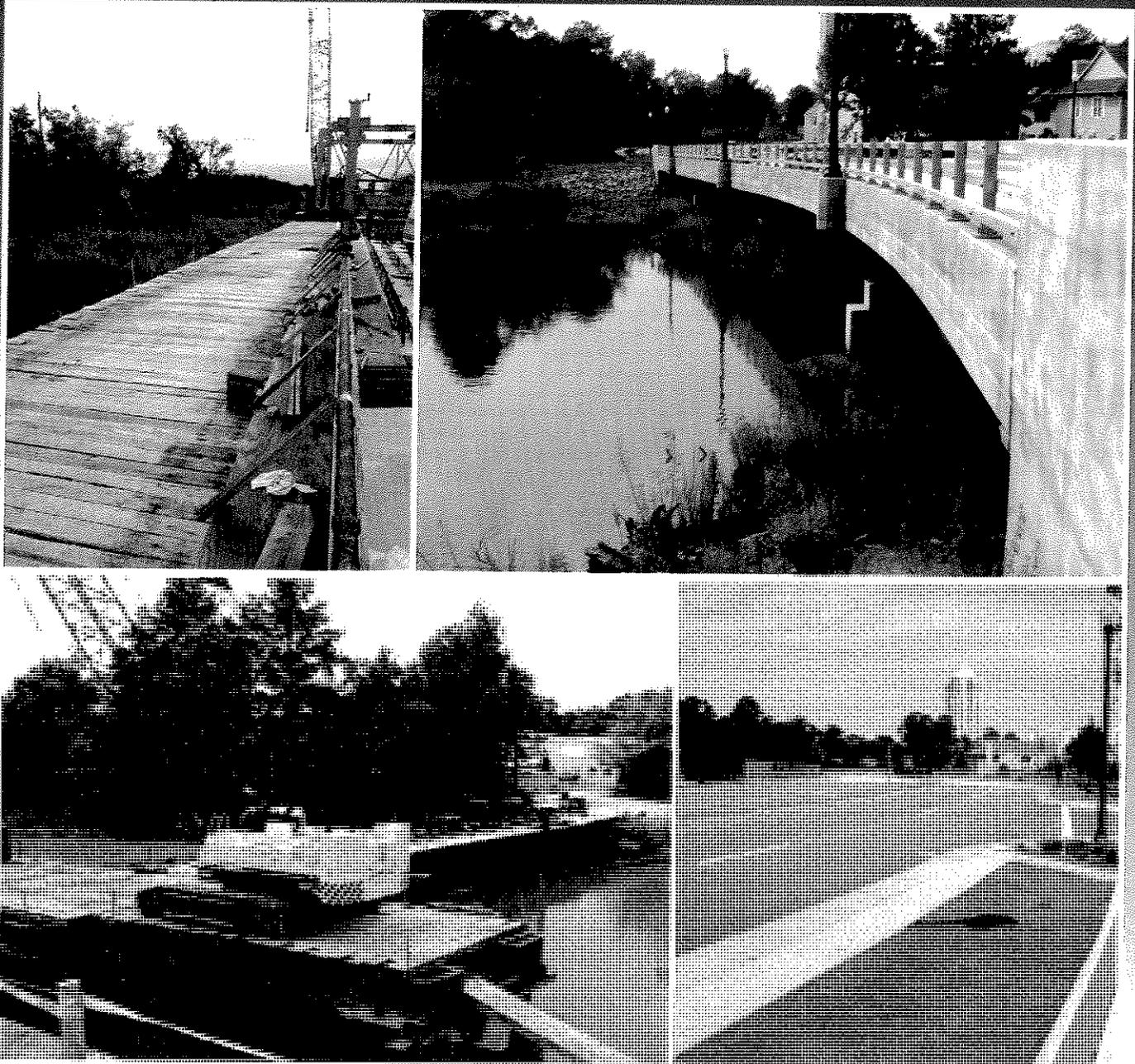
URS CORPORATION  
RICHMOND, VA  
STRUCTURAL ENGINEER

SCALE: 3/8" = 1'-0"

© 2009, Commonwealth of Virginia

COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION			
STRUCTURE AND BRIDGE DIVISION			
PIERS 4 & 5 FOOTING PLAN			
No.	Description	Date	Revisions
Designed: PHJ	Date	Plan No.	Sheet No.
Drawn: .....	Sept. 2013		8
Checked: .....			

# Route 35 Bridge Replacement Design-Build Price Proposal



Submitted by Waterfront Marine Construction, Inc - September 5, 2013

**Route 35 Bridge Replacement  
Design-Build Price Proposal**



**Design-Build  
Price Proposal Checklist**

Attachment 4.0.1.2

Submitted by Waterfront Marine Construction, Inc - September 5, 2013

**ATTACHMENT 4.0.1.2**

**DESIGN-BUILD PRICE PROPOSAL  
CHECKLIST**

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

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➤ **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**
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**Route 35 Bridge Replacement  
Design-Build Price Proposal**



**Cost Breakdown Summary  
in Whole Numbers and  
Proposal Price  
in Both Numbers and Words  
&  
Total Number of Bridge  
Closure Days (BCDs)  
in Both Words and Numbers**

Attachment 4.3.1

**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	\$ 830,000.00
Mobilization (Construction), LS	\$ 460,000.00
QA/QC (Construction), LS	\$ 565,000.00
Disinangle and Remove Existing Structure, LS	\$ 555,000.00
Earthwork, LS	\$ 140,000.00
Roadway Incidentals, LS	\$ 775,000.00
Bridge (Structures), LS	\$ 5,600,000.00
Drainage, LS	\$ 23,000.00
Utilities, LS	\$ 350,000.00
Environmental Permitting, LS	\$ 50,000.00
ROW Acquisition, LS	\$ 115,000.00
All Others Cost, LS	\$ 13,000.00

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): Nine Million Four hundred Seventy Six thousand and 00/100 dollars \$ 9,476,000.00

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

BCDs = THREE HUNDRED DAYS 300 days

Signature: *John W. Greene* Date: 9/11/2013  
JR. VICE President  
Design Builder: WATERFRONT MARINE CONSTRUCTION, INC.

Vendor No.: W140

**Route 35 Bridge Replacement  
Design-Build Price Proposal**



**Price Adjustment  
Information and Forms  
for Fuel, Asphalt and Steel, Including  
Identification of Pay Items and Associated  
Quantities Eligible for Adjustment**

Attachment 6.3

Submitted by Waterfront Marine Construction, Inc - September 5, 2013

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

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

June 30, 2011

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

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

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

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

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

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

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

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

I elect to use this provision

I elect not to use this provision

Date: 9-11-2013

Signature: John W. Greene, V.P.

Design-builder: Waterfront Marine Coast, Inc

Vendor No.: W140



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**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.virginia.gov/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: Sep. 11, 2013

Signature: John W. Leece, Sr. V.P.

Design-builder: Walworth Marine Const, Inc

Vendor No.: W140

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

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

June 30, 2011

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**FORM FOR PRICE ADJUSTMENT FOR ELIGIBLE STEEL ITEMS ON DESIGN-BUILD PROJECTS**

Must be supplied with Price Proposal for Department Participation

(All prices to be supported by project-specific quotes)

DATE FOR RECEIPT OF PRICE PROPOSAL SEP. 11 2013

**Note:** All prices (costs) are to include any surcharges on materials quoted. Vendors must include this surcharge with their cost. All prices (costs) are F.O.B. from the originating mill.

Item Number	Item Description	Quantity	Unit	Unit Price	Supplier	Date of Quote
<i>This provision will not be used</i>						

We/I, the undersigned, understand that by supplying prices for the steel items listed above and signing this form we are declaring our desire to apply the Special Provision For Steel Adjustment for Design-Build Projects to this Price Proposal and contract. The terms and conditions for participation are as stated in the Special Provision For Steel Adjustment for Design-Build Projects.

Waterfront Marine Const, Inc  
Design-Builder

9-11-2013  
Date

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

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Project bid on April 28, 2004.

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

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

\*free on board

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

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

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

Adjustment formula is as follows:

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

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

$$B = \$0.2816$$

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

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

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

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

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

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Project bid on April 28, 2004.

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

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

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

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

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

Adjustment formula is as follows:

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

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

$$B = \$0.2816$$

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

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

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

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

**MASTER LISTING**

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

March 18, 2009

BLS Series I. D.

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 ENCASMENT 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: Sep. 11, 2013

Signature: John W. Greene, Sr. V.P.

Design-Builder: Walfront Marine Const, Inc

Vendor No.: W140

**Route 35 Bridge Replacement  
Design-Build Price Proposal**



**Proposal Guaranty  
Required by Section 102.07 of Part 5,  
Division I Ammendments to the Standard  
Specifications**

C-24

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
PROPOSAL GUARANTY

KNOW ALL MEN BY THESE PRESENTS, THAT WE Waterfront Marine Construction, Inc. As  
Liberty Mutual Insurance Company and  
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: C00081457DB57  
Route 35 Bridge Replacement, Southampton County, VA

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.

Waterfront Marine Construction, Inc.  
(Principal\*)

By: John W. Greene  
(Officer, Partner or Owner) (Seal)

John W. Greene, Sr. Vice President  
(Principal\*)

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

\_\_\_\_\_  
(Principal\*)

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

Liberty Mutual Insurance Company  
(Surety Company)

By: Wendy A. Bright  
(Attorney-in-Fact\*\*) (Seal) Wendy A. Bright

Marsh USA Inc.  
Six PPG Place, Suite 400, Pittsburgh, PA 15222  
(Address)

By: Travelers Casualty and Surety Company of America  
(Surety Company)

Wendy A. Bright  
(Attorney-in-Fact\*\*) (Seal) Wendy A. Bright

Marsh USA Inc.  
By: Six PPG Place, Suite 400, Pittsburgh, PA 15222  
(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

**THIS POWER OF ATTORNEY IS NOT VALID UNLESS IT IS PRINTED ON RED BACKGROUND.**

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

Certificate No. 5949278

American Fire and Casualty Company  
The Ohio Casualty Insurance Company

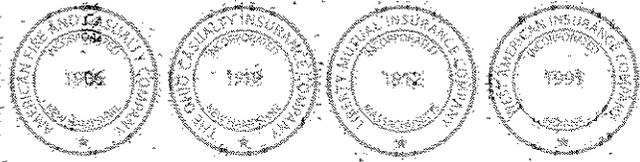
Liberty Mutual Insurance Company  
West American Insurance Company

**POWER OF ATTORNEY**

KNOWN ALL PERSONS BY THESE PRESENTS: That American Fire & Casualty Company and The Ohio Casualty Insurance Company are corporations duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, **CATHY H. HO; ELENA ZUNIC; JAMES M. GRIFFITH; LESLIE L. RUDAT; WENDY A. BRIGHT**

all of the city of PITTSBURGH, state of PA, each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 14th day of January, 2013



American Fire and Casualty Company  
The Ohio Casualty Insurance Company  
Liberty Mutual Insurance Company  
West American Insurance Company

By: Gregory W. Davenport  
Gregory W. Davenport, Assistant Secretary

STATE OF WASHINGTON ss:  
COUNTY OF KING

On this 14th day of January, 2013, before me personally appeared Gregory W. Davenport, who acknowledged himself to be the Assistant Secretary of American Fire and Casualty Company, Liberty Mutual Insurance Company, The Ohio Casualty Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute 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 have hereunto subscribed my name and affixed my notarial seal at Seattle, Washington, on the day and year first above written.



By: KD Riley  
KD Riley, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of American Fire and Casualty Company, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

**ARTICLE IV - OFFICERS - Section 12. Power of Attorney.** Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

**ARTICLE XIII - Execution of Contracts - SECTION 5. Surety Bonds and Undertakings.** Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

**Certificate of Designation -** The President of the Company, acting pursuant to the Bylaws of the Company, authorizes Gregory W. Davenport, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

**Authorization -** By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, David M. Carey, the undersigned, Assistant Secretary, of American Fire and Casualty Company, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, 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 11th day of SEPTEMBER, 2013.



By: David M. Carey  
David M. Carey, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, bank deposit, currency rate, interest rate or residual value guarantees.

To confirm the validity of this Power of Attorney call 1-610-832-8240 between 9:00 am and 4:30 pm EST on any business day.



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. 226054

Certificate No. 005337644

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

Leslie L. Rudat, Elena Zunic, Wendy A. Bright, James M. Griffith, and Cathy H. Ho

of the City of Pittsburgh, State of Pennsylvania, 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 17th day of January, 2013.

