

# Virginia Department of Transportation

## *I-77 over Route 606 Bridge Replacement Design-Build*

**Contract ID No. C00117110DB115**

January 18, 2023



*Letter of Submittal*

# Attachment 4.0.1.1 – Letter of Submittal Checklist

## ATTACHMENT 4.0.1.1

### I-77 over Route 606 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
<b>Letter of Submittal Checklist and Contents</b>	Attachment 4.0.1.1	Section 4.0.1.1	1
<b>Acknowledgement of RFP, Revisions, and/or Addenda</b>	Attachment 3.4 (Form C-78-RFP)	Sections 3.4; 4.0.1.1	3
<b>Letter of Submittal</b>	NA	Sections 4.1	4-5
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	5
Offeror's Corporate Structure	NA	Section 4.1.6	5
Full Legal Name of Lead Contractor, Lead Designer, and QAM	NA	Section 4.1.7	5
Offeror's VDOT prequalification information	NA	Section 4.1.8	5
DBE statement confirming Offeror is committed to achieving the required DBE goal	NA	Section 4.1.9	5
Interim Milestone and Final Completion Date(s)	NA	Section 4.1.10	5

**ATTACHMENT 4.0.1.1**

**I-77 over Route 606 Bridge Replacement**

**LETTER OF SUBMITTAL CHECKLIST AND CONTENTS**

<b>Letter of Submittal Component</b>	<b>Form (if any)</b>	<b>RFP Part 1 Cross Reference</b>	<b>Page Reference</b>
<b>Attachments to the Letter of Submittal</b>	NA	Section 4.2	
Affiliated and/ or Subsidiary Companies	Attachment 4.2.1	Section 4.2.1	6
Certification Regarding Debarment Forms	Attachment 4.2.2(a) Attachment 4.2.2(b)	Section 4.2.2	7-12
Offeror's VDOT prequalification information	NA	Section 4.2.3	13
Evidence of obtaining bonding	NA	Section 4.2.4	14-15
Full size copies of DPOR licenses and SCC registrations	NA	Section 4.2.5	16-27
SCC registration information - businesses	Attachment 4.2.5	Section 4.2.5.1	28
DPOR registration information - businesses	Attachment 4.2.5	Section 4.2.5.2	28
Lead Contractor Work History Form	Attachment 4.2.6(a)	Section 4.2.6	29-31
Lead Designer Work History Form	Attachment 4.2.6(b)	Section 4.2.6	32-34
Conceptual Roadway Plans	NA	Section 4.2.7	35-41
Conceptual Bridge Plans	NA	Section 4.2.8	42-46

**ATTACHMENT 3.4**

**COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION**

**I-77 over Route 606 Bridge Replacement**

RFP NO. C00117110DB115

PROJECT NO.: 0077-010-834, P101, C501, B644

**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 RFP – November 2, 2022  
*(Date)*
- 2. Cover letter of Addendum #1 - November 16, 2022  
*(Date)*
- 3. Cover letter of Addendum #2 - December 9, 2022  
*(Date)*

  
SIGNATURE

January 18, 2023  
DATE

George Franklin Ellis  
PRINTED NAME

Executive Vice President  
TITLE





January 18, 2023

Virginia Department of Transportation (VDOT)  
Mr. Daniel McBride, PE, Alternative Project Delivery Division  
1401 East Broad Street  
Annex Building, 5th Floor  
Richmond, VA 23219

**Subject: Contract ID No. C00117110DB115 – I-77 over Route 606 Bridge Replacement Design-Build**

Dear Mr. McBride and Members of the Evaluation Committee:

Crowder Construction Company (Crowder), in partnership with DRMP, Inc. (DRMP), have come together to form the Crowder/DRMP Team, a proven team with a successful history of completing design-build (DB) projects throughout the Southeast.

Crowder is a licensed Class A Virginia Contractor, a prequalified VDOT vendor, and has almost 70 years of bridge, pedestrian bridge, and road/bridge repairs construction experience. Our design-build team provides streamlined services, from the initial project conception stage through the final walk through. Our experienced team adds value, reduces cost, and honors the project timeline to deliver a superior product to our valued clients. Crowder will serve as the point of contact for VDOT and manage all team activities.

DRMP is a multi-discipline firm serving clients in the public, private, and industrial sectors and is ranked among Engineering News-Record's "Top 500 Design Firms" in the United States. With 19 offices throughout the Southeast, DRMP will serve as the lead design consultant and will provide project management and design for all engineering related tasks.

Per VDOT's requirements outlined in the RFQ, below please find information on the Crowder/DRMP Team:

**4.1.1 – Offeror Legal Name and Address**

**Crowder Construction Company**  
PO Box 30007, Charlotte, NC 28230  
6409 Brookshire Boulevard, Charlotte, NC 28216

**4.1.2 – Offeror's Intent**

Crowder Construction Company will enter into a contract in accordance with the terms and conditions of the RFP.

**4.1.3 – Price Proposal Intent**

Crowder Construction Company and our partner consulting firms ensure the Proposal shall remain in full force and effect for 120 days from the date of the Price Proposal submitted to VDOT via Bid Express.

**4.1.4 - Point of Contact**

**Chris Boyd, PE, DBIA**  
Preconstruction Services Manager  
Crowder Construction Company  
PO Box 30007, Charlotte, NC 28230  
6409 Brookshire Boulevard, Charlotte, NC 28216  
Phone: 704.332.8184 | Fax: 704.372.9946  
Email: [cboyd@crowderusa.com](mailto:cboyd@crowderusa.com)

#### **4.1.5 - Principal Officer for Offeror**

**George Franklin Ellis, PE**

Executive Vice President

Crowder Construction Company

PO Box 30007, Charlotte, NC 28230

6409 Brookshire Boulevard, Charlotte, NC 28216

Phone: 704.332.8184 | Fax: 704.372.9946

Email: gellis@crowderusa.com

#### **4.1.6 – Offerer Structure**

Crowder Construction Company is a corporation and will assume financial liability for the project.

