ORIGINAL

ROUTE 35 BRIDGE REPLACEMENT

Letter of Submittal & Attachments

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

September 11, 2013

submitted by

CORMAN CONSTRUCTION

In association with

VOLKERT

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.

Letter of Submittal Component	Form (if any)	RFP Part 1 Cross Reference	Page Reference
Letter of Submittal Checklist and Contents	Attachment 4.0.1.1	Section 4.0.1.1	1-2
Acknowledgement of RFP, Revisions, and/or Addenda	Attachment 3.4 (Form C-78-RFP)	Sections 3.4; 4.0.1.1	3
Letter of Submittal	NA	Sections 4.1	4-5
Letter of Submittal on Offeror's letterhead	NA	Section 4.1.1	4
Offeror's full legal name and address	NA	Section 4.1.1	4
Authorized representative's original signature	NA	Section 4.1.1	5
Declaration of intent	NA	Section 4.1.2	4
120 day declaration	NA	Section 4.1.3	4
Point of Contact information	NA	Section 4.1.4	4
Principal Officer information	NA	Section 4.1.5	4
Offeror's Corporate Structure	NA	Section 4.1.6	4
Full Legal Name of Lead Contractor and Lead Designer	NA	Section 4.1.7	4
Offeror's VDOT prequalification information	NA	Section 4.1.8	5
DBE statement confirming Offeror is committed to achieving the required 12% DBE goal	NA	Section 4.1.9	5
Interim Milestone and Final Completion Dates	NA	Section 4.1.10	5

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
Attachments to the Letter of Submittal	NA	Section 4.2	
Affiliated and/ or Subsidiary Companies	Attachment 4.2.1	Section 4.2.1	6
Certification Regarding Debarment Forms	Attachment 4.2.20(a) Attachment 4.2.2(b)	Section 4.2.2	7-15
Offeror's VDOT prequalification certificate	NA	Section 4.2.3	16
Evidence of obtaining bonding	NA	Section 4.2.4	17-21
Full size copies of DPOR licenses and SCC registrations	NA	Section 4.2.5	24-42
SCC registration information - businesses	Attachment 4.2.5	Section 4.2.5.1	22-23
DPOR registration information - businesses	Attachment 4.2.5	Section 4.2.5.2	22-23
Lead Contractor Work History Form	Attachment 4.2.6(a)	Section 4.2.6	43-45
Lead Designer Work History Form	Attachment 4.2.6(b)	Section 4.2.6	46-48
Conceptual Roadway Plans	NA	Section 4.2.7	49-66
Conceptual Bridge Plans	NA	Section 4.2.8	67-68

Form C-78-RFP

ATTACHMENT 3.4

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION

RFP NO. C00081457DB57

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

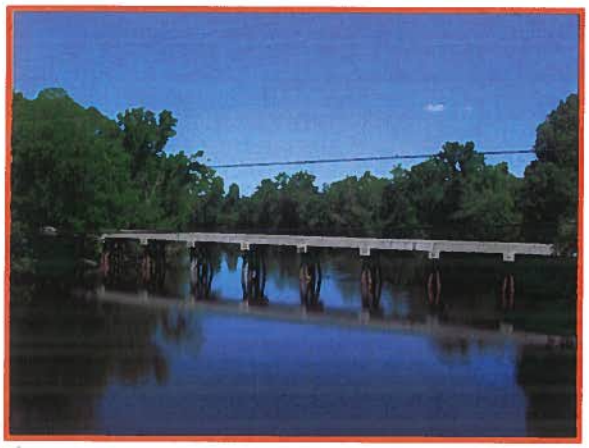
ACKNOWLEDGEMENT OF RFP, REVISION AND/OR ADDENDA

Acknowledgement shall be made of receipt of the Request for Proposals (RFP) and/or any and all revisions and/or addenda pertaining to the above designated project which are issued by the Department prior to the Letter of Submittal submission date shown herein. Failure to include this acknowledgement in the Letter of Submittal may result in the rejection of your proposal.

By signing this Attachment 3.4, the Offeror acknowledges receipt of the RFP and/or following revisions and/or addenda to the RFP for the above designated project which were issued under cover letter(s) of the date(s) shown hereon:

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

SIGNATURE	September 11, 2013 DATE
Arthur C. Cox, III PRINTED NAME	Vice President TITLE



4.1 LETTER OF SUBMITTAL

CORMAN CONSTRUCTION

12001 Guilford Road
Annapolis Junction, MD 20701

Tel: 410-792-9400 Balt
Tel: 301-953-0900 DC
Fax: 301-953-0384

September 11, 2013

Mr. Joseph Clarke, PE
Virginia Department of Transportation
1401 East Broad Street
Annex Building, 8th Floor
Richmond, VA 23219

RE: Design Build Route 35 Bridge Replacement
State Project No.: (NFO) 0035-087-112, PE-101, RW-201, C-501, B-604
Federal Project No.: BR-087-5(014) / Contract ID Number: C00081457DB57

Dear Mr. Clarke:

In response to the above referenced RFP, Corman Construction, Inc. (Corman) is pleased to submit the following:

- 1 original Letter of Submittal and Attachments to the Letter of Submittal and one DVD-ROM containing the proposal in a single cohesive Adobe PDF file,
- 1 original Price Proposal and one CD-ROM containing the Price Proposal in a single cohesive Adobe PDF file.

4.1.2 Corman declares that, if selected, we will enter into a contract with VDOT for the Project in accordance with the terms of this RFP.

4.1.3 Pursuant to Part 1, Section 8.2, Corman declares that the offer represented by our Price Proposal will remain in full force and effect for 120 days after the date the Proposal is submitted to VDOT.

4.1.4 Point of Contact: Louis Robbins, PE, DBIA, Vice President Design-Build, Corman Construction, Inc., 12001 Guilford Road, Annapolis Junction, MD; 301-953-0900 (T); 301-953-0384 (F); 703-772-8566 (C); lrobbins@cormanconstruction.com

Alternative Point of Contact: Ryan Gorman, PE, DBIA, Business Development Manager/Sr. Estimator, Corman Construction, Inc., 16500 Happy Hill Road, Colonial Heights, VA 23834; 804-520-9766 x157 (T), 804-520-9810 (F), 804-400-4521(C), or rgorman@cormanconstruction.com,

4.1.5 Principal Officer: Arthur C. Cox, III, Vice President, Corman Construction, Inc., 12001 Guilford Road, Annapolis Junction, MD 20701; 301-953-0900 (T), 240-882-3973 (C).

4.1.6 Corman will be the design-build contracting entity for the Route 35 Bridge Replacement project in Southampton County, VA. Corman is a corporation titled in Delaware, a wholly-owned subsidiary of CG Enterprises, Inc., and will be the sole major participant firm and responsible party to the design-build contract with the Virginia Department of Transportation (VDOT). Corman will hold all financial responsibility for the contract (a surety letter is attached). In addition, we are an active participant in the eVA Internet procurement solution program (Registration Number E27577).

4.1.7 Corman Construction, Inc. is the Lead Contractor and Volkert & Associates, Inc. (Volkert) is the Lead Designer.

4.1.8 Corman is pre-qualified with VDOT (Vendor Number C097 – Active) to provide Grading, Major Structures, Minor Structures and Underground Utilities. Evidence is in the Attachments to the Letter of Submittal.

4.1.9 Corman is committed to achieving a 12% DBE participation goal for the entire value of the contract.

4.1.10 Interim Milestone Date: 10/30/15; Final Completion Date: 11/30/15.

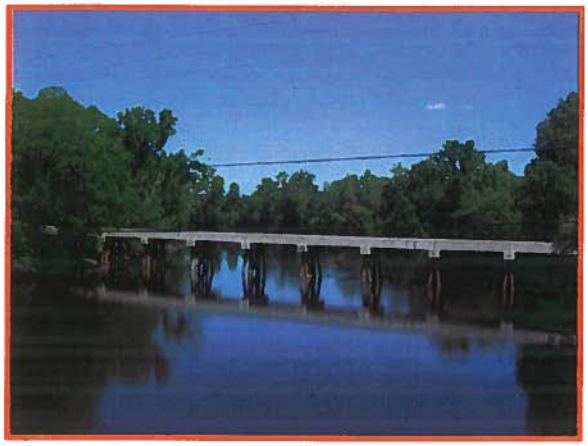
Our signature below affirms the information supplied in this proposal is true and accurate to the best of our knowledge.

The Corman/Volkert Team are enthusiastic about the opportunity to participate in the design-build process for the Route 35 Bridge Replacement project and are confident we will complete it on time and within budget. Collectively, Corman and Volkert bring the leadership, skills, and shared core values to assist VDOT in delivering projects that set the standards for others to follow.

Sincerely,

CORMAN CONSTRUCTION, INC.

Arthur C. Cox, III, Vice President



4.2 ATTACHMENTS TO THE LETTER OF SUBMITTAL

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
Affiliate (Parent)	CG Enterprises, Inc.	12001 Guilford Road, Annapolis Junction, MD 20701
Affiliate (Sister)	Corman Marine Construction, Inc.	711 East Ordnance Road, Suite 715, Baltimore, MD 21226
Affiliate (Joint Venture)	CK Constructors, A Joint Venture	c/o Corman Construction, Inc., 12001 Guilford Road, Annapolis Junction, MD 20701
Affiliate (Joint Venture)	Intercounty Constructors Joint Venture	c/o Granite Construction Northeast, Inc., 120 White Plains Road, Suite 310, Tarrytown, NY 10591
Affiliate (Joint Venture)	MD 200 Constructors, A Joint Venture	c/o Kiewit Infrastructure South Co., 11710 Beltsville Drive, Beltsville, MD 20705
Affiliate (Joint Venture)	Wagman, Corman, McLean Joint Venture	c/o GA & FC Wagman, Inc., 3290 North Susquehanna Trail, York, PA 17406
Affiliate (Joint Venture)	Corman- Wagman, A Joint Venture	c/o Corman Construction, Inc., 12001 Guilford Road, Annapolis Junction, MD 20701

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.

Signature Date Vice President
Title

Corman Construction, Inc.
Name of Firm

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

Project: 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.

Dennis C Morrison — August 2, 2013 — Senior Vice President

Signature — Date — Title

Volkert, Inc.

Name of Firm

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

Project: 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.

Edward G. Drator July 31, 2013 Senior Reviewer
Signature Date Title

Schnabel Engineering Consultants, 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.

Leslie R Bynsche 8/1/13 Vice President
Signature Date Title

H&B Surveying and Mapping, LLC
Name of Firm

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

Project: 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.

Carya A. Horne	7-31-2013	President
Signature	Date	Title

Utility Professional Services, Inc.
Name of Firm

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

Project: 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.

	8/1/2013	Principal
Signature	Date	Title

Sabra, Wang & Associates, Inc.
Name of Firm

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

Project: 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.

	8/1/13	Vice President of Finance
Signature	Date	Title

McCormick Taylor, Inc.
Name of Firm

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

Project: 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.

	08-02-13	President
Signature	Date	Title

Engineering and Testing Consultants, Inc.
Name of Firm

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

Project: 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.

	7/31/2013	Managing Partner
Signature	Date	Title

Crider, Bouye & Elliott, LLC
Name of Firm

C097
CORMAN CONSTRUCTION, INC.
PREQ. EXP : 03/31/2014

--PREQ ADDRESS ---------- WORK CLASSES (LISTED BUT NOT LIMITED TO)
12001 GUILFORD ROAD 002 - GRADING
ANNAPOLIS, MD 20701-1201 003 - MAJOR STRUCTURES
PHONE : 410-792-9400 007 - MINOR STRUCTURES
FAX : 301-953-0384 045 - UNDERGROUND UTILITIES

BUSINESS CONTACT: PENA, KENNETH JOHN
EMAIL: BHULME@CORMANCONSTRUCTION.COM
------DBE INFORMATION------

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

C1140
CORMAN MARINE CONSTRUCTION, INC.
PREQ. EXP : 03/31/2014

--PREQ ADDRESS ---------- WORK CLASSES (LISTED BUT NOT LIMITED TO)
12001 GUILFORD RD 030 - PILE DRIVING AND CAISSONS
ANNAPOLIS JUNCTION, MD 20701-1201 054 - MARINE CONSTRUCTION
PHONE : 301-953-0900 082 - SHORING AND SHEETING
FAX : 301-953-0384

BUSINESS CONTACT: PENA, KENNETH JOHN
EMAIL: BHULME@CORMANCONSTRUCTION.COM
------DBE INFORMATION------

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

CONSTRUCTION RISK SOLUTIONS, LLC.

Construction Risk Solutions, LLC
11311 McCormick Road, Suite 450
Hunt Valley, MD 21030
Main: 443-798-7499
Fax: 443-798-7290

September 5, 2013

State of Virginia
Virginia Department of Transportation
1401 East Broad Street, Annex Bldg., 8th Floor
Richmond, VA 23219
Attn: Mr. Joseph Clarke, P.E.

Re: Corman Construction, Inc. – Surety Qualification
Route 35 Bridge Replacement & Approaches over the Nottoway River
Project: (NFO) 0035-087-112, PE-101, RW-201, C-501, B-604
Contract ID No.: C00081457DB57

Dear Mr. Clarke:

As Surety for Corman Construction, Inc., Fidelity and Deposit Company of Maryland (Zurich) with A.M. Best Financial Strength Rating "A+" and Financial Size Category "XV" is capable of obtaining 100% Performance Bond and 100% Labor and Materials Payment Bond in the amount of the estimate contract value of $10,500,000.00, and said bonds will cover the Project and any warranty periods as provided for in the Contract Documents on behalf of Corman Construction, Inc., in the event that such firm be successful bidder and enter into a contract for this Project.

Fidelity and Deposit Company of Maryland (Zurich) has handled all of Corman Construction, Inc.'s bonding needs for over twenty (20) years. Based on Corman Construction, Inc.'s financial strength and track record, Fidelity and Deposit Company of Maryland (Zurich) has extended a bond program of $150,000,000 single/$400,000,000 aggregate total program. These are not the maximum limits but rather are general parameters to handle the company's day to day bonding needs.

Our consideration and issuance of bonds is a matter solely between Corman Construction, Inc. and ourselves, and we assume no liability to third parties or to you by the issuance of this letter.

We trust that this information meets with your satisfaction. If there are further questions, please feel free to contact me.

Sincerely,

Robert A. Chlada,
Attorney-in-Fact

Commonwealth of Virginia

STATE CORPORATION COMMISSION

July 1, 2013

FIDELITY AND DEPOSIT COMPANY OF MARYLAND
600 RED BROOK BLVD
OWINGS MILLS MD 21117-5153

is hereby licensed to transact the business of

Aircraft Liability	Glass
Auto Liability	Homeowners Multi-Peril
Auto Physical Damage	Inland Marine
Boiler & Machinery	Liability Other than Auto
Burglary & Theft	Misc Property & Casualty
Commercial Multi-Peril	Ocean Marine
Credit	Surety
Credit Property Insurance	Water Damage
Fidelity	Workers Compensation & Employers'
Fire	Liability

in the Commonwealth of Virginia through the thirtieth day of June next succeeding the date hereof unless this license shall be sooner revoked or otherwise cancelled.

ID: 39306

STATE CORPORATION COMMISSION VIRGINIA SIC SEMPER TYRANNIS BUREAU OF INSURANCE

State Corporation Commission
Bureau of Insurance

By: Jacqueline K. Cunningham
Commissioner

FIDELITY AND DEPOSIT COMPANY

OF MARYLAND

600 Red Brook Blvd., Suite 600, Owings Mills, MD 21117

Statement of Financial Condition

As Of December 31, 2012

ASSETS

Bonds	$ 157,177,826
Stocks	23,000,311
Cash and Short Term Investments	119,155
Reinsurance Recoverable	17,923,564
Other Accounts Receivable	35,473,256
TOTAL ADMITTED ASSETS	$ 233,694,113

LIABILITIES, SURPLUS AND OTHER FUNDS

Reserve for Taxes and Expenses		$ 74,782
Ceded Reinsurance Premiums Payable		48,323,524
Securities Lending Collateral Liability		1,716,240
TOTAL LIABILITIES		$ 50,114,546
Capital Stock, Paid Up	$ 5,000,000	
Surplus	178,579,567	
Surplus as regards Policyholders		183,579,567
TOTAL		$ 233,694,113

Securities carried at $59,468,002 in the above statement are deposited as required by law.

Securities carried on the basis prescribed by the National Association of Insurance Commissioners. On the basis of December 31, 2012 market quotations for all bonds and stocks owned, the Company's total admitted assets would be $243,518,971 and surplus as regards policyholders $193,404,425.

I, DENNIS F. KERRIGAN, Corporate Secretary of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, do hereby certify that the foregoing statement is a correct exhibit of the assets and liabilities of the said Company on the 31st day of December, 2012.

Corporate Secretary

State of Illinois
City of Schaumburg } SS:

Subscribed and sworn to, before me, a Notary Public of the State of Illinois, in the City of Schaumburg, this 15th day of March, 2013.

Notary Public

OFFICIAL SEAL
DARRYL JOINER
Notary Public - State of Illinois
My Commission Expires May 3, 2014

ZURICH AMERICAN INSURANCE COMPANY
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY
FIDELITY AND DEPOSIT COMPANY OF MARYLAND
POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That the ZURICH AMERICAN INSURANCE COMPANY, a corporation of the State of New York, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, a corporation of the State of Maryland, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND a corporation of the State of Maryland (herein collectively called the "Companies"), by **JAMES M. CARROLL, Vice President,** in pursuance of authority granted by Article V, Section 8, of the By-Laws of said Companies, which are set forth on the reverse side hereof and are hereby certified to be in full force and effect on the date hereof, do hereby nominate, constitute, and appoint **Joseph A. PIERSON, Robert A. CHLADA, Cynthia M. CHARYAT, April O. COMPTON, Dennis C. OURAND, Steven A. DZURIK, JR., John J. MARKOTIC and Diane S. LOUGHRY, all of Hunt Valley, Maryland, EACH** its true and lawful agent and Attorney-in-Fact, to make, execute, seal and deliver, for, and on its behalf as surety, and as its act and deed: **any and all bonds and undertakings,** and the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Companies, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the ZURICH AMERICAN INSURANCE COMPANY at its office in New York, New York., the regularly elected officers of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at its office in Owings Mills, Maryland., and the regularly elected officers of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at its office in Owings Mills, Maryland., in their own proper persons.

The said Vice President does hereby certify that the extract set forth on the reverse side hereof is a true copy of Article V, Section 8, of the By-Laws of said Companies, and is now in force.

IN WITNESS WHEREOF, the said Vice-President has hereunto subscribed his/her names and affixed the Corporate Seals of the said **ZURICH AMERICAN INSURANCE COMPANY, COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and FIDELITY AND DEPOSIT COMPANY OF MARYLAND**, this 7th day of May, A.D. 2013.

ATTEST:

ZURICH AMERICAN INSURANCE COMPANY
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY
FIDELITY AND DEPOSIT COMPANY OF MARYLAND

By: _____
Assistant Secretary
Eric D. Barnes

_____
Vice President
James M. Carroll

State of Maryland
City of Baltimore

On this 7th day of May, A.D. 2013, before the subscriber, a Notary Public of the State of Maryland, duly commissioned and qualified, **JAMES M. CARROLL, Vice President, and ERIC D. BARNES, Assistant Secretary,** of the Companies, to me personally known to be the individuals and officers described in and who executed the preceding instrument, and acknowledged the execution of same, and being by me duly sworn, deposeth and saith, that he/she is the said officer of the Company aforesaid, and that the seals affixed to the preceding instrument are the Corporate Seals of said Companies, and that the said Corporate Seals and the signature as such officer were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporations.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal the day and year first above written.

_____
Constance A. Dunn, Notary Public
My Commission Expires: July 14, 2015

POA-F 025-0056C

EXTRACT FROM BY-LAWS OF THE COMPANIES

"Article V, Section 8, Attorneys-in-Fact. The Chief Executive Officer, the President, or any Executive Vice President or Vice President may, by written instrument under the attested corporate seal, appoint attorneys-in-fact with authority to execute bonds, policies, recognizances, stipulations, undertakings, or other like instruments on behalf of the Company, and may authorize any officer or any such attorney-in-fact to affix the corporate seal thereto; and may with or without cause modify of revoke any such appointment or authority at any time."

CERTIFICATE

I, the undersigned, Vice President of the ZURICH AMERICAN INSURANCE COMPANY, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, do hereby certify that the foregoing Power of Attorney is still in full force and effect on the date of this certificate; and I do further certify that Article V, Section 8, of the By-Laws of the Companies is still in force.

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the ZURICH AMERICAN INSURANCE COMPANY at a meeting duly called and held on the 15th day of December 1998.

RESOLVED: "That the signature of the President or a Vice President and the attesting signature of a Secretary or an Assistant Secretary and the Seal of the Company may be affixed by facsimile on any Power of Attorney...Any such Power or any certificate thereof bearing such facsimile signature and seal shall be valid and binding on the Company."

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at a meeting duly called and held on the 5th day of May, 1994, and the following resolution of the Board of Directors of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at a meeting duly called and held on the 10th day of May, 1990.

RESOLVED: "That the facsimile or mechanically reproduced seal of the company and facsimile or mechanically reproduced signature of any Vice-President, Secretary, or Assistant Secretary of the Company, whether made heretofore or hereafter, wherever appearing upon a certified copy of any power of attorney issued by the Company, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seals of the said Companies, this 5th day of September, 2013.

Geoffrey Delisio

Geoffrey Delisio, Vice President

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
Corman Construction, Inc.	F046798-7	Incorporated	Active	12001 Guilford Road Annapolis Junction, MD 20701	Class A Contractors License	2701 014794A	10/31/13
Volkert, Inc.	F136659-2	Incorporated	Active	5400 Shawnee Road Suite 301 Alexandria, VA 22312	Business Entity – Eng, LA	0407002610	12/31/13
Schnabel Engineering Consultants, Inc.	07126741	Corporation	Active	One Cary Street, Richmond, VA 23220	Branch Office – Eng.	0411000700	2/28/14
H&B Surveying & Mapping, LLC	S290560-4	LLC	Active	612 Hull Street Suite 101B Richmond, VA 23224	Business Entity- LS	0407005432	12/31/13
Utility Professional Services, Inc.	0588987-8	S Corporation	Active	P.O.Box 923 Colonial Beach, VA 22443	Business Entity- Eng.	0407005942	12/31/13
Sabra, Wang & Associates, Inc.	F134320-3	S Corp.	Active	101 W. Broad Street Suite 201 Falls Church, VA 22046	Business Entity- Eng.	0407005636	12/31/13
McCormick Taylor, Inc.	F129691-4	Incorporated	Active	North Shore Commons A 4951 Lake Brook Dr. Suite 275 Glen Allen, VA 23060	Business Entity- Eng.	0407004111	12/31/13
McCormick Taylor, Inc.	F129691-4	Incorporated	Active	113 Mill Place Parkway, Unit 103 Verona, VA 24482	Branch Office- Eng.	0411000771	2/28/14

ATTACHMENT 4.2.5

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

SCC and DPOR Information - Businesses

Engineering and Testing Consultants, Inc.	0408097-4	Incorporated	Active	509 Viking Drive Suite B Virginia Beach, VA 23452	Business Entity: Eng.	0407003186	12/31/13
Crider, Bouye, & Elliott, LLC	T050151-2	LLC	Active	2 Ridgeway Ave. Greenville, SC 29607	Appraisal Business	4008001745	6/30/14

Commonwealth of Virginia
State Corporation Commission

08/05/13
CISM0180 CORPORATE DATA INQUIRY 16:28:28

CORP ID: F046798 - 7 STATUS: 00 ACTIVE STATUS DATE: 01/06/06
CORP NAME: CORMAN CONSTRUCTION, INC.