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 17th day of January, 2013, 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

# Route 35 Bridge Replacement Design-Build Price Proposal



## Sworn Statement Forms

C-104

C-105

Attachment 4.3.4(a)

Attachment 4.3.4(b)

**COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION**

PROJECT:

FHWA:

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 Virginia Beach, this 11th day of September, 20 13

County (City), STATE

Waterfront Marine Construction, Inc.  
(Name of Firm)

By: John W. Greene Sr. Vice President  
(Signature) Title (print)

STATE of Virginia

COUNTY (CITY) of Virginia Beach

To-wit:

I Carroll L. Moore, III, a Notary Public in and for the State and County(City) aforesaid, hereby certify that this day John W. Greene, Sr. 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

Carroll L. Moore, III  
Notary Public

My Commission expires October 31, 2013

OR My Registration # is 196801

**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

By: \_\_\_\_\_  
(Name of Firm) (Signature) Title (print)

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
AFFIDAVIT

PROJECT: (NFO)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
Virginia Transportation Constructors	620 Moorefield Park Drive, Suite 120, Richmond, VA
_____	_____
_____	_____

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 Virginia Beach, Virginia , this 11<sup>th</sup> day of September , 20 13  
County (City), STATE

Waterfront Marine Construction, Inc.  
(Name of Firm)

By: John W. Greene Sr. Vice President  
(Signature) Title (print)

STATE of Virginia

COUNTY (CITY) of Virginia Beach

To-wit:

I Carroll L. Moore, III , a Notary Public in and for the State and County(City) aforesaid, hereby certify that this day John W. Greene, Sr. 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

Carroll L. Moore, III  
Notary Public My Commission expires October 31, 2013  
My Registration # 196801

# Route 35 Bridge Replacement Design-Build Price Proposal



## DBE Requirements Forms

C-111

C-49

C-112

Attachment 4.3.5(a)

Attachment 4.3.5(b)

Attachment 4.3.5(c)



COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
**DBE GOOD FAITH EFFORTS DOCUMENTATION**

**--DO NOT DETACH--**

**THIS INFORMATION MUST BE SUBMITTED  
WITH YOUR BID PROPOSAL IF YOUR BID DOES  
NOT MEET THE PROJECT DBE REQUIREMENTS,  
OR  
WHEN REQUESTED BY VDOT**

CONTRACT I.D. NUMBER C00081457DB57  
PROJECT NUMBER 0035-087-112  
FHWA NUMBER BR-087-5(014)  
DISTRICT Hampton Roads  
DATE BID SUBMITTED September 11, 2013  
BIDDER'S NAME Waterfront marine Construction, inc.  
SIGNATURE \_\_\_\_\_  
TITLE Sr. Vice President  
VENDOR NUMBER W140  
DBE GOAL FROM BID PROPOSAL 12%

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
**DBE GOOD FAITH EFFORTS DOCUMENTATION**

CONTRACT I.D. NO. \_\_\_\_\_ DATE SUBMITTED \_\_\_\_\_

IF THE DBE GOAL ESTABLISHED FOR THIS CONTRACT HAS NOT BEEN MET OR VDOT REQUESTS THE SUBMITTAL THEREOF, THE BIDDER IS REQUIRED TO SUBMIT GOOD FAITH EFFORTS AS OUTLINED IN THIS DOCUMENT.

THE BIDDER ACKNOWLEDGES AND CERTIFIES THAT THIS FORM ACCURATELY REPRESENTS THE INFORMATION CONTAINED HEREIN.

BIDDER \_\_\_\_\_ SIGNATURE \_\_\_\_\_

TITLE \_\_\_\_\_

NAMES OF CERTIFIED DBEs AND THE DATES ON WHICH THEY WERE SOLICITED TO BID ON THIS PROJECT

INCLUDE THE ITEMS OF WORK OFFERED AND THE DATES AND METHODS USED FOR FOLLOWING UP INITIAL SOLICITATIONS TO DETERMINE WHETHER OR NOT DBEs WERE INTERESTED.

NAMES AND VENDOR NUMBERS OF DBEs SOLICITED	DATE OF INITIAL SOLICITATION	ITEM(S) OF WORK	FOLLOW-UP METHODS AND DATES

**NOTE:** ATTACH ADDITIONAL PAGES IF NECESSARY

ATTACH COPIES OF SOLICITATIONS, TELEPHONE RECORDS, FAX CONFIRMATIONS, ELECTRONIC INFORMATION, ETC.

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
DBE GOOD FAITH EFFORTS DOCUMENTATION

CONTRACT I.D. NO. \_\_\_\_\_ DATE SUBMITTED \_\_\_\_\_

IF THE DBE GOAL ESTABLISHED FOR THIS CONTRACT HAS NOT BEEN MET OR VDOT REQUESTS THE SUBMITTAL THEREOF, THE BIDDER IS REQUIRED TO SUBMIT GOOD FAITH EFFORTS AS OUTLINED IN THIS DOCUMENT.

THE BIDDER ACKNOWLEDGES AND CERTIFIES THAT THIS FORM ACCURATELY REPRESENTS THE INFORMATION CONTAINED HEREIN.

BIDDER \_\_\_\_\_ SIGNATURE \_\_\_\_\_

TITLE \_\_\_\_\_

TELEPHONE LOG

DBE(s) CALLED	TELEPHONE NUMBER	DATE CALLED	TIME CALLED	CONTACT PERSON OR VOICE MAIL STATUS

NOTE: ATTACH ADDITIONAL PAGES IF NECESSARY

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
**DBE GOOD FAITH EFFORTS DOCUMENTATION**

CONTRACT I.D. NO. \_\_\_\_\_ DATE SUBMITTED \_\_\_\_\_

IF THE DBE GOAL ESTABLISHED FOR THIS CONTRACT HAS NOT BEEN MET OR VDOT REQUESTS THE SUBMITTAL THEREOF, THE BIDDER IS REQUIRED TO SUBMIT GOOD FAITH EFFORTS AS OUTLINED IN THIS DOCUMENT.

THE BIDDER ACKNOWLEDGES AND CERTIFIES THAT THIS FORM ACCURATELY REPRESENTS THE INFORMATION CONTAINED HEREIN.

BIDDER \_\_\_\_\_ SIGNATURE \_\_\_\_\_  
TITLE \_\_\_\_\_

**ITEM(S) OF WORK THAT THE BIDDER MADE AVAILABLE TO DBE FIRMS**

IDENTIFY THOSE ITEM(S) OF WORK THAT THE BIDDER MADE AVAILABLE TO DBE FIRMS OR THOSE ITEM(S) THE BIDDER IDENTIFIED AND DETERMINED TO SUBDIVIDE INTO ECONOMICALLY FEASIBLE UNITS TO FACILITATE DBE PARTICIPATION. FOR EACH ITEM LISTED, SHOW THE DOLLAR VALUE AND PERCENTAGE OF THE TOTAL CONTRACT AMOUNT. IT IS THE BIDDER'S RESPONSIBILITY TO DEMONSTRATE THAT SUFFICIENT WORK TO MEET THE GOAL WAS MADE AVAILABLE TO DBE FIRMS.

ITEM(S) OF WORK MADE AVAILABLE	BIDDER NORMALLY PERFORMS ITEM(S) (Y/N)	ITEM(S) BROKEN DOWN TO FACILITATE PARTICIPATION (Y/N)	AMOUNT IN DOLLARS	PERCENTAGE OF CONTRACT

**NOTE: INFORMATION REQUIRED FOR THIS SECTION CONTINUED ON SHEET 5  
ATTACH ADDITIONAL PAGES IF NECESSARY**

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
**DBE GOOD FAITH EFFORTS DOCUMENTATION**

CONTRACT I.D. NO. \_\_\_\_\_ DATE SUBMITTED \_\_\_\_\_

IF THE DBE GOAL ESTABLISHED FOR THIS CONTRACT HAS NOT BEEN MET OR VDOT REQUESTS THE SUBMITTAL THEREOF, THE BIDDER IS REQUIRED TO SUBMIT GOOD FAITH EFFORTS AS OUTLINED IN THIS DOCUMENT.

THE BIDDER ACKNOWLEDGES AND CERTIFIES THAT THIS FORM ACCURATELY REPRESENTS THE INFORMATION CONTAINED HEREIN.

BIDDER \_\_\_\_\_ SIGNATURE \_\_\_\_\_

TITLE \_\_\_\_\_

**ADDITIONAL INFORMATION REGARDING ITEM(S) OF WORK THAT THE BIDDER MADE AVAILABLE TO DBE FIRMS** (Continued From Sheet 4)

ITEM(S) OF WORK MADE AVAILABLE, NAMES OF SELECTED FIRMS AND DBE STATUS, DBEs THAT PROVIDED QUOTES, PRICE QUOTE FOR EACH FIRM, AND THE PRICE DIFFERENCE FOR EACH DBE IF THE SELECTED FIRM IS NOT A DBE.

ITEM(S) OF WORK MADE AVAILABLE(CONT.)	NAME OF SELECTED FIRM AND VENDOR NUMBER	DBE OR NON-DBE	NAME OF REJECTED FIRM(S)	QUOTE IN DOLLARS	PRICE DIFFERENCE IN DOLLARS

**NOTE: ATTACH ADDITIONAL PAGES IF NECESSARY.**

IF THE FIRM SELECTED FOR THE ITEM IS NOT A DBE, PROVIDE THE REASON(S) FOR THE SELECTION ON A SEPARATE PAGE AND ATTACH.

PROVIDE NAMES, ADDRESSES, AND TELEPHONE NUMBERS FOR THE FIRMS LISTED ABOVE.

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
DBE GOOD FAITH EFFORTS DOCUMENTATION

CONTRACT I.D. NO. \_\_\_\_\_ DATE SUBMITTED \_\_\_\_\_

IF THE DBE GOAL ESTABLISHED FOR THIS CONTRACT HAS NOT BEEN MET OR VDOT REQUESTS THE SUBMITTAL THEREOF, THE BIDDER IS REQUIRED TO SUBMIT GOOD FAITH EFFORTS AS OUTLINED IN THIS DOCUMENT.

THE BIDDER ACKNOWLEDGES AND CERTIFIES THAT THIS FORM ACCURATELY REPRESENTS THE INFORMATION CONTAINED HEREIN.

BIDDER \_\_\_\_\_ SIGNATURE \_\_\_\_\_

TITLE 0035-087-112, PE-101, RW-201, C-501, B-604 \_\_\_\_\_

**ADVERTISEMENTS OR PROOFS OF PUBLICATION.**

NAMES AND DATES OF EACH PUBLICATION IN WHICH A REQUEST FOR DBE PARTICIPATION FOR THE PROJECT WAS PLACED BY THE BIDDER. ATTACH COPIES OF PUBLISHED ADVERTISEMENTS OR PROOFS OF PUBLICATION.

PUBLICATIONS	DATES OF ADVERTISEMENT

**NOTE: ATTACH ADDITIONAL PAGES IF NECESSARY**

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
DBE GOOD FAITH EFFORTS DOCUMENTATION

CONTRACT I.D. NO. \_\_\_\_\_ DATE SUBMITTED \_\_\_\_\_

IF THE DBE GOAL ESTABLISHED FOR THIS CONTRACT HAS NOT BEEN MET OR VDOT REQUESTS THE SUBMITTAL THEREOF, THE BIDDER IS REQUIRED TO SUBMIT GOOD FAITH EFFORTS AS OUTLINED IN THIS DOCUMENT.

THE BIDDER ACKNOWLEDGES AND CERTIFIES THAT THIS FORM ACCURATELY REPRESENTS THE INFORMATION CONTAINED HEREIN.

BIDDER \_\_\_\_\_ SIGNATURE \_\_\_\_\_  
TITLE BR-087-5(014) \_\_\_\_\_

**NAMES OF AGENCIES CONTACTED TO PROVIDE ASSISTANCE**

NAMES OF AGENCIES (SEE SPECIAL PROVISION FOR 107.15) AND THE DATES THESE AGENCIES WERE CONTACTED TO PROVIDE ASSISTANCE IN CONTACTING, RECRUITING, AND USING DBE FIRMS. IF THE AGENCIES WERE CONTACTED IN WRITING, ATTACH COPIES OF SUPPORTING DOCUMENTS.

NAME OF AGENCY	METHOD AND DATE OF CONTACT	RESULTS

NOTE: ATTACH ADDITIONAL PAGES IF NECESSARY.

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
DBE GOOD FAITH EFFORTS DOCUMENTATION

CONTRACT I.D. NO. \_\_\_\_\_ DATE SUBMITTED \_\_\_\_\_

IF THE DBE GOAL ESTABLISHED FOR THIS CONTRACT HAS NOT BEEN MET OR VDOT REQUESTS THE SUBMITTAL THEREOF, THE BIDDER IS REQUIRED TO SUBMIT GOOD FAITH EFFORTS AS OUTLINED IN THIS DOCUMENT.

THE BIDDER ACKNOWLEDGES AND CERTIFIES THAT THIS FORM ACCURATELY REPRESENTS THE INFORMATION CONTAINED HEREIN.

BIDDER \_\_\_\_\_ SIGNATURE \_\_\_\_\_

TITLE \_\_\_\_\_

**TECHNICAL ASSISTANCE AND INFORMATION PROVIDED TO DBEs**

EFFORTS MADE TO PROVIDE INTERESTED DBEs WITH ADEQUATE INFORMATION ABOUT THE PLANS, SPECIFICATIONS, AND REQUIREMENTS OF THE BID DOCUMENTS TO ASSIST THE DBEs IN RESPONDING TO A SOLICITATION.

IDENTIFY THE DBEs ASSISTED, THE INFORMATION PROVIDED, AND THE DATE OF CONTACT. ATTACH COPIES OF SUPPORTING DOCUMENTS.

DBEs ASSISTED	INFORMATION PROVIDED	DATE OF CONTACT

NOTE: ATTACH ADDITIONAL PAGES IF NECESSARY.

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
**DBE GOOD FAITH EFFORTS DOCUMENTATION**

CONTRACT I.D. NO. \_\_\_\_\_ DATE SUBMITTED \_\_\_\_\_

IF THE DBE GOAL ESTABLISHED FOR THIS CONTRACT HAS NOT BEEN MET OR VDOT REQUESTS THE SUBMITTAL THEREOF, THE BIDDER IS REQUIRED TO SUBMIT GOOD FAITH EFFORTS AS OUTLINED IN THIS DOCUMENT.