#### **4.1.7 – Team Member Legal Names**

Lead Contractor – Crowder Construction Company

Lead Designer/Quality Assurance Firm – DRMP, Inc.

#### **4.1.8 – VDOT Prequalification Number/Status**

Crowder Construction Company is a Prequalified Bidder No. C046 with an active status.

#### **4.1.9 – DBE Participation Commitment**

Crowder Construction Company will commit to achieve the 6% DBE goal for the entire value of the contract.

#### **4.1.10 – Final Completion Date**

The early completion date will be September 7, 2025 and final completion will be November 6, 2025.

We look forward to serving as VDOT’s partner for this important project. We are committed to providing our expertise, personnel, and resources to ensure this project is a success.

Sincerely,



**George Franklin Ellis, PE**

Crowder Construction Company





## 4.2 ATTACHMENTS TO THE LETTER OF SUBMITTAL

### Attachment 4.2.1 – Affiliated/Subsidiary Companies List

**ATTACHMENT 4.2.1**

**State Project No. 0077-010-834, P101, C501, B644**

**Affiliated and Subsidiary Companies of the Offeror**

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

<input type="checkbox"/> <b>The Offeror does not have any affiliated or subsidiary companies.</b>		
<input checked="" type="checkbox"/> <b>Affiliated and/ or subsidiary companies of the Offeror are listed below.</b>		
Relationship with Offeror (Affiliate or Subsidiary)	Full Legal Name	Address
Affiliate	Crowder Heavy Civil LLC	PO Box 30007, Charlotte, NC 28230-0007
Affiliate	Crowder Civil & Environmental LLC	PO Box 30007, Charlotte, NC 28230-0007
Affiliate	Crowder Industrial Construction LLC	PO Box 30007, Charlotte, NC 28230-0007
Affiliate	Crowder Group Services LLC	PO Box 30007, Charlotte, NC 28230-0007
Affiliate	Crowder Energy Services LLC	PO Box 30007, Charlotte, NC 28230-0007



**ATTACHMENT 4.2.2(A)**  
**Certification Regarding**  
**Debarment (Primary**  
**Covered Transactions)**

**Attachment 4.2.2(a) – Certification Regarding Debarment (Primary Covered Transactions)**  
**Crowder Construction Company**

**ATTACHMENT 4.2.2(a)**

**CERTIFICATION REGARDING DEBARMENT**  
**PRIMARY COVERED TRANSACTIONS**

**Project No.: 0077-010-834, P101, C501, B644**

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 - George Franklin Ellis

January 18, 2023  
Date

Executive Vice President  
Title

Crowder Construction Company  
Name of Firm



**Attachment 4.2.2(b) – Certification Regarding Debarment (Lower Tier Covered Transactions)**  
**DRMP, Inc.**

**ATTACHMENT 4.2.2(b)**

**CERTIFICATION REGARDING DEBARMENT**  
**LOWER TIER COVERED TRANSACTIONS**

**Project No.: 0077-010-834, P101, C501, B644**

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.

		12/14/2022	Vice President
Signature		Date	Title

DRMP, Inc.  
Name of Firm



ATTACHMENT 4.2.2(b)

CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS

**Project No.: 0077-010-834, P101, C501, B644**

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.

*Wade L. Wang*

1/4/23

Principal

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Title

EPR, PC

\_\_\_\_\_  
Name of Firm

ATTACHMENT 4.2.2(b)

CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS

**Project No.: 0077-010-834, P101, C501, B644**

- 1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
- 2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

The undersigned makes the foregoing statements to be filed with the proposal submitted on behalf of the Offeror for contracts to be let by the Commonwealth Transportation Board.

 _____ Signature	<u>12/15/2022</u> _____ Date	<u>Regional Vice President</u> _____ Title
----------------------------------------------------------------------------------------------------------	------------------------------------	--------------------------------------------------

Froehling & Robertson, Inc.  
\_\_\_\_\_  
Name of Firm

**ATTACHMENT 4.2.2(b)**

**CERTIFICATION REGARDING DEBARMENT**  
**LOWER TIER COVERED TRANSACTIONS**

**Project No.: 0077-010-834, P101, C501, B644**

- 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.

Jeffrey Bragdon	I attest to the accuracy and integrity of this document 2022.12.14 09:49:51-05'00'	12/16/2022	Director of Virginia
_____ Signature		_____ Date	_____ Title

Infrastructure Consulting Services, Inc. dba Ramey Kemp Associates  
\_\_\_\_\_  
Name of Firm

**ATTACHMENT 4.2.2(b)**

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

**Project No.: 0077-010-834, P101, C501, B644**

1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.

2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

The undersigned makes the foregoing statements to be filed with the proposal submitted on behalf of the Offeror for contracts to be let by the Commonwealth Transportation Board.

  
\_\_\_\_\_  
Signature

12/14/2022  
\_\_\_\_\_  
Date

Vice President  
\_\_\_\_\_  
Title

Rinker Design Associates, P.C.  
\_\_\_\_\_  
Name of Firm



### 4.2.3 – VDOT Prequalification



Virginia Department of Transportation

Date Printed: 12/14/2022

**Department's List of Prequalified Vendors  
Includes All Qualified Levels As Of 12/14/2022**

12:00 AM  
Page 106

- C -

**Vendor ID:** C1334  
**Vendor Name:** CROSSROADS BRIDGE INC  
**Prequal Level:** Prequalified  
**Prequal Exp:** 03/31/2023

-- PREQ Address --

P.O.Box 277  
RURAL RETREAT, VA 24368  
Phone: (276)686-2288  
Fax: (276)686-4669