DATE OF CERTIFICATE: 11/02/1984 PERIOD OF DURATION: INDUSTRY CODE: 00
STATE OF INCORPORATION: DE DELAWARE STOCK INDICATOR: S STOCK
MERGER IND: CONVERSION/DOMESTICATION IND:
GOOD STANDING IND: Y MONITOR INDICATOR:
CHARTER FEE: MON NO: MON STATUS: MONITOR DTE:
R/A NAME: CT CORPORATION SYSTEM

STREET: 4701 COX RD STE 301 AR RTN MAIL:

CITY: GLEN ALLEN STATE : VA ZIP: 23060 6802
R/A STATUS: 5 B.E. AUTH IN VI EFF. DATE: 01/05/04 LOC : 143
ACCEPTED AR#: 212 16 1202 DATE: 10/12/12 HENRICO COUNTY
CURRENT AR#: 212 16 1202 DATE: 10/12/12 STATUS: A ASSESSMENT INDICATOR: 0

YEAR	FEES	PENALTY	INTEREST	TAXES	BALANCE	TOTAL SHARES
12	100.00					1,000

(Screen Id:/Corp_Data_Inquiry)

Commonwealth of Virginia
State Corporation Commission

08/05/13
CISM0180 CORPORATE DATA INQUIRY 16:42:07

CORP ID: F136659 - 2 STATUS: 00 ACTIVE STATUS DATE: 01/21/99
CORP NAME: Volkert, Inc.

DATE OF CERTIFICATE: 01/21/1999 PERIOD OF DURATION: INDUSTRY CODE: 00
STATE OF INCORPORATION: AL ALABAMA STOCK INDICATOR: S STOCK
MERGER IND: S SURVIVOR CONVERSION/DOMESTICATION IND:
GOOD STANDING IND: Y MONITOR INDICATOR:
CHARTER FEE: 50.00 MON NO: MON STATUS: MONITOR DTE:
R/A NAME: CORPORATION SERVICE COMPANY

STREET: BANK OF AMERICA CENTER, 16TH FLOOR AR RTN MAIL:
1111 EAST MAIN ST.
CITY: RICHMOND STATE : VA ZIP: 23219
R/A STATUS: 5 B.E. AUTH IN VI EFF. DATE: 07/13/11 LOC : 216
ACCEPTED AR#: 213 01 4511 DATE: 12/17/12 RICHMOND CITY
CURRENT AR#: 213 01 4511 DATE: 12/17/12 STATUS: A ASSESSMENT INDICATOR: 0

YEAR	FEES	PENALTY	INTEREST	TAXES	BALANCE	TOTAL SHARES
13	100.00					2,250

(Screen Id:/Corp_Data_Inquiry)

SCC eFile
FAST. SIMPLE. SECURE.

SCC eFile
Business Entity Details

Help

Schnabel Engineering Consultants, Inc.

General

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

Principal Office

1054 TECHNOLOGY PARK DR
GLEN ALLEN VA23059

Registered Agent/Registered Office

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

Select an action

- File a registered agent change
- File a registered office address change
- Resign as registered agent
- File an annual report
- Pay annual registration fee
- Order a certificate of good standing
- Submit a PDF for processing (What can I submit?)
- View eFile transaction history
- Manage email notifications

Screen ID: e1000

Commonwealth of Virginia
State Corporation Commission

08/05/13
LLCM3220 LLC DATA INQUIRY 16:54:10

LLC ID: S290560 - 4 STATUS: 00 ACTIVE STATUS DATE: 04/27/09
LLC NAME: H & B Surveying and Mapping, LLC

DATE OF FILING: 04/27/2009 PERIOD OF DURATION: INDUSTRY CODE: 00
STATE OF FILING: VA VIRGINIA MERGER INDICATOR:
CONVERSION/DOMESTICATION INDICATOR:

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

STREET: 612 HULL STREET STE 101B

CITY: RICHMOND STATE: VA ZIP: 23224-0000

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

R/A NAME: TIMOTHY H GUARE

STREET: TIMOTHY H GUARE PLC
6802 PARAGON PL STE 100 RTN MAIL:
CITY: HENRICO STATE: VA ZIP: 23230-0000
R/A STATUS: 4 MEMBER OF VSB EFF DATE: 07/02/09 LOC: 143 HENRICO COUNTY

YEAR	FEES	PENALTY	INTEREST	BALANCE
13	50.00			

(Screen Id:/LLC_Data_Inquiry)

S
Cor

Commonwealth of Virginia
State Corporation Commission

08/05/13
CISM0180 CORPORATE DATA INQUIRY 17:23:02

CORP ID: 0588987 - 8 STATUS: 00 ACTIVE STATUS DATE: 12/31/02
CORP NAME: Utility Professional Services, Inc.

DATE OF CERTIFICATE: 12/31/2002 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: FREDERIC N HOWE III

STREET: 390 SHORE DRIVE AR RTN MAIL:
P.O. BOX 923
CITY: COLONIAL BEACH STATE : VA ZIP: 22443
R/A STATUS: 2 OFFICER EFF. DATE: 07/16/13 LOC : 196
ACCEPTED AR#: 212 16 5141 DATE: 10/23/12 WESTMORELAND CO
CURRENT AR#: 212 16 5141 DATE: 10/23/12 STATUS: A ASSESSMENT INDICATOR: 0

YEAR	FEES	PENALTY	INTEREST	TAXES	BALANCE	TOTAL SHARES
12	100.00					100

(Screen Id:/Corp_Data_Inquiry)

Commonwealth of Virginia
State Corporation Commission

08/05/13
CISM0180 CORPORATE DATA INQUIRY 17:30:26

CORP ID: F134320 - 3 STATUS: 00 ACTIVE STATUS DATE: 06/30/98
CORP NAME: SABRA, WANG & ASSOCIATES, INC.

DATE OF CERTIFICATE: 06/30/1998 PERIOD OF DURATION: INDUSTRY CODE: 00
STATE OF INCORPORATION: MD MARYLAND STOCK INDICATOR: S STOCK
MERGER IND: CONVERSION/DOMESTICATION IND:
GOOD STANDING IND: Y MONITOR INDICATOR:
CHARTER FEE: 50.00 MON NO: MON STATUS: MONITOR DTE:
R/A NAME: RAYMOND H SUTTLE JR

STREET: 701 TOWN CENTER DRIVE AR RTN MAIL:
SUITE 800
CITY: NEWPORT NEWS STATE : VA ZIP: 23606
R/A STATUS: 4 ATTORNEY EFF. DATE: 04/14/11 LOC : 211
ACCEPTED AR#: 213 08 3765 DATE: 05/13/13 NEWPORT NEWS CI
CURRENT AR#: 213 08 3765 DATE: 05/13/13 STATUS: A ASSESSMENT INDICATOR: 0

YEAR	FEES	PENALTY	INTEREST	TAXES	BALANCE	TOTAL SHARES
13	100.00					5,000

(Screen Id:/Corp_Data_Inquiry)

S
Cor

Commonwealth of Virginia
State Corporation Commission

08/16/13
CISM0180 CORPORATE DATA INQUIRY 15:26:30

CORP ID: F129691 - 4 STATUS: 00 ACTIVE STATUS DATE: 07/28/03
CORP NAME: McCORMICK TAYLOR, INC.

DATE OF CERTIFICATE: 06/02/1997 PERIOD OF DURATION: INDUSTRY CODE: 00
STATE OF INCORPORATION: PA PENNSYLVANIA STOCK INDICATOR: S STOCK
MERGER IND: CONVERSION/DOMESTICATION IND:
GOOD STANDING IND: Y MONITOR INDICATOR:
CHARTER FEE: 150.00 MON NO: MON STATUS: MONITOR DTE:
R/A NAME: RICHARD A BUTALA

STREET: NORTH SHORE COMMONS A AR RTN MAIL:
4951 LAKE BROOK DR STE 275
CITY: GLEN ALLEN STATE : VA ZIP: 23060
R/A STATUS: 2 OFFICER EFF. DATE: 03/05/04 LOC : 143
ACCEPTED AR#: 213 09 8993 DATE: 06/14/13 HENRICO COUNTY
CURRENT AR#: 213 09 8993 DATE: 06/14/13 STATUS: A ASSESSMENT INDICATOR: 0

YEAR	FEES	PENALTY	INTEREST	TAXES	BALANCE	TOTAL SHARES
13	490.00					70,000

(Screen Id:/Corp_Data_Inquiry)

30

Commonwealth of Virginia
State Corporation Commission

08/16/13
CISM0180 CORPORATE DATA INQUIRY 15:31:32

CORP ID: 0408097 - 4 STATUS: 00 ACTIVE STATUS DATE: 04/14/93
CORP NAME: ENGINEERING AND TESTING CONSULTANTS, INC.

DATE OF CERTIFICATE: 04/14/1993 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: DEBORAH CACACE

STREET: 509 VIKING DR STE B AR RTN MAIL:

CITY: VIRGINIA BEACH STATE : VA ZIP: 23452 7323
R/A STATUS: 2 OFFICER EFF. DATE: 06/20/02 LOC : 228
ACCEPTED AR#: 213 06 3142 DATE: 03/28/13 VIRGINIA BEACH
CURRENT AR#: 213 06 3142 DATE: 03/28/13 STATUS: A ASSESSMENT INDICATOR: 0

YEAR	FEES	PENALTY	INTEREST	TAXES	BALANCE	TOTAL SHARES
13	100.00					5,000

(Screen Id:/Corp_Data_Inquiry)

Commonwealth of Virginia
State Corporation Commission

08/16/13
LLCM3220 LLC DATA INQUIRY 15:21:30

LLC ID: T050151 - 2 STATUS: 00 ACTIVE STATUS DATE: 05/22/12
LLC NAME: Crider, Bouye & Elliott, LLC

DATE OF FILING: 05/22/2012 PERIOD OF DURATION: 99/99/9999 INDUSTRY CODE: 00
STATE OF FILING: SC SOUTH CAROLINA MERGER INDICATOR:
CONVERSION/DOMESTICATION INDICATOR:

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

STREET: 2 RIDGEWAY AVE

CITY: GREENVILLE STATE: SC ZIP: 29607-0000

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

R/A NAME: NATIONAL REGISTERED AGENTS INC

STREET: 4701 COX RD

RTN MAIL:

CITY: GLEN ALLEN STATE: VA ZIP: 23060-0000
R/A STATUS: 5 ENTITY AUTHORIZ EFF DATE: 05/22/12 LOC: 143 HENRICO COUNTY

YEAR	FEES	PENALTY	INTEREST	BALANCE
13	50.00			

(Screen Id:/LLC_Data_Inquiry)

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

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

EXPIRES ON
10-31-2013

NUMBER
2701 014794A

BOARD FOR CONTRACTORS
CLASS A CONTRACTORS LICENSE

CORMAN CONSTRUCTION INC

12001 GUILFORD RD

ANNAPOLIS JUNCTION MD 20701 0160

CLASSIFICATIONS H/H

Gordon N. Dixon, Director

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

(POCKET CARD)

COMMONWEALTH OF VIRGINIA

BOARD FOR CONTRACTORS - CLASS A
CONTRACTOR LICENSE - CLASSIFICATIONS: H/H

NUMBER: 2701 014794A EXPIRES: 10-31-2013
CORMAN CONSTRUCTION INC

12001 GUILFORD RD

ANNAPOLIS JUNCTION MD 20701 0160

(FOLD)

(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 REG LATION
COMMONWEALTH OF RGINIA

EXPIRES ON
12-31-2013

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

NUMBER
407002610

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

PROFESSIONS: ENG, LA

VOLKERT INC
5400 SHAWNEE RD
STE 301
ALEXANDRIA, VA 22312

Gordon N. Dixon, Director

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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
0411000700

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

PROFESSIONS: ENG

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

Gordon N. Dixon, Director

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(POCKET CARD)

COMMONWEALTH OF VIRGINIA
BOARD FOR APELSCIDLA
BUSINESS ENTITY BRANCH OFFICE REGISTRATION
NUMBER: 0411000700 EXPIRES: 02-28-2014
PROFESSIONS: ENG
SCHNABEL ENGINEERING CONSULTANTS, INC
ONE CARY STREET
RICHMOND, VA 23220

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9960 Mayland Dr., Suite 400, Richmond, VA 23233

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COMMONWEALTH OF VIRGINIA

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

EXPIRES ON
12-31-2013

NUMBER
0407005432

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

PROFESSIONS: LS

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

Gordon N. Dixon, Director

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DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

EXPIRES ON
12-31-2013

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

NUMBER
0407005942

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

PROFESSIONS: ENG

UTILITY PROFESSIONAL SERVICES INC
UTILITY PROS
P O BOX 923
COLONIAL BEACH, VA 22443

Gordon N. Dixon, Director

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

(POCKET CARD)

COMMONWEALTH OF VIRGINIA
BOARD FOR APELSCIDLA
BUSINESS ENTITY REGISTRATION
NUMBER: 0407005942 EXPIRES: 12-31-2013
PROFESSIONS: ENG
UTILITY PROFESSIONAL SERVICES INC UTILITY PROS
P O BOX 923
COLONIAL BEACH, VA 22443

(FOLD)

(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
12-31-2013

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

NUMBER
0407005636

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

PROFESSIONS: ENG

SABRA, WANG & ASSOCIATES, INC
101 W BROAD ST
SUITE 301
FALLS CHURCH, VA 22046

Gordon N. Dixon, Director

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

(POCKET CARD)

COMMONWEALTH OF VIRGINIA
BOARD FOR APELSCIDLA
BUSINESS ENTITY REGISTRATION
NUMBER: 0407005636 EXPIRES: 12-31-2013
PROFESSIONS: ENG
SABRA, WANG & ASSOCIATES, INC
101 W BROAD ST
SUITE 301
FALLS CHURCH, VA 22046

(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
12-31-2013

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

NUMBER
0407004111

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

PROFESSIONS: ENG

MCCORMICK TAYLOR INC
NORTH SHORE COMMONS A
4951 LAKE BROOK DR SUITE 275
GLEN ALLEN, VA 23060

Gordon N. Dixon, Director

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

(POCKET CARD)

COMMONWEALTH OF VIRGINIA

BOARD FOR APELSCIDLA
BUSINESS ENTITY REGISTRATION
NUMBER: 0407004111 EXPIRES: 12-31-2013
PROFESSIONS: ENG
MCCORMICK TAYLOR INC
NORTH SHORE COMMONS A
4951 LAKE BROOK DR SUITE 275
GLEN ALLEN, VA 23060

(FOLD)

(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

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

NUMBER
0411000771

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

PROFESSIONS: ENG

MCCORMICK TAYLOR INC
113 MILL PLACE PARKWAY
UNIT 103
VERONA, VA 24482

Gordon N Dixon, Director

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

(DETACH HERE)

COMMONWEALTH OF VIRGINIA
BOARD FOR APELSCIDLA
BUSINESS ENTITY BRANCH OFFICE REGISTRATION
NUMBER. 0411000771 EXPIRES: 02-28-2014
PROFESSIONS: ENG
MCCORMICK TAYLOR INC
113 MILL PLACE PARKWAY
UNIT 103
VERONA, VA 24482

(FOLD)

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
12-31-2013

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

NUMBER
0407003186

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

PROFESSIONS: ENG

ENGINEERING AND TESTING CONSULTANTS INC
509 VIKING DRIVE
SUITE B
VIRGINIA BEACH, VA 23452

Gordon N. Dixon, Director

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

(POCKET CARD)

COMMONWEALTH OF VIRGINIA
BOARD FOR APELSCIDLA
BUSINESS ENTITY REGISTRATION
NUMBER: 0407003186 EXPIRES: 12-31-2013
PROFESSIONS: ENG
ENGINEERING AND TESTING CONSULTANTS INC
509 VIKING DRIVE
SUITE B
VIRGINIA BEACH, VA 23452

FOLD

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

EXPIRES ON
06-30-2014

NUMBER
4008 001745

REAL ESTATE APPRAISER BOARD
BUSINESS REGISTRATION

CRIDER BOUYE & ELLIOTT LLC

2 RIDGEWAY AVE

GREENVILLE SC 29607

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.

Gordon N. Dixon, Director

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

ATTACHMENT 4.2.6(a)

LEAD CONTRACTOR - WORK HISTORY FORM

(LIMIT 1 PAGE PER PROJECT)

a. Project Name & Location	b. Name of the prime design consulting firm responsible for the overall project design.	c. Contact information of the Client or Owner and their Project Manager who can verify Firm's responsibilities.	d. Contract Completion Date (Original)	e. Contract Completion Date (Actual or Estimated)	f. Contract Value (in thousands)		g. Dollar Value of Work Performed by the Firm identified as the Lead Contractor for this procurement.(in thousands)
					Original Contract Value	Final or Estimated Contract Value	
Benning Road Bridge Over Anacostia River, NE **Washington, DC**	**Volkert**	**DC Department of Transportation** **202 673-6813** **Said Cherifi, PE** **202-661-5305** **cherifis@pbworld.com** ***(now with Parsons Brinckerhoff)***	**7/1/03**	**9/19/03**	**$27,465**	**$27,094**	**$27,094**

h. Narrative describing the Work Performed by the Firm identified as the Lead Contractor for this procurement.

This was a phased demolition of the existing bridge and construction of a replacement bridge. The 550' long, 8-span, 8-lane concrete bridge was removed using mechanical means. Construction of the new bridge over the Anacosta River required installing and dewatering cofferdams as part of a new 4-span, 8-lane steel girder continuous structure spanning the Anacostia River for pier removal and construction. Project was completed under budget and ahead of schedule resulting from a successfully implemented Value Engineering solution that avoided costly utility relocations and potential lengthy delays.

Challenges

- Maintaining the large number of live utilities (11 bays)
- Access restrictions due to an elevated WMATA Metrorail line
- Removing arsenic-contaminated materials from the river bottom.

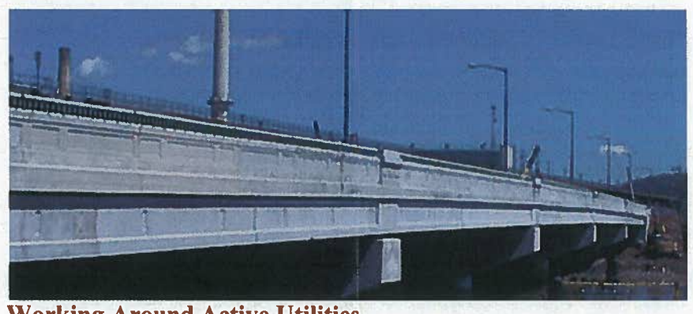
Cofferdams

There were a total of 12 cofferdams installed in 2 phases. Each cofferdam was constructed of PZ-27 sheet pile and were 16' x 40' x 18' deep, installed within the Anacostia River to protect the environment and seal off the river from entering the excavation. After driving sheet pile and installing one 36" support ring, a steel frame template was used to drive 60 H-piles inside each cofferdam. The template was removed and the bottom was filled with 3' of tremie concrete. Each cofferdam was continuously dewatered with the bottom approximately12' below water level. After dewatering, construction work included excavating and disposing 3' of hazardous materials from the river bottom, which was sent to an approved HAZMAT program disposal site. The cofferdam was now secure for bridge substructure construction.

The bridge was constructed over water and had a bridge value only in excess of $5,000,000

Bridge

The phased approach was an in-water removal of the existing bridge, including piers in the Anacostia River. Substructure excavation within the cofferdams required handling and disposing arsenic-contaminated materials. Once removed, new construction included cast-in-place abutments and pier caps with steel girders, architectural fascia panels, granite curbing and architectural parapets. This also required continuous support of twin PEPCO 69KVA high-voltage conduits.



Working Around Active Utilities

The initial contract required a three-phase demolition and replacement. It became evident in the planning stages that after the first phase, the conversion of the two 69kv electric lines and 36 communication lines would cause major delays. Corman partnered with the utility companies and owner for a successful plan that saved the utility companies $2.5 Million in relocation costs and a potential lengthy delay for the relocation period. Phasing for construction of the bridge was reduced from 3 to 2 phases, which reduced the number of concrete pours, eliminated the cost of temporarily relocating Pepco, Verizon and Washington Gas utility lines and prevented potential schedule delays.

ATTACHMENT 4.2.6(a)

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Route 340 Harpers Ferry Bridge Over Shenandoah River **Harpers Ferry, WV**	**Unknown**	**West Virginia Department of Transportation** **Gary S. Long –Construction Manager** **304-289-2251 –Telephone** **Gary.S.Long@wv.gov**	**10/31/00**	**11/10/00**	**$15,368**	**$16,175** ***(Unforeseen additional rock drilling)***	**$16,175**

h. Narrative describing the Work Performed by the Firm identified as the Lead Contractor for this procurement.

Construction of a 2-lane, 8-span (elevated 60'), 432-meter (1440') long bridge over Shenandoah River and CSX railroad in Harpers Ferry National Historic Park. Superstructure included 2 super-elevated curves; substructure included 7 piers founded on 3.7 meter diameter caissons drilled to 9 meters in competent rock. Abutments encompassed 960 square meters of architecturally-finished reinforced earth retaining walls.

Scope entailed 23,500 cubic meter rock embankment construction, some which were placed as a causeway to gain access to the 3 river pier locations.

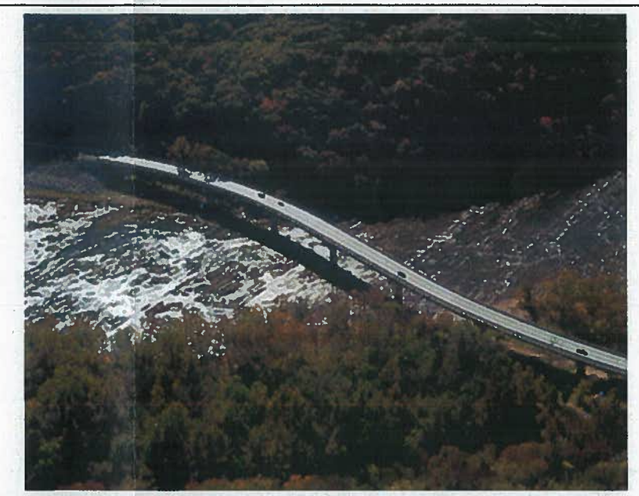
Caissons for the river piers were drilled and poured using cofferdam-like structures to partially dry the work area. These structures consisted of steel fabrications roughly fitted to the river bottom bedrock contours and extended above mean water level. The fabrications were sealed using sand bags and heavy plastic sheeting, so the volume of leakage into the caisson excavation could be controlled using traditional dewatering methods, such as 4" diesel pumps.

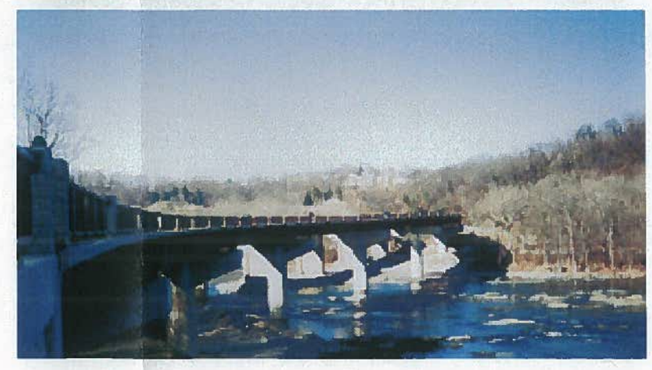
The7-pier substructure consisted of over 3,000 cubic meters of concrete. Extensive storm drainage and earthwork at the approaches were also performed. Upon completion and opening of the new structure, traffic was diverted from the old structure and existing bridge demolition was accomplished using controlled explosives.

The bridge was constructed over water and had a bridge only construction value in excess of $5,000,000.

Surrounded by Harpers Ferry National Historic Park land, environmental management was a paramount concern. An environmental response plan was in place for the project's duration, which consisted of environmental sensitivity, accident prevention equipment, and stocking of onsite precautionary devices (e.g., oil booms and specialized absorbent products). Biodegradable operating fluids were used in lieu of hydraulic fluid for all equipment traveling on the causeway or near the river edge. As a result, project was successfully completed with no environmental hazards and recreational activities, such as fishing, kayaking, rafting, and biking were safely maintained throughout the project.

The Harpers Ferry Bridge officially opened with a high-profile dedication ceremony was held to commemorate the achievement. In attendance were prominent state politicians, National Park Service senior representatives, and the West Virginia Division of Highways. This superstructure serves Appalachian Trail hikers, recreational, commuter, and commerce traffic through the heavily-traveled US-340 corridor and has received praise and accolades for its architecturally-enhanced appearance and structural quality.





ATTACHMENT 4.2.6(a)

LEAD CONTRACTOR - WORK HISTORY FORM

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MD Route 70 Rowe Blvd. Bridges **Annapolis, MD**	**KCI Technology**	**MD Department of Transportation/ State Highway Administration** **James Folden** **410-841-1031 -Telephone** **jfolden@sha.state.md.us**	**7/20/06**	**9/1/06**	**$28,461**	**$29,600**	**$29,600**

h. Narrative describing the Work Performed by the Firm identified as the Lead Contractor for this procurement.