THE BIDDER ACKNOWLEDGES AND CERTIFIES THAT THIS FORM ACCURATELY REPRESENTS THE INFORMATION CONTAINED HEREIN.

BIDDER \_\_\_\_\_ SIGNATURE \_\_\_\_\_

TITLE \_\_\_\_\_

**EFFORTS MADE TO ASSIST DBEs OBTAIN BONDING, LINES OF CREDIT, INSURANCE, ETC.**

EFFORTS MADE TO PROVIDE INTERESTED DBEs IN OBTAINING BONDING, LINES OF CREDIT, INSURANCE, NECESSARY EQUIPMENT, SUPPLIES, MATERIALS, OR RELATED ASSISTANCE OR SERVICES, EXCLUDING SUPPLIES AND EQUIPMENT THE SUBCONTRACTOR PURCHASES OR LEASES FROM THE PRIME CONTRACTOR OR ITS AFFILIATES.

IDENTIFY THE DBEs ASSISTED, THE ASSISTANCE OFFERED, AND THE DATES OF SERVICES OFFERED AND PROVIDED. ATTACH COPIES OF SUPPORTING DOCUMENTS.

DBEs ASSISTED	ASSISTANCE OFFERED	DATES SERVICES OFFERED AND/OR PROVIDED

**NOTE:** ATTACH ADDITIONAL PAGES IF NECESSARY.

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
**DBE GOOD FAITH EFFORTS DOCUMENTATION**

CONTRACT I.D. NO. \_\_\_\_\_ DATE SUBMITTED \_\_\_\_\_

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THE BIDDER ACKNOWLEDGES AND CERTIFIES THAT THIS FORM ACCURATELY REPRESENTS THE INFORMATION CONTAINED HEREIN.

BIDDER \_\_\_\_\_ SIGNATURE \_\_\_\_\_

TITLE \_\_\_\_\_

**ADDITIONAL DATA TO SUPPORT DEMONSTRATION OF GOOD FAITH EFFORTS**

ADDITIONAL DATA TO SUPPORT DEMONSTRATION OF GOOD FAITH EFFORTS

**NOTE: ATTACH ADDITIONAL PAGES, IF NECESSARY**

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 Waterfront Marine Construction, Inc.

By: John W. Greene Signature Sr. Vice President Title

Date: 9/11/2013

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

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
CERTIFICATION OF BINDING AGREEMENT  
WITH

DISADVANTAGED BUSINESS ENTERPRISE FIRMS

Project No.: (NFO) 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.

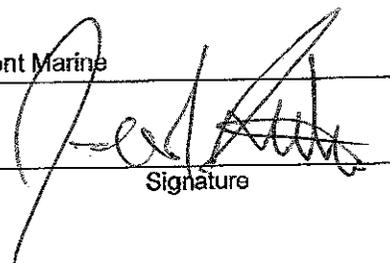
It is hereby certified by the below signed Contractors that there exists a written quote, acceptable to the parties involved preliminary to a binding subcontract agreement stating the details concerning the work to be performed and the price which will be paid for the aforementioned work. This document 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 Waterfront Marine  
By:  Signature  
Date: 9/11/2013 Title: PRESIDENT

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

Bryant-Ritter Electric Corporation  
\_\_\_\_\_

By: Justin B. Ritter  
Signature Title

Date: 9/10/2013

# **Route 35 Bridge Replacement Design-Build Price Proposal**



## **CD-ROM Containing the Entire Price Proposal in a Single Cohesive Adobe PDF File**

Submitted by Waterfront Marine Construction, Inc - September 5, 2013

# Route 35 Bridge Replacement Post Notice of Intent to Award Submittals



Submitted by Waterfront Marine Construction, Inc - September 23, 2013

**Route 35 Bridge Replacement**  
**Post Notice of Intent to Award Submittals**



**Organizational Chart**

Section 4.4.1

#### **4.4.1 Organization Narrative, Chain of Command and Organization Charts**

##### **Organization Narrative:**

We have assembled an experienced Team that will develop processes and procedures for joining together each of the members of the design and construction forces to communicate and work effectively together. We will hold weekly Design Coordination Meetings, regular progress meetings with VDOT and weekly Construction Progress Meetings on the jobsite once construction has commenced.

Decision making and issue resolution will reside at the lowest, most direct level on the Waterfront / URS Team to assist in making the fastest response and to minimize disruptions to the project, the public and all stakeholders. Should an issue not be able to be resolved then it will go up the chain of command to the next level, and so on, until the issue is resolved. This chain of command will be established at the very beginning of the project and will be conveyed to all project members.

The chain of command for the project team is as follows. The Waterfront Marine Team's Organizational Chart along with the organizational chart for URS's design team follows the chain of command narrative.

##### **Chain of Command:**

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

***VDOT:*** VDOT will maintain oversight responsibility for all aspects of the Project to ensure compliance with Contract Documents and to take final acceptance when complete. VDOT will be an active participant with the project team and all other stakeholders involved.

***\*Design-Build Project Manager (John Greene):*** The Design-Build Project Manager (D-B PM) will have final authority over all aspects of the Waterfront Marine Team's responsibilities. The D-B PM will be the primary point of contact with VDOT and is responsible for contract management, coordinating and integrating the design, construction, QA/QC, right-of-way, utilities, permitting, and safety aspects of the project. The D/B PM will support the teams' and VDOT's efforts to communicate with third-party stakeholders.

***\*Quality Assurance Manager (Duncan Stewart, P.E.):*** The Quality Assurance Manager (QAM) reports directly to the D/B PM and is completely independent from the construction operations and QC inspections. The QAM has full responsibility for assuring the Project is in compliance with the Contract Documents, will manage all aspects of the QA program, and will direct the QA inspections by the QA inspector and independent QA testing technicians from MBP. The QAM has the authority to report findings directly to VDOT in addition to the D/B PM, and if the work is not in compliance with the Contract Documents has the authority to halt or suspend any and all work. The QAM has the responsibility to assure corrective action is taken before work is accepted and certified for payment.

***\*Design Manager (Joseph Hardee, Jr., PE):*** The Design Manager reports to the D/B PM and is responsible for managing all aspects of the design process including roadway, structural, hydraulic, permitting, traffic, and geotechnical. The Design Manager role is critically important in joining the assorted design disciplines with the construction, right-of-way, utility, and safety elements. The Design Manager will also establish and oversee the Design QA/QC program. The Design Manager will ensure that the design QA and QC functions shall be exclusively designated as such and shall not be assigned to perform conflicting duties or production work, as outlined in the updated version (January 2012) of the ***Minimum Requirements for Quality Assurance and Quality Control on Design-Build and P3 Projects.***

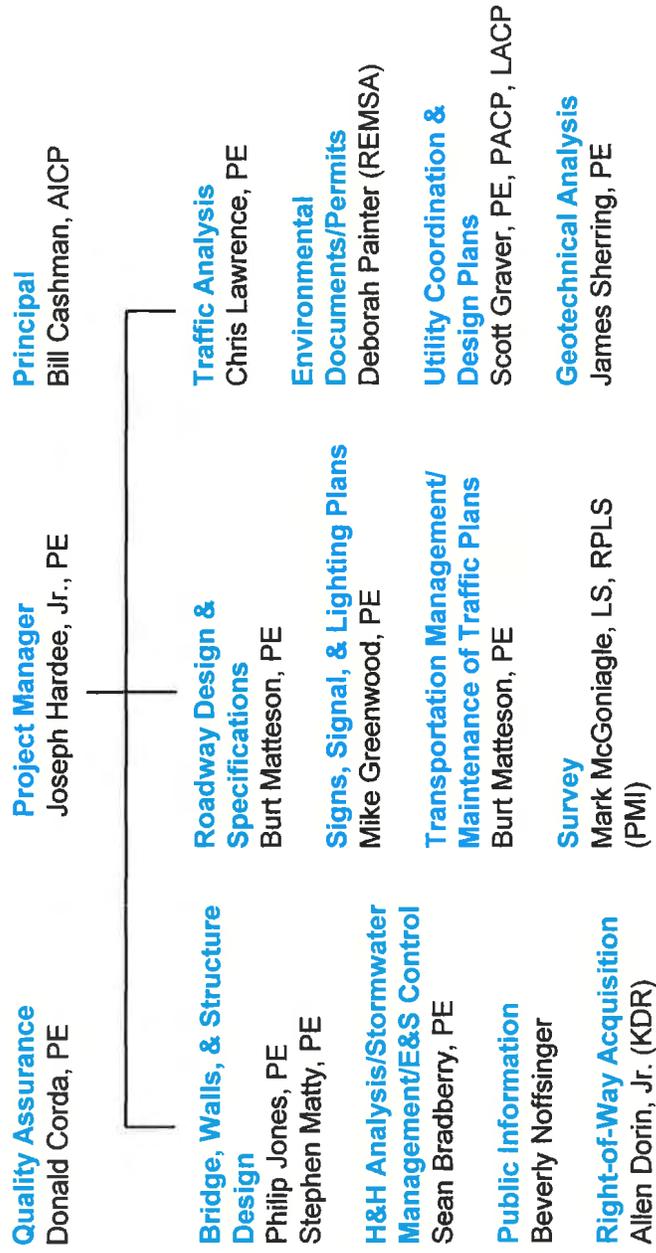
***\*Construction Manager (Ronnie Rouse, P.E.):*** The Construction Manager reports to the D/B PM and is responsible for managing all aspects of the project construction with special emphasis on the Quality Control process. The Construction Manager will facilitate all constructability reviews for each aspect of the design, work closely with the Design manager to plan for necessary relocations, and coordinate with the Design manager to prioritize and schedule the acquisition process. During construction, he will be on site at all times, and will maintain the project schedule, coordinate with the QAM, the D/B PM and the Project Superintendent to ensure all construction materials and activities are in accordance with the Contract Documents. The Construction Manager will communicate with the D/B DM to arrange for design engineer's review of construction activities through the witness and hold points.

***\*Lead Structural Engineer (Dave Hieber, PE):*** The Lead Structural Engineer reports directly to the Design Manager and is responsible for the structural design of the bridge. Additional responsibilities include reviewing structural designs, verification of modifications to designs, reviewing structural RFI's and shop drawings, and the preparation of load ratings for VDOT project acceptance.



## TEAM ORGANIZATION CHART

REMSA – Research, Environmental & Management Support  
PMI – Precision Measurements, Inc.  
KDR – KDR Real Estate Services



**DESIGN-BUILD EXECUTIVE**  
Randy Sutton, President  
Waterfront Marine Construction

**DESIGN-BUILD PROJECT MANAGER**  
John Greene, Sr. V.P.  
Waterfront Marine Construction

**QUALITY ASSURANCE MANAGER**  
Duncan K. Stewart, P.E.  
MBP

**QUALITY ASSURANCE TESTING**  
Name TBD  
MBP

**QUALITY ASSURANCE INSPECTION**  
Name TBD  
MBP

**DESIGN-BUILD CONSTRUCTION MANAGER**  
Ron Rouse, P.E.  
Waterfront Marine Construction

**QUALITY CONTROL TESTING**  
Name TBD  
Company TBD

**QUALITY CONTROL INSPECTION**  
Name TBD  
Company TBD

**DESIGN-BUILD DESIGN MANAGER**  
Joseph Hardee, Jr., PE  
URS

**DESIGN-BUILD LEAD STRUCTURAL ENGINEER**  
Philip Jones, PE  
URS

**DESIGN-BUILD DESIGN QUALITY ASSURANCE**  
Donald Corda, PE  
URS

Detailed Chart of Design Team on next Page

# **Route 35 Bridge Replacement**

## **Post Notice of Intent to Award Submittals**



# **Key Personnel Resumes**

Section 4.4.2

Submitted by Waterfront Marine Construction, Inc - September 23, 2013

**ATTACHMENT 4.4.2**

**KEY PERSONNEL RESUME FORM**

**Brief Resume of Key Personnel anticipated for the Project.**

a. Name & Title: **John Greene – Senior Vice President**

b. Project Assignment: Design / Build Project Manager

c. Name of Firm with which you are now associated: **Waterfront Marine Construction, Inc.**

d. Years experience: With this Firm <1 Years With Other Firms 35 Years

Please list chronologically your employment history, position and general experience or fields of practice for the last fifteen(15) years:

2013-Present: Waterfront Marine Construction, Inc. – Senior Vice President – John is responsible for leading management team with estimating, procuring and operations for public and private heavy civil work in the greater Tidewater area. Duties include leading all aspects of the business including safety, operations, hiring, procurement, marketing, estimating, contracts, job cost, budget, profit and loss and yearly business plan. Work types include bridges and roadways, marine construction, concrete and steel structures, piling, excavation support, mass excavations, cofferdams, demolition, earthwork, drainage and roadwork.

2006-2013: Joseph B. Fay Company – Vice President – John was responsible for leading management team with estimating, procuring and operations for public and private heavy civil work in the greater Pittsburgh and Western Pennsylvania Area. Duties include leading all business aspects of the heavy civil division including safety, operations, hiring, procurement, marketing, estimating, contracts, job cost, budget, profit and loss and yearly business plan. Work types include underground and above ground utility construction, marine construction, landfill liner construction, concrete and steel structures, piling, excavation support, mass excavations, cofferdams, demolition, earthwork, drainage and roadwork.