**Work Classes (Listed But Not Limited To)**

055 - BRIDGE REPAIRS

**Bus. Contact:** HOOFNAGLE, GREGORY COLE  
**Email:** GREG.CRBINC@YMAIL.COM

-- DBE Information --

**DBE Type:** N/A  
**DBE Contact:** N/A

**Vendor ID:** C046  
**Vendor Name:** CROWDER CONSTRUCTION COMPANY  
**Prequal Level:** Prequalified  
**Prequal Exp:** 03/31/2023

-- PREQ Address --

PO BOX 30007  
CHARLOTTE, NC 28230-0007  
Phone: (704)332-8184  
Fax: (704)372-9946

**Work Classes (Listed But Not Limited To)**

002 - GRADING  
003 - MAJOR STRUCTURES  
007 - MINOR STRUCTURES  
045 - UNDERGROUND UTILITIES  
055 - BRIDGE REPAIRS

**Bus. Contact:** ELLIS, GEORGE FRANKLIN  
**Email:** GELLIS@CROWDERUSA.COM

-- DBE Information --

**DBE Type:** N/A  
**DBE Contact:** N/A





## 4.2.4 – Surety Letter



USI Insurance Services  
6100 Fairview Drive  
Suite 1400  
Charlotte, NC 28210  
www.usi.com  
Tel: 704.543.0258

December 16, 2022

Daniel McBride, PE  
Alternative Project Delivery Division  
Virginia Dept. of Transportation  
1401 East Broad Street  
Annex Building, 5<sup>th</sup> Floor  
Richmond, VA 23219

RE: Our Client: Crowder Construction Company  
Project: VDOT I-77 over Route 606 Design Build Bridge Replacement  
Bland County, Virginia, Contract ID No. C00117110DB115 Federal No. NHFP-077-2(341)

Dear Mr. McBride:

Liberty Mutual Insurance Company has met the bonding needs of Crowder Construction Company since 1996; they have always performed exceptionally. Crowder has a single bonding capacity of \$300,000,000 and their aggregate bonding capacity is \$800,000,000. They have an unutilized bonding capacity of \$300,000,000.

Based on Crowder Construction Company's prior experience and based on present circumstances and bonding capacity, Liberty Mutual Insurance Company will be willing to provide bid, performance and payment bonds on requested projects Crowder Construction Company undertake.

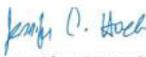
Subject to the normal underwriting considerations, including, but not limited to current financial information, final contract terms, conditions and construction financing, we would be most willing to work with them on a 100% Performance and Payment Bond requirement, in the event that they are awarded a contract and enter into a contract which is satisfactory to all parties. We assume no liability to third parties or to you if for any reason we do not execute said bonds.

Liberty Mutual Insurance Company is on the U.S. Department of Treasury's Listing of Approved Sureties (Department Circular 570) Holding Certificates of Authority as Acceptable Sureties on Federal Bonds and as Acceptable Reinsuring Companies, carries an A.M. Best Rating of A (Excellent) with a Financial Size Category of XV (\$2 Billion or greater), and is licensed to act as surety in all fifty states.

If I may provide any additional information, please don't hesitate to let me know.

Sincerely,

Liberty Mutual Insurance Company

  
Jennifer C. Hoehn  
Attorney-In-Fact

Digitally signed by Jennifer C. Hoehn  
DN: cn=Jennifer C. Hoehn, o=Liberty Mutual Insurance Company  
Reason: I am the author of this document  
Date: 2022.12.16 16:53:09 -0500



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Property & Casualty • Employee Benefits • Personal Risk • Retirement Consulting  
The USI ONE Advantage®



Contract ID No. C00117110DB115



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

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

Certificate No: 8208978-969489

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That The Ohio Casualty Insurance Company is a corporation duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, Angela D. Ramsey; Elizabeth D. Drum; G. Timothy Wilkerson; J. David Pollack, Jr.; Jennifer C. Hoehn; Laura W. Dennison; William J. Quinn

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

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 7th day of November, 2022.



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

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

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

State of PENNSYLVANIA
County of MONTGOMERY ss

On this 7th day of November, 2022 before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of Liberty Mutual Insurance Company, The Ohio Casualty Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Plymouth Meeting, Pennsylvania, on the day and year first above written.



Commonwealth of Pennsylvania - Notary Seal
Teresa Pastella, Notary Public
Montgomery County
My commission expires March 28, 2025
Commission number 1128044
Member, Pennsylvania Association of Notaries

By: Teresa Pastella
Teresa Pastella, Notary Public

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

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

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

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

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

I, Renee C. Llewellyn, the undersigned, Assistant Secretary, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 16th day of December 2022



By: Renee C. Llewellyn
Renee C. Llewellyn, Assistant Secretary

LMS-12873 LMIC OCIC WAIC Multi Co 02/21

For bond and/or Power of Attorney (POA) verification inquiries, please call 610-832-8240 or email HOSUR@libertymutual.com.





# Commonwealth of Virginia



## State Corporation Commission

### CERTIFICATE OF GOOD STANDING

I Certify the Following from the Records of the Commission:

That CROWDER CONSTRUCTION COMPANY, a corporation incorporated under the laws of North Carolina, is authorized to transact business in the Commonwealth of Virginia

That the corporation obtained a certificate of authority to transact business in Virginia from the Commission on July 21, 1959; and

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

Nothing more is hereby certified.



Signed and Sealed at Richmond on this Date:

March 1, 2022

Handwritten signature of Bernard J. Logan in cursive.