Rehabilitation and replacement of two 50+ year old structurally-deficient bridges crossing over Weems and College Creeks. Replaced the Weems Creek Bridge on MD 70 (Rowe Blvd.) and replaced the superstructure and rehabilitated the substructure for the College Creek Bridge on MD 70. Additional work included 10,500 CY of cast-in-place concrete, erecting precast pilaster, coping elements, 5 retaining walls, 5 bio-retention facilities, storm drainage pipe and structures, stormwater management pond retrofit, new 12" water main, high-voltage electrical and communication cable relocations, bridge approach construction, asphalt paving, and extensive roadside development.

Cofferdams

Corman successfully designed and installed three "floating" cofferdams constructed from steel EFCO forms and 1/4" thick steel base plate, measured 18' wide by 80' long to drive pile and construct fiberglass-wrapped concrete water-level pier struts. They were designed to be used as footing forms for major phases of construction and reduced the risk of sealing a much larger conventional cofferdam.

Weems Creek Bridge Cofferdam

Cofferdam construction consisted of a 14' x 35'-40' x 8' long rectangle floating cofferdam made out of EFCO panels on the side and fabricated steel bottom with pile sockets sealed with Neoprene caps. Cofferdam was floated into position anchored by spud piles. The 24" pipe piles were driven through the pile sockets and the cofferdam was dewatered continuously and prepared for footing concrete. This process was repeated 8 times in phased construction and the EFCO panels were removed and the fabricated steel bottom remained in place as part of the structure.

Weems Creek Bridge was a 735' long, eight-span steel girder bridge built in 1953 with 27' clear roadways separated by a 4' 0" raised median accommodating four lanes of traffic (two lanes north and southbound). The new bridge is a 712' long, five-span steel girder bridge with two 26' clear roadways (two 11' lanes and a 4' shoulder) separated by a 15' raised median accommodating four lanes of traffic (two north and southbound), founded on four piers and supported by 18" diameter plumb pipe pile driven up to 140 LF below mud line. Three piers were constructed with floating cofferdams for in-water construction. A 5' sidewalk is on the northbound side. The bridge is on a new alignment, approximately 16' to the west of the existing alignment. This was necessary to maintain all four traffic lanes during construction in the least amount of construction phases. Substructure contained approximately 3,150 CY of architecturally-finished concrete.

Bridge was constructed in two major phases while maintaining original traffic volume during construction. Traffic switches allowed bridge demolition and new bridge construction.

College Creek Bridge was a 930' long,16 single-span (58' each) steel beam bridge built in 1954 with two 27' clear roadways separated by a 4' raised median accommodating four lanes of traffic (two north and southbound). Five-foot wide sidewalks were on both sides. The new bridge is a 920' long, four-lane superstructure, with 7' wide pedestrian sidewalks and a decorative gateway structure adjacent to the bridge. Notable elements were identified, including unifying brick building facades, sidewalks and streets, granite foundation blocks and rustication of the State House, black wrought-iron fencing and lamp posts, and liberal use of formal hedges and landscaping. For the new bridge, designers considered symbolism, historical context, views and vistas, design scale, proportion and function. The result is a centerpiece gateway structure with a pedestrian overlook allowing views of the water, framed by steeples and a dome. Bridge is founded on 15 existing piers supported by battered piles encased in concrete. Pier caps were demolished/reconstructed, pier columns and fenders were repaired, and underwater piling wrapped in fiberglass jackets.

Rehabilitation consisted of replacing the existing superstructure with one that matched the existing configuration. Superstructure provides two 27' clear roadways (1' offset, two 11' lanes and a 4' shoulder) separated by a 4' raised median accommodating four lanes of traffic (two north and southbound). Each of the 15 reinforced concrete pier caps was replaced and both abutments widened to accept the wider superstructure.

Awards:

- 2008 AASHTO America's Transportation Award –On Time
- 2008 MdQI Award of Excellence for Context Sensitive Project Development
- 2007 NHQ National Achievement Award Special Recognition for a Structure Project
- 2006 Mid-Atlantic Construction Best of 2006 –Project of the Year – Highway/Roadway/Bridge
- 2006 American Concrete Institute (ACI) Int. Maryland Chapter – Excellence in Concrete Award

The bridges were constructed over water and had a bridge only value in excess of $5,000,000 for each bridge.

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

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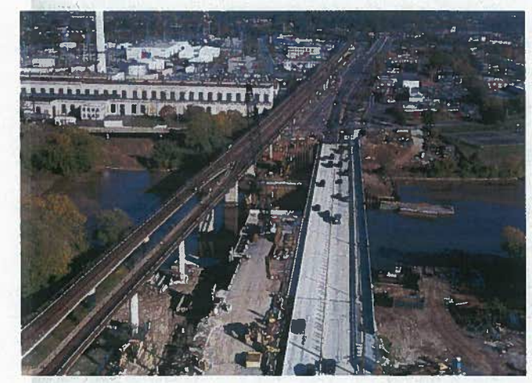
Benning Road Bridge Replacement Washington, DC	**Corman Construction, Inc.**	**District DOT** **(202) 671-2800** **Muhammed Khalid, PE** **(202) 671-4577** **muhammed.khalid@dc.gov**	**10/2003**	**7/2003**	**$ 27,000** **(17,810 Bridge Value)**	**$ 27,400** **(17,810 Bridge Value)**	**$1,620**

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

The Benning Road Bridge spans over the Annacostia River and required in-stream work for piers and had a bridge only cost of $17 Million.



Originally constructed in 1797, it crosses the Anacostia River in central northeastern Washington, DC. In 1934, the bridge was reconstructed as a concrete-cased steel structure. With Volkert's design, the replacement bridge, completed in 2003, maintains the historic look and feel of the 1934 structure with a buff-colored concrete finish and paneled classical details.

Volkert was initially contracted to conduct a study to assess the soundness and repair portions of the structure. The Volkert team conducted a structural evaluation, scour analysis, geotechnical and environmental analyses. Study results indicated that the bridge was unfit for repair or renovation and that a bridge replacement was needed.

The District wanted to preserve the look of the existing structure, while bringing it up to current standards. Methods implemented to make the new bridge similar in appearance to the existing bridge included using precast concrete fascia panels to mask the steel girders and to give the appearance of a concrete structure, designing the new parapet to closely resemble the existing one, and reusing existing lighting standards.

The 560-linear foot, eight-lane replacement bridge designed by Volkert is a five-span, continuous, multi-girder bridge. The design included roadway approaches, period street lighting, traffic signal design, and sidewalks/bike lanes, for a total project length of 1,300 linear feet. Plans were prepared to maintain uninterrupted utility service throughout construction. Large utility duct banks were designed into the new structure to accommodate a water main, a Washington Gas pipeline, major electrical lines from the close-by PEPCO station and telephone lines.

The bridge reconstruction required detailed construction phasing and accommodations for construction over water. In addition, Volkert worked closely with WMATA to coordinate work adjacent to the metro lines and faciltiies. Uninterrupted operations of WMATA's elevated Metro structure adjacent to the bridge were maintained throughout all phases.

Volkert's design included storm drainage on approach roadways and grading and erosion control plans to protect areas in the Children's Island and Anacostia Parks on both sides of the Anacostia River connected by the bridge. Volkert redesigned the entrance into Langston Golf Course, a historic facility with a USACE 4(f) designation, located in an environmentally sensitive area next to the river on Children's Island. Design included tennis courts and ball fields on the adjacent parkland.

ATTACHMENT 4.2.6(b)
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Oxon Run Bay Bridge Washington, DC	**Fort Meyer Construction Corporation**	**District DOT (202) 671-2800** **Mr. Mohamed Dahir (202) 671-4627 mohamed.dahir@dc.gov**	**7/2004**	**7/2004**	**$ 10,600** ***(Bridge Value)***	**$ 10,513** ***(Bridge Value)***	**$775**

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

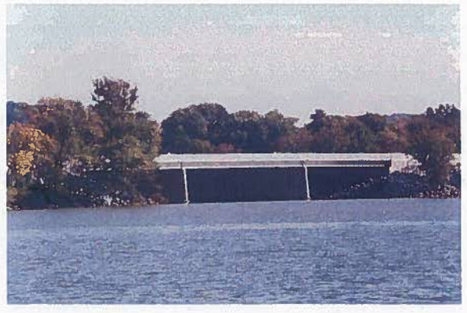
The widening and rehabilitation of the bridge include in-stream work for the extension of piers and had a bridge only construction cost of over $10 Million.

Volkert provided engineering design for the widening and rehabilitation of Anacostia Freeway (I-295) over Oxon Run Bay. The structural engineering work included the replacement/rehabilitation of the bridge superstructure, rehabilitation of substructure and widening of abutments/piers. The work required new continuous steel girders with a span arrangement of 84 ft. - 112 ft. - 84 ft. The field bolted splices on the middle span allowed simplified and speedy erection over the waterway channel. The stone and reinforced concrete piers are supported on a driven pile foundation.

The bridge widening was accomplished by construction of extended piers in Oxon Run Bay and the Potomic River. New welded steel girders with field bolted splices maintain the existing freeboard beneath the structure and were installed by field bolting to the existing superstructure. The new abutment and wingwall work was designed to reduce environmental effects and maintain the work within the existing right-of-way. The new substructure is pile supported concrete compatible with the existing substructure. The Volkert team prepared the new soil boring layout sheets and supervised the subsurface exploration report for substructure recommendation.

The earthen causeways on the widened approaches to the Oxon Run Bay bridge use four retaining walls supported on piles. The retaining walls were constructed parallel to the roadway alignment. The causeway work was designed to minimize disturbance to Oxon Run Bay and the Potomac River.

The rehabilitation and widening of the Oxon Run Bridge required the partial demolition of piers and abutments and the excavation for new foundations in the Oxon Run Bay. An environmental investigation was conducted to determine the nature of the river sediments by sampling and testing soil of the surface and subsurface in the area near the proposed construction. Geo-environmental support included drilling and retrieving samples of the soils within the depth anticipated to be exposed during foundation construction.



Volkert provided associated traffic management, roadway, drainage and SWM design for the bridge reconstruction project Volkert provided shop drawing review to ensure conformance with contract documents for reinforcing steel, structural steel, electrical and miscellaneous installations.

ATTACHMENT 4.2.6(b)
LEAD DESIGNER - WORK HISTORY FORM
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Rt 7 and Rt. 15 Interchange Leesburg, Virginia	**Shirley Contracting Company, LLC**	**Virginia DOT 804-371-6794** **Russell Martin, PE (804) 786-4460 Russell.Martin@VDOT.Virginia.gov**	**1998**	**1998**	**$6,000** ***(Bridge Value)***	**$6,000** ***(Bridge Value)***	**$590**

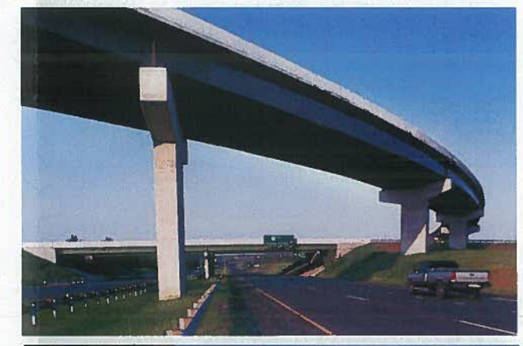
h. Narrative describing the Work Performed by the Firm identified as the Lead Designer for this Procurement. Include office locations(s) where the design work was performed and whether the firm was the prime designer or a subconsultant.

Expansive growth in Loudoun County placed tremendous strain on the highly traveled Route 7/15 interchange. VDOT contracted with Volkert to design the structural solutions for this fast-track $12 million interchange, involving the design of four bridges in four months, with a construction schedule of eleven months.

Volkert provided engineering and shop drawing review services for the widening and re-decking of a pair of twin, two-span (96-foot, continuous, plate girder) bridges carrying Route 7 over Route 15 Bypass; widening and replacing the superstructure of a three-span (50 feet), concrete, T-beam bridge carrying Route 15 Bypass over Tuscarora Creek; and the design of a 13-span, curved-girder flyover bridge carrying Ramp A over Routes 7 and 15 and three ramps with span lengths from 115 to 145 feet. Tall hammer head piers measure to 48-feet high. The three bridge widenings were designed for staged construction to maintain traffic.

The flyover was designed to VDOT standards and constructed of weathering steel, which has low maintenance costs and high strength. The girder depth was kept constant to keep the fabrication economical. Pot bearings were chosen to minimize the potential for secondary stresses creeping into the framing system. In the flyover, two piers are skewed and parallel to roadways underneath. All other units are radial.

The girder depth and span-to-pier height ratios result in the elegant, sweeping curvature of the bridge on the landscape. Hammer head piers were chosen for the aesthetic appeal in this large structure. Existing roads dictated location of piers. These constraints to pier placement dictated the span arrangement.



HAMPTON ROADS DISTRICT DESIGN UNIT

PROJECT MANAGER___John G. Harman, P.E. (757) 925-2308 (Hampton Roads)
SURVEYED BY, DATE_Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/8/11
DESIGN BY _____Volkert Inc. (703) 642-8100 (Alexandria, VA)
DESIGN SUPERVISED BY_Keith Weakley (703) 642-8100 (Volkert, Inc.)
SUBSURFACE UTILITY BY, DATE___Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/9/11

FOR INDEX OF SHEETS SEE SHEET 1B

FHWA 534 DATA 14011

STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
VA.	BR-087-5 ( ) (SEE TABULATION BELOW FOR SECTION NUMBERS)	35	(NFO)0035-087-112 (SEE TABULATION BELOW FOR SECTION NUMBERS)	1

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

CORMAN CONSTRUCTION

VOLKERT

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED
STATE HIGHWAY

SOUTHAMPTON COUNTY

Fr: 0.039 miles West of Southhampton County Line
To: 0.402 miles West of Southampton County Line

FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA	
Rural Collector (GS-3) - Undivided - Level 50MPH-Min. Design Speed	
	Fr: 0.039 miles West of Southhampton County Line To: 0.402 miles West of Southhampton County Line
ADT (2012)	3,400
ADT (2036)	4,525
DHV	410
D (%) (design hour)	50/50
T (%) (design hour)	6%
V (MPH)	50 MPH

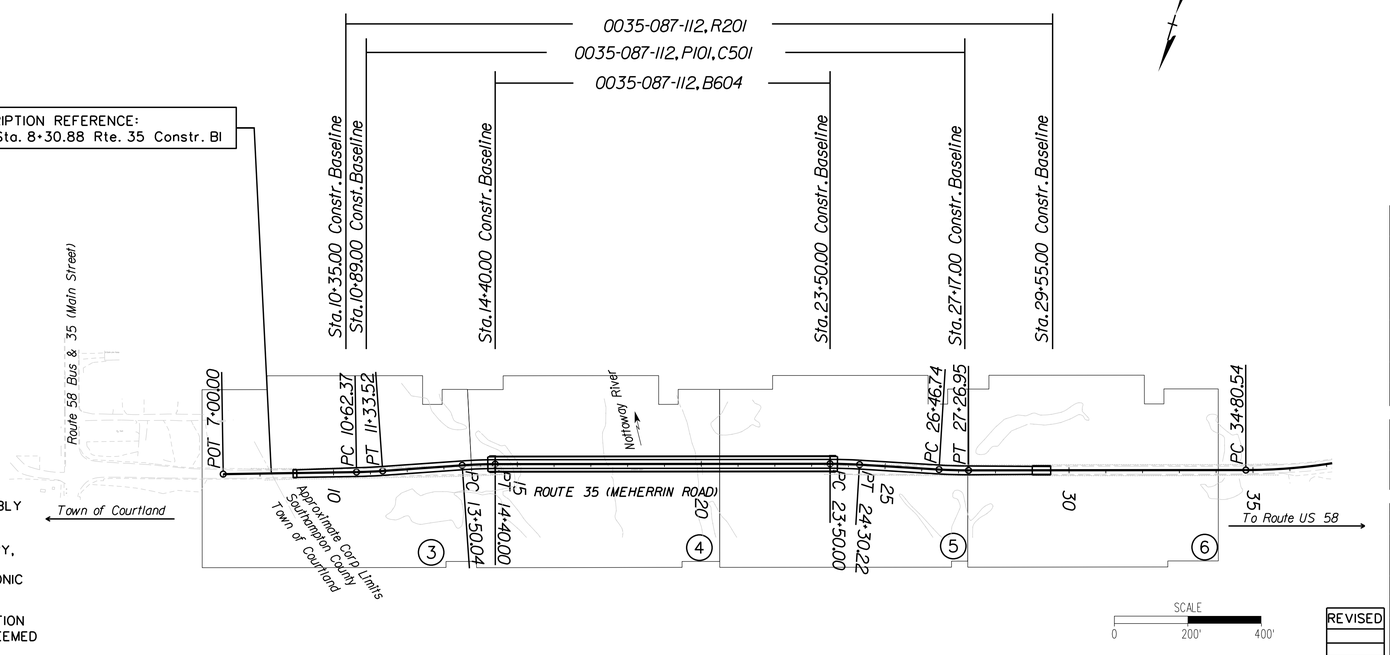
CONCEPTIAL TECHNICAL PROPOSAL PLANS SEPTEMBER 5, 2013

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+30.88 Rte. 35 Constr. Bl



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

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-5.11R, 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 SouthHampton 18,570 (2010 Census)

STATE PROJECT NO.	SECTION	FEDERAL AID PROJECT NO.	TYPE CODE	UPC NO.	EQUALITIES FEET	LENGTH INCLUDING BRIDGE(S) FEET	LENGTH INCLUDING BRIDGE(S) MILES	LENGTH EXCLUDING BRIDGE(S) FEET	LENGTH EXCLUDING BRIDGE(S) MILES	BRIDGE PLAN NO.	TYPE PROJECT	DESCRIPTION
0035-087-112	PE-101	BR-087-5(014)	P	81457		1628.00	0.308	718.00	0.136		PREL.ENGR	Fr: 0.072 miles West of Southhampton County Line To: 0.364 miles West of Southhampton County Line
	C-501		P	81457		1628.00	0.308	718.00	0.136		CONSTRUCTION	
	RW-201			81457		1920.00	0.364	1010	0.191		RIGHT OF WAY	Fr: 0.039 miles West of Southhampton County Line To: 0.402 miles West of Southhampton County Line
	B-604		P	81457		910.00	0.172				BRIDGE	Prop. Bridge and Approaches over Nottoway River

Project Lengths are based on Construction Baseline.

REVISED

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PROJECT	SHEET NO.
0035-087-112	1

HAMPTON ROADS DISTRICT DESIGN UNIT

PROJECT MANAGER _ _ John G. Harman, P.E. (757) 925-2308 (Hampton Roads)
SURVEYED BY, DATE _ Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/8/11
DESIGN BY _ _ _ _ _ _ _ Volkert Inc. (703) 642-8100 (Alexandria, VA)
DESIGN SUPERVISED BY _ Keith Weekley (703) 642-8100 (Volkert, Inc.)
SUBSURFACE UTILITY BY, DATE _ _ Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/9/11

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

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

INDEX OF SHEETS

SHEET	DESCRIPTION	STATIONS
1	TITLE SHEET	
1B	INDEX OF SHEETS	
1D	SURVEY ALIGNMENT DATA SHEETS	
1E - 1E(1)	CONSTRUCTION ALIGNMENT DATA SHEET	
2A	TYPICAL SECTIONS	
3 - 6	PLAN SHEET	7+00.00 TO 34+00.00
3A - 6A	PROFILE SHEET	7+00.00 TO 34+00.00
3B - 6B	EROSION AND SEDIMENT CONTROL PLAN	

TOTAL CROSS SECTION SHEETS 10 (SEE CROSS SECTION SHEET NUMBER 1 FOR INDEX OF SHEETS)

CORMAN CONSTRUCTION

VOLKERT

CONCEPT PLANS
SEPTEMBER 5, 2013

PROJECT	SHEET NO.
0035-087-112	1B

HAMPTON ROADS DISTRICT DESIGN UNIT

PROJECT MANAGER _ _ John G. Harman, P.E. (757) 925-2308 (Hampton Roads)
SURVEYED BY, DATE _ Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/8/11
DESIGN BY _ _ _ _ _ _ _ Volkert Inc. (703) 642-8100 (Alexandria, VA)
DESIGN SUPERVISED BY _ Keith Weekley (703) 642-8100 (Volkert, Inc.)
SUBSURFACE UTILITY BY, DATE _ _ Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/9/11

Note: To Convert Va. State Plane Coordinates NAD 83 Metric Values to Va. D. O. T. Project Coordinates.
1. Reduce the Eastings 2.5 Million Meters and the South and North Zone Northings by 1 and 2 Million Respectively.
2. Multiply by the U. S. Survey Foot (3.280833333333).
3. Multiply These Values by the Combined Scale and Elevation Factor (1.) for this County.
A Reverse of this Procedure will Transform VDOT Project Coordinates to NAD 83 Values.

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

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

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

SURVEY ALIGNMENT DATA SHEETS

CONCEPT PLANS
SEPTEMBER 5, 2013

CORMAN CONSTRUCTION

VOLKERT

SURVEY ALIGNMENTS

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

BENCH MARKS

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

DATUM NAVD 88 (FEET)

VDOT Disk Stamped "87 - 0078"
Bench Mark Elev.= 25.60'

VDOT Disk Stamped "87 - 0079"
Bench Mark Elev.= 25.57'

VDOT Disk Stamped "87 - 0080"
Bench Mark Elev.= 14.80'

VDOT Disk Stamped "87 - 0081"
Bench Mark Elev.= 16.45'

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

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

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

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

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

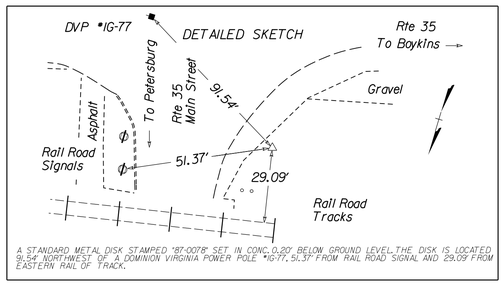
T-Bar 4 Survey Traverse Alignment
Sta. 132+51.14
Bench Mark Elev.= 18.85'

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

LD-200 (REV. 8/2000)
Virginia Department of Transportation Horizontal Control

Control Station I.D. 87 - 0078 Project 0035-087-112 — V. D. O. T. Project Coordinates
Route 35 City/County Southampton Date 09-02-11
Established By W.D.Freeman LS
Vertical Datum Based On NAVD 88 Geoid 96 or 03 (circle one)
Horizontal Datum Based On NAD 83 (1993)
Azimuth to Station 250°37'34" to Sta 87-0079
Latitude: 36°43'03.65095" N (5decimal places)
Longitude: 77°04'07.46652" W (5decimal places)
Geoid Separation (N): -34.9102
Ellipsoid Height (h): -27.0994 (WGS 84)
Control Based on: Station (name or PID) Courtland 1 or
Project (monument no.) Order:
Virginia State Plane Coordinates - NAD 83 Metric Values
East (X) 3627864.5293 m
North (Y) 1043622.1892 m
Ortho. Elevation 7.8108 m

East (X) 3700335.5432 ft.
North (Y) 143117.1324 ft.
Elevation 25.60 ft.
Zone North South (circle one)
Horizontal Closure
To convert state plane metric units to VDOT project values, use the following formula.
1. Reduce the Easting Metric Values By 2.5 Million Meters. The South and North Zone Northing Metric Values By 1 and 2 Million Respectively.
2. Multiply These Values by the U.S. Survey Foot (3.280833333)
3. Multiply These Values by Combined Scale and Elevation Factor (1.00000) for the County.
Reverse This Procedure to Transform VDOT Project Coordinates to NAD 83 Metric Plane Coordinates
* Sketch and Detailed Description on Other Side *

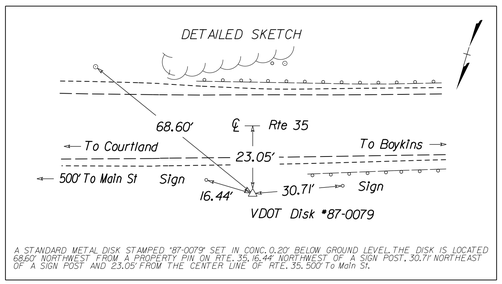


A STANDARD METAL DISK STAMPED "87-0078" SET IN CONC. 0.20' BELOW GROUND LEVEL. THE DISK IS LOCATED 91.54' NORTHWEST OF A DOMINION VIRGINIA POWER POLE *IG-77, 51.37' FROM RAIL ROAD SIGNAL AND 29.09' FROM EASTERN RAIL OF TRACK.