2003-2006: Edward Kraemer & Sons, Inc. – Chief Estimator / Sr. Project Manager – John was responsible for estimating, procuring and managing public and private work in the Mid-Atlantic Region. Duties include initiating, estimating and reviewing estimates, soliciting and negotiating subcontracts and material purchases, startup and management of projects on which we were the successful low bidder. Additional responsibilities include assisting Vice President of Mid-Atlantic Region with management of all business aspects including operations, hiring, procurement, marketing, estimating, contracts, job cost, budget, profit and loss and yearly business plan.

2002-2003: Cianbro Corporation – Senior Estimator – John was responsible for estimating and procuring public and private work ranging in value from \$50,000 to \$50,000,000. Duties included initiating, estimating and reviewing estimates, soliciting and negotiating subcontracts and material purchases and startup of projects on which we were the successful low bidder.

1993-2002: FMW Contracting, Inc. – Owner & President – John was in charge of the day to day management of a heavy and highway Construction Company – Responsibilities included estimating, project management, scheduling, design, quality control, equipment purchases, accounting, personnel management, benefit management, insurance and bonding.

e. Education: Degree(s)/Year/Specialization:

BS, Civil Engineering, Clarkson College, 1979

f. Active Registration: Year First Registered/ Discipline/VA Registration #:

N/A

g. Document the extent and depth of experience and qualifications relevant to the Project.

1. *Note your specific responsibilities and authorities for each assignment, not those of the firm.*
2. *Note whether experience is with current firm or with other firm.*
3. *Provide beginning and end dates for each assignment.*

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

[PENNDOT Boulevard of the Allies Design/Build \(\\$30 Million Total Contract\) – Pittsburgh, PA for the Joseph B. Fay Company \(March 2007 – July 2009\)](#) John was the Vice President in charge of all heavy civil work constructing foundations and retaining walls for the new bridge and approaches (Approximate value \$10 Million). Responsibilities included coordination of design and oversight of construction operations for a 900' long 35' high tieback retaining wall, a cantilevered retaining wall and pile supported bridge foundations

[PENNDOT Charleroi-Monessen Design/Build Bridge Replacement\(\\$32 Million\) – Charleroi & Monessen, PA for the Joseph B. Fay Company \(July 2010 – July 2013\)](#) John was the Vice President in charge of all heavy civil work required to construct cofferdams and foundations and later for the completion of the entire 1,100' long bridge superstructure. Responsibilities included coordination of design and oversight of construction operations for cofferdams, foundations and substructure and superstructure

[Norfolk Southern Bridge Deck Replacement of the Beaver River – New Brighton, PA for the Joseph B. Fay Company \(March 2007 – August 2008\)](#) John was the Vice President in charge of all heavy civil work required for the phased demolition and replacement of twin 1,200 foot long steel deck railroad superstructures. Responsibilities included oversight of all construction operations for the demolition, steel repairs, concrete repairs, steel tub erection, waterproofing and ballast placement

[NYSDOT – D259407, I-490 Bridge over Genesee River – Rochester, NY for Edward Kraemer & Sons, Inc. \(\\$38 Million\)](#) phased replacement of 1,500' long bridge with new multiple span continuous beam and steel arch suspension bridge. Acting Project Manager in charge of all construction operations during startup from Sep. 2003 thru March 2004 and again from Feb. 2005 thru Feb. 2006

[PA. TURNPIKE Contract 98-077-RCKC, Susquehanna River Bridge Replacement for Edward Kraemer & Sons, Inc. \(October 2004 – February 2005\)](#)

This project was an \$82 Million Joint Venture with GA & FC Wagman to construct 40 span twin 6,000' long precast segmental bridges. John was in charge of estimating, procuring and served as the acting project manager for the first 6 months of construction. Responsibilities included being in charge of setting up and establishing the casting yard, substructure construction and the construction and erection of all precast segments



## ATTACHMENT B

### KEY PERSONNEL RESUME FORM

<b>Brief Resume of Key Personnel anticipated for the Project.</b>	
a. Name:	<b>Duncan K. Stewart, PE</b>
b. Project Assignment:	<b>Quality Assurance Manager</b>
c. Name of Firm with which you are now associated:	<b>MBP</b>
d. Years experience: With this Firm <u>13</u> Years With Other Firms <u>2</u> Years Please list chronologically your employment history, position and general experience or fields of practice for the last fifteen (15) years:	<p><b>Engineer, Senior Engineer, Project Manager, Branch Operations Manager, MBP, 1999-Present:</b> Mr. Stewart has more than 15 years of hands-on construction experience providing project controls, critical path method (CPM) scheduling, resident engineering, training, claims analysis, and program and project management. He has provided these services for several transportation, airport, K-12 school, commercial, municipal, federal, and military projects.</p> <p><b>Field Engineer, Interstate 95, Richmond, VA (1997-1999):</b> As Field Engineer, responsible for approximately 100 lane miles of Interstate 95. Project involved daily management of various construction and maintenance projects including roadway, bridge and incidental items. Duties also included field inspection, strategic maintenance planning and contract management.</p>
e. Education: Degree(s)/Year/Specialization:	<b>BE/1997/Civil Engineering</b>
f. Active Registration: Year First Registered/ Discipline/VA Registration #:	<b>2002/Professional Engineer (PE)/036991</b>
g. Document the extent and depth of experience and qualifications relevant to the Project. 1. Note your specific responsibilities and authorities for each assignment, not those of the firm. 2. Note whether experience is with current firm or with other firm. 3. Provide beginning and end dates for each assignment.	<p>Project Name: <b>Airport Connector Road</b> Name of Firm: <b>MBP</b> Start Date: <b>2008</b> End Date: <b>2011</b> Project Role/Responsibilities: <b>As Quality Assurance Manager, oversaw quality assurance processes for structures, roadways, and bridges on the project. Also, researched, identified and implemented solutions to construction problems, while managing a staff of several inspectors and technicians.</b></p>



Project Name: **Richmond District-Wide**

Name of Firm: **MBP**

Start Date: **2006**

End Date: **2008**

Project Role/Responsibilities: **As Project Manager, provided quality assurance, inspection, project controls, claims support and administrative management for multiple procurement and construction phase contracts in the Richmond District.**

Project Name: **VDOT Finals Region 2**

Name of Firm: **MBP**

Start Date: **2008**

End Date: **Ongoing**

Project Role/Responsibilities: **As Project Manager, provided quality assurance and auditing on approximately \$200 million of completed VDOT project records for compliance and independent oversight. Overall responsibility for completing all tasks on-time and to the degree of quality management, reporting and as-built documents.**

Project Name: **Zions Crossroads**

Name of Firm: **MBP**

Start Date: **2012**

End Date: **Ongoing**

Project Role/Responsibilities: **As Quality Assurance Manager, established the quality assurance/quality control (QA/QC) plan and was responsible for the successful implementation of the plan. Other responsibilities included the oversight of the QC construction inspection, materials testing, and sampling of work performed by the design-builder's quality control. Mr. Stewart was responsible for verifying quality compliance and seeing that there were minimal interruptions due to quality issues and that the project was delivered to the contract requirements. He oversaw the entire quality assurance and quality control program, all materials testing, and IA/IV interactions with VDOT and FWHA. He also supervised MBP and subconsultant inspectors and technicians.**

**ATTACHMENT 4.4.2**

**KEY PERSONNEL RESUME FORM**

<b>Brief Resume of Key Personnel anticipated for the Project.</b>
a. Name & Title: <b>Joseph Hardee, Jr., PE</b> <b>Senior Structural Engineer/Project Manager</b>
b. Project Assignment: <b>Design Manager</b>
c. Name of Firm with which you are now associated: <b>URS Corporation</b>
d. Years experience: With this Firm <u>28</u> Years With Other Firms <u>2</u> Years Please list chronologically your employment history, position and general experience or fields of practice for the last fifteen(15) years:  <b>Senior Structural Engineer/Project Manager, URS Corporation, 1984 – Present</b> Mr. Hardee's level of experience, achieved through the many bridge design projects for the Virginia Department of Transportation and neighboring states, has proven to be a valuable element in URS's design team. By playing an important role in many bridge design projects, Mr. Hardee has gained experience in all aspects of bridge analysis, design, and project management. His diverse experience has resulted in his becoming capable of solving a broad range of design problems. Mr. Hardee has directed and precipitated in the design of steel and concrete bridges both curved and straight. His experience also includes the design of bridge foundations on piles and spread footings as well as the design of cast in place concrete walls and MSE walls. Several key projects are listed below.
e. Education: Degree(s)/Year/Specialization: <b>North Carolina State University/MS/1980/Civil Engineering</b> <b>North Carolina State University/BS/1978/Civil Engineering</b>
f. Active Registration: Year First Registered/ Discipline/VA Registration #: <b>Professional Engineer VA: 1989/Civil/04020019609</b>
g. Document the extent and depth of experience and qualifications relevant to the Project. 1. <i>Note your specific responsibilities and authorities for each assignment, not those of the firm.</i> 2. <i>Note whether experience is with current firm or with other firm.</i> 3. <i>Provide beginning and end dates for each assignment.</i> <b>(List at least three (3), but no more than five (5) relevant projects for which you have performed a similar function.)</b>  <b><u>WALLACE CREEK PHACE II DESIGN-BUILD, MCB CAMP LEJEUNE, NC</u></b> <b>Project Role/Responsibility: Senior Structural/Bridge Engineer</b> <b>1.</b> Senior Bridge/Structural Engineer for design of a 550-foot, 11-span voided slab bridge to span the creek and wetland. The bridge construction was top down, using the previously constructed spans as a work platform. The voided slab superstructure is supported on pile bents. URS was the Designer of Record for the D-B contractor providing architectural, engineering, and construction services for Phase II of a new USMC regimental complex. Mr. Hardee's daily responsibilities included coordination of the bridge design with other disciplines and supervising and assisting with superstructure and substructure design for the bridge and quality control. <b>2.</b> Project Experience with URS Corporation <b>3.</b> From 2009 to present  <b><u>VDOT I-64 OVER ACCA RAIL YARD REPLACEMENT/WIDENING, VDOT, RICHMOND, VA</u></b> <b>Project Role/Responsibility: Project Manager/Senior Structural/Bridge Engineer</b> <b>1.</b> Project Manager for additional lane and superstructure replacement/widening for the I-64 bridge over the

rail yard. The project included design for a staged replacement and widened superstructure, substructure design, and redesign of the Staples Mill Rd. Interchange entry ramps to I-64 east bound and all associated geometric design, hydraulics design, and retaining wall design necessitated by the widening of I-64, and maintenance of traffic plans. Work also included substructure inspection to develop rehabilitation plans, preparation of signing and marking plans and maintenance of traffic plans. Mr. Hardee's responsibilities included project coordination and management, budget and schedule monitoring, supervising the structural design and shop drawing reviews, quality control, and coordination with VDOT and DRPT.

2. Project Experience with URS Corporation

3. From 1995 to 2007

**SOF AND SOTF FACILITIES D-B, USN, NAS OCEANA, VA**

**Project Role/Responsibility:** Senior Structural/Bridge Engineer

1. Lead Bridge Engineer for the design and shop drawing review of a 350-foot continuous bulb "T" bridge over Red Wing Lake for the Naval Facilities Engineering Command Mid Atlantic. The superstructure was made up of precast prestressed bulb "T" girders design as simple spans for dead load and made continuous for live load. Semi-integral abutments and pile bents were used for the substructure elements. The bridge was designed to VDOT standards. This was a part of a larger D-B contract where URS provided site design, landscape architecture, permitting, and demolition and construction phase services as subconsultant to the GC for D-B construction of the new Special Operations Facility and Special Operational Training Facility. Mr. Hardee's responsibilities included coordination of the bridge design with other disciplines, supervising, and assisting with superstructure and substructure design for the bridge, and quality control.

2. Experience with URS

3. From 2008 to 2011

**VDOT I-95 BRIDGES RECONSTRUCTION, RICHMOND, VA**

**Project Role/Responsibility:** Project Manager/Senior Structural/Bridge Engineer

1. Project Manager for the rehabilitation/ superstructure replacement of 11 bridges along the I-95 corridor in the City of Richmond. The project included extension of the Robin Hood Road on-ramp and shoulder improvements along the I-95 approaches to Lombardy Street/CSXT Bridge, plus hydraulic design, preparation of signing and marking plans and maintenance of traffic plans required for the roadway improvements. Pre-constructed composite units (PCU's) and nighttime construction were used to keep all traffic lanes in service during peak hours. The PCU's are longitudinal segments of a span composed of the concrete deck and supporting steel girders. Once segments in a span are placed they are transversely post-tensioned together to form a continuous deck. Cast-in-place concrete closure pours using high early strength concrete were used on highly skewed spans. Mr. Hardee's responsibilities include project coordination and management, budget and schedule monitoring, supervising the structural design and shop drawing reviews, quality control, and coordination with VDOT and subconsultants.