Bernard J. Logan, Clerk of the Commission

CERTIFICATE NUMBER : 2022030116984401

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation  
9960 Mayland Drive, Suite 400, Richmond, VA 23233  
Telephone: (804) 367-8500

EXPIRES ON  
11-30-2023

NUMBER  
2701009801

BOARD FOR CONTRACTORS  
CLASS A CONTRACTOR  
\*CLASSIFICATIONS\* CBC ELE H/H PLB RBC



CROWDER CONSTRUCTION COMPANY  
PO BOX 30007  
CHARLOTTE, NC 28230



*Mary Broz-Vaughan*  
Mary Broz-Vaughan, Director

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)

(DETACH HERE)

**DPOR** COMMONWEALTH of VIRGINIA  
Department of Professional and Occupational Regulation

CLASS A BOARD FOR CONTRACTORS  
CONTRACTOR

\*CLASSIFICATIONS\* CBC ELE H/H PLB RBC  
NUMBER: 2701009801 EXPIRES: 11-30-2023

CROWDER CONSTRUCTION COMPANY  
PO BOX 30007  
CHARLOTTE, NC 28230



(FOLD)

Status can be verified at <http://www.dpor.virginia.gov>

DPOR-PC (02/2017)



# Commonwealth of Virginia



## State Corporation Commission

### CERTIFICATE OF GOOD STANDING

I Certify the Following from the Records of the Commission:

That DRMP, INC., a corporation incorporated under the laws of FLORIDA, is authorized to transact business in the Commonwealth of Virginia;

That the corporation obtained a certificate of authority to transact business in Virginia from the Commission on May 19, 2014; and

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

Nothing more is hereby certified.



Signed and Sealed at Richmond on this Date:

May 18, 2021

A handwritten signature in black ink, appearing to read "Bernard J. Logan".

Bernard J. Logan, Clerk of the Commission

CERTIFICATE NUMBER : 2021051815885983

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation  
9960 Mayland Drive, Suite 400, Richmond, VA 23233  
Telephone: (804) 367-8500

EXPIRES ON  
12-31-2023

NUMBER  
0407007139

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

PROFESSIONS: ENG



DRMP INC  
941 LAKE BALDWIN LN  
ORLANDO, FL 32814



*Mary Brock-Vaughan*  
Mary Brock-Vaughan, Director

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)

(DETACH HERE)

**DPOR** COMMONWEALTH of VIRGINIA  
Department of Professional and Occupational Regulation

BOARD FOR APPLSCIDLA  
BUSINESS ENTITY REGISTRATION  
NUMBER: 0407007139 EXPIRES: 12-31-2023  
PROFESSIONS: ENG  
DRMP INC  
941 LAKE BALDWIN LN  
ORLANDO, FL 32814



(FOLD)

Status can be verified at <http://www.dpor.virginia.gov>

DPOR-PC (02/2017)



# Commonwealth of Virginia



## State Corporation Commission

### CERTIFICATE OF GOOD STANDING

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

That EPR, P.C. is duly incorporated under the law of the Commonwealth of Virginia;

That the date of its incorporation is March 8, 2011;

That the period of its duration is perpetual; and

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

Nothing more is hereby certified.



*Signed and Sealed at Richmond on this Date:  
September 24, 2012*

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

CISECOM  
Document Control Number: 1209245942

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON  
12-31-2023

NUMBER  
0405001919

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

PROFESSIONS: ENG



EPR, P.C.  
3205 WATTS STATION DR  
CHARLOTTESVILLE, VA 22911



*Mary Broz-Vadgman*  
Mary Broz-Vadgman, Director

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)



# Commonwealth of Virginia



## State Corporation Commission

### CERTIFICATE OF GOOD STANDING

I Certify the Following from the Records of the Commission:

That FROEHLING & ROBERTSON, INCORPORATED is duly incorporated under the law of the Commonwealth of Virginia;

That the corporation was incorporated on October 11, 1924;

That the corporation's period of duration is perpetual; and

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

Nothing more is hereby certified.



Signed and Sealed at Richmond on this Date:

March 18, 2022

A handwritten signature in cursive script, reading "Bernard J. Logan".

Bernard J. Logan, Clerk of the Commission

CERTIFICATE NUMBER : 2022031817062490

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON  
12-31-2023

NUMBER  
0407000098

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

PROFESSIONS: ENG



FROEHLING & ROBERTSON INC  
3015 DUMBARTON RD  
RICHMOND, VA 23228



*Mary Broz-Vaughan*  
Mary Broz-Vaughan, Director

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)

(DETACH HERE)

DPOR COMMONWEALTH of VIRGINIA  
Department of Professional and Occupational Regulation

BOARD FOR APESCIDLA  
BUSINESS ENTITY REGISTRATION  
NUMBER: 0407000098 EXPIRES: 12-31-2023  
PROFESSIONS: ENG  
FROEHLING & ROBERTSON INC  
3015 DUMBARTON RD  
RICHMOND, VA 23228



(FOLD)

Status can be verified at <http://www.dpor.virginia.gov>

DPOR-PC (02/2017)



State Corporation Commission  
Clerk's Information System

Entity Information

Entity Information

Entity Name: Infrastructure Consulting Services, Inc.	Entity ID: 11408661
Entity Type: Stock Corporation	Entity Status: <b>Active</b>
Series LLC: N/A	Reason for Status: Active and In Good Standing
Formation Date: 11/18/1968	Status Date: 07/07/2022
VA Qualification Date: 07/07/2022	Period of Duration: Perpetual
Industry Code: 0 - General	Annual Report Due Date: N/A
Jurisdiction: NC	Charter Fee: \$50.00
Registration Fee Due Date: Not Required	

Registered Agent Information

RA Type: Entity  
 RA Qualification: BUSINESS ENTITY THAT IS AUTHORIZED TO TRANSACT BUSINESS IN VIRGINIA  
 Name: CORPORATION SERVICE COMPANY  
 Locality: RICHMOND CITY  
 Registered Office Address: 100 Shockoe Slip Fl 2, Richmond, VA, 23219 - -

Principal Office Address

Address: 5808 Faringdon Pl Ste 100, Raleigh, NC, 27609 - 4480, USA

Principal Information

Title	Director	Name	Address
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Chief Executive Officer	Yes	Montell W Irvin	5808 Faringdon Pl Ste 100, Raleigh, NC, 27609 - 4480, USA
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COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON  
02-29-2024

NUMBER  
0411001813

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

PROFESSIONS: ENG



INFRASTRUCTURE CONSULTING SERVICES INC  
RAMEY KEMP ASSOCIATES  
4343 COX RD  
GLEN ALLEN, VA 23060



*Demetria J. Mills*  
Demetria J. Mills, Director

Status can be verified at <http://www.dpor.virginia.gov>



State Corporation Commission  
Clerk's Information System

Entity Information

Entity Information

Entity Name: Rinker Design Associates, P.C.