LD-200 (REV. 8/2000)
Virginia Department of Transportation Horizontal Control

Control Station I.D. 87 - 0079 Project 0035-087-112 — V. D. O. T. Project Coordinates
Route 35 City/County Southampton Date 09-02-11
Established By W.D.Freeman LS
Vertical Datum Based On NAVD 88 Geoid 96 or 03 (circle one)
Horizontal Datum Based On NAD 83 (1993)
Azimuth to Station 247°22'2" to Sta 87-0080
Latitude: 36°43'02.7731" N (5decimal places)
Longitude: 77°04'12.93533" W (5decimal places)
Geoid Separation (N): -34.9070
Ellipsoid Height (h): -27.1012 (WGS 84)
Control Based on: Station (name or PID) Courtland 1 or
Project (monument no.) Order:
Virginia State Plane Coordinates - NAD 83 Metric Values
East (X) 3627729.5144 m
North (Y) 1043547.1118 m
Ortho. Elevation 7.8058 m

East (X) 3699892.5818 ft.
North (Y) 142961.3670 ft.
Elevation 25.57 ft.
Zone North South (circle one)
Horizontal Closure
To convert state plane metric units to VDOT project values, use the following formula.
1. Reduce the Easting Metric Values By 2.5 Million Meters. The South and North Zone Northing Metric Values By 1 and 2 Million Respectively.
2. Multiply These Values by the U.S. Survey Foot (3.280833333)
3. Multiply These Values by Combined Scale and Elevation Factor (1.00000) for the County.
Reverse This Procedure to Transform VDOT Project Coordinates to NAD 83 Metric Plane Coordinates
* Sketch and Detailed Description on Other Side *

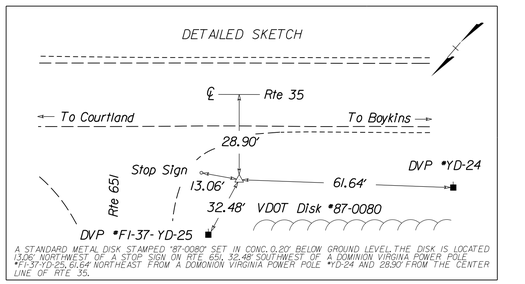


A STANDARD METAL DISK STAMPED "87-0079" SET IN CONC. 0.20' BELOW GROUND LEVEL. THE DISK IS LOCATED 68.60' NORTHWEST FROM A PROPERTY PIN ON RTE. 35, 16.44' NORTHWEST OF A SIGN POST, 30.71' NORTHEAST OF A SIGN POST AND 23.05' FROM THE CENTER LINE OF RTE. 35. 500' To Main St.

LD-200 (REV. 8/2000)
Virginia Department of Transportation Horizontal Control

Control Station I.D. 87 - 0080 Project 0035-087-112 — V. D. O. T. Project Coordinates
Route 35 City/County Southampton Date 09-02-11
Established By W.D.Freeman LS
Vertical Datum Based On NAVD 88 Geoid 96 or 03 (circle one)
Horizontal Datum Based On NAD 83 (1983)
Azimuth to Station 229°32'08" to Sta 87-0081
Latitude: 36°42'47.2763" N (5decimal places)
Longitude: 77°04'57.89136" W (5decimal places)
Geoid Separation (N): -34.8837
Ellipsoid Height (h): -30.3611 (WGS 84)
Control Based on: Station (name or PID) Courtland 1 or
Project (monument no.) Order:
Virginia State Plane Coordinates - NAD 83 Metric Values
East (X) 3626620.6573 m
North (Y) 1043112.5145 m
Ortho. Elevation 4.5226 m

East (X) 3696254.6065 ft.
North (Y) 141444.9747 ft.
Elevation 14.80 ft.
Zone North South (circle one)
Horizontal Closure
To convert state plane metric units to VDOT project values, use the following formula.
1. Reduce the Easting Metric Values By 2.5 Million Meters. The South and North Zone Northing Metric Values By 1 and 2 Million Respectively.
2. Multiply These Values by the U.S. Survey Foot (3.280833333)
3. Multiply These Values by Combined Scale and Elevation Factor (1.00000) for the County.
Reverse This Procedure to Transform VDOT Project Coordinates to NAD 83 Metric Plane Coordinates
* Sketch and Detailed Description on Other Side *

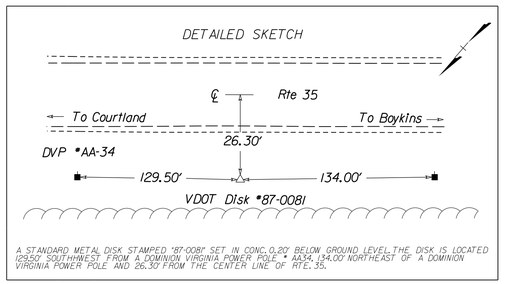


A STANDARD METAL DISK STAMPED "87-0080" SET IN CONC. 0.20' BELOW GROUND LEVEL. THE DISK IS LOCATED 13.06' NORTHWEST OF A STOP SIGN ON RTE. 651, 32.48' SOUTHWEST OF A DOMINION VIRGINIA POWER POLE *FI-37-YD-25, 61.64' NORTHWEST FROM A DOMINION VIRGINIA POWER POLE *YD-24 AND 28.90' FROM THE CENTER LINE OF RTE 35.

LD-200 (REV. 8/2000)
Virginia Department of Transportation Horizontal Control

Control Station I.D. 87 - 0081 Project 0035-087-112 — V. D. O. T. Project Coordinates
Route 35 City/County Southampton Date 09-02-11
Established By W.D.Freeman LS
Vertical Datum Based On NAVD 88 Geoid 96 or 03 (circle one)
Horizontal Datum Based On NAD 83 (1983)
Azimuth to Station 651°03" to Sta 87-0078
Latitude: 36°42'43.3537" N (5decimal places)
Longitude: 77°05'04.78495" W (5decimal places)
Geoid Separation (N): -34.8813
Ellipsoid Height (h): -29.8584 (WGS 84)
Control Based on: Station (name or PID) Courtland 1 or
Project (monument no.) Order:
Virginia State Plane Coordinates - NAD 83 Metric Values
East (X) 3626451.7116 m
North (Y) 1042968.4029 m
Ortho. Elevation 5.0229 m

East (X) 3695700.3238 ft.
North (Y) 140972.1685 ft.
Elevation 16.45 ft.
Zone North South (circle one)
Horizontal Closure
To convert state plane metric units to VDOT project values, use the following formula.
1. Reduce the Easting Metric Values By 2.5 Million Meters. The South and North Zone Northing Metric Values By 1 and 2 Million Respectively.
2. Multiply These Values by the U.S. Survey Foot (3.280833333)
3. Multiply These Values by Combined Scale and Elevation Factor (1.00000) for the County.
Reverse This Procedure to Transform VDOT Project Coordinates to NAD 83 Metric Plane Coordinates
* Sketch and Detailed Description on Other Side *



A STANDARD METAL DISK STAMPED "87-0081" SET IN CONC. 0.20' BELOW GROUND LEVEL. THE DISK IS LOCATED 129.50' SOUTHWEST FROM A DOMINION VIRGINIA POWER POLE * AA34, 134.00' NORTHEAST OF A DOMINION VIRGINIA POWER POLE AND 26.30' FROM THE CENTER LINE OF RTE. 35.

PROJECT	SHEET NO.
0035-087-112	ID

HAMPTON ROADS DISTRICT DESIGN UNIT

PROJECT MANAGER _ _ John G. Harman, P.E. (757) 925-2308 (Hampton Roads)
SURVEYED BY, DATE _ Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/8/11
DESIGN BY _ _ _ _ _ _ _ Volkert Inc. (703) 642-8100 (Alexandria, VA)
DESIGN SUPERVISED BY _ Keith Weakley (703) 642-8100 (Volkert, Inc.)
SUBSURFACE UTILITY BY, DATE _ _ Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/9/11

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

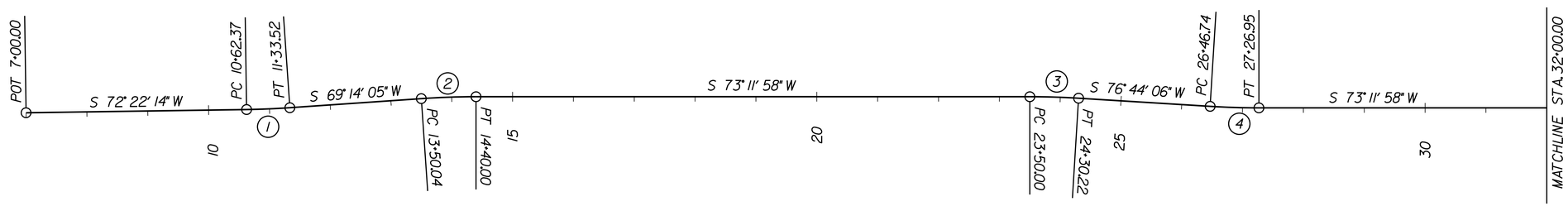
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Volkert Inc.
Alexandria, Virginia
Civil Engineer

CONSTRUCTION ALIGNMENT DATA SHEET

Curve ROUTE 35-1
PI = 10+97.96
DELTA = 3° 08' 08.71" (LT)
D = 4° 24' 27"
T = 35.58'
L = 71.15'
R = 1,300.00'
PC = 10+62.37
PT = 11+33.52
Lr = 161'
Lt = 48'
V = 50 MPH
E = 6.70%

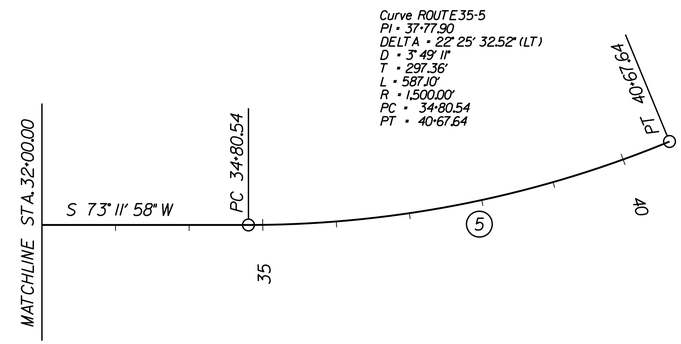
Curve ROUTE 35-4
PI = 26+86.86
DELTA = 3° 32' 07.52" (LT)
D = 4° 24' 27"
T = 40.12'
L = 80.22'
R = 1,300.00'
PC = 26+46.74
PT = 27+26.95
Lr = 161'
Lt = 48'
V = 50 MPH
E = 6.70%



Curve ROUTE 35-2
PI = 13+95.04
DELTA = 3° 57' 53.14" (RT)
D = 4° 24' 27"
T = 45.00'
L = 89.96'
R = 1,300.00'
PC = 13+50.04
PT = 14+40.00
Lr = 161'
Lt = 48'
V = 50 MPH
E = 6.70%

Curve ROUTE 35-3
PI = 23+90.12
DELTA = 3° 32' 07.52" (RT)
D = 4° 24' 27"
T = 40.12'
L = 80.22'
R = 1,300.00'
PC = 23+50.00
PT = 24+30.22
Lr = 161'
Lt = 48'
V = 50 MPH
E = 6.70%

Curve ROUTE 35-5
PI = 37+77.90
DELTA = 22° 25' 32.52" (LT)
D = 3° 49' 11"
T = 297.36'
L = 587.10'
R = 1,500.00'
PC = 34+80.54
PT = 40+67.64



CORMAN CONSTRUCTION
VOLKERT

CONCEPT PLANS
PLAN VIEW
SEPTEMBER 5, 2013

SCALE	PROJECT	SHEET NO.
0 100' 200'	0035-087-112	IE

HAMPTON ROADS DISTRICT DESIGN UNIT

PROJECT MANAGER _ _ John G. Harman, P.E. (757) 925-2308 (Hampton Roads)
SURVEYED BY, DATE _ Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/8/11
DESIGN BY _ _ _ _ _ _ _ Volkert Inc. (703) 642-8100 (Alexandria, VA)
DESIGN SUPERVISED BY _ Keith Weakley (703) 642-8100 (Volkert, Inc.)
SUBSURFACE UTILITY BY, DATE _ _ Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/9/11

CONSTRUCTION ALIGNMENT DATA SHEET

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

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

Volkert Inc.
Alexandria, Virginia
Civil Engineer

Chain ROUTE35 contains:
ML100 CUR ROUTE35-1 CUR ROUTE35-2 CUR ROUTE35-3 CUR ROUTE35-4 CUR ROUTE35-5

Beginning chain ROUTE35 description

```
==============================================================================

Point ML100            N       142,966.44 E     3,699,988.92 Sta       7+00.00

Course from ML100 to PC ROUTE35-1 S 72° 22′ 13.97″ W Dist 362.37

                                   Curve Data
                                 *----------*
(1)  Curve ROUTE35-1
     P.I.  Station            10+97.96  N          142,845.92  E        3,699,609.65
     Delta        =       3° 08′ 08.71″ (LT)
     Degree       =       4° 24′ 26.52″
     Tangent      =              35.58
     Length       =              71.15
     Radius       =           1,300.00
     External     =               0.49
     Long Chord   =              71.14
     Mid. Ord.    =               0.49
     P.C.  Station            10+62.37  N          142,856.70  E        3,699,643.56
     P.T.  Station            11+33.52  N          142,833.30  E        3,699,576.38
     C.C.                               N          141,617.75  E        3,700,037.28
     Back         = S  72° 22′ 13.97″ W
     Ahead        = S  69° 14′ 05.25″ W
     Chord Bear   = S  70° 48′ 09.61″ W

     Course from PT ROUTE35-1 to PC ROUTE35-2 S 69° 14′ 05.25″ W Dist 216.52

                                   Curve Data
                                 *----------*
(2)  Curve ROUTE35-2
     P.I.  Station            13+95.04  N          142,740.59  E        3,699,331.85
     Delta        =       3° 57′ 53.14″ (RT)
     Degree       =       4° 24′ 26.52″
     Tangent      =              45.00
     Length       =              89.96
     Radius       =           1,300.00
     External     =               0.78
     Long Chord   =              89.94
     Mid. Ord.    =               0.78
     P.C.  Station            13+50.04  N          142,756.54  E        3,699,373.93
     P.T.  Station            14+40.00  N          142,727.58  E        3,699,288.78
     C.C.                               N          143,972.09  E        3,698,913.02
     Back         = S  69° 14′ 05.25″ W
     Ahead        = S  73° 11′ 58.39″ W
     Chord Bear   = S  71° 13′ 01.82″ W

     Course from PT ROUTE35-2 to PC ROUTE35-3 S 73° 11′ 58.39″ W Dist 910.00

                                   Curve Data
                                 *----------*
(3)  Curve ROUTE35-3
     P.I.  Station            23+90.12  N          142,452.96  E        3,698,379.21
     Delta        =       3° 32′ 07.52″ (RT)
     Degree       =       4° 24′ 26.52″
     Tangent      =              40.12
     Length       =              80.22
     Radius       =           1,300.00
     External     =               0.62
     Long Chord   =              80.20
     Mid. Ord.    =               0.62
     P.C.  Station            23+50.00  N          142,464.55  E        3,698,417.62
     P.T.  Station            24+30.22  N          142,443.75  E        3,698,340.16
     C.C.                               N          143,709.07  E        3,698,041.87
     Back         = S  73° 11′ 58.39″ W
     Ahead        = S  76° 44′ 05.91″ W
     Chord Bear   = S  74° 58′ 02.15″ W

     Course from PT ROUTE35-3 to PC ROUTE35-4 S 76° 44′ 05.91″ W Dist 216.52

                                   Curve Data
                                 *----------*
(4)  Curve ROUTE35-4
     P.I.  Station            26+86.86  N          142,384.86  E        3,698,090.36
     Delta        =       3° 32′ 07.52″ (LT)
     Degree       =       4° 24′ 26.52″
     Tangent      =              40.12
     Length       =              80.22
     Radius       =           1,300.00
     External     =               0.62
     Long Chord   =              80.20
     Mid. Ord.    =               0.62
     P.C.  Station            26+46.74  N          142,394.07  E        3,698,129.42
     P.T.  Station            27+26.95  N          142,373.27  E        3,698,051.96
     C.C.                               N          141,128.75  E        3,698,427.71
     Back         = S  76° 44′ 05.91″ W
     Ahead        = S  73° 11′ 58.39″ W
     Chord Bear   = S  74° 58′ 02.15″ W

     Course from PT ROUTE35-4 to PC ROUTE35-5 S 73° 11′ 58.39″ W Dist 753.59

                                   Curve Data
                                 *----------*
(5)  Curve ROUTE35-5
     P.I.  Station            37+77.90  N          142,069.50  E        3,697,045.87
     Delta        =      22° 25′ 32.52″ (LT)
     Degree       =       3° 49′ 10.99″
     Tangent      =             297.36
     Length       =             587.10
     Radius       =           1,500.00
     External     =              29.19
     Long Chord   =             583.36
     Mid. Ord.    =              28.63
     P.C.  Station            34+80.54  N          142,155.45  E        3,697,330.53
     P.T.  Station            40+67.64  N          141,881.46  E        3,696,815.52
     C.C.                               N          140,719.47  E        3,697,764.09
     Back         = S  73° 11′ 58.39″ W
     Ahead        = S  50° 46′ 25.88″ W
     Chord Bear   = S  61° 59′ 12.13″ W

==============================================================================
Ending chain ROUTE35 description
```

CORMAN CONSTRUCTION

VOLKERT

CONCEPT PLANS
SEPTEMBER 5, 2013

PROJECT	SHEET NO.
0035-087-112	1E(1)

HAMPTON ROADS DISTRICT DESIGN UNIT

PROJECT MANAGER _ _ John G. Harman, P.E. (757) 925-2308 (Hampton Roads)
SURVEYED BY, DATE _ Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/8/11
DESIGN BY _ _ _ _ _ _ _ _ Volkert Inc. (703) 642-8100 (Alexandria, VA)
DESIGN SUPERVISED BY _ Keith Weakley (703) 642-8100 (Volkert, Inc.)
SUBSURFACE UTILITY BY, DATE _ _ Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/9/11

TYPICAL SECTIONS

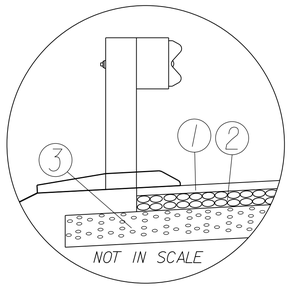
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	35	0035-087-112, RW201, C-501	2A

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

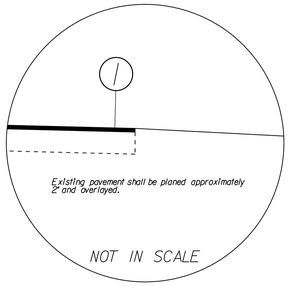
Volkert Inc.
Alexandria, Virginia
Civil Engineer

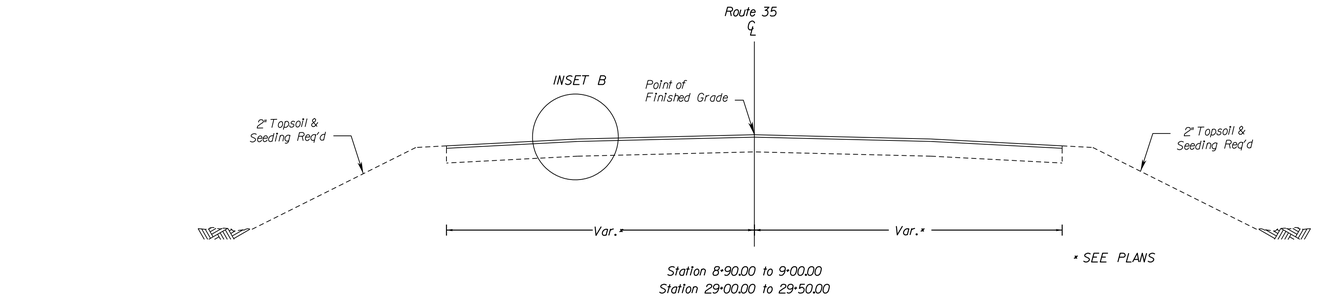
NOTE: PAVEMENT WIDTHS VARY AT TAPERS.
SEE PLAN SHEETS AND CROSS SECTIONS
FOR PAVEMENT LENGTHS AND WIDTHS.

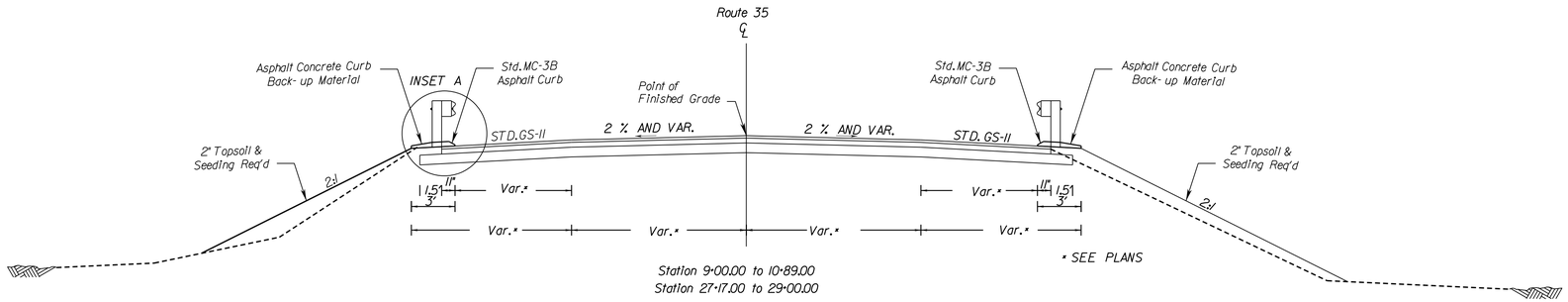
INSET A

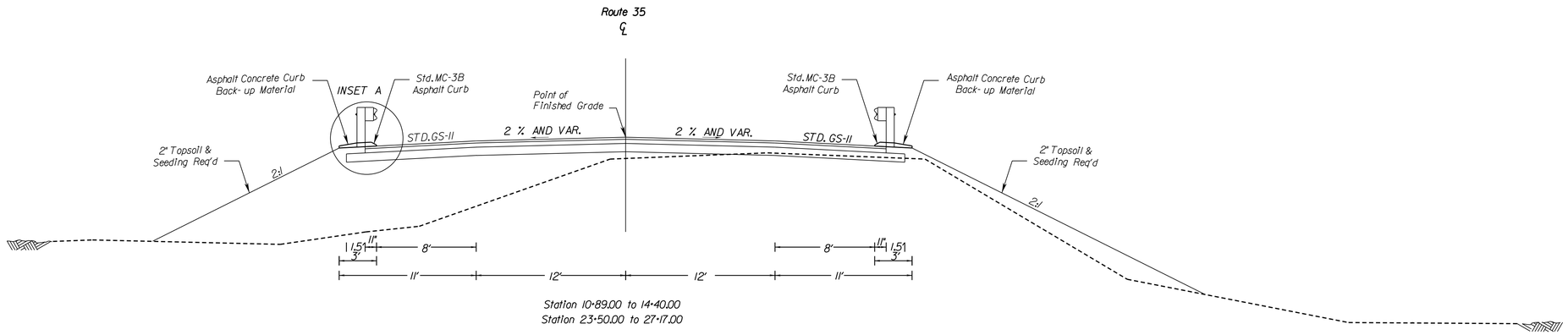


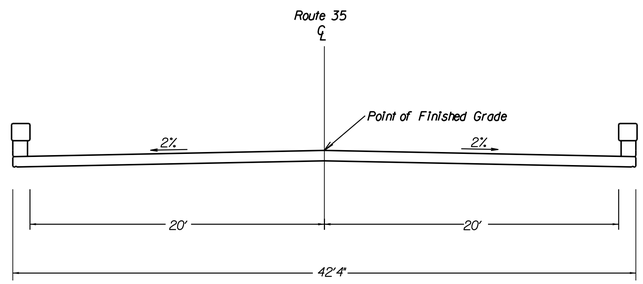
INSET B











Station 14+40.00 to 23+50.00
(See Bridge Plan for details)