2. Project Experience with URS Corporation

3. From 2002 to present

**ATTACHMENT 4.4.2**

**KEY PERSONNEL RESUME FORM**

<b>Brief Resume of Key Personnel anticipated for the Project.</b>
a. Name & Title: <b>Ronnie W. Rouse, P.E. Project Manager</b>
b. Project Assignment: Construction Manager
c. Name of Firm with which you are now associated: <b>Waterfront Marine Construction, Inc.</b>
d. Years experience: With this Firm <u>1</u> Years With Other Firms <u>32</u> Years Please list chronologically your employment history, position and general experience or fields of practice for the last fifteen(15) years:  2012 - Current Waterfront Marine Construction, Inc. – Project Manager - estimating cost and managing the progress of various construction projects including design/build jobs, preparing subcontracts and progress schedules, attending preconstruction conferences, negotiating change order proposals and prepares, reviewing and approving all required administrative and technical submittals. Duties also include direct supervision of Quality Control Managers on all assigned Federal Government Contracts.  2010 - 2012 Rand Enterprises and Bay Electric Company – Project Manager, Estimator and Quality Control Manager – Estimating costs and managing delivery of military construction projects, including design-build.Served as the Quality Control Manager on an 80 year old building renovation project located in Kittery, Maine.  2007 – 2010 McPherson Design Group – Project Structural Engineer – Designed beams, foundations, piers, sheet piles.  1996-2007 Clark-Nexsen Architechts and Engineers – Principal – Responsible for the design of commercial and residential sites including roads, water distribution systems, sewage distribution systems, storm water drainage systems and landscaping. Directly responsible for marketing and civil, structural, mechanical and electrical design of over 3,000 personal communication sites (PCS). Responsbile for marketing, managing and designing a variety of design/build projects. Supervised a staff of 20 engineers, CAD technicians and clerical staff.
e. Education: Degree(s)/Year/Specialization: B.S. in Civil Engineering 1980 Virginia Polytechnic Institute and State University M.S. in Structural Engineering 2006 Old Dominion University
f. Active Registration: Year First Registered/ Discipline/VA Registration #: Virginia P.E. #15702 Civil Engineering First registered - 1985 ; North Carolina. P.E. #013983

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

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

**JEB Little Creek – Virginia Beach, VA for Waterfront Marine Construction, Inc.**

**March 2013 - Current**

Ron is currently the Project Manager on this project which is for the removal and replacement of a 1950's concrete boat ramp located at the end of Pier 34 on the Little Creek Naval Base. His responsibilities include estimating cost and managing the progress, preparing subcontracts and progress schedules, attending preconstruction conferences, negotiating change order proposals and prepares, reviewing and approving all required administrative and technical submittals. Directly supervise the onsite Quality Control Manager.

**Nimmo Parkway - Virginia Beach, VA for Waterfront Marine Construction, Inc.**

**January 2012 - Current**

Ron is the Project Manager during the construction of 1.7 miles of four-lane divided asphalt highway including two concrete pile supported concrete bridges 1,620 LF and 120 LF long, respectively; and seven concrete sound walls. His responsibilities included His responsibilities include estimating cost and managing the progress, preparing subcontracts and progress schedules, attending preconstruction conferences, negotiating change order proposals and prepares, reviewing and approving all required administrative and technical submittals. Directly supervise the site Quality Control Manager.

**Laskin Road- Gateway – Virginia Beach, VA for Waterfront Marine Construction, Inc.**

**January 2013 – July 2013**

Ron was the Project Manager during the construction of 190 LF of a 2-lane CIP concrete bridge, 100 LF of steel sheet pile retaining wall with a concrete cap, 346 LF of steel sheet pile bulkhead with a concrete cap, and an extension of a concrete box culvert. His responsibilities include estimating cost and managing the progress, preparing subcontracts and progress schedules, attending preconstruction conferences, negotiating change order proposals and prepares, reviewing and approving all required administrative and technical submittals.

**Mason Creek Bridge Demolition, Norfolk Naval Base for Waterfront Marine Construction, Inc.**

**2012 - 2013**

Ron was the Project Manager during the complete demolition of an existing 1400 lf steel span bridge, including . His responsibilities include estimating cost and managing the progress, preparing subcontracts and progress schedules, attending preconstruction conferences, negotiating change order proposals and prepares, reviewing and approving all required administrative and technical submittals.

## ATTACHMENT 4.4.2

### KEY PERSONNEL RESUME FORM

<b>Brief Resume of Key Personnel anticipated for the Project.</b>
a. Name & Title: <b>Philip H. Jones, PE</b> <b>Senior Structural Engineer</b>
b. Project Assignment: <b>Lead Structural Engineer</b>
c. Name of Firm with which you are now associated: <b>URS Corporation</b>
d. Years experience: With this Firm <u>29</u> Years With Other Firms <u>4</u> Years Please list chronologically your employment history, position and general experience or fields of practice for the last fifteen(15) years:  <b>Senior Structural Engineer/Project Manager, URS Corporation, 1983 – Present</b> With over 30 years of experience in bridge design, Mr. Jones serves as URS' senior engineer on the majority of our bridge projects in Virginia. His experience working with VDOT and other clients throughout the Commonwealth on similar structures makes him a great resource for the URS Team in designing the proposed project.
e. Education: Degree(s)/Year/Specialization: <b>University of Virginia /ME/1981/Civil Engineering</b> <b>Washington &amp; Lee University/BS/1973/Interdepartmental Math &amp; Natural Sciences</b>
f. Active Registration: Year First Registered/ Discipline/VA Registration #: <b>Professional Engineer VA: 1984/Civil/015302</b>
g. Document the extent and depth of experience and qualifications relevant to the Project. 1. <i>Note your specific responsibilities and authorities for each assignment, not those of the firm.</i> 2. <i>Note whether experience is with current firm or with other firm.</i> 3. <i>Provide beginning and end dates for each assignment.</i> <b>(List at least three (3), but no more than five (5) relevant projects for which you have performed a similar function.)</b>  <b><u>VDOT I-95 BRIDGES RECONSTRUCTION, RICHMOND, VA</u></b> <b>Project Role/Responsibility:</b> Interim Project Manager – Phase III/Senior Design Engineer 1. Senior Design Engineer for the rehabilitation/ superstructure replacement of 11 bridges along the I-95 corridor in the City of Richmond. The project included extension of the Robin Hood Road on-ramp and shoulder improvements along the I-95 approaches to Lombardy Street/CSXT Bridge, plus hydraulic design, preparation of signing and marking plans and maintenance of traffic plans required for the roadway improvements. Pre-constructed composite units (PCU's) and nighttime construction were used to keep all traffic lanes in service during peak hours. The PCU's are longitudinal segments of a span composed of the concrete deck and supporting steel girders. Once segments in a span are placed they are transversely post-tensioned together to form a continuous deck. Cast-in-place concrete closure pours using high early strength concrete were used on highly skewed spans. For the James River Bridge, Mr. Jones served as Design Engineer for the development of structural plans, seismic retrofit, traffic management, and specifications for the complex rehabilitation/replacement of the superstructure. 2. Project Experience with URS Corporation 3. From 2002 to present  <b><u>VDOT I-64 OVER ACCA RAIL YARD REPLACEMENT/WIDENING, VDOT, RICHMOND, VA</u></b> <b>Project Role/Responsibility:</b> Senior Design Engineer 1. Senior Design Engineer for additional lane and superstructure replacement/widening for the I-64 bridge

over the rail yard. The project included design for a staged replacement and widened superstructure, substructure design, and redesign of the Staples Mill Rd. Interchange entry ramps to I-64 east bound and all associated geometric design, hydraulics design, and retaining wall design necessitated by the widening of I-64, and maintenance of traffic plans. Work also included substructure inspection to develop rehabilitation plans, preparation of signing and marking plans and maintenance of traffic plans. Mr. Jones' responsibilities included preliminary superstructure and MOT design.

2. Project Experience with URS Corporation

3. From 1995 to 2007

**RTE. 11 OVER NSRW, VDOT, MONTGOMERY COUNTY, VA**

**Project Role/Responsibility:** Project Manager

1. Project Manager for the design of a 155-foot simple span plate girder bridge spanning over the NSRW. A curved deck was placed on the straight girders to accommodate the horizontal curve in the approach roadway. The abutments are skewed approximate 39 degrees placing them parallel to the tracks. Mr. Jones' responsibilities included design of the substructure and superstructure.

2. Project Experience with URS Corporation

3. From 1995 to 1995

**ELTHAM BRIDGE, ROUTE 30 OVER THE PAMUNKEY RIVER, WEST POINT, VA**

**Project Role/Responsibility:** Project Manager

1. Project Manager for the superstructure inspection, rating and rehabilitation recommendations for the 37 concrete beam approach spans. Mr. Jones' responsibilities included leading the inspection team and development of recommendations.

2. Project Experience with URS Corporation

3. From 1996 to 1996

**ROUTE 360 OVER RAPPAHANNOCK RIVER, VDOT, TAPPAHANNOCK, VA**

**Project Role/Responsibility:** Project Manager

1. Project Manager for the superstructure inspection, rating, and preparation of rehabilitation plans for the prestressed concrete beam approach spans (approximately 5,300 lf in length. Mr. Jones' responsibilities included development of rehabilitation plans.

2. Project Experience with URS Corporation

3 From 1996 to 1996

**Route 35 Bridge Replacement**  
**Post Notice of Intent to Award Submittals**



**SCC Registration**  
**Information and DPOR**  
**License Information**

Section 4.4.3

**ATTACHMENT 4.4.3**

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

**SCC and DPOR Information - Individuals**

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

DPOR INFORMATION FOR INDIVIDUALS (RFP Sections 4.4.3.1 and 4.4.3.2)						
Business Name	Individual's Name	Office Location Where Professional Services will be	Individual's DPOR Address	DPO R Type	DPOR Registration Number	DPOR Expiration Date
URS	Joseph E Hardee, Jr	Richmond, VA	1510 Old Compton Road, Richmond, VA 23233	Engineer	0402019609	04-30-2015
URS	Philip Hardison Jones	Richmond, VA	5812 West Club Lane, Richmond, VA	Engineer	0402015302	12-31-2013
MBP	Duncan Kenneth Stewart	Richmond, VA	13322 Diamond Ridge Drive, Richmond, VA 23112	Engineer	0402036991	06-30-2014
Waterfront Marine Construction, Inc.	Ronnie Rouse	Virginia Beach, VA	1020 Grantham Lane, Chesapeake, VA 23322	Engineer	0402015702	06-30-2015

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

**EXPIRES ON  
04-30-2015**

**NUMBER  
0402019609**

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

**BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS  
AND LANDSCAPE ARCHITECTS  
PROFESSIONAL ENGINEER LICENSE**

**JOSEPH E HARDEE JR  
1510 OLD COMPTON RD  
RICHMOND, VA 23233**



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

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12-31-2013**

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Telephone: (804) 367-8500

**BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS  
AND LANDSCAPE ARCHITECTS  
PROFESSIONAL ENGINEER LICENSE**

**PHILIP HARDISON JONES  
5812 WEST CLUB LANE  
RICHMOND, VA 23226**



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

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**06-30-2014**

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Telephone: (804) 367-8500

NUMBER  
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**BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS  
AND LANDSCAPE ARCHITECTS  
PROFESSIONAL ENGINEER LICENSE**

**DUNCAN KENNETH STEWART  
13322 DIAMOND RIDGE DRIVE  
MIDLOTHIAN, VA 23112**



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

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PROFESSIONAL ENGINEER LICENSE  
NUMBER: 0402036991 EXPIRES: 06-30-2014**

**DUNCAN KENNETH STEWART  
13322 DIAMOND RIDGE DRIVE  
MIDLOTHIAN, VA 23112**



(DETACH HERE)  
DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
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EXPIRES ON  
06-30-2015

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

NUMBER  
0402015702

BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS  
AND LANDSCAPE ARCHITECTS  
PROFESSIONAL ENGINEER LICENSE

RONNIE WILLIAM ROUSE  
1020 GRANTHAM LN  
CHESAPEAKE, VA 23322



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

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COMMONWEALTH OF VIRGINIA  
BOARD FOR APPLICANTS  
PROFESSIONAL ENGINEER LICENSE  
NUMBER: 0402015702 EXPIRES: 06-30-2015

RONNIE WILLIAM ROUSE  
1020 GRANTHAM LN  
CHESAPEAKE, VA 23322



(FOLD)

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DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
9960 Mayland Dr., Suite 400, Richmond, VA 23233

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**Route 35 Bridge Replacement**  
Post Notice of Intent to Award Submittals



**DBE Subcontracting  
Narrative**

Section 4.4.4

Submitted by Waterfront Marine Construction, Inc - September 23, 2013

**Route 35 Bridge Replacement**  
**Post Notice of Intent to Award Submittals**



**Proposal Schedule**  
**and Narrative**

Section 4.4.5

Submitted by Waterfront Marine Construction, Inc - September 23, 2013

#### 4.4.5 Proposal Schedule Narrative

The overall proposal schedule and plan to complete the design and construction for the replacement of the Route 35 Bridge over the Nottoway River in Courtland, Va. includes the following schedule aspects:

❖ **Project milestones:**

- Notice of Award Date: October 16, 2013
- Contract execution date: November 13, 2013
- Notice to Proceed Date: November 18, 2013
- Close Road (300 days): December 1, 2014
- Interim Milestone (Open Road): September 30, 2015
- Final Completion Date: November 30, 2015

❖ **Work Breakdown Structure:** The work breakdown structure (WBS) is broken down into multiple levels that include the following:

- **Level 1** includes the following major phases of the design build process:
  - **Project Milestones:** Key summary dates required to be established and achieved.
  - **Project Management:** Includes initial, interim and baseline schedule activities, submittals and procurement activities
  - **Scope Validation period:** Investigative activities to be performed prior to design
  - **Design:** Includes preliminary engineering services, plan development and VDOT review and approval of plans. A secondary WBS level provides detailed design activities secondary phases that include Geotechnical Analysis, Roadway Design, Bridge Design, Utilities, Survey and Hydrological & Hydraulic Analysis.
  - **Environmental:** Includes testing, wetland analysis and permitting
  - **Utilities and relocations:** Includes activities for relocation of existing utilities and design of new electrical utilities
  - **Construction:** Includes major groups of activities broken down into multiple levels including construction activities organized by types of work including Erosion controls, access, roadwork, earthwork, drainage, demolition, piles, substructure and superstructure work
- The complete work breakdown structure is as follows:
  - Milestones:
  - Project Management
    - Schedule activities
    - Submittal activities
    - Procurement activities
  - Public Involvement
  - Environmental
  - Right of Way
  - Design
    - Geotechnical Analysis
    - Roadway design
    - Bridge Design

- Utility Design
- Survey
- Hydrologic & Hydraulic Analysis
- Scope Validation Period
- Construction
  - Mobilization and Demobilization
  - Erosion and sediment controls
  - Temporary Access – causeway and trestle
  - Roadwork, Earthwork and Drainage
  - Demolition
  - Foundation Piles and cofferdams
  - Substructure
  - Superstructure

#### ❖ Calendars

- The calendars used in the proposal schedule include the following:
  - **Global Calendar** – Work day is 8 hours per day with the following holidays: New Year’s Day, Memorial Day, Independence Day, Labor Day, Thanksgiving, and Christmas Day.
  - **RT35-1** - “Normal Workweek” – This calendar includes working 5 days per week and is used for all construction activities
  - **RT35-3** – “Procurement” – This calendar provides 7 working days per week for all procurement and engineering activities.