Entity ID: 02270627

Entity Type: Stock Corporation

Entity Status: **Active**

Formation Date: 02/24/1982

Reason for Status: Active and In Good Standing

VA Qualification Date: 02/24/1982

Status Date: 04/22/1991

Industry Code: 70 - Other DULY LICENSED PROFESSIONAL ENTITY not listed below  
as SPECIFIED in Section 13.1-543 of the Code of Virginia

Period of Duration: Perpetual

Jurisdiction: VA

Annual Report Due Date: N/A

Registration Fee Due Date: Not Required

Charter Fee: \$0.00

Registered Agent Information

RA Type: Individual

Locality: FAIRFAX COUNTY

RA Qualification: Member of the Virginia State Bar

Name: Thomas F. Quinn

Registered Office Address: 1775 Wiehle Ave Ste 400, Reston, VA, 20190 - 5159, USA

Principal Office Address

Address: 11100 Endeavor Ct Ste 200, Manassas, VA, 20109 - 4027, USA

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation  
9960 Mayland Drive, Suite 400, Richmond, VA 23233  
Telephone: (804) 367-8500

EXPIRES ON  
12-31-2023

NUMBER  
0405000502

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

PROFESSIONS: ENG, LS



RINKER DESIGN ASSOCIATES PC  
11100 ENDEAVOR CT STE 200  
MANASSAS, VA 20109



Status can be verified at <http://www.dpor.virginia.gov>

Mary Brez-Vaughan, Director

Attachment 4.2.5 – License and Registration Information

**ATTACHMENT 4.2.5**

**State Project No.: 0077-010-834, P101, C501, B644**

**SCC and DPOR Information**

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

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
Crowder Construction Company	F0142648	Stock Corporation	Active	6425 Brookshire Blvd, Charlotte NC 28216	Contractor	2701009801	11-30-2023
DRMP, Inc.	F1963147	Stock Corporation	Active	4333 Cox Road, Glen Allen, VA 23060	Professional Engineering	0407007139	12-31-2023
EPR, P.C.	07344856	Stock Corporation	Active	902 E. Jefferson St, Unit 101, Charlottesville, VA 22902	Professional Engineering	0405001919	12-31-2023
Froehling & Robertson, Inc.	00272112	Stock Corporation	Active	3015 Dumbarton Rd, Henrico, VA 23228	Professional Engineering	0407000098	12-31-2023
Infrastructure Consulting Services, Inc. d/b/a Ramey Kemp Associates	11408661	Stock Corporation	Active	4343 Cox Rd, Glen Allen, VA 23060	Professional Engineering	0411001813	02-29-2024
Rinker Design Associates, P.C.	02270627	Stock Corporation	Active	11100 Endeavor Ct, Ste 200, Manassas, VA 20109	Professional Engineering, Land Surveying	0405000502	12-31-2023





**ATTACHMENT 4.2.6(a)**

**LEAD CONTRACTOR - WORK HISTORY FORM**

**(LIMIT 1 PAGE PER PROJECT)**

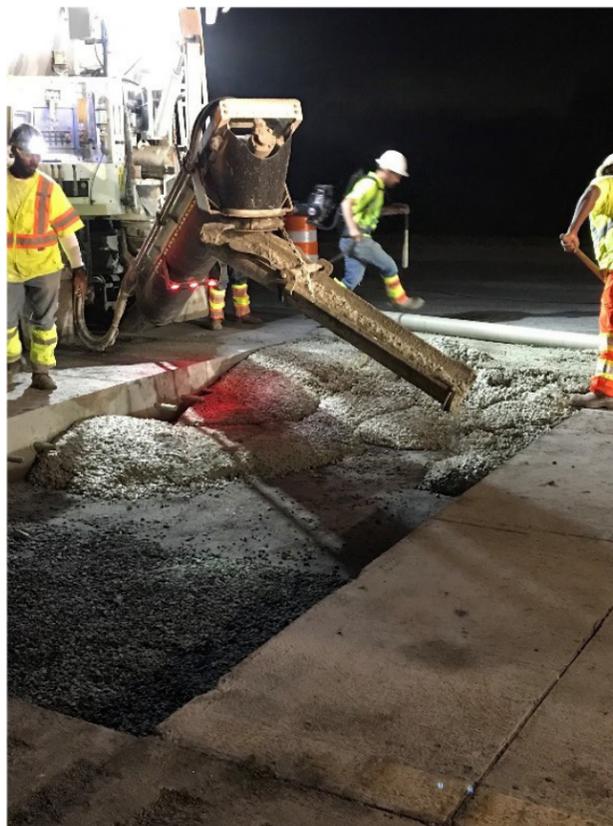
a. Project Name & Location	b. Name of the prime design consulting firm responsible for the overall project design.	c. Contact information of the Client or Owner and their Project Manager who can verify Firm's responsibilities.	d. Contract Completion Date (Original)	e. Contract Completion Date (Actual or Estimated)	f. Contract Value (in thousands)		g. Dollar Value of Work Performed by the Firm identified as the Lead Contractor for this procurement (in thousands)
					Original Contract Value	Final or Estimated Contract Value	
Name: <b>I-85 Concrete Repairs</b>  Location: <b>Mecklenburg County, NC</b>	Name: <b>Volkert, Inc.</b>	Name of Client/Owner: <b>North Carolina Department of Transportation</b> Phone: <b>980.523.0080</b> Project Manager: <b>Kevin Bridges, RCE</b> Phone: <b>980.523.0080</b> Email: <b>kabridges@ncdot.gov</b>	<b>09/2019</b>	<b>05/2021</b>	<b>\$10,609</b>	<b>\$20,700</b>	<b>\$9,585</b>