1. Asphalt Concrete Surface Course Type SM-12.5A @ 220 lbs. per sq.yd.
2. 4" Asphalt Concrete Base Course Type BM-25.0A
3. 8" Aggregate Base Material Type I, NO. 21B

CORMAN CONSTRUCTION

VOLKERT

CONCEPT PLANS
SEPTEMBER 5, 2013

PROJECT	SHEET NO.
0035-087-112	2A

HAMPTON ROADS DISTRICT DESIGN UNIT

PROJECT MANAGER _ _ John G. Harman, P.E. (757) 925-2308 (Hampton Roads)
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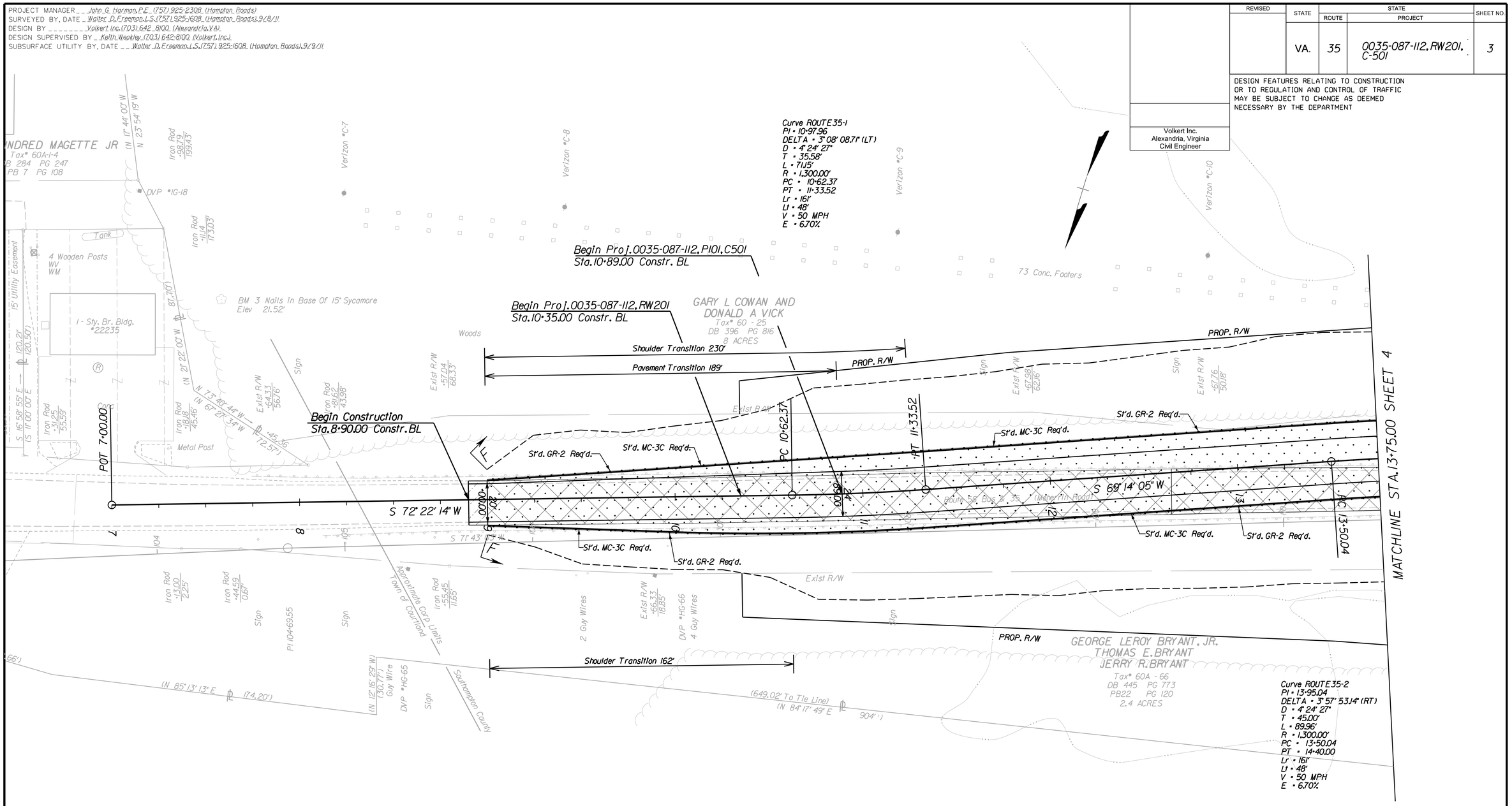
SUBSURFACE UTILITY BY, DATE _ _ Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/9/11

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	35	0035-087-112, RW201, C-501	3

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

Volkert Inc.
Alexandria, Virginia
Civil Engineer



LEGEND

C _ _ _ _ Denotes Construction Limits In Cuts
F _ _ _ Denotes Construction Limits In Fills
Denotes New Asphalt Pavement
Denotes Mill and Overlay
Denotes 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.

*** Utility Owners ***

Mid-Atlantic Broadband Communities
Riverstone Technology Park
1100 Confroy 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

CORMAN CONSTRUCTION

VOLKERT

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Mainline Profile	3A
E&SC Plan	3B

CONCEPT PLANS
PLAN VIEW
SEPTEMBER 5, 2013

SCALE	PROJECT	SHEET NO.
0 25' 50'	0035-087-112	3

PROJECT MANAGER John G. Harman, P.E. (757) 925-2308 (Hampton Roads)
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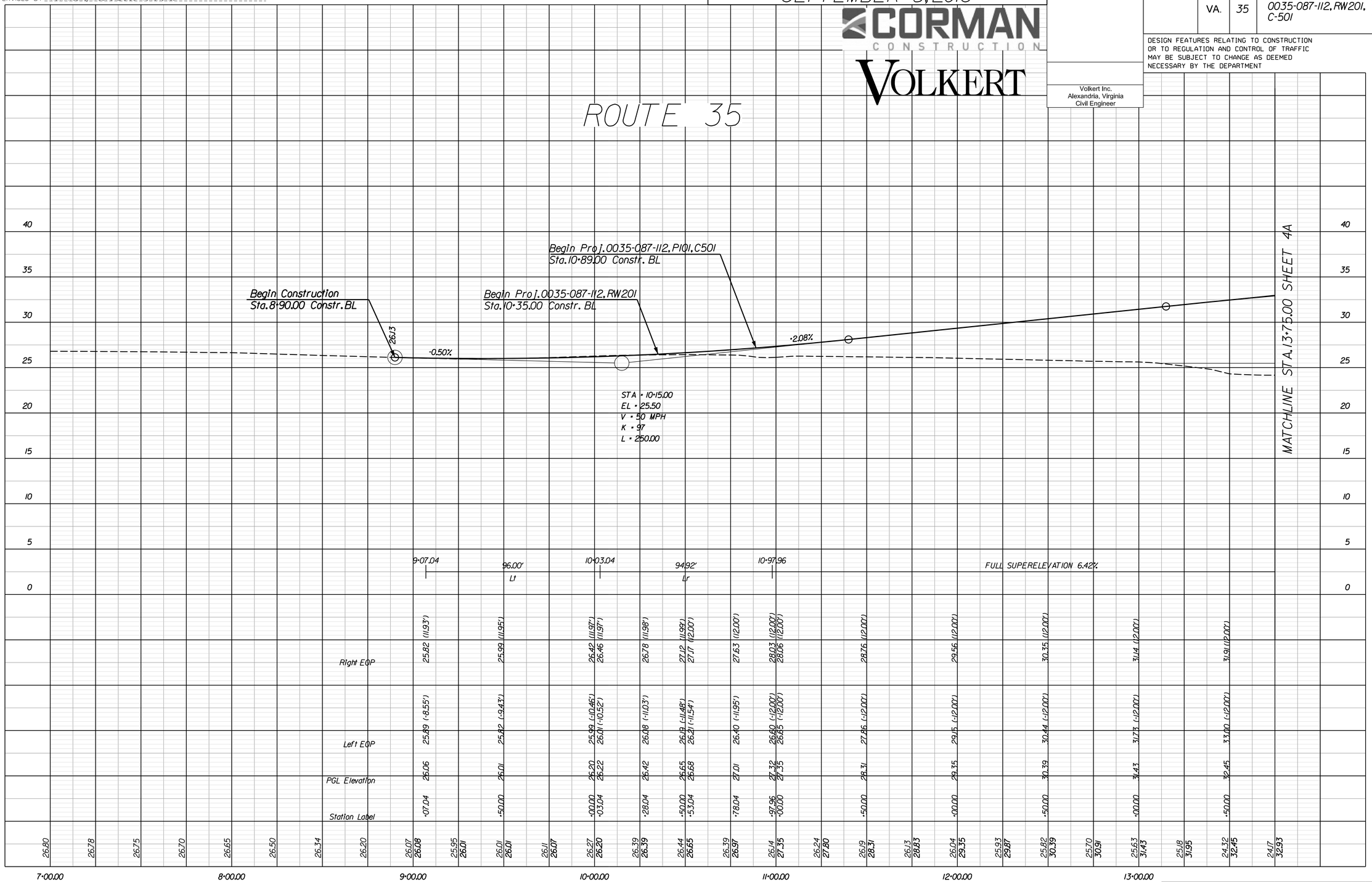
CONCEPT PLANS PROFILE VIEW
SEPTEMBER 5, 2013

CORMAN CONSTRUCTION
VOLKERT

Volkert Inc.
Alexandria, Virginia
Civil Engineer

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	35	0035-087-112, RW201, C-501	3A

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



PROJECT	SHEET NO.
0035-087-112	3A

HAMPTON ROADS DISTRICT DESIGN UNIT

PROJECT MANAGER _ _ John G. Harman, P.E. (757) 925-2308 (Hampton Roads)
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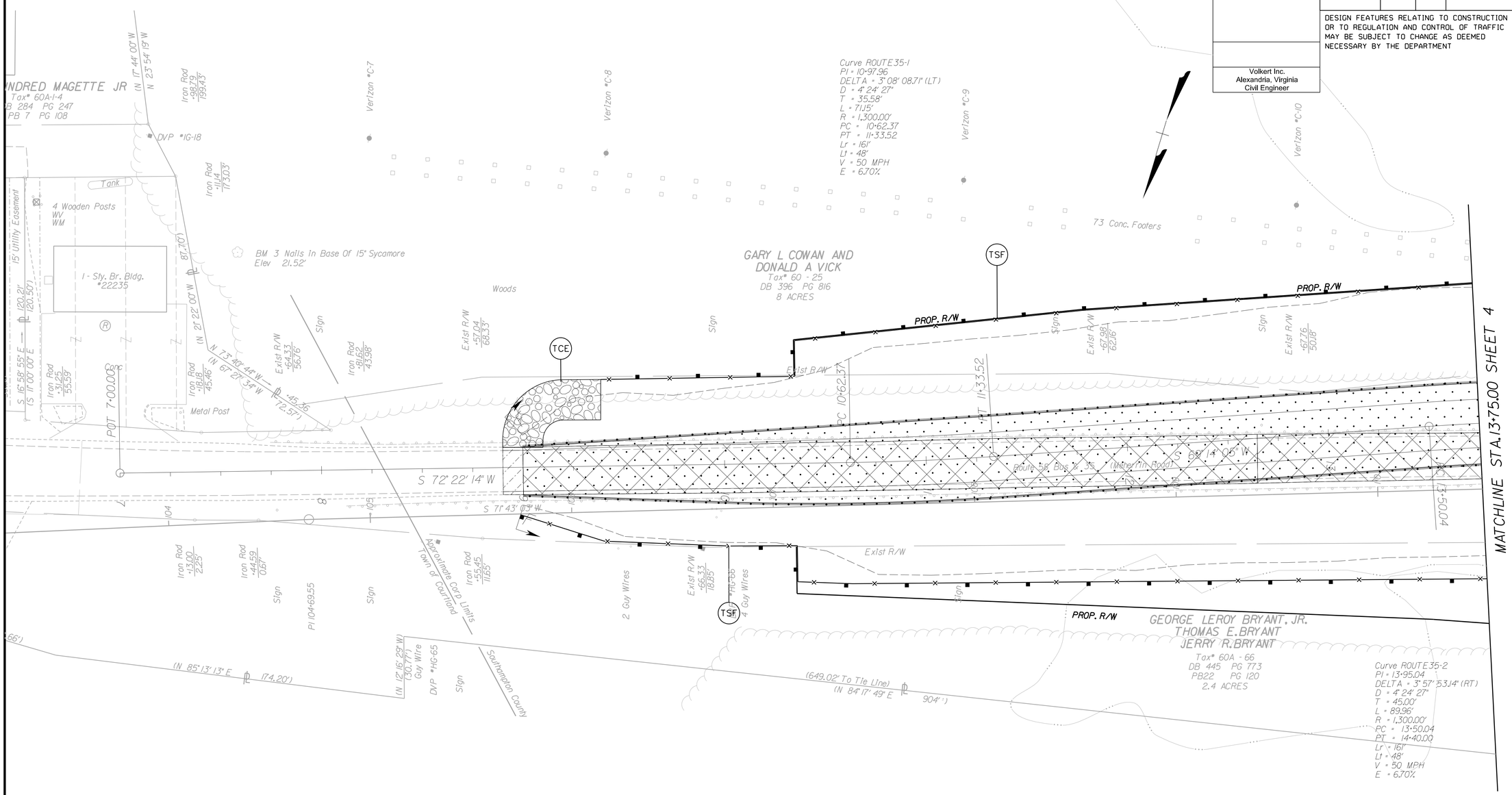
SUBSURFACE UTILITY BY, DATE _ _ Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/9/11

EROSION AND SEDIMENT CONTROL PLAN

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	35	0035-087-112, RW201, C-501	3B

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

Volkert Inc.
Alexandria, Virginia
Civil Engineer



LEGEND

- C _ _ _ Denotes Construction Limits In Cuts
- F _ _ _ Denotes Construction Limits In Fills
- Denotes New Asphalt Pavement
- Denotes Mill and Overlay
- Denotes 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.

TSF — Denotes Temporary Silt Fence, St'd EC-5

TCE — Denotes Temporary Stone Construction Entrance

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Mainline Plan	3
Mainline Profile	3A

CORMAN CONSTRUCTION

VOLKERT

CONCEPT PLANS
PLAN VIEW
SEPTEMBER 5, 2013

SCALE	PROJECT	SHEET NO.
0 25' 50'	0035-087-112	3B

HAMPTON ROADS DISTRICT DESIGN UNIT

PROJECT MANAGER _ _ John G. Harman, P.E. (757) 925-2308 (Hampton Roads)
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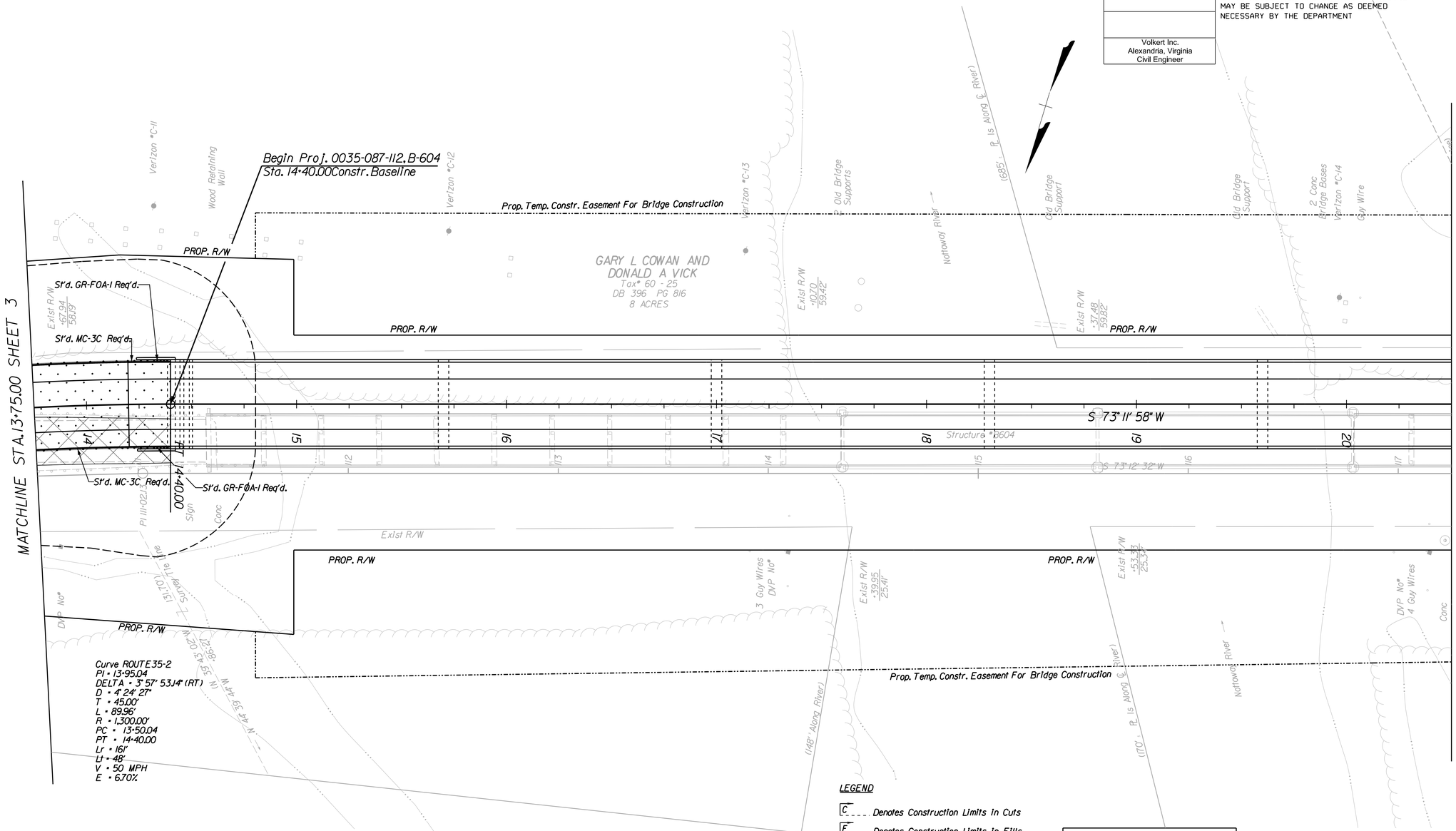
SUBSURFACE UTILITY BY, DATE _ _ Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/9/11

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

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

Volkert Inc.
Alexandria, Virginia
Civil Engineer



LEGEND

C _ _ _ _ Denotes Construction Limits In Cuts
F _ _ _ Denotes Construction Limits In Fills
Denotes New Asphalt Pavement
Denotes Mill and Overlay
Denotes Demolition of Pavement

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Note: See Sheet 3 for Utility Information

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

Mainline Profile	4A
E&SC Plan	4B

CORMAN CONSTRUCTION

VOLKERT

CONCEPT PLANS
PLAN VIEW
SEPTEMBER 5, 2013

SCALE 0 25' 50'

PROJECT	SHEET NO.
0035-087-112	4

PROJECT MANAGER _ John G. Harman, P.E. (757) 925-2308 (Hampton Roads)
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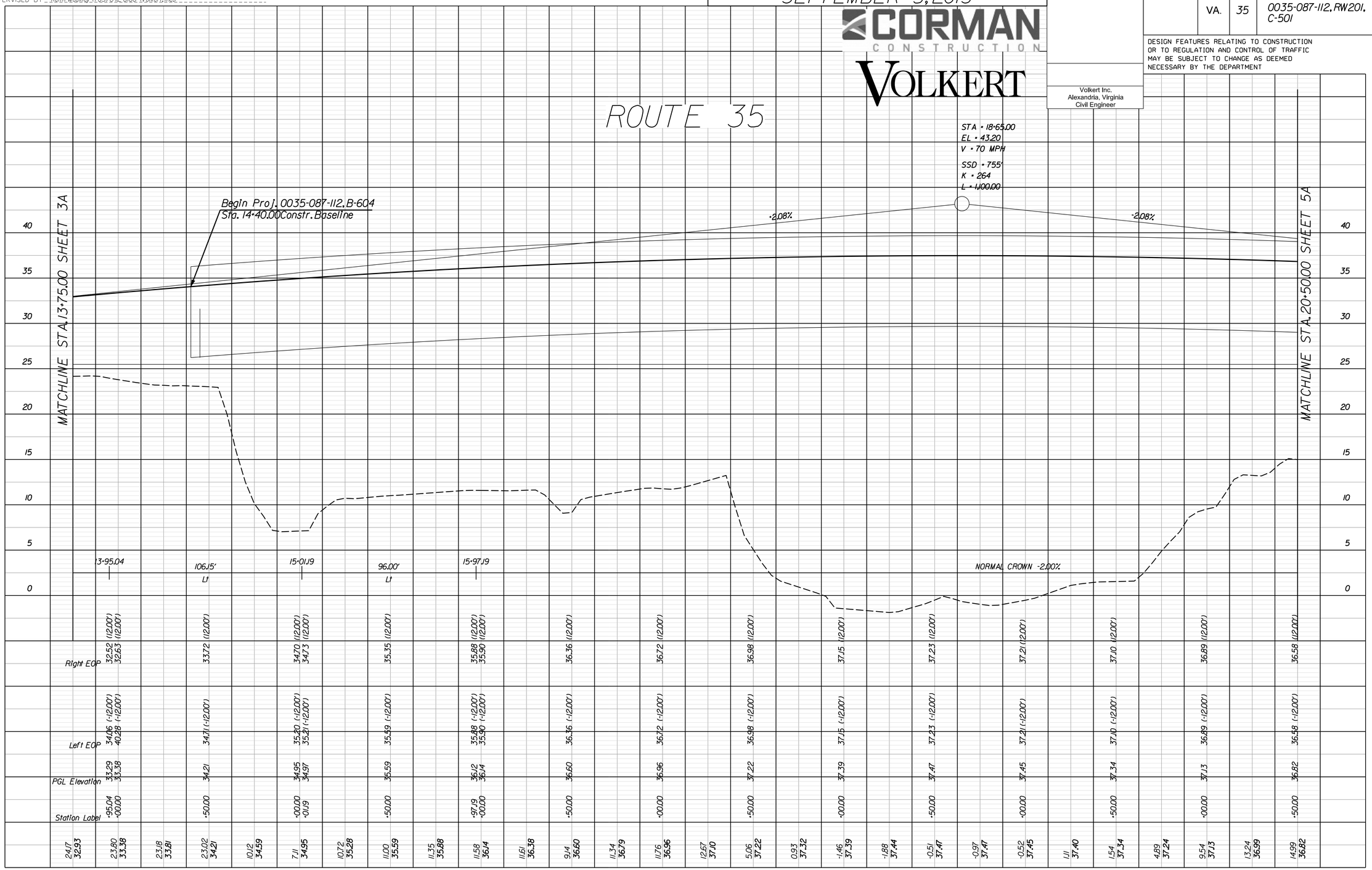
CONCEPT PLANS PROFILE VIEW
SEPTEMBER 5, 2013