#### ❖ Critical Path

- **Design Phase:**
  - The longest path starts with the issuance of the notice to proceed and progresses thru scope validation investigations. Once the scope validation has been completed the geotechnical investigation becomes critical and leads to the bridge design submission and approval. The right of way acquisition, sanitary force main relocation and environmental permitting will all run concurrently with the bridge design process but are not on the critical path. The final roadway plans are also on the critical path and run concurrent with the approval of the bridge plans. The scope validation investigations, the geotechnical investigations, the preliminary bridge and roadway plans will all start immediately after the notice to proceed is issued. The duration for the scope validation period includes the full 90 calendar days provided in the contract. The initial roadway and bridge design activities allow 45 working days for preparation with 30 days allowed for review by VDOT. The final bridge plans will allow 90 working days (18 weeks) for preparation and 30 calendar days for VDOT review and approval. The final roadway plans will allow 55 working days (11 weeks) for preparation and 30 calendar days for review and approval by FDOT. The final acceptance by VDOT and the subsequent issuance of bridge and roadway plans for construction bring the critical path to the start of construction.

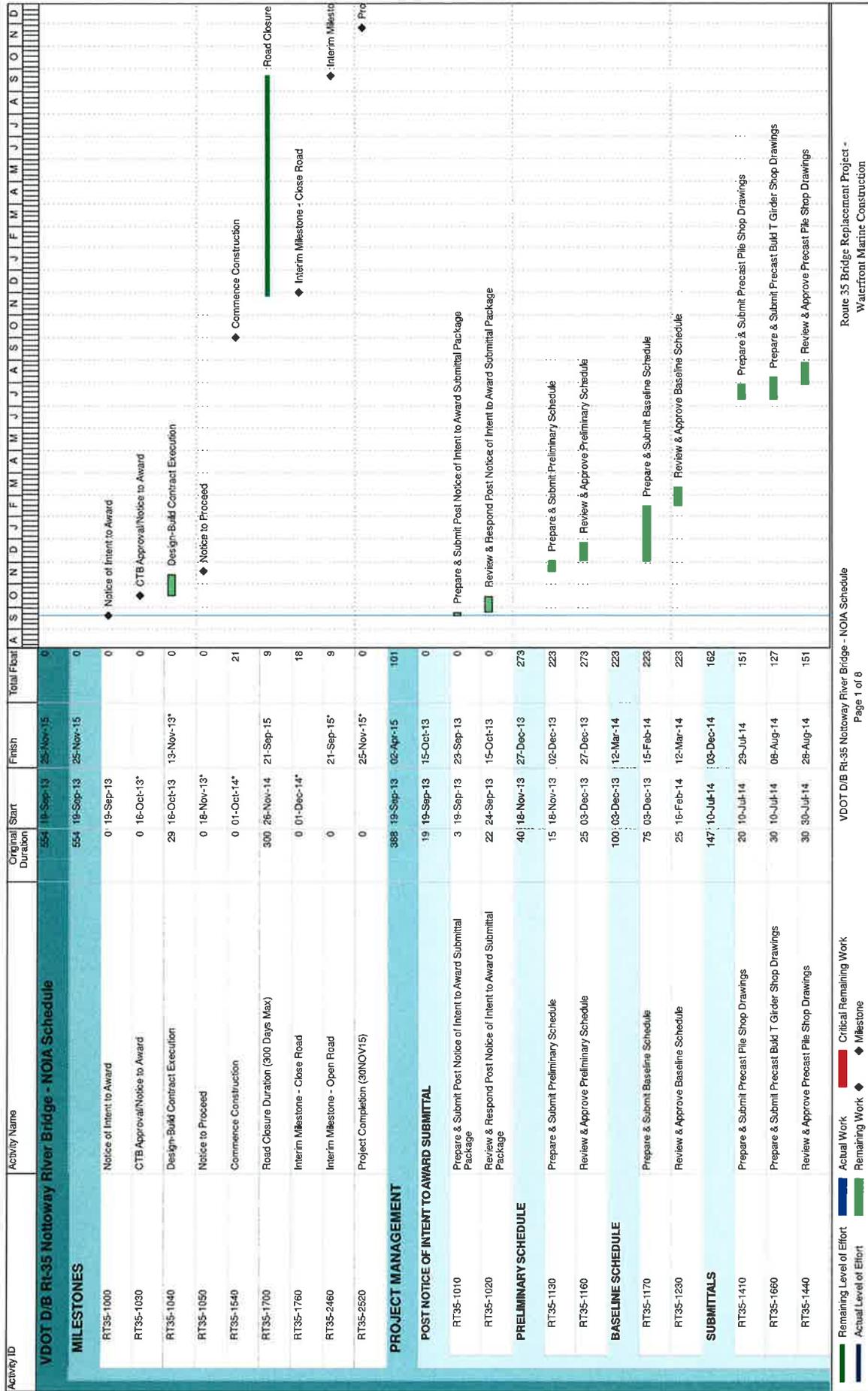
- **Construction:**
  - The critical path after approval of the bridge and roadway designs continues thru construction for temporary access, including the causeway and trestle work and then continues thru the demolition of the existing bridge. New construction will commence shortly after the bridge demolition starts and the critical path will follow thru Abutment B excavation, then piles, then thru piles at Abutment A and forming and pouring Abutment A. Once Abutment A is complete the critical path will follow thru construction of Abutment B, then erection of spans 7 thru 9. The bridge deck construction including forming overhangs, installing SIP forms, tooth expansion joints and rebar and dry running and pouring all decks is critical. The final bridge deck items including forming and pouring parapets and installing bridge rail, cleaning, grooving and striping the bridge deck will all be critical.
  
- **Utility Relocations:**
  - Utility relocations are not on the critical path. The temporary access for the bridge construction will require the existing 4" sanitary force main be relocated to the outer limits of the temporary construction easement. The schedule reflects this work will be performed immediately after equipment is mobilized, E&S controls are installed and clearing for access roads has been completed but will run concurrently with the pre-road closure work with some float.

The overall schedule will progress as follows:

- Mobilization will begin October 1, 2014 per the previously listed milestone dates. Work will begin by installing erosion controls, clearing for access roads and relocating the existing 4" sanitary force Main. Work to install temporary causeway and a temporary trestle over the Nottoway River will follow immediately thereafter. The temporary trestle will have capacity to support 200 crawler cranes and will be constructed of temporary pipe piles, temporary steel pier caps installed on the pipe piles, twin pairs of structural steel beams spanning between the pile caps, 12" timber mats utilized for bridge decking with safety rail at edges of deck. All work to install the causeway and the temporary trestle will be accessed from the east approach and will be completed prior to the road closure milestone date.
  
- Bridge Demolition will start with the milestone date for the road closure on Dec. 1, 2014 which than starts the 300 calendar closure period. The bridge demolition will start with removal of the two truss spans over the river. Demolition of both the east and west approach spans will immediately follow the truss demolition. The demolition of all land based substructure elements will follow the superstructure demolition and the last demolition item to be completed will be the existing river pier removal, which will be completed before the Fish Spawning season starting Feb. 15, 2015.

- The construction of the new bridge will start with installation of steel sheet pile cofferdams for the new river piers and then follow the cofferdams with the test pile program for all test piles. Production piles will work concurrently with the test pile program and will start at Piers 4 and 5, progress to Abutment A and piers 1 thru 3 and then finish with piers 7 thru 9 and Abutment B. Substructure concrete work will be started immediate after production piles have been completed at piers 4 and 5 and will then follow the production piles completed at other substructure locations. There will be two substructure concrete crews utilized until completion of substructure work. Superstructure construction will start with precast beam erection starting with spans 1 thru 3, moving to spans 7 thru 9 and finishing with spans 4 thru 6 over the river. Beam erection will not start until all substructure work is complete. Bridge deck construction will commence during the beam erection operations and will include forming and pouring end closures, forming overhangs, bulkheads and end joints, with the concurrent installation of SIP metal bridge forms and reinforcing bars and finally the installation of the tooth expansion joints with the final activity being dry run, pour bridge decks and cure. Forming and pouring bridge parapets will follow the bridge deck construction and will be finished once the bridge rail is installed. The final bridge operations will include cleaning and grooving the deck and completing all pavement markings.
- Roadway work will be completed concurrently with the new bridge construction and will commence following construction of Abutments A and B. Work will start with all excavation and fill operations, follow with drainage operations followed by sub-base placement and asphalt paving operations. All guardrail and electrical operations will follow sub-base placement operations.
- The final work to be completed after the roadway has been opened to traffic will include removal of the temporary trestle, removal of the temporary causeway, and restoration activities including placement of topsoil and final seeding.

The proposal schedule and narrative were created in a very condensed time frame and as such the attached schedule may be subject to change. There are several activities that are constrained to meet the proposal dates that will need to adjusted in the baseline. The logic generally appears to be correct but will need to be examined in much greater detail as the baseline schedule is prepared for submittal.



Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	A	S	O	N	D	A	S	O	N	D	J	A	M	A	M	J	J	A	S	O	N	D
RT35-1480	Review & Approve Precast Bulb T Girder Shop Drawings	60	09-Aug-14	07-Oct-14	127																						
RT35-1490	Prepare & Submit Rebar Shop Drawings	30	05-Sep-14	04-Oct-14	104																						
RT35-1500	Prepare & Submit Bearing Shop Drawings	30	05-Sep-14	04-Oct-14	130																						
RT35-1510	Prepare & Submit Bridge Rail Shop Drawings	45	05-Sep-14	19-Oct-14	175																						
RT35-1520	Prepare & Submit Exp Joint Shop Drawings	60	05-Sep-14	03-Nov-14	145																						
RT35-1530	Prepare & Submit SIP Form Shop Drawings	45	05-Sep-14	19-Oct-14	177																						
RT35-1610	Review & Approve Rebar Shop Drawings	30	05-Oct-14	03-Nov-14	104																						
RT35-1620	Review & Approve Bearing Shop Drawings	30	05-Oct-14	03-Nov-14	130																						
RT35-1640	Review & Approve Bridge Rail Shop Drawings	30	20-Oct-14	18-Nov-14	175																						
RT35-1650	Review & Approve SIP Form Shop Drawings	30	20-Oct-14	18-Nov-14	177																						
RT35-1690	Review & Approve Exp JT Shop Drawings	30	04-Nov-14	03-Dec-14	145																						
<b>PROCUREMENT</b>																											
RT35-1470	Fabricate & Deliver precast concrete test piles	217	29-Aug-14	02-Apr-15	145																						
RT35-1830	Fabricate & Deliver Precast 53" Bulb Tee	15	29-Aug-14	12-Sep-14	151																						
RT35-1670	Fabricate and Deliver rebar	120	06-Oct-14	04-Feb-15	127																						
RT35-1680	Fabricate and Deliver bearings	45	04-Nov-14	18-Dec-14	104																						
RT35-1690	Fabricate and Deliver bearings	90	04-Nov-14	01-Feb-15	130																						
RT35-1790	Fabricate and Deliver Bridge Rail	90	19-Nov-14	16-Feb-15	175																						
RT35-1800	Fabricate & Deliver SIP Metal Forms	45	19-Nov-14	02-Jan-15	177																						
RT35-1840	Fabricate & Deliver expansion joints	120	04-Dec-14	02-Apr-15	145																						
RT35-1900	Fabricate & Deliver production piles (piers 4 and 5)	15	20-Jan-15	09-Feb-15	19																						
RT35-1930	Fabricate & Deliver production piles (east approach)	15	03-Feb-15	17-Feb-15	22																						
RT35-1960	Fabricate & Deliver production piles (west approach)	15	06-Mar-15	20-Mar-15	19																						
<b>PUBLIC INVOLVEMENT</b>																											
RT35-1290	Public Involvement Meetings	5	28-Mar-14	03-Apr-14	90																						
		5	28-Mar-14	03-Apr-14	90																						
		159	18-Nov-13	06-Jul-14	84																						
<b>ENVIRONMENTAL</b>																											