h. Narrative describing the Work Performed by the Firm identified as the Lead Contractor for this procurement. If the Offeror chooses to submit work completed by an affiliated or subsidiary company of the Lead Contractor, identify the full legal name of the affiliate or subsidiary and the role they will have on this Project, so the relevancy of that work can be considered accordingly. The Work History Form shall include only one singular project. Projects with multiple phases, segments, elements, and/or contracts shall not be considered a single project. If a project listed includes multiple phases, segments, elements, and/or contracts, the Offeror's Proposal may be rendered non-responsive. In any case, only the first phase, segment, element, and/or contract listed will be evaluated.

This project included slab leveling, partial and full depth patching, roadway joint sealing, and diamond grinding for smoothness of the concrete roadway. It also included bridge joint replacements, partial and full depth deck repairs, and polymer overlay. The project covered 16 miles of four-lane interstate with ramps equal to 81 lane miles of interstate through Charlotte, North Carolina. This section of I-85 has an average daily traffic count in excess of 100,000 per day; whereas, prior to COVID-19 it was closer to 150,000 per day. The initial quantities included 580,000 square yards of PCC Diamond Grinding, 700,000 linear feet of PCC Joint Repair sealant, and four structures deck repairs, Polymer Overlay, and joint replacements. **The work was mostly accomplished at night, which required 400 nights of lane closures.** Initial patching was expected to be 205 square feet, but this changed to over 6,000 square feet becoming a major item. The finished roadway has all new pavement marking, which included reflectors and paint.

During the pre-bid, Crowder questioned the low number of lane closures and slurry disposal resulting from diamond grinding operation specified in the bid documents and was instructed to bid as specified. Immediately upon award, we began discussions with local and division NCDOT representatives to resolve the issues with the quantity and scope discrepancies. Crowder was very transparent with NCDOT regarding these overruns. We worked in partnership with NCDOT to mitigate claims and disputes. As an added value, Crowder chose to use a concrete patch material from the specified list for a higher quality and that will perform better long-term.

- RELEVANT PROJECT ELEMENTS:**
- ✓ MOT with average vehicles per day over 100,000
  - ✓ Project meets requirement for vehicular bridge construction carrying an interstate
  - ✓ Demonstrates experience with MOT on an interstate
  - ✓ Completed within contract time
  - ✓ Both day time and night time work
  - ✓ Anchored concrete barrier installation
  - ✓ Remove bridge formwork capabilities
  - ✓ Subconsultant coordination
  - ✓ Met bridge rideability specification after overlays



*Full Depth Concrete Patch (night lane closure)*



*Full depth deck repair (weekend lane closure - hydro concrete demo)*

**ATTACHMENT 4.2.6(a)**

**LEAD CONTRACTOR - WORK HISTORY FORM**

**(LIMIT 1 PAGE PER PROJECT)**

a. Project Name & Location	b. Name of the prime design consulting firm responsible for the overall project design.	c. Contact information of the Client or Owner and their Project Manager who can verify Firm's responsibilities.	d. Contract Completion Date (Original)	e. Contract Completion Date (Actual or Estimated)	f. Contract Value (in thousands)		g. Dollar Value of Work Performed by the Firm identified as the Lead Contractor for this procurement (in thousands)
					Original Contract Value	Final or Estimated Contract Value	
Name: <b>I-77 Emergency Repairs</b>  Location: <b>Chester and Fairfield Counties, SC</b>	Name: N/A	Name of Client/Owner: <b>South Carolina Department of Transportation</b> Phone: <b>803.581.8008</b> Project Manager: <b>Michael Moss, RCE</b> Phone: <b>803.899.2825</b> Email: <b>mossmn@scdot.org</b>	<b>01/2023</b>	<b>12/2022</b>	<b>\$4,395</b>	<b>\$4,530</b>	<b>\$2,363</b>

h. Narrative describing the Work Performed by the Firm identified as the Lead Contractor for this procurement. If the Offeror chooses to submit work completed by an affiliated or subsidiary company of the Lead Contractor, identify the full legal name of the affiliate or subsidiary and the role they will have on this Project, so the relevancy of that work can be considered accordingly. The Work History Form shall include only one singular project. Projects with multiple phases, segments, elements, and/or contracts shall not be considered a single project. If a project listed includes multiple phases, segments, elements, and/or contracts, the Offeror's Proposal may be rendered non-responsive. In any case, only the first phase, segment, element, and/or contract listed will be evaluated.