CORMAN CONSTRUCTION
VOLKERT

Volkert Inc.
Alexandria, Virginia
Civil Engineer

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

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



PROJECT	SHEET NO.
0035-087-112	4A

HAMPTON ROADS DISTRICT DESIGN UNIT

PROJECT MANAGER _ _ John G. Harman, P.E. (757) 925-2308 (Hampton Roads)
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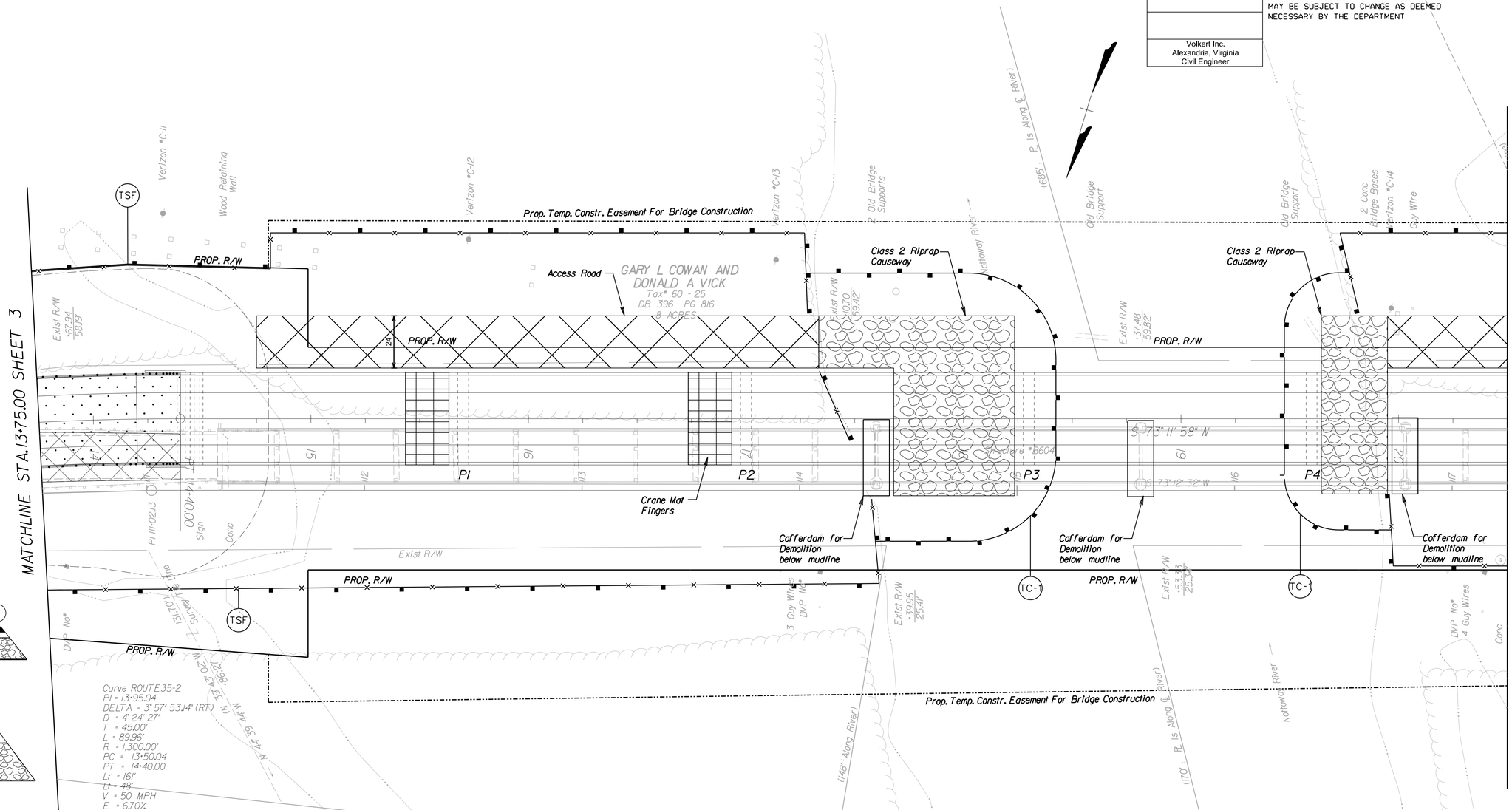
SUBSURFACE UTILITY BY, DATE _ _ Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/9/11

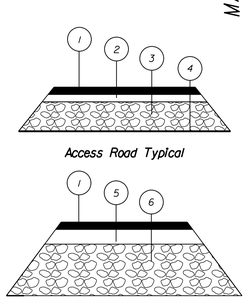
EROSION AND SEDIMENT CONTROL PLAN

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

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

Volkert Inc.
Alexandria, Virginia
Civil Engineer





1. 6" AGGREGATE BASE MATERIAL TYPE I, NO. 21B
2. 6" AGGREGATE MATERIAL, NO. 3 STONE
3. 2' Class I RIPRAP
4. GEOTEXTILE FABRIC
5. 12" AGGREGATE MATERIAL, NO. 1 STONE
6. 8.5' Class I RIPRAP

NOTE

1. Location and shapes of cofferdams shown are for informational purposes only.

TSF — Denotes Temporary Silt Fence, St'd EC-5

TC-1 — Denotes Turbidity Curtain, Type - Impervious

TCE — Denotes Temporary Stone Construction Entrance

LEGEND

C _ _ _ _ Denotes Construction Limits In Cuts

F _ _ _ Denotes Construction Limits In Fills

Denotes New Asphalt Pavement

Denotes Mill and Overlay

Denotes 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.

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

Mainline Plan	4
Mainline Profile	4A

CORMAN CONSTRUCTION

VOLKERT

CONCEPT PLANS
PLAN VIEW
SEPTEMBER 5, 2013

SCALE 0 25' 50'

PROJECT	SHEET NO.
0035-087-112	4B

HAMPTON ROADS DISTRICT DESIGN UNIT

PROJECT MANAGER _ _ John G. Harman, P.E. (757) 925-2308 (Hampton Roads)
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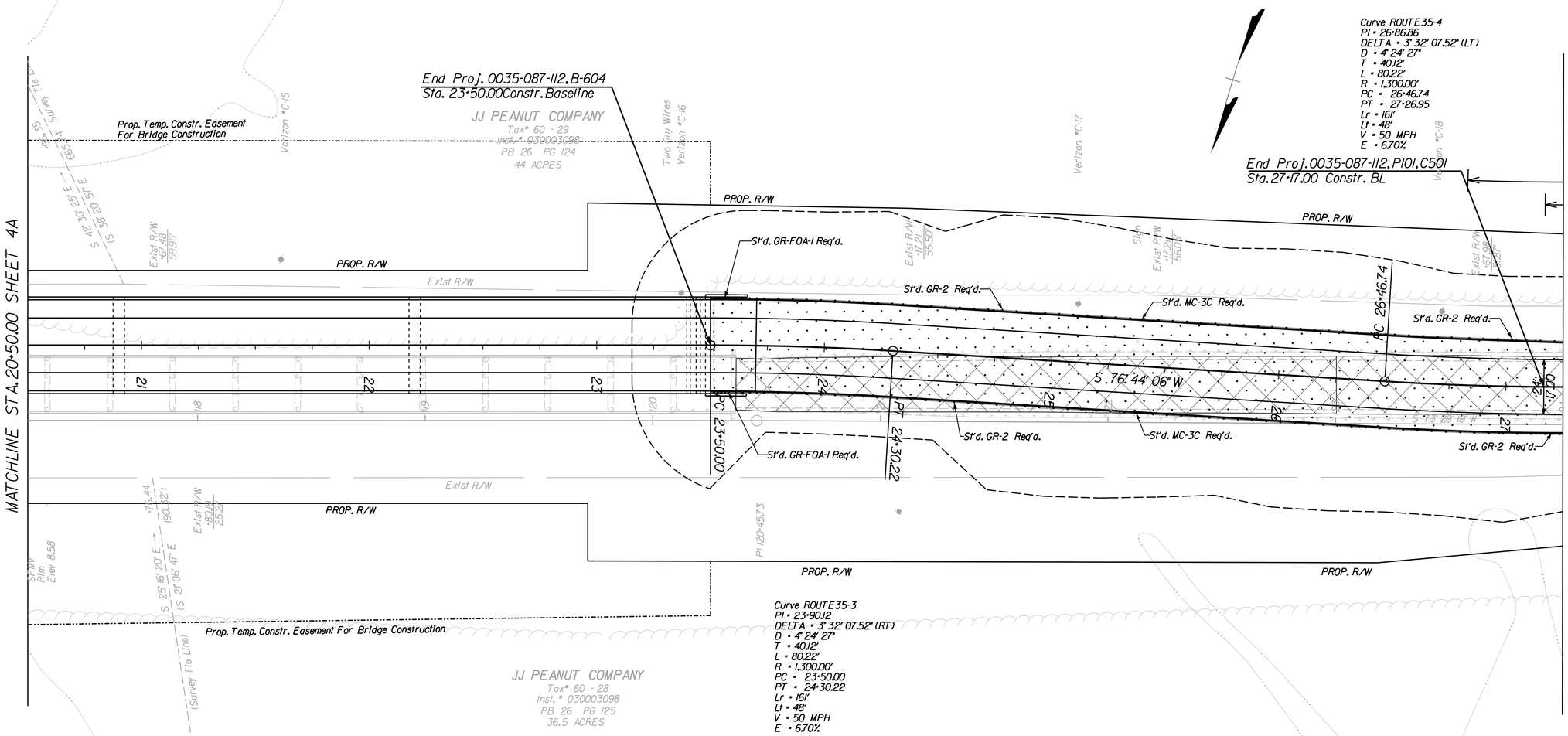
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	35	0035-087-112, RW201, C-501	5

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

Volkert Inc.
Alexandria, Virginia
Civil Engineer



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Note: See Sheet 3 for Utility Information

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

Mainline Profile	3A
E&SC Plan	3B

CORMAN CONSTRUCTION

VOLKERT

CONCEPT PLANS
PLAN VIEW
SEPTEMBER 5, 2013

SCALE 0 25' 50'

PROJECT	SHEET NO.
0035-087-112	5

PROJECT MANAGER _ John G. Harman, P.E. (757) 925-2308 (Hampton Roads)
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DESIGN SUPERVISED BY _ Keith Weakley (703) 642-8100 (Volkert, Inc.)

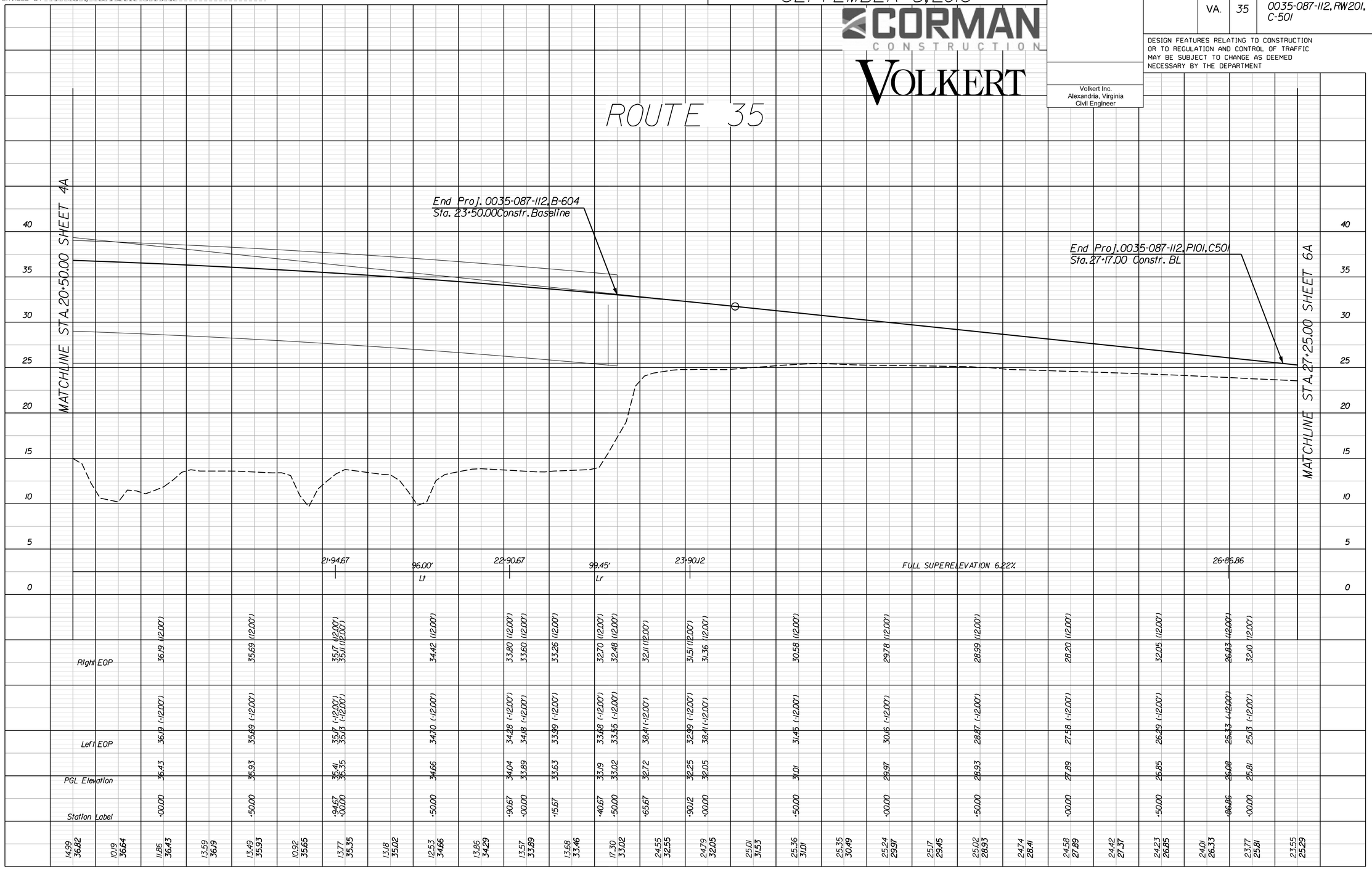
CONCEPT PLANS PROFILE VIEW
SEPTEMBER 5, 2013

CORMAN CONSTRUCTION
VOLKERT

Volkert Inc.
Alexandria, Virginia
Civil Engineer

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

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



PROJECT	SHEET NO.
0035-087-112	5A

HAMPTON ROADS DISTRICT DESIGN UNIT

PROJECT MANAGER _ _ John G. Harman, P.E. (757) 925-2308 (Hampton Roads)
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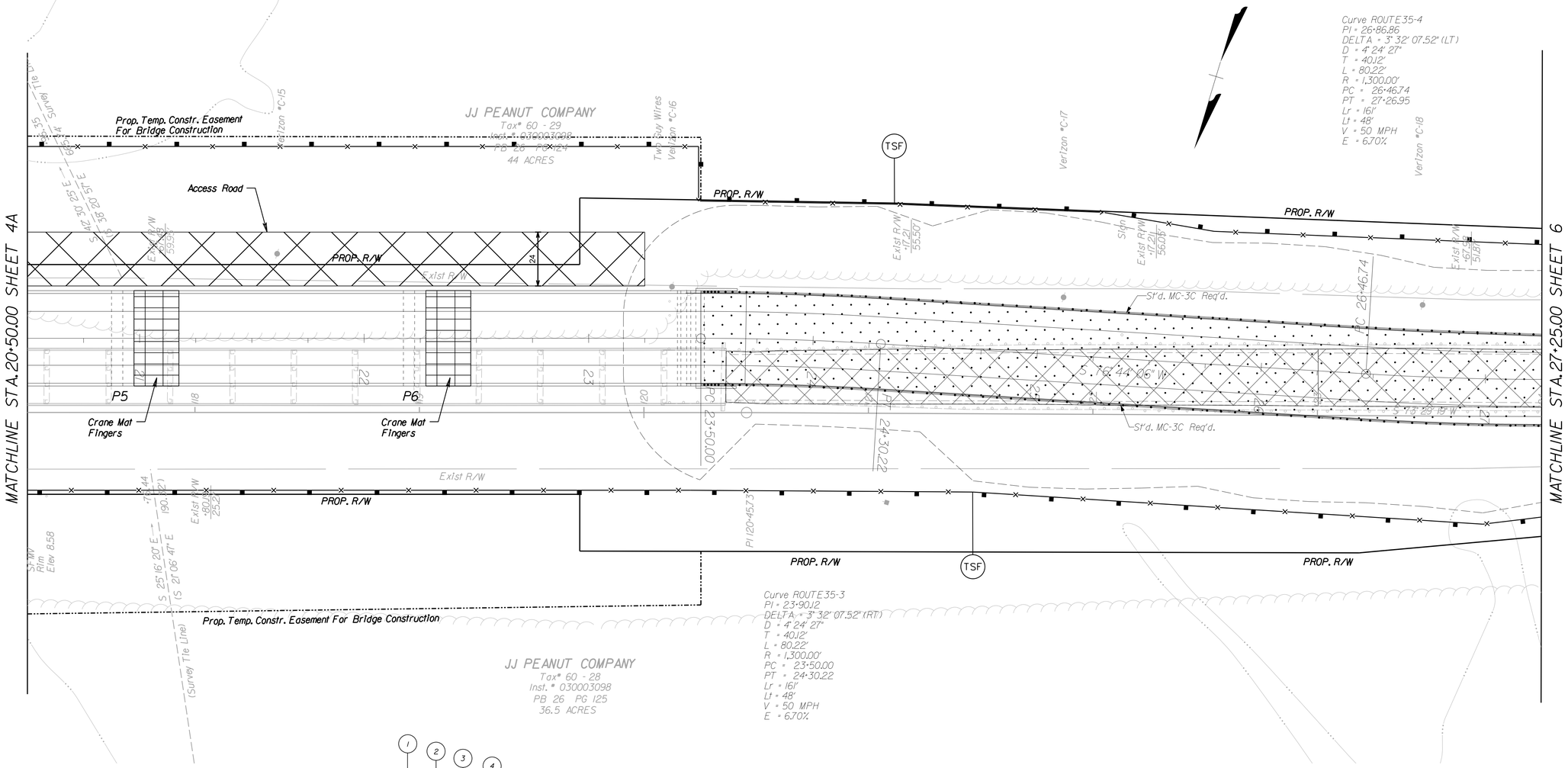
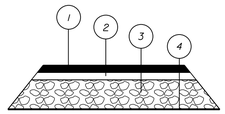
EROSION AND SEDIMENT CONTROL PLAN

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

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

Volkert Inc.
Alexandria, Virginia
Civil Engineer





Access Road Typical

1. 6" AGGREGATE BASE MATERIAL TYPE I, NO. 21B
2. 6" AGGREGATE MATERIAL, NO. 3 STONE
3. 2' Class I RIPRAP
4. GEOTEXTILE FABRIC

TSF — Denotes Temporary Silt Fence, St'd EC-5

TCE — Denotes Temporary Stone Construction Entrance

LEGEND

C _ _ _ Denotes Construction Limits In Cuts

F _ _ _ Denotes Construction Limits In Fills

Denotes New Asphalt Pavement

Denotes Mill and Overlay

Denotes Demolition of Pavement

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

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REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Mainline Plan	5
Mainline Profile	5A

CORMAN CONSTRUCTION

VOLKERT

CONCEPT PLANS
PLAN VIEW
SEPTEMBER 5, 2013

SCALE 0 25' 50'

PROJECT	SHEET NO.
0035-087-112	5B

HAMPTON ROADS DISTRICT DESIGN UNIT

PROJECT MANAGER _ _ John G. Harman, P.E. (757) 925-2308 (Hampton Roads)
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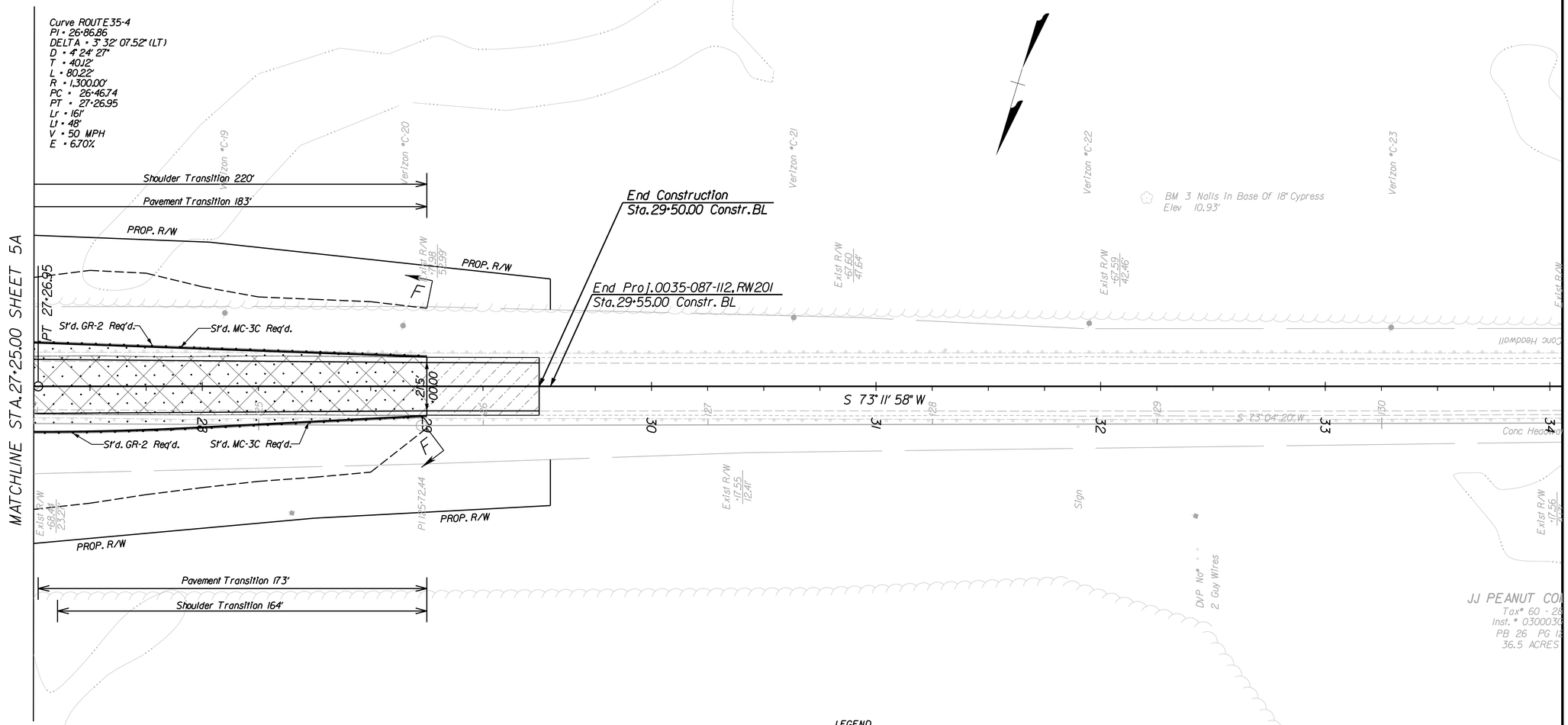
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	35	0035-087-112, RW201, C-501	6

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

Volkert Inc.
Alexandria, Virginia
Civil Engineer



LEGEND

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Denotes New Asphalt Pavement

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Note: See Sheet 3 for Utility Information

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

CORMAN CONSTRUCTION

VOLKERT

CONCEPT PLANS
PLAN VIEW
SEPTEMBER 5, 2013

SCALE 0 25' 50'

PROJECT	SHEET NO.
0035-087-112	6

PROJECT MANAGER _ John G. Harman, P.E. (757) 925-2308 (Hampton Roads)
SURVEYED BY, DATE _ Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/8/11
DESIGN BY _ Volkert Inc. (703) 642-8100 (Alexandria, VA)
DESIGN SUPERVISED BY _ Keith Weakley (703) 642-8100 (Volkert, Inc.)