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	
RT35-1100	LBP Testing and Report	15	18-Nov-13	10-Dec-13	115																		
RT35-1110	Wetland Delineation	10	18-Nov-13	09-Dec-13	90																		
RT35-1120	Pre-Application Site Visit with Permitting Agencies	120	18-Nov-13	17-Mar-14	119																		
RT35-1180	Wetland Delineation Report	30	04-Dec-13	16-Jan-14	90																		
RT35-1280	Permit Application, Agency review and VMRC Hearing, COE & DEQ Permit Acquisition	111	18-Mar-14	06-Jul-14	119																		
<b>RIGHT OF WAY</b>		<b>165</b>	<b>21-Feb-14</b>	<b>14-Oct-14</b>	<b>72</b>																		
RT35-1280	Title Research	30	21-Feb-14	03-Apr-14	92																		
RT35-1300	Right-of Way Plans	25	28-Mar-14	01-May-14	72																		
RT35-1330	Valuation	15	04-Apr-14	24-Apr-14	92																		
RT35-1350	Right-of Way Sheet/Plan Preparation	15	02-May-14	22-May-14	72																		
RT35-1370	Negotiations	40	23-May-14	21-Jul-14	72																		
RT35-1430	Clearance of Objections and Settlement Procedures	60	22-Jul-14	14-Oct-14	72																		
<b>DESIGN</b>		<b>451</b>	<b>18-Nov-13</b>	<b>31-Aug-15</b>	<b>61</b>																		
<b>GEOTECHNICAL ANALYSIS</b>																							
RT35-1060	Preliminary Geotechnical Engineering Report	155	18-Nov-13	27-Jun-14	30																		
RT35-1210	Geotechnical Report - Department Review	45	18-Nov-13	23-Jan-14	30																		
RT35-1240	Final Geotechnical Engineering	20	24-Jan-14	20-Feb-14	30																		
<b>ROADWAY DESIGN</b>																							
RT35-1070	Preliminary Roadway Plans	90	21-Feb-14	27-Jun-14	30																		
RT35-1250	Preliminary Roadway Plans - Dept. Review	205	18-Nov-13	09-Sep-14	30																		
RT35-1250	Preliminary Roadway Plans - Dept. Review	65	18-Nov-13	20-Feb-14	40																		
RT35-1340	Final Roadway Plans	25	21-Feb-14	27-Mar-14	40																		
RT35-1340	Final Roadway Plans	55	11-Apr-14	27-Jun-14	30																		
RT35-1390	Final Roadway Plans - Dept. Review	25	30-Jun-14	04-Aug-14	30																		
RT35-1450	Roadway Release for Construction Plans	25	05-Aug-14	09-Sep-14	30																		
<b>BRIDGE DESIGN</b>																							
RT35-1150	Stage I Bridge Plans	444	27-Nov-13	31-Aug-15	0																		
RT35-1150	Stage I Bridge Plans	45	27-Nov-13	03-Feb-14	33																		

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

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	
RT35-1220	Stage I Bridge Plans - Dept Review	20	04-Feb-14	03-Mar-14	33																		
RT35-1270	Stage II Bridge Plans	30	04-Mar-14	09-Jul-14	33																		
RT35-1400	Stage II Bridge Plans - Dept Review	20	10-Jul-14	06-Aug-14	33																		
RT35-1460	Stage II Bridge Release for Construction Plans	20	07-Aug-14	04-Sep-14	33																		
RT35-1570	Stage III Bridge - Construction Support	335	01-Oct-14	31-Aug-15	0																		
<b>UTILITIES</b>																							
RT35-1310	Plans for Sanitary Force Main Relocation	105	28-Mar-14	25-Aug-14	40																		
RT35-1320	Roadway Lighting Plans (Included in Roadway Plans)	55	28-Mar-14	13-Jun-14	40																		
RT35-1360	Plans for Sanitary Force Main Relocation - Agency Review	25	09-May-14	13-Jun-14	65																		
RT35-1380	Roadway Lighting Plans - Dept. Review	25	16-Jun-14	21-Jul-14	40																		
RT35-1420	Utility Plans - Release for construction Plans	25	22-Jul-14	25-Aug-14	40																		
<b>SURVEY</b>																							
RT35-1060	Supplemental Design Survey	35	18-Nov-13	09-Jan-14	70																		
RT35-1090	River / Bridge / Hydraulic Survey	20	18-Nov-13	17-Dec-13	65																		
RT35-1190	Wetland Flag Locations	15	18-Dec-13	09-Jan-14	70																		
<b>HYDROLOGIC &amp; HYDRAULIC ANALYSIS</b>																							
RT35-1200	Preconstruction H&H Report with Scour Analysis	32	18-Dec-13	03-Feb-14	33																		
RT35-2250	Post-Construction H&H Report with Scour Analysis	20	05-Jun-15	02-Jul-15	102																		
<b>SCOPE VALIDATION PERIOD</b>																							
RT35-1140	Scope Validation Period	90	23-Nov-13	20-Feb-14	643																		
<b>CONSTRUCTION</b>																							
<b>MOBILIZATION / DEMOBILIZATION</b>																							
RT35-1550	Mobilize cranes, equipment, restle etc	8	01-Oct-14	10-Oct-14	15																		
RT35-1750	Mobilize & assemble pile equipment	3	01-Dec-14	03-Dec-14	33																		
RT35-2510	Final cleanup & demobilize all equipment	30	15-Oct-15	25-Nov-15	0																		



Route 35 Bridge Replacement Project -  
Waterfront Marine Construction

VDOT DB R135 Nottoway River Bridge - NOIA Schedule  
Page 4 of 6

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

■ Stage I Bridge Plans - Dept Review   
 ■ Stage II Bridge Plans - Dept Review   
 ■ Stage II Bridge Release for Construction Plans   
 ■ Stage III Bridge -

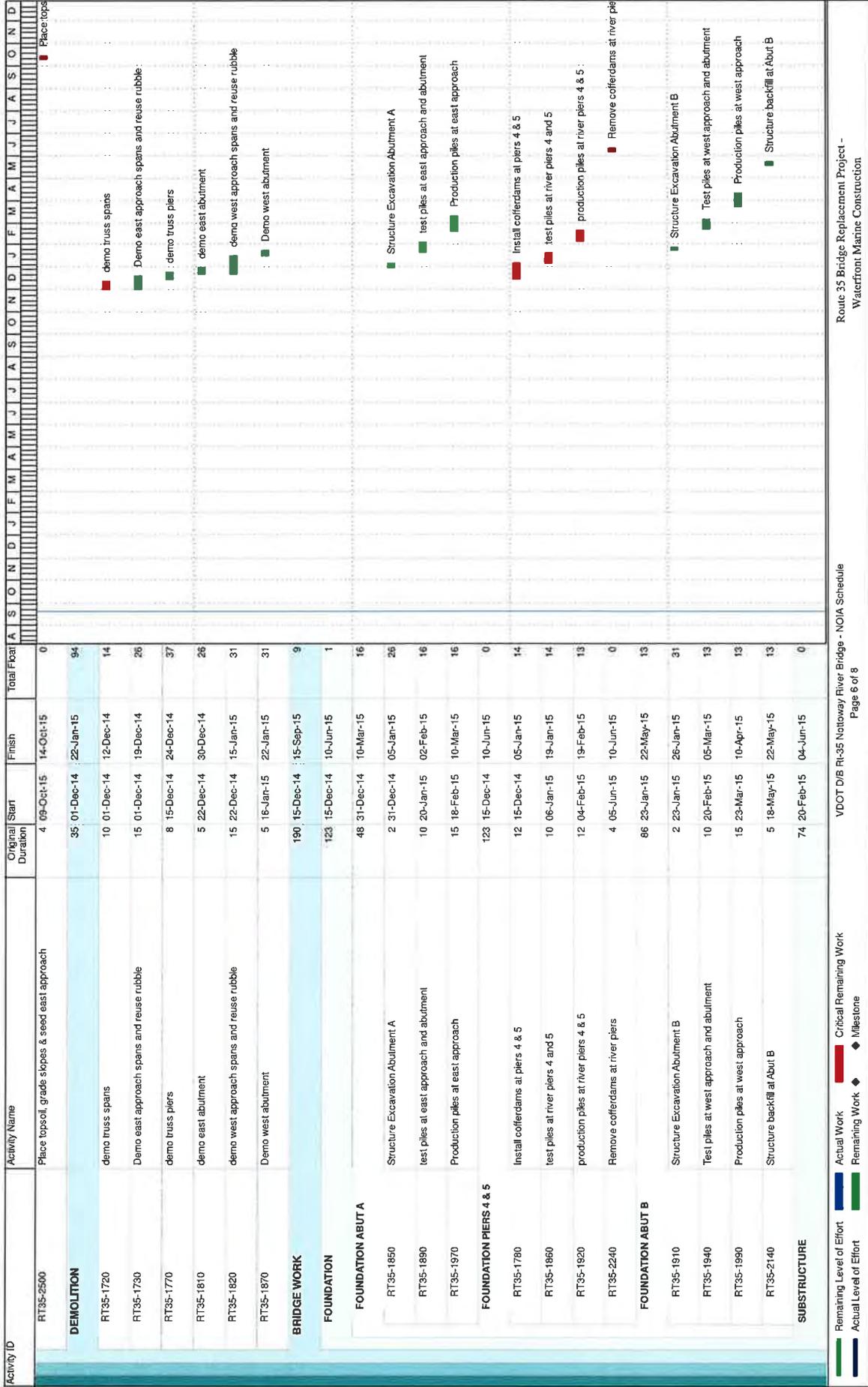
■ Plans for Sanitary Force Main Relocation   
 ■ Roadway Lighting Plans (Included in Roadway Plans)   
 ■ Plans for Sanitary Force Main Relocation - Agency Review   
 ■ Roadway Lighting Plans - Dept. Review   
 ■ Utility Plans - Release for construction Plans

■ Supplemental Design Survey   
 ■ River / Bridge / Hydraulic Survey   
 ■ Wetland Flag Locations

■ Preconstruction H&H Report with Scour Analysis   
 ■ Post-Construction H&H Report with Scour Analysis   
 ■ Scope Validation Period

■ Mobilize cranes, equipment, restle etc   
 ■ Mobilize & assemble pile equipment   
 ■ Final cleanup & demobilize all equipment

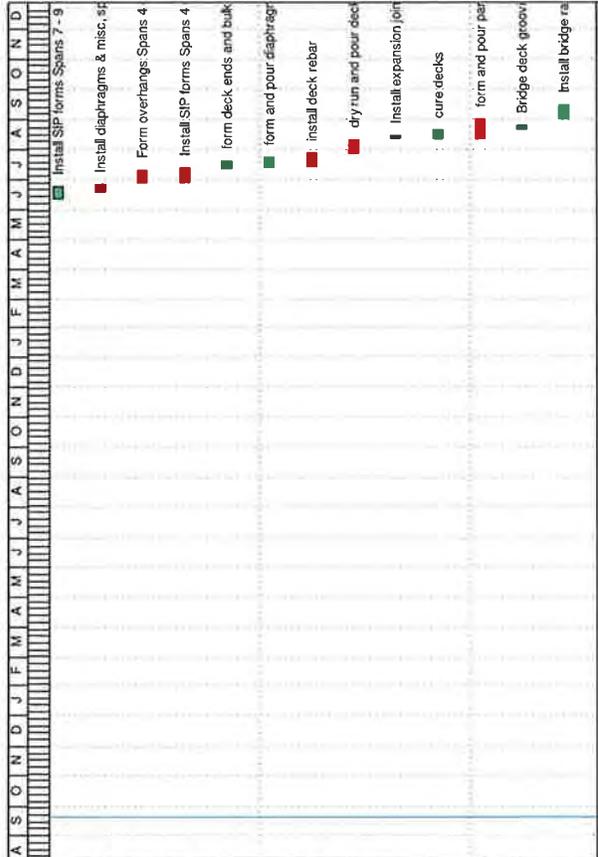
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
<b>EROSION &amp; SEDIMENT CONTROLS</b>																						
RT35-1560	Erosion controls for causeway	51	01-Oct-14	12-Dec-14	241																	
RT35-1740	Clear and grub and erosion controls	5	01-Oct-14	07-Oct-14	18																	
<b>TEMP CAUSEWAY TRESTLE</b>																						
RT35-1580	Clear and grub for causeway & access	250	13-Oct-14	08-Oct-15	29																	
RT35-1590	Place stone for causeway @ east approach	6	13-Oct-14	20-Oct-14	15																	
RT35-1630	Erect trestle over river	20	29-Oct-14	25-Nov-14	15																	
RT35-1710	Place stone for causeway at West approach	6	26-Nov-14	05-Dec-14	41																	
RT35-1880	erect 2 fingers of trestle at river piers	5	20-Jan-15	26-Jan-15	14																	
RT35-2420	Remove trestle after decks & parapets 100%	15	01-Sep-15	22-Sep-15	0																	
RT35-2470	Remove causeway at west approach	8	23-Sep-15	02-Oct-15	33																	
RT35-2480	Remove causeway at east approach	12	29-Sep-15	08-Oct-15	0																	
<b>ROADWORK, EARTHWORK &amp; DRAINAGE</b>																						
RT35-1600	Relocate sanitary force main	15	21-Oct-14	10-Nov-14	26																	
RT35-2100	Drainage at East approach	5	22-Apr-15	28-Apr-15	16																	
RT35-2120	Excavate and fill at east approach	10	29-Apr-15	12-May-15	16																	
RT35-2170	Drainage at West Approach	5	26-May-15	01-Jun-15	53																	
RT35-2190	Excavate and fill at west approach	5	02-Jun-15	08-Jun-15	53																	
RT35-2330	Place subbase & fine grade east & west approach	8	14-Jul-15	23-Jul-15	29																	
RT35-2350	Form and pour approach slabs	6	11-Aug-15	18-Aug-15	17																	
RT35-2410	Asphalt Pave approaches	6	26-Aug-15	02-Sep-15	17																	
RT35-2430	Install guiderails at approaches	5	03-Sep-15	10-Sep-15	54																	
RT35-2440	Pavement markings - bridge & approaches	2	03-Sep-15	04-Sep-15	17																	
RT35-2450	Clean road, bridge deck and open to traffic	4	16-Sep-15	21-Sep-15	7																	
RT35-2490	Place topsoil, grade slopes & seed west approach	5	05-Oct-15	09-Oct-15	33																	