This project included emergency bridge repairs for 10 bridges on I-77 in South Carolina. Crowder was one of three contractors invited to bid this emergency repair project. The scope of work included concrete deck repairs, cleaning and painting pile, and other pile repairs on the Interstate with average daily traffic of over 45,000 vehicles. **The project required mostly night work, with a significant amount of maintenance of traffic.**

Crowder self-performed full and partial depth concrete repairs on two different bridges in Chester and Fairfield Counties. The repairs included demolition, deck formwork, installation of rebar, and concrete placement. This work was expedited to not inconvenience the traveling public on I-77 longer than necessary. Our subcontractor cleaned and painted 616 total piles. Crowder made 80 each Type I pile repairs that required a stiffening plate and attached the pile to the caps. Crowder made 43 each Type II pile repairs requiring only a stiffening plate and made 84 each Type II pile repairs that required the stiffening plate along with a concrete encasement. The Notice to Proceed was July 21, 2022, with contract completion January 27, 2023. **Crowder completed this project one month early.**

**RELEVANT PROJECT ELEMENTS:**

- ✓ MOT with average vehicles per day over 45,000
- ✓ Project meets requirement for vehicular bridge construction carrying an interstate
- ✓ Demonstrates experience with MOT on an interstate
- ✓ Completed on time
- ✓ Both day time and night time work
- ✓ Bridge formwork capabilities
- ✓ Expedited emergency work with short notice



**ATTACHMENT 4.2.6(a)**

**LEAD CONTRACTOR - WORK HISTORY FORM**

**(LIMIT 1 PAGE PER PROJECT)**

a. Project Name & Location	b. Name of the prime design consulting firm responsible for the overall project design.	c. Contact information of the Client or Owner and their Project Manager who can verify Firm's responsibilities.	d. Contract Completion Date (Original)	e. Contract Completion Date (Actual or Estimated)	f. Contract Value (in thousands)		g. Dollar Value of Work Performed by the Firm identified as the Lead Contractor for this procurement (in thousands)
					Original Contract Value	Final or Estimated Contract Value	
Name: <b>Rainbow and Leaphart Bridges over I-26</b>  Location: <b>West Columbia, SC</b>	Name: <b>ICA Engineering</b>	Name of Client/Owner: <b>South Carolina Department of Transportation</b> Phone: <b>803.206.4812</b> Project Manager: <b>Jeremy Yuhas, PE</b> Phone: <b>803.360.7235</b> Email: <b>YuhasJD@SCDOT.org</b>	<b>10/2018</b>	<b>04/2019</b>	<b>\$17,625</b>	<b>\$19,736</b>	<b>\$8,447</b>

h. Narrative describing the Work Performed by the Firm identified as the Lead Contractor for this procurement. If the Offeror chooses to submit work completed by an affiliated or subsidiary company of the Lead Contractor, identify the full legal name of the affiliate or subsidiary and the role they will have on this Project, so the relevancy of that work can be considered accordingly. The Work History Form shall include only one singular project. Projects with multiple phases, segments, elements, and/or contracts shall not be considered a single project. If a project listed includes multiple phases, segments, elements, and/or contracts, the Offeror's Proposal may be rendered non-responsive. In any case, only the first phase, segment, element, and/or contract listed will be evaluated.

This project included the construction of replacement bridges and approaches on Rainbow Road and Leaphart Road to widen shoulders and raising the low chord to provide additional clearance under the bridge over I-26 in West Columbia. Since both bridges were built in the 1950's and were too low for new interstate standards, both have been hit multiple times.

Partnering with SCDOT, Crowder completed the demolition and new bridge construction, along with 125,000 cubic yards of embankment placed for new approaches and relocated frontage roads. To gain access to the center bents of each structure, temporary widening was constructed on I-26 and traffic shifted to the outside to allow access to the median, where nightly lane closures allowed construction to be performed. The Rainbow Road bridge was completely shut down for the new construction. The original plan was to maintain traffic on the Leaphart Avenue bridge and build the new bridge in phases with a new alignment; however, a significant strike by a tractor trailer truck required emergency demolition. **This was completed during a night shut-down with traffic back on the interstate in less than six hours.** The project included drilled shafts, driven pile, temporary shoring, spread footers, concrete girders, precast box culvert, MSE walls, two bridge structures and approaches, signalization, cross slope corrections, and heavy volume interstate traffic control.

**RELEVANT PROJECT ELEMENTS:**

- ✓ MOT with average vehicles per day over 85,000
- ✓ Project meets requirement for vehicular bridge replacement construction carrying a minor arterial or greater classification of roadway
- ✓ Both day time and night time work
- ✓ Worked in median on interior bents
- ✓ Set girders over the interstate
- ✓ Drilled shafts and H-pile installation
- ✓ Bridge formwork capabilities
- ✓ Demo bridges over the interstate
- ✓ Demo one bridge in one night, detoured traffic off of I-26 for six hours



**ATTACHMENT 4.2.6(B)**  
**Lead Designer Work**  
**History Form**

**ATTACHMENT 4.2.6(b)**

**LEAD DESIGNER - WORK HISTORY FORM**

**(LIMIT 1 PAGE PER PROJECT)**

a. Project Name & Location	b. Name of the prime/ general contractor responsible for overall construction of the project.	c. Contact information of the Client and their Project Manager who can verify Firm's responsibilities.	d. Construction Contract Start Date	e. Construction Contract Completion Date (Actual or Estimated)	f. Contract Value (in thousands)		g. Design Fee for the Work Performed by the Firm identified as the Lead Designer for this procurement (in thousands)
					Construction Contract Value (Original)	Construction Contract Value (Actual or Estimated)	
Name: <b>Bridge Replacement #26 on NC 106 over Middle Creek</b>  Location: <b>Macon County, NC</b>	Name: <b>Mountain Creek Contractors, Inc.</b>	Name of Client: <b>North Carolina Department of Transportation</b> Phone: <b>919.707.6488</b> Project Manager: <b>Tierre Peterson</b> Phone: <b>919.707.6488</b> Email: <b>trpeterson@ncdot.gov</b>	<b>11/2022</b>	<b>11/2025 (Estimated)</b>	<b>\$5,300</b>	<b>\$5,300 (estimated)</b>	<b>\$524,000</b>

h. Narrative describing the Work Performed by the Firm identified as the Lead Designer for this procurement. Include the office location(s) where the design work was performed and whether the firm was the prime designer or a subconsultant. The Work History Form shall include only one singular project. Projects with multiple phases, segments, elements, and/or contracts shall not be considered a single project. If a project listed includes multiple phases, segments, elements, and/or contracts, the Offeror's Proposal may be rendered non-responsive. In any case, only the first phase, segment, element, and/or contract listed will be evaluated.