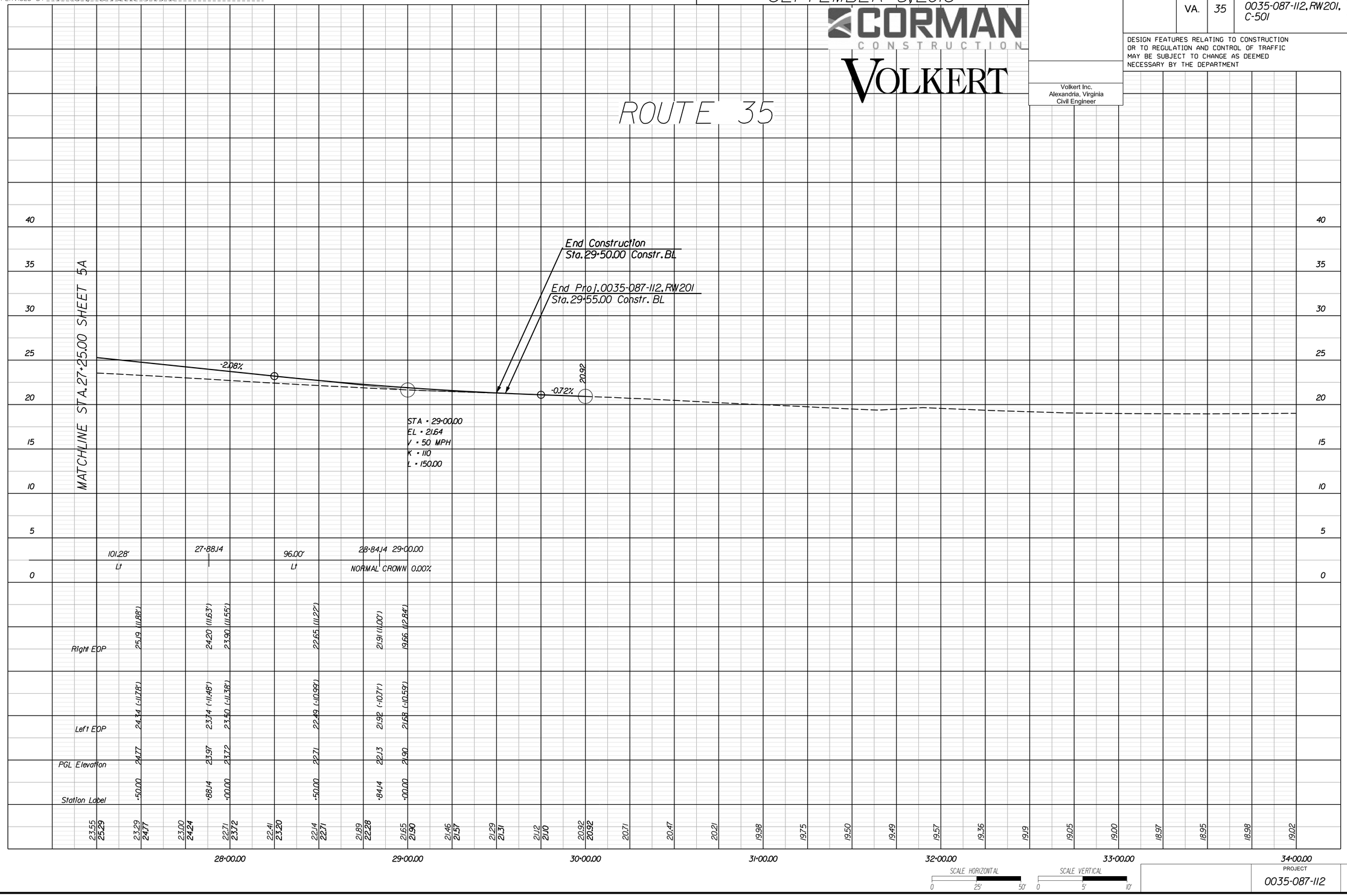
CONCEPT PLANS PROFILE VIEW
SEPTEMBER 5, 2013

CORMAN CONSTRUCTION
VOLKERT

Volkert Inc.
Alexandria, Virginia
Civil Engineer

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



PROJECT	SHEET NO.
0035-087-112	6A

HAMPTON ROADS DISTRICT DESIGN UNIT

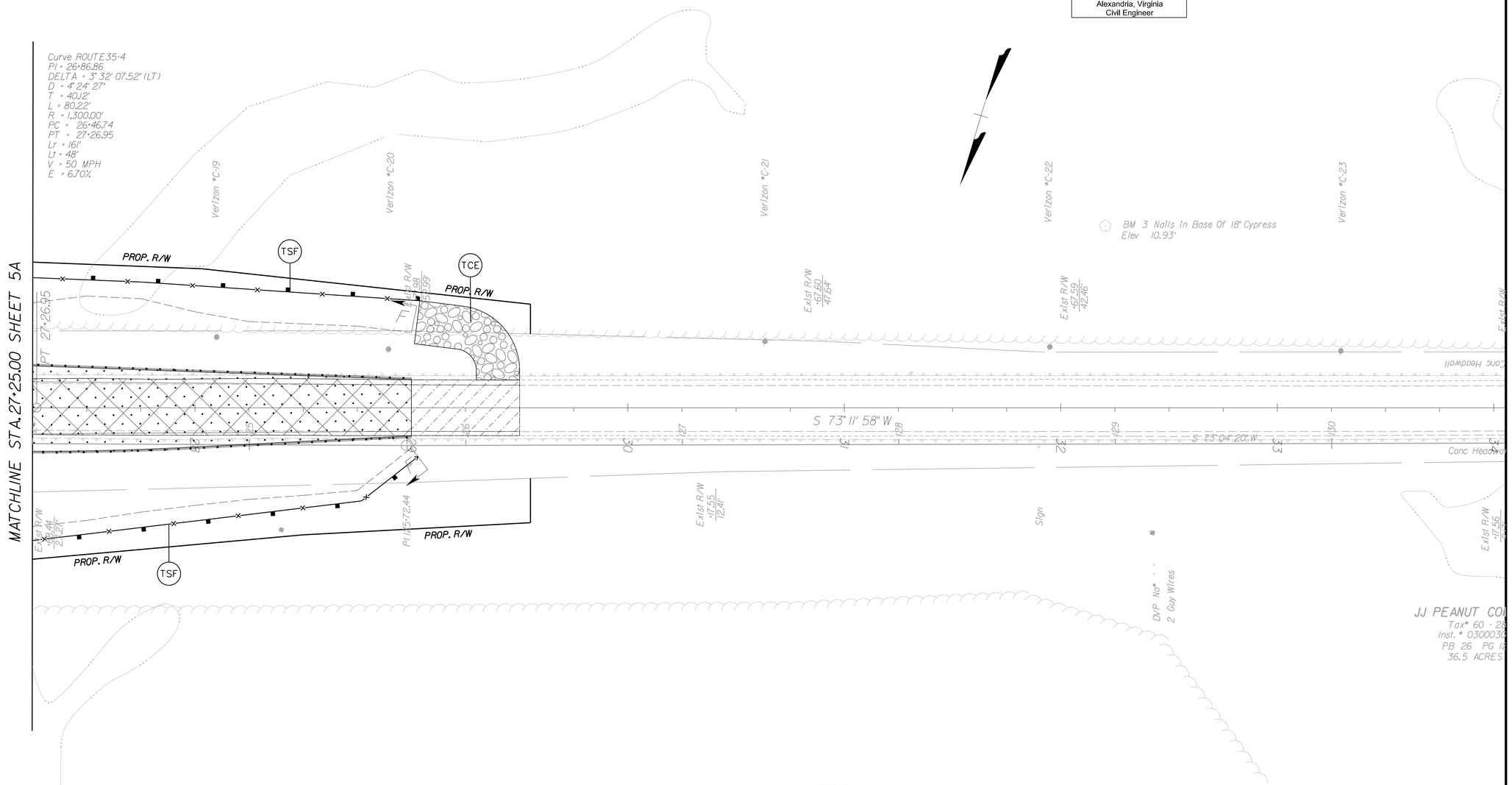
PROJECT MANAGER _ _ John G. Harman, P.E. (757) 925-2308 (Hampton Roads)
SURVEYED BY, DATE _ Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/8/11
DESIGN BY _ _ _ _ _ _ _ Volkert Inc. (703) 642-8100 (Alexandria, VA)
DESIGN SUPERVISED BY _ Keith Weakley (703) 642-8100 (Volkert, Inc.)
SUBSURFACE UTILITY BY, DATE _ _ Walter D. Freeman, L.S. (757) 925-1608 (Hampton Roads), 9/9/11

EROSION AND SEDIMENT CONTROL PLAN

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

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

Volkert Inc.
Alexandria, Virginia
Civil Engineer



CORMAN CONSTRUCTION

VOLKERT

TSF — Denotes Temporary Silt Fence, St'd EC-5

TCE — Denotes Temporary Stone Construction Entrance

LEGEND

C _ _ _ _ Denotes Construction Limits In Cuts

F _ _ _ Denotes Construction Limits In Fills

Denotes New Asphalt Pavement

Denotes Mill and Overlay

Denotes 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.

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

CONCEPT PLANS
PLAN VIEW
SEPTEMBER 5, 2013

SCALE	PROJECT	SHEET NO.
0 25' 50'	0035-087-112	6B

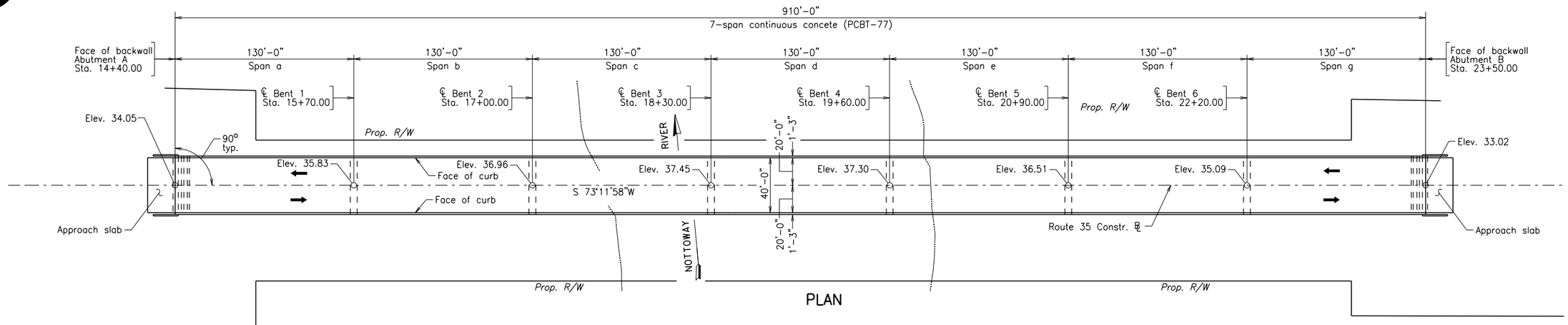
STATE	FEDERAL AID ROUTE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
VA.	—		35	0035-87-112, B604	1

NBIS Number:

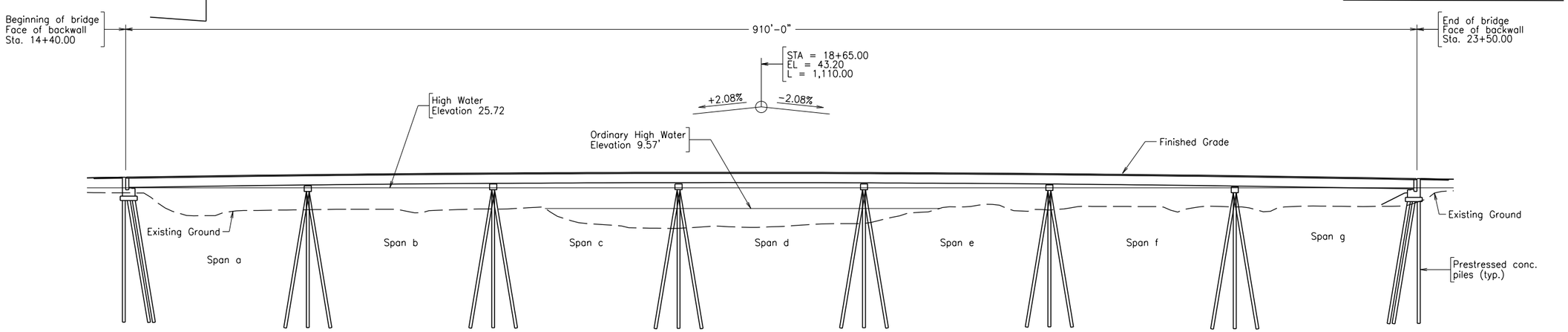
UPC No. 81457

Federal Oversight Code:

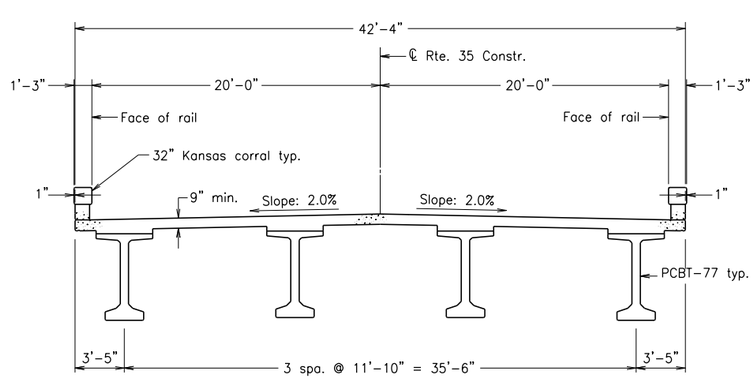
FHWA Construction and Scour Code:



PLAN



ELEVATION



TRANSVERSE SECTION

Not to scale

VDOT

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION

CONCEPTUAL TECHNICAL PROPOSAL PLANS
RTE. 35 OVER NOTTOWAY RIVER
SOUTHAMPTON COUNTY
PROJ. 0035-87-112, B604

CORMAN CONSTRUCTION

VOLKERT

Scale: 1" = 40'

No.	Description	Date

REVISIONS

For Table of Revisions, see Sheet __

Recommended for Approval: _____ ERC Date

Approved: _____ Chief Engineer Date

Date: Aug. 2013

© 2013, Commonwealth of Virginia

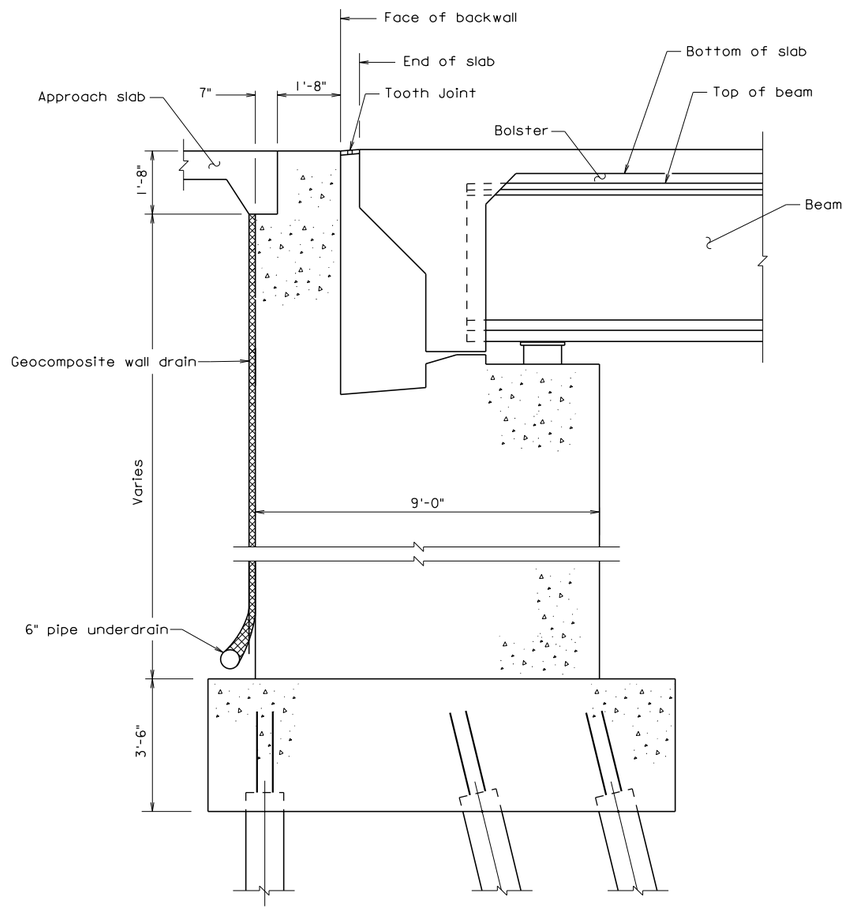
Sheet 1 of 2

PLANS BY:	
COORDINATED:	
SUPERVISED:	
DESIGNED:	
DRAWN:	
CHECKED:	

$DATE$

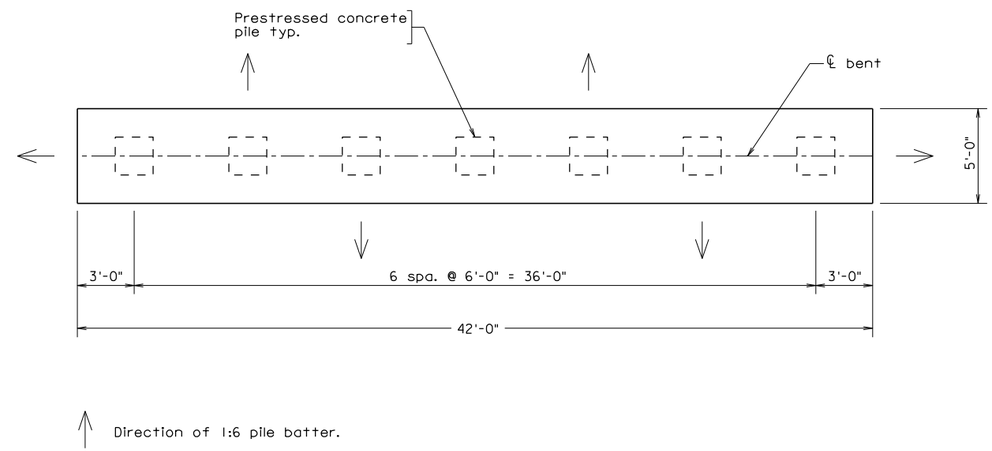
Plan and Elevation Sheet.dgn

STATE	FEDERAL AID ROUTE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
VA	—		616	0616-002-822, B674	3



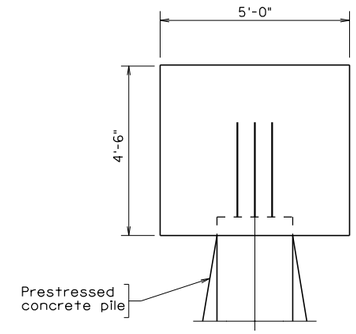
ABUTMENT SECTION

Scale: ½" = 1'-0"



PLAN OF BENT

Scale: ¼" = 1'-0"



BENT SECTION

Scale: ½" = 1'-0"

PRELIMINARY PLANS

THESE PLANS NOT TO BE USED FOR CONSTRUCTION

CORMAN CONSTRUCTION

VOLKERT

Scale as noted

©2013, Commonwealth of Virginia

No.	Description	Date

Revisions

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION

STRUCTURE AND BRIDGE DIVISION

CONCEPTUAL TECHNICAL PROPOSAL PLANS
SUBSTRUCTURE DETAILS

Designed: BCG
Drawn: BCG
Checked: CSL

Date: April 2013

Plan No.

Sheet No. 2 of 2

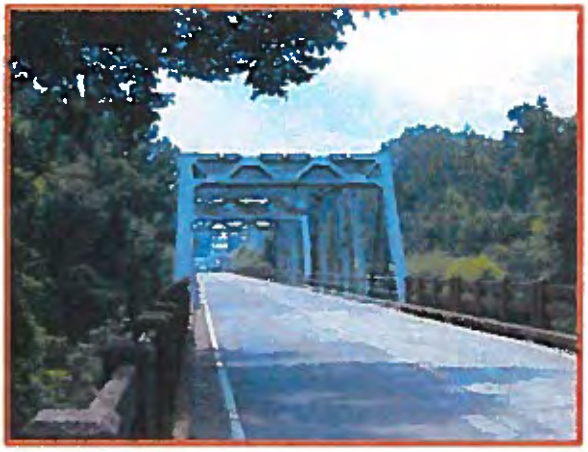
VOLKERT, INC.
ALEXANDRIA, VA
STRUCTURAL ENGINEER

Structure Details.dgn

ORIGINAL

VDOT

ROUTE 35 BRIDGE REPLACEMENT



Price Proposal

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

September 11, 2013

submitted by

CORMAN CONSTRUCTION

In association with

VOLKERT

ATTACHMENT 4.0.1.2

DESIGN-BUILD PRICE PROPOSAL CHECKLIST

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

- Contents of Price Proposal:

☒ **Cost Breakdown Summary in whole numbers and Proposal Price in both numbers and words (Attachment 4.3.1)**

☒ **Total number of Bridge Closure Days (BCDs) in both words and numbers (Attachment 4.3.1)**

☒ **Price Adjustment Information and Forms for Fuel, Asphalt and Steel, including identification of pay items and associated quantities eligible for adjustment (Part 3, Section 6.3, Attachments 6.3)**

☒ **Proposal Guaranty (C-24) required by Section 102.07 of Part 5, Division I Amendments to the Standard Specifications**

☒ **Sworn Statement Forms (C-104, C-105, Attachments 4.3.4(a) and 4.3.4(b))**

☒ **DBE Requirements Forms (C-111, C-49 and C-112) as applicable (Attachments 4.3.5(a), 4.3.5(b) and 4.3.5(c))**

☒ **CD-ROM containing the entire Price Proposal in a single cohesive Adobe PDF file**

Form C-78-RFP

ATTACHMENT 3.4

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION

RFP NO. C00081457DB57

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

ACKNOWLEDGEMENT OF RFP, REVISION AND/OR ADDENDA

Acknowledgement shall be made of receipt of the Request for Proposals (RFP) and/or any and all revisions and/or addenda pertaining to the above designated project which are issued by the Department prior to the Letter of Submittal submission date shown herein. Failure to include this acknowledgement in the Letter of Submittal may result in the rejection of your proposal.

By signing this Attachment 3.4, the Offeror acknowledges receipt of the RFP and/or following revisions and/or addenda to the RFP for the above designated project which were issued under cover letter(s) of the date(s) shown hereon:

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

SIGNATURE	September 11, 2013 DATE
Arthur C. Cox, III PRINTED NAME	Vice President TITLE

4.3.1 PROPOSAL PRICE

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	$ 922,000.00
Mobilization (Construction), LS	$ 575,000.00
QA/QC (Construction), LS	$ 865,000.00
Dismantle and Remove Existing Structure, LS	$ 950,000.00
Earthwork, LS	$ 634,072.00
Roadway Incidentals, LS	$ 600,951.25
Bridge (Structures), LS	$ 5,774,289.00
Drainage, LS	$ 94,924.00
Utilities, LS	$ 207,551.00
Environmental Permitting, LS	$ 180,891.75
ROW Acquisition, LS	$ 40,000.00
All Others Costs, LS	$ 319,338.00

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): ELEVEN MILLION ONE HUNDRED SIXTY FOUR THOUSAND SEVENTEEN DOLLARS AND 00/100 ($ 11,164,017)

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

BCDs = THREE HUNDRED AND SIXTY FIVE (365) days

Signature: [signature] Date: 9-11-13
Arthur C. Cox, III Vice President

Design-Builder: Corman Construction, Inc.

Vendor No.: C097

4.3.2 ADJUSTMENTS TO ASPHALT, FUEL & STEEL PRICES

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.

X I elect to use this provision

__I elect not to use this provision

Date: 9-11-13

Signature: Arthur C. Cox, III

Design-builder: Corman Construction, Inc.

Vendor No.: C097

EXHIBIT 6.3(b)

Form C-16a
7-13-05

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
PRICE ADJUSTMENT

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

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

DISTRICT:

Bid Prices in this contract for items containing PG 64-22 asphalt cement were developed using an f.o.b. price of $ 581.50 per **IMPERIAL** ton for **PG 64-22**. This quote will be averaged into the monthly price index.

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

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

X I elect to use this provision
__ I elect not to use this provision

DATE: 9-11-13

SIGNATURE: Arthur C. Cox, III

Corman Construction, Inc.
(Firm or Corporation)

C-097
(Vendor No.)

EXHIBIT 6.3 (c)
ADJUSTMENT FOR FUEL

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

June 30, 2011

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

X I elect to use this provision

__ I elect not to use this provision

Date: 9-11-13

Arthur C. Cox, III

Signature: ACCox

Design-builder: Corman Construction Inc.

Vendor No.: C097

PAY ITEMS ELIGIBLE FOR FUEL ADJUSTMENT

Item #	Description	Bid Qty.	UM
00120	REGULAR EXCAVATION	3000	CY
00150	EMBANKMENT	21061	CY
09151	EROS.CONTR.STONE CL. I, EC-1	22	SY
10128	AGGR. BASE MATL. TY. I NO. 21B	2485	TON
10250	NS AGGR. MATERIAL NO. 3 STONE	3248	TON
10630	FLEXIBLE PAVEMENT PLANING	289	SY
10642	ASPHALT CONCRETE TY. BM-25.0A	1124	TON
16350	ASPHALT CONCRETE TY. SM-12.5A	562	TON
24430	DEMOLITION OF PAVEMENT (FLEXIBLE)	3322	SY
27430	SILTATION CONTROL EXCAVATION	700	CY
60404	CONCRETE CLASS A4	1527	CY
64011	STRUCTURE EXCAVATION	300	CY
65013	CONCRETE CLASS A3	671.41	CY

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 9-11-13

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

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.

Design-Builder
Corman Construction, Inc.
Arthur C. Cox, III, Vice President

9-11-13
Date

Sample Calculation of a Price Adjustment (increase)

Project bid on April 28, 2004.

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

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

*free on board

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

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

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

Adjustment formula is as follows:

A = B X P X 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 lb.