Activity ID	Activity Name	Original Start Duration	Finish	Total Float	A	S	O	N	D	A	S	O	N	D	J	F	M	A	M	A	M	J	J	A	S	O	N	D
<b>SUBSTRUCTURE EAST APPROACH (ABUT A, P1 - P3)</b>																												
RT35-2000	Form and pour Abutment A (East)	30	11-Mar-15	21-Apr-15	16																							
RT35-2010	form and pour pier 1 cap	20	11-Mar-15	07-Apr-15	16																							
RT35-2030	form and pour pier 2 cap beam	6	11-Mar-15	18-Mar-15	25																							
RT35-2040	form and pour pier 3 cap beam	6	19-Mar-15	26-Mar-15	25																							
RT35-2080	Structure backfill at Abut A	6	27-Mar-15	03-Apr-15	25																							
<b>SUBSTRUCTURE RIVER PIERS (P4 - P5)</b>																												
RT35-1950	Form and pour pier 4 & 5 footers	5	15-Apr-15	21-Apr-15	16																							
RT35-1980	Form and pour pier 4 & 5 columns	74	20-Feb-15	04-Jun-15	0																							
RT35-2020	form and pour pier 4 & 5 cap beams	10	20-Feb-15	05-Mar-15	35																							
RT35-2050	form and pour pier 6 cap beam	10	06-Mar-15	19-Mar-15	35																							
RT35-2230	Place riprap at river piers 4 & 5	10	20-Mar-15	02-Apr-15	35																							
<b>SUBSTRUCTURE WEST APPROACH (P7 - P8, ABUT B)</b>																												
RT35-2060	form and pour Abutment B (west)	6	13-Apr-15	20-Apr-15	20																							
RT35-2070	form and pour pier 7 cap beam	4	01-Jun-15	04-Jun-15	0																							
RT35-2090	form and pour pier 8 cap beam	20	13-Apr-15	08-May-15	18																							
<b>SUPERSTRUCTURE</b>																												
RT35-2110	Erect span 1 thru 3 beams (DT Read)	20	13-Apr-15	08-May-15	13																							
RT35-2130	Install diaphragms & misc spans 1, 2 & 3	6	21-Apr-15	28-Apr-15	20																							
RT35-2150	Form overhangs Spans 1 - 3	6	29-Apr-15	06-May-15	20																							
RT35-2160	Install SIP forms Spans 1 - 3	109	13-Apr-15	15-Sep-15	9																							
RT35-2180	Erect beams - spans 7 - 9 (DT Read)	6	13-Apr-15	20-Apr-15	43																							
RT35-2200	Install diaphragms & misc - spans 7, 8 & 9	6	21-Apr-15	28-Apr-15	43																							
RT35-2260	Erect spans 4, 5 and 6 (Waterfront Marine)	9	29-Apr-15	11-May-15	43																							
RT35-2210	Form overhangs Spans 7 - 9	6	26-May-15	02-Jun-15	13																							
RT35-2260	Erect spans 4, 5 and 6 (Waterfront Marine)	6	09-Jun-15	16-Jun-15	13																							
RT35-2210	Form overhangs Spans 7 - 9	9	11-Jun-15	23-Jun-15	13																							

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

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	A	S	O	N	D	A	S	O	N	D	J	A	S	O	N	D	J	A	S	O	N	D
RT35-2220	Install SIP forms Spans 7 - 9	9	11-Jun-15	25-Jun-15	13																						
RT35-2270	Install diaphragms & misc. spans 4, 5 & 6	6	19-Jun-15	26-Jun-15	0																						
RT35-2280	Form overhangs Spans 4 - 6	9	29-Jun-15	10-Jul-15	0																						
RT35-2290	Install SIP forms Spans 4 - 6	10	29-Jun-15	13-Jul-15	0																						
RT35-2300	form deck ends and bulkheads	6	13-Jul-15	20-Jul-15	5																						
RT35-2310	form and pour diaphragms	9	14-Jul-15	24-Jul-15	1																						
RT35-2320	install deck rebar	10	14-Jul-15	27-Jul-15	0																						
RT35-2340	dry run and pour decks	10	28-Jul-15	10-Aug-15	0																						
RT35-2360	Install expansion joints	4	11-Aug-15	14-Aug-15	11																						
RT35-2370	cure decks	10	11-Aug-15	20-Aug-15	34																						
RT35-2380	form and pour parapets (2 crews)	15	11-Aug-15	31-Aug-15	0																						
RT35-2390	Bridge deck grooving	3	21-Aug-15	25-Aug-15	23																						
RT35-2400	Install bridge rail (2 crews)	10	01-Sep-15	15-Sep-15	7																						



**Route 35 Bridge Replacement**  
Post Notice of Intent to Award Submittals



**Schedule of Items for the  
Price Proposal**

Section 4.4.6

Submitted by Waterfront Marine Construction, Inc - September 23, 2013

**Attachments 4.4.6**  
**State Project 0035-087-112, PE-101, RW-201, C-501, B-604**

**SCHEDULE OF ITEMS**

This schedule of items shall identify the total material quantities and costs for each proposed work item, using item codes and units of measure that are consistent with VDOT's list of standard and non-standard item codes, Any work items considered for price adjustments shall be identified. The values and quantities shall be clearly supported by the escrowed pricing documents.

VDOT Item Code	Item Description	Fuel (F) or Price (P) Adjustment	Approximate Quantity	Units	Budgeted Cost (\$)
100	Mobilization		1	LS	335,300.00
101	Construction Surveying (Construction)		1	LS	20,000.00
	Design Services		1	LS	830,000.00
	QA/QC		1	LS	565,000.00
	Public Utilities		1	LS	234,000.00
	4-in Sanitary Force Main		1	LS	116,000.00
	Environmental Permitting		1	LS	50,000.00
	ROW Acquisition		1	LS	115,000.00
110	Clearing & Grubbing		1	LS	20,000.00
120	Regular Excavation		2,000	CY	20,000.00
140	Borrow Excavation		6,359	CY	90,400.00
200	Settlement Plate Etc		8	EA	8,000.00
525	Concrete Class A3 Misc		1	CY	600.00
1150	15" Pipe		120	LF	3,500.00
8962	Drop Inlet DI-13 Type 1		4	EA	15,400.00
10128	Aggr. Base Material Type I No. 21B		1,625	TON	72,280.00
10607	Asphalt Concrete Type SM-12.5A		490	TON	60,660.00
10628	Flexible Pave. Planing 0"-2"		135	SY	2,700.00
10629	Flexible Pave. Planing Above 2"-4"		1,200	SY	5,600.00
	Flexible Pavement Planing 6"		1,440	SY	8,000.00
10642	Asphalt Concrete Type BM-25.0A		950	TON	99,600.00
12322	Asphalt Concrete Curb Type MC-3B		2,040	LF	31,000.00
12505	Asphalt Concrete Curb Backup Material		130	TON	20,500.00
13212	R/W Monument RM-2		4.00	EA	1,600.00
13320	Guardrail GR-2		402	LF	9,400.00
13323	Guardrail GR-2A		1,900	LF	69,140.00
13345	Alt. Breakaway Cable Terminal (GR-9)		2	EA	5,740.00
13383	Fixed Object Attach. GR-FOA-1 Type I		4	EA	9,280.00
24152	Type III Barricade 8'		4	EA	3,000.00
24160	Construction Signs		686	SF	25,000.00
24282	Flagger Service		32	HR	1,024.00
24600	Remove Existing Guardrail		2,510	LF	7,620.00
25505	Field Office Type I		15.00	MO	37,500.00
25561	Formal Partnering			Day	
25565	Progress Schedule Baseline		1	LS	5,000.00
25567	Progress Schedule Updates		12	EA	4,200.00
26117	Dry Riprap Class A1		30	TN	3,500.00
27012	Topsoil Class A 2"		3	ACRE	62,780.00
27102	Regular Seed		1,000	LB	8,000.00
27103	Overseeding		450	LB	5,000.00
27215	Fertilizer (15-30-15)		1	TON	1,000.00
27250	Lime		6	TON	800.00
27321	Protective Covering EC-2		9,800	SY	18,000.00
27410	Check Dam (Rock) Type I		4	EA	2,500.00
27430	Siltation Control Excavation		50	CY	1,420.00
27451	Inlet Protection Type A		4	EA	1,240.00
27505	Temporary Silt Fence		4,000	LF	12,000.00
27525	Turbidity Curtail, Pervious		250	LF	5,960.00
	Electrical				145,000.00
50108	Sign Panel		150	SF	3,480.00
50534	Sign Post STP-1, 2 1/2"		30	LF	420.00
50867	Remove-Dispose Sign Struct. Type WP-1		8	EA	975.00
50860	Remove-Dispose Sign Struct. Type I		8	EA	1,620.00

**Attachments 4.4.6**  
**State Project 0035-087-112, PE-101, RW-201, C-501, B-604**

**SCHEDULE OF ITEMS**

This schedule of items shall identify the total material quantities and costs for each proposed work item, using item codes and units of measure that are consistent with VDOT's list of standard and non-standard item codes, Any work items considered for price adjustments shall be identified. The values and quantities shall be clearly supported by the escrowed pricing documents.

VDOT Item Code	Item Description	Fuel (F) or Price (P) Adjustment	Approximate Quantity	Units	Budgeted Cost (\$)
	Courtland Signs		1	LS	13,445.00
54032	Type B Class I Pave. Line Marking 4"		2,692	LF	3,350.00
54075	Type B Class VI Pave. Line Marking 4"		2,730	LF	16,990.00
60404	Concrete Class A4		1,256	CY	600,820.00
60490	Bridge Deck Grooving		4,044	SY	14,000.00
61236	Prest. Conc. Beam, Bulb-T 53" depth +100'-1		45	EA	1,520,000.00
61711	Corrosion Resistant Reinf. Steel Class I		275,000	LB	475,370.00
62041	Railing, BR27C 1 Rail		1,894	LF	443,000.00
62402	Tooth Expansion Joint, Tooth Thickness		80	LF	143,920.00
64005	Select Material Type I Min CBR-30		1,660.00	TON	70,000.00
64011	Structure Excavation		200.00	CY	6,000.00
64032	Geocomposite Wall Drain		113	SY	3,500.00
64036	Pipe Underdrain 6"		120	lf	3,800.00
64101	Dynamic Pile Test (Friction Piles)		10	EA	15,000.00
64412	Prestr. Concrete Piles 12"		2,035	LF	90,760.00
64424	Prestr. Concrete Piles 24"		5,000	LF	420,560.00
64808	Driving Test for 12" Prestr. Concrete Pile		130	LF	48,795.00
64868	Driving Test for 24" Prestr. Concrete Pile		740	LF	129,480.00
65013	Concrete Class A3		705	CY	580,000.00
65200	Reinforcing Steel		102,000	LB	84,620.00
66115	Temporary Causeway		1	LS	740,935.00
66120	Cofferdam		2	EA	140,440.00
66127	Dry Riprap Class I 26"		900	TON	69,000.00
68265	Conc. Class A4 Bridge Approach Slab		75	CY	30,000.00
68270	Reinf. Steel Bridge Appr. Slab		11,400	LB	11,500.00
68900	Demolition		1	LS	555,000.00
85130	Bond		1	LS	58,000.00
	Final Inspection		1	LS	11,976.00

TOTAL 9,476,000.00

# **Route 35 Bridge Replacement**

## **Post Notice of Intent to Award Submittals**



# **Monthly Payment Schedule**

Section 4.4.7

Submitted by Waterfront Marine Construction, Inc - September 23, 2013



**Route 35 Bridge Replacement**  
Post Notice of Intent to Award Submittals



**Escrow Proposal Documents**  
To Be Furnished Under Separate Cover

Section 4.4.8

Submitted by Waterfront Marine Construction, Inc - September 23, 2013