A = 0.2816 x 0.054 x 450,000

A = $6,842.88 pay adjustment to Design-Builder

Sample Calculation of a Price Adjustment (decrease)

Project bid on April 28, 2004.

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

Design-Builder's *f.o.b. supplier price for structural steel submitted in the Price Proposal is $0.2616 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 X P X 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 lb.

A = 0.2816 x 0.030 x 450,000

A = $3,801.60 credit to Department

MASTER LISTING

STANDARD BID ITEMS ELIGIBLE FOR STEEL PRICE ADJUSTMENT

March 18, 2009

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

45572	18" STEEL ENCASE. PIPE	LF	101706
45582	24" STEEL ENCASE. PIPE	LF	101706
45584	24" JACKED STEEL ENCASEMENT PIPE	LF	101706
45592	30" STEEL ENCASE. PIPE	LF	101706
50402	SIGN POST STEEL 3"	LF	101706
50404	SIGN POST STEEL 4"	LF	101706
50406	SIGN POST STEEL 6"	LF	101706
50410	SIGN POST STEEL 10"	LF	101706
50412	SIGN POST STEEL 12"	LF	101706
50414	SIGN POST STEEL 14"	LF	101706
50416	SIGN POST STEEL 16"	LF	101706
50418	SIGN POST STEEL 18"	LF	101706
51317	SIG. POLE MP-1 20' ONE ARM 30'	EA	101706
51319	SIG. POLE MP-1 20' ONE ARM 32'	EA	101706
51325	SIG. POLE MP-1 20' ONE ARM 38'	EA	101706
51327	SIG. POLE MP-1 20' ONE ARM 40'	EA	101706
51329	SIG. POLE MP-1 20' ONE ARM 42'	EA	101706
51331	SIG. POLE MP-1 20' ONE ARM 44'	EA	101706
51337	SIG. POLE MP-1 20' ONE ARM 50'	EA	101706
51339	SIG. POLE MP-1 20' ONE ARM 52'	EA	101706
51341	SIG. POLE MP-1 20' ONE ARM 54'	EA	101706
51344	SIG. POLE MP-1 20' ONE ARM 56'	EA	101706
51346	SIG. POLE MP-1 20' ONE ARM 58'	EA	101706
51347	SIG. POLE MP-1 20' ONE ARM 60'	EA	101706
51348	SIG. POLE MP-1 20' ONE ARM 62'	EA	101706
51368	SIG.POLE MP-1 20'TWO ARMS 36'& 42'	EA	101706
51400	SIG.POLE MP-1 CO.LU.ONE ARM 38	EA	101706
51402	SIG.POLE MP-1 CO.LU.ONE ARM 40	EA	101706
51408	SIG.POLE MP-1 CO.LU.ONE ARM 46	EA	101706
51412	SIG.POLE MP-1 CO.LU.ONE ARM 50	EA	101706
51414	SIG.POLE MP-1 CO.LU.ONE ARM 52	EA	101706
51416	SIG.POLE MP-1 CO.LU.ONE ARM 54	EA	101706
51418	SIG.POLE MP-1 CO.LU.ONE ARM 56	EA	101706
51420	SIG.POLE MP-1 CO.LU.ONE ARM 58	EA	101706
51422	SIG.POLE MP-1 CO.LU.ONE ARM 60	EA	101706
55162	LIGHTING POLE LP-1 30'-4'	EA	101706
55163	LIGHTING POLE LP-1 30'-6'	EA	101706
55166	LIGHTING POLE LP-1 30'-12'	EA	101706
55169	LIGHTING POLE LP-1 35'-6'	EA	101706
55171	LIGHTING POLE LP-1 35'-10'	EA	101706
55176	LIGHTING POLE LP-1 40'-8'	EA	101706
55185	LIGHTING POLE LP-2 TYPE A	EA	101706
55186	LIGHTING POLE LP-2 TYPE B	EA	101706
55187	LIGHTING POLE LP-2 TYPE C	EA	101706
55188	LIGHTING POLE LP-2 TYPE D	EA	101706
55189	LIGHTING POLE LP-2 TYPE E	EA	101706
55190	LIGHTING POLE LP-2 TYPE F	EA	101706
55192	LIGHTING POLE LP-2 TYPE H	EA	101706
60452	REINF. STEEL BRIDGE APPR. SLAB	LB	101704
61700	REINF. STEEL	LB	101704
61704	CORROSION RESISTANT REINF. STEEL	LB	101704
61705	EPOXY COATED REINF. STEEL	LB	101704
61750	STRUCT.STEEL HIGH STRG.PLT.GIRDERS	LB	avg. 1017 & 101
61811	STR.STEEL PLATE GIRDER ASTM A709 GRADE50	LB	avg. 1017 & 101
61812	STR.STEEL PLATE GIRDER ASTM A709 GRADE50	LB	avg. 1017 & 101
61813	STR.STEEL PLATE GIRDER ASTM A709 GRADEHPS50W	LB	avg. 1017 & 101

61814	STR.STEEL PLATE GIRDER ASTM A709 GRADEHPS70W	LB	avg. 1017 & 101
61820	STR.STEEL ROLLED BEAM ASTM A709 GRADE 36	LB	avg. 1017 & 101
61821	STR.STEEL ROLLED BEAM ASTM A709 GRADE50	LB	avg. 1017 & 101
61822	STR.STEEL ROLLED BEAM ASTM A709 GRADE50W	LB	avg. 1017 & 101
61990	STEEL GRID FLOOR	SF	avg. 1017 & 101
64110	STEEL PILES 10"	LF	avg. 1017 & 101
64112	STEEL PILES 12"	LF	avg. 1017 & 101
64114	STEEL PILES 14"	LF	avg. 1017 & 101
64768	DRIVING TEST FOR 12" STEEL PILE	LF	avg. 1017 & 101
64778	DRIVING TEST FOR 14" STEEL PILE	LF	avg. 1017 & 101
65200	REINF. STEEL	LB	101704
65204	CORROSION RESISTANT REINF. STEEL	LB	101704
65205	EPOXY COATED REINF. STEEL	LB	101704
67086	PED. FENCE 6'	LF	avg. 1017 & 101
67088	PED. FENCE 8'	LF	avg. 1017 & 101
67089	PED. FENCE 10'	LF	avg. 1017 & 101
68100	REINF. STEEL	LB	101704
68104	CORROSION RESISTANT REINF. STEEL	LB	101704
68105	EPOXY COATED REINF. STEEL	LB	101704
68107	STR.STEEL PLATE GIRDER ASTM A709 GRADE50	LB	avg. 1017 & 101
68108	STR. STEEL PLATE GIRDER ASTM A709 GR50W	LB	avg. 1017 & 101
68109	STR. STEEL PLATE GIRDER ASTM A709 GR.HPS50W	LB	avg. 1017 & 101
68110	STR. STEEL PLATE GIRDER ASTM A709 GR.HPS70W	LB	avg. 1017 & 101
68112	STR.STEEL ROLLED BEAM ASTM A709 GR.36	LB	avg. 1017 & 101
68113	STR.STEEL ROLLED BEAM ASTM A709 GR.50	LB	avg. 1017 & 101
68114	STR.STEEL ROLLED BEAM ASTM A709 GR. 50W	LB	avg. 1017 & 101
68115	STRUCT. STEEL	LB	avg. 1017 & 101
68270	REINF. STEEL BRIDGE APPR. SLAB	LB	101704
69060	SHEET PILES, STEEL	SF	avg. 1017 & 101
69100	REINF. STEEL	LB	101704
69104	CORROSION RESISTANT REINF. STEEL	LB	101704
69105	EPOXY COATED REINF. STEEL	LB	101704
69110	STEEL PILES 10"	LF	avg. 1017 & 101
69112	STEEL PILE 12"	LF	avg. 1017 & 101
69113	DRIVING TEST FOR 12" STEEL PILE	LF	avg. 1017 & 101

___I elect to use this provision

X I elect not to use this provision

Date: 9-11-13

Arthur C. Cox, III

Signature: _____

Design-Builder: Corman Construction, Inc.

Vendor No.: C097

4.3.3 PROPOSAL GUARANTY

Form C-24
Rev. 7-6-05

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
PROPOSAL GUARANTY

KNOW ALL MEN BY THESE PRESENTS, THAT WE Corman Construction, Inc. As principal, and Fidelity and Deposit Company of Maryland 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 21st Day of August, 2013

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

PROJECT NUMBER: (NFO 0035-087 112 PE 101 RW-201 C-501 B-604 ID No. C00081457DB57)

Design/Build of Route 35 Bridge Replacement and Approaches Over the Nottoway River

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.

Corman Construction, Inc
(Principal*)

By: [signature]
(Officer, Partner or Owner) (Seal)
Arthur C Cox III Vice President

(Principal*)

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

(Principal*)

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

Fidelity and Deposit Company of Maryland
(Surety Company)

By: [signature]
Robert A. Chlada (Attorney-in-Fact**) (Seal)
1400 American Lane, Tower I, 18th Floor
Schaumburg, IL 60196-1056
(Address)

By:
(Surety Company)

(Attorney-in-Fact**) (Seal)

By:
(Address)

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

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

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

**Attach copy of Power of Attorney

Commonwealth of Virginia

STATE CORPORATION COMMISSION

July 1, 2013

FIDELITY AND DEPOSIT COMPANY OF MARYLAND
600 RED BROOK BLVD
OWINGS MILLS MD 21117-5153

is hereby licensed to transact the business of

Aircraft Liability	Glass
Auto Liability	Homeowners Multi-Peril
Auto Physical Damage	Inland Marine
Boiler & Machinery	Liability Other than Auto
Burglary & Theft	Misc Property & Casualty
Commercial Multi-Peril	Ocean Marine
Credit	Surety
Credit Property Insurance	Water Damage
Fidelity	Workers Compensation & Employers'
Fire	Liability

in the Commonwealth of Virginia through the thirtieth day of June next succeeding the date hereof unless this license shall be sooner revoked or otherwise cancelled.

ID: 39306

STATE CORPORATION COMMISSION VIRGINIA SIC SEMPER TYRANNIS BUREAU OF INSURANCE

State Corporation Commission
Bureau of Insurance

By: Jacqueline K. Cunningham
Commissioner

FIDELITY AND DEPOSIT COMPANY

OF MARYLAND

600 Red Brook Blvd., Suite 600, Owings Mills, MD 21117

Statement of Financial Condition
As Of December 31, 2012

ASSETS

Bonds	$ 157,177,826
Stocks	23,000,311
Cash and Short Term Investments	119,155
Reinsurance Recoverable	17,923,564
Other Accounts Receivable	35,473,256
TOTAL ADMITTED ASSETS	$ 233,694,113

LIABILITIES, SURPLUS AND OTHER FUNDS

Reserve for Taxes and Expenses		$ 74,782
Ceded Reinsurance Premiums Payable		48,323,524
Securities Lending Collateral Liability		1,716,240
TOTAL LIABILITIES		$ 50,114,546
Capital Stock, Paid Up	$ 5,000,000	
Surplus	178,579,567	
Surplus as regards Policyholders		183,579,567
TOTAL		$ 233,694,113

Securities carried at $59,468,002 in the above statement are deposited as required by law.

Securities carried on the basis prescribed by the National Association of Insurance Commissioners. On the basis of December 31, 2012 market quotations for all bonds and stocks owned, the Company's total admitted assets would be $243,518,971 and surplus as regards policyholders $193,404,425.

I, DENNIS F. KERRIGAN, Corporate Secretary of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, do hereby certify that the foregoing statement is a correct exhibit of the assets and liabilities of the said Company on the 31st day of December, 2012.

Corporate Secretary

State of Illinois
City of Schaumburg } SS:

Subscribed and sworn to, before me, a Notary Public of the State of Illinois, in the City of Schaumburg, this 15th day of March, 2013.

Notary Public

OFFICIAL SEAL
DARRYL JOINER
Notary Public - State of Illinois
My Commission Expires May 3, 2014

ZURICH AMERICAN INSURANCE COMPANY
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY
FIDELITY AND DEPOSIT COMPANY OF MARYLAND
POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That the ZURICH AMERICAN INSURANCE COMPANY, a corporation of the State of New York, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, a corporation of the State of Maryland, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND a corporation of the State of Maryland (herein collectively called the "Companies"), by **JAMES M. CARROLL, Vice President,** in pursuance of authority granted by Article V, Section 8, of the By-Laws of said Companies, which are set forth on the reverse side hereof and are hereby certified to be in full force and effect on the date hereof, do hereby nominate, constitute, and appoint **Joseph A. PIERSON, Robert A. CHLADA, Cynthia M. CHARYAT, April O. COMPTON, Dennis C. OURAND, Steven A. DZURIK, JR., John J. MARKOTIC and Diane S. LOUGHRY, all of Hunt Valley, Maryland, EACH** its true and lawful agent and Attorney-in-Fact, to make, execute, seal and deliver, for, and on its behalf as surety, and as its act and deed: **any and all bonds and undertakings,** and the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Companies, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the ZURICH AMERICAN INSURANCE COMPANY at its office in New York, New York., the regularly elected officers of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at its office in Owings Mills, Maryland., and the regularly elected officers of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at its office in Owings Mills, Maryland., in their own proper persons.

The said Vice President does hereby certify that the extract set forth on the reverse side hereof is a true copy of Article V, Section 8, of the By-Laws of said Companies, and is now in force.

IN WITNESS WHEREOF, the said Vice-President has hereunto subscribed his/her names and affixed the Corporate Seals of the said **ZURICH AMERICAN INSURANCE COMPANY, COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and FIDELITY AND DEPOSIT COMPANY OF MARYLAND**, this 7th day of May, A.D. 2013.

ATTEST:

ZURICH AMERICAN INSURANCE COMPANY
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY
FIDELITY AND DEPOSIT COMPANY OF MARYLAND

By: _____
Assistant Secretary
Eric D. Barnes

_____
Vice President
James M. Carroll

State of Maryland
City of Baltimore

On this 7th day of May, A.D. 2013, before the subscriber, a Notary Public of the State of Maryland, duly commissioned and qualified, **JAMES M. CARROLL, Vice President, and ERIC D. BARNES, Assistant Secretary,** of the Companies, to me personally known to be the individuals and officers described in and who executed the preceding instrument, and acknowledged the execution of same, and being by me duly sworn, deposeth and saith, that he/she is the said officer of the Company aforesaid, and that the seals affixed to the preceding instrument are the Corporate Seals of said Companies, and that the said Corporate Seals and the signature as such officer were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporations

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal the day and year first above written

_____
Constance A. Dunn, Notary Public
My Commission Expires July 14, 2015

POA-F 025-0056C

EXTRACT FROM BY-LAWS OF THE COMPANIES

"Article V, Section 8. Attorneys-in-Fact. The Chief Executive Officer, the President, or any Executive Vice President or Vice President may, by written instrument under the attested corporate seal, appoint attorneys-in-fact with authority to execute bonds, policies, recognizances, stipulations, undertakings, or other like instruments on behalf of the Company, and may authorize any officer or any such attorney-in-fact to affix the corporate seal thereto; and may with or without cause modify of revoke any such appointment or authority at any time."

CERTIFICATE

I, the undersigned, Vice President of the ZURICH AMERICAN INSURANCE COMPANY, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, do hereby certify that the foregoing Power of Attorney is still in full force and effect on the date of this certificate; and I do further certify that Article V, Section 8, of the By-Laws of the Companies is still in force.

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the ZURICH AMERICAN INSURANCE COMPANY at a meeting duly called and held on the 15th day of December 1998.

RESOLVED: "That the signature of the President or a Vice President and the attesting signature of a Secretary or an Assistant Secretary and the Seal of the Company may be affixed by facsimile on any Power of Attorney...Any such Power or any certificate thereof bearing such facsimile signature and seal shall be valid and binding on the Company."

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at a meeting duly called and held on the 5th day of May, 1994, and the following resolution of the Board of Directors of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at a meeting duly called and held on the 10th day of May, 1990.

RESOLVED: "That the facsimile or mechanically reproduced seal of the company and facsimile or mechanically reproduced signature of any Vice-President, Secretary, or Assistant Secretary of the Company, whether made heretofore or hereafter, wherever appearing upon a certified copy of any power of attorney issued by the Company, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seals of the said Companies, this 21st day of August, 2013.

Geoffrey Delisio, Vice President

4.3.4 SWORN STATEMENTS

Form C-104
Rev. 7-13-05

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION

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

FHWA: BR-087-5(014)

This form must be completed, signed and returned with bid; and failure to do so may result in the rejection of your bid. **THE CONTRACTOR SHALL AFFIRM THE FOLLOWIN G STATEM ENT EITHER BY SIGNING THE AFFIDAVIT AND HA VING IT NOTARIZED OR BY SIGNING THE UNSWORN DECLARATION UNDER PENALTY OF PERJURY U NDER THE LA WS 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 Anne Arundel County, Maryland, this 11 day of September, 20 13
County (City), STATE

Corman Construction, Inc. By: [signature] Arthur C. Cox, III
(Name of Firm) (Signature) Vice President
Title (print)

STATE of Maryland COUNTY (CITY) of AA Co, Annapolis Jnt
To-wit:

I Bonnie Hulme, a Notary Public in and for the State and County(City) aforesaid, hereby certify that this day Arthur C. Cox, III personally appeared before me and made oath that he is duly authorized to make the above statements and that such statements are true and correct.

Subscribed and sworn to before me this 11th day of September, 20 13

[signature] My Commission expires May 2014
Notary Public

OR

UNSWORN DECLARATION

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

Signed at _____, this ____ day of _____, 20 ____
County (City), STATE

_____ By: _____ _____
(Name of Firm) (Signature) Title (print)

Form C-105
Rev. 7-13-05

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
AFFIDAVIT

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

FHWA: BR-087-5(014)

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

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

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

NAME	Location of Principal Office
VTCA	Richmond, VA
ARTBA	Washington, DC
MTBMA	Glen Burnie, MD

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.:

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 Anne Arundel Co. Maryland, this 11th day of Sept, 20 13
County (City), STATE

Corman Construction, Inc. (Name of Firm) By: [signature] (Signature) Arthur C. Cox III, Vice President (Title (print))

STATE of Maryland COUNTY (CITY) of AA Co Annapolis Junction
To-wit:

I Bonnie Hulme, a Notary Public in and for the State and County(City) aforesaid, hereby certify that this day Arthur C. Cox, III personally appeared before me and made oath that he is duly authorized to make the above statements and that such statements are true and correct.

Subscribed and sworn to before me this 11th day of September, 20 13

[signature] Notary Public My Commission expires May 2013

4.3.5 DBE

Form C-111
Rev. 2-15-11

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
MINIMUM DBE REQUIREMENTS

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

FHWA NO. BR-087-5(014)

*** * * INSTRUCTIONS * * ***

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

DBE REQUIREMENT 12 %

PERCENT ATTAINED BY BIDDER 12 %

NAMES(S) AND CERTIFICATION NO. OF DBE(S) TO BE USED	USED AS SUBCONTR. (S) MFG. (M) SUPPLIER (SP) HAULER (H)	TYPE OF WORK AND ITEM NO(S)	$ AMOUNT OF ALLOWABLE CREDIT PER ITEM
		SEE ATTACHED	
		TOTAL	$ 1,339,857.50

TOTAL CONTRACT VALUE $ 11,164,017 x REQUIRED DBE 12 % = $ 1,339,682.04

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

Corman Construction, Inc. — BIDDER

BY — SIGNATURE

Arthur C. Cox, III Vice President — TITLE

BY 9-11-13 — DATE

C-111 ATTACHMENT
CORMAN CONSTRUCTION, INC.
RTE 35 BRIDGE REPLACEMENT

CERTIFICATION NUMBER	NAME	USED AS	TYPE OF WORK & ITEM NO.	AMT OF ALLOWABLE CREDIT PER ITEM
650392	A&P Services	Sub	Furnish & Install Guardrail	$ 58,090.00
660048	Aver Technologies	Sub	Dynamic pile testing	$ 21,000.00
658179	Brookhill Electrical	Sub	Supply & Install lighting	$ 123,571.00
626244	Commercial Seeding	Sub	Seeding, mulching, E&S controls	$ 74,005.00
000610	Devcon Contracting	Sub	On-site and Quarry Hauling	$ 119,049.00
626596	DT Read Steel Company	Sub	Furnish and install reinforcing steel	$ 618,106.02
626596	DT Read Steel Company	Sub	Furnish and install deck pans	$ 102,372.48
679423	H&B Surveying and Mapping	Sub	Design Survey Services	$ 59,618.00
626541	Lasting Coastline	Sub	Striping and Signage	$ 31,046.00
000982	Sabra, Wang, and Associates	Sub	Design Services	$ 98,000.00
676087	Utility Professional Services	Sub	Utility Relocation Design	$ 35,000.00
			Total	**$ 1,339,857.50**

9/11/2013

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: Corman Construction, Inc.

By: _____ (Signature) Arthur C. Cox, III — Vice President (Title)

Date: August 21, 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 A & P SERVICES, LLC

By _____ Signature CHIEF EXEC. MANAGER Title

Date 8/8/13

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

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

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

Prime Contractor Corman Construction, Inc.

By: _____ Signature
Arthur C. Cox, III

Vice President
Title

Date: August 21, 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 Aver Technologies, Inc.

By: _____ President
Signature Title

Date: 08/13/2013

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

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

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

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

Prime Contractor Corman Construction, Inc.

By: _____ Signature — Vice President Title

Arthur C. Cox, III

Date: August 21, 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 Imorex, Inc. d/b/a Brook Hill Electrical & Traffic Signals

By: Daniel R Scott Vice President
Signature Title

Date: 09/06/13

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

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

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

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

Prime Contractor: Corman Construction, Inc.

By: _____ (Signature) Vice President (Title)

Arthur C. Cox, III

Date: August 21, 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 Commercial Seeding, Inc.

By: [signature] President
Signature Title

Date: 8/7/13

Commercial Seeding, Inc.
19123 Beale Place Drive
Zuni, Virginia 23898
Commseedinginc@aol.com
Ph: (757) 242-6756 Fax: (757) 242-6758

VDOT DBE# C-329
SWAM# 626244
DDOT#12-05-03-R
VA Contractors License #
2705150741

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

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

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

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

Prime Contractor Corman Construction, Inc.

By _____ Signature
Arthur C. Cox, III

Vice President
Title

Date August 21, 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 DEVCON CONTRACTING INC

By _____ PRESIDENT
Signature Title

Date: 9/6/2013

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

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

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

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

Prime Contractor Corman Construction, Inc.

By: _____ Vice President
Signature Title
Arthur C. Cox, III

Date: August 21, 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 President Title

Date: 8/9/13

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

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

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

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

Prime Contractor: CORMAN CONSTRUCTION, INC.

By: [signature] (Signature) — VICE PRESIDENT (Title)

ARTHUR C. COX, III

Date: 9-11-13

First Tier Subcontractor if Applicable: Volkert, Inc.

By: Dennis C. Morrison (Signature) — Senior Vice President (Title)

Date: 9-5-13

Second Tier Subcontractor if Applicable _____

By: _____ _____
Signature Title

Date: _____

Third Tier Subcontractor if Applicable _____

By: _____ _____
Signature Title

Date: _____

DBE Contractor H & B Surveying and Mapping, LLC

By: Alan W. Hanson President
Signature Title

Date: 8-28-2013

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

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

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

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

Prime Contractor Corman Construction, Inc.

By: _____ Signature
Arthur C. Cox, III

Vice President
Title

Date: August 21, 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 LASTING COASTLINE INC

By: _____ Signature V. Pres Title

Reed Lassiter

Date: 9/5/13

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

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

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

Prime Contractor: Corman Construction, Inc.

By: [signature] (Signature) — Vice President (Title)

Arthur C. Cox, III

Date: 9-11-13

First Tier Subcontractor if Applicable: Volkert, Inc.

By: Dennis C. Morrison (Signature) — Senior Vice President (Title)

Date: 9-5-13

Second Tier Subcontractor if Applicable _____

By: _____ Signature _____ Title

Date: _____

Third Tier Subcontractor if Applicable _____

By: _____ Signature _____ Title

Date: _____

DBE Contractor Sabra, Wang & Associates, Inc.

By: _____ Signature Principal Title

Date August 29, 2013

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

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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 Corman Construction, Inc.

By: _____ Signature
Arthur C. Cox, III

Vice President
Title

Date: August 21, 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 Utility Professional Services Inc

By Tanya C. Howe President
Signature Title

Date July 5, 2013