This project replaces a narrow structurally deficient bridge with a new, wider bridge that has wider travel lanes and shoulders with increased sight distance, which will improve safety and traffic operations.

The new bridge is 40-feet wide, 107-foot-long, single span with AASHTO Type IV prestressed concrete girders with integral abutments and will accommodate two-12-foot travel lanes with 8-foot shoulders. Due to tight project constraints, staged construction will be required for this site. As the lead designer, DRMP was responsible for the planning, public involvement, and design activities, where our Structures, Roadway, Hydraulics, and Traffic Control Teams **maintained close coordination throughout the project to minimize impacts and cost.**

**RELEVANT PROJECT ELEMENTS:**

- ✓ Vehicular bridge design project carrying a minor arterial or greater classification of roadway
- ✓ Complex MOT
- ✓ Roadway design
- ✓ Hydraulic modeling/design
- ✓ Staged construction

*Photos included showcase the existing bridge prior to construction*



**ATTACHMENT 4.2.6(b)**

**LEAD DESIGNER - WORK HISTORY FORM**

**(LIMIT 1 PAGE PER PROJECT)**

a. Project Name & Location	b. Name of the prime/ general contractor responsible for overall construction of the project.	c. Contact information of the Client and their Project Manager who can verify Firm's responsibilities.	d. Construction Contract Start Date	e. Construction Contract Completion Date (Actual or Estimated)	f. Contract Value (in thousands)		g. Design Fee for the Work Performed by the Firm identified as the Lead Designer for this procurement (in thousands)
					Construction Contract Value (Original)	Construction Contract Value (Actual or Estimated)	
Name: <b>NC 119 Relocation from North of SR 1921 (Mebane Rogers/Stage Coach Road) to South of SR 1918</b>  Location: <b>Alamance County, NC</b>	Name: <b>Thalle Construction Company, Inc.</b>	Name of Client: <b>North Carolina Department of Transportation</b> Phone: <b>919.707.6342</b> Project Manager: <b>Tatia White, PE, PLS</b> Phone: <b>919.707.6342</b> Email: <b>tlwhite@ncdot.gov</b>	<b>08/2018</b>	<b>06/2020</b>	<b>\$8,200</b>	<b>\$8,151</b>	<b>\$429,321</b>

h. Narrative describing the Work Performed by the Firm identified as the Lead Designer for this procurement. Include the office location(s) where the design work was performed and whether the firm was the prime designer or a subconsultant. The Work History Form shall include only one singular project. Projects with multiple phases, segments, elements, and/or contracts shall not be considered a single project. If a project listed includes multiple phases, segments, elements, and/or contracts, the Offeror's Proposal may be rendered non-responsive. In any case, only the first phase, segment, element, and/or contract listed will be evaluated.

The Town of Mebane was experiencing large amounts of growth, which added more traffic volume to the downtown area. Anticipating continued growth by 2025, the current route was not capable of serving the estimated traffic demands and would cause travel delays.

To reduce congestion and improve travel efficiency, NCDOT relocated a portion of NC 119 from I-85/40 to Mrs. White Lane. DRMP provided preliminary and final roadway, hydraulic design, bridge design, and work zone traffic services for Section B, which starts just east of Woodlawn Road. The road continues east before heading northeast and passes through a corner of the historic Cates Farm property, as well as, the critical watershed boundary area of the Graham-Mebane Reservoir. The road ties back into existing NC 119 near Mrs. White Lane.

The new bridge over Mill Creek consisted of a 160-foot-long, single span with 72-inch steel plate girders and integral abutments. Additionally, the new culvert is a single 12-foot by six-foot reinforced box culvert with a 120 degree skew and is 112-foot-10-inches long. The hydraulic analysis included HEC-RAS modeling, as the new bridge spanned a FEMA regulated floodplain. This analysis included updating the FEMA effective model with current survey information and multiple bridge and pier configurations to identify the optimal design. An application for a Condition Letter of Map Revision was approved for this project due to the minimal rise of the proposed bridge. Roadway drainage design included roadway spread analysis, box culvert design, cross pipe design, ditch calculations, and hydraulic modeling. Stormwater Control Measures, such as grass swales and hazardous spill basins, were designed using the latest minimum design criteria developed by North Carolina Department of Environmental Quality.

**RELEVANT PROJECT ELEMENTS:**

- ✓ Vehicular bridge design project carrying a minor arterial or greater classification of roadway
- ✓ Complex MOT
- ✓ Roadway design
- ✓ Hydraulic modeling/design
- ✓ Completed on time and within budget



**ATTACHMENT 4.2.6(b)**

**LEAD DESIGNER - WORK HISTORY FORM**

**(LIMIT 1 PAGE PER PROJECT)**

a. Project Name & Location	b. Name of the prime/ general contractor responsible for overall construction of the project.	c. Contact information of the Client and their Project Manager who can verify Firm's responsibilities.	d. Construction Contract Start Date	e. Construction Contract Completion Date (Actual or Estimated)	f. Contract Value (in thousands)		g. Design Fee for the Work Performed by the Firm identified as the Lead Designer for this procurement (in thousands)
					Construction Contract Value (Original)	Construction Contract Value (Actual or Estimated)	
Name: <b>I-4 at SR 557 Intersection Improvements DB</b>  Location: <b>Polk County, Florida</b>	Name: <b>Skanska USA Civil Southeast, Inc.</b>	Name of Client: <b>Florida Department of Transportation</b> Phone: <b>863.519.2362</b> Project Manager: <b>Jay Wolfe, PE</b> Phone: <b>863.519.4324</b> Email: <b>jay.wolfe@dot.state.fl.us</b>	<b>11/2019</b>	<b>03/2024 (Estimated)</b>	<b>\$70,500</b>	<b>\$70,500</b>	<b>\$5,023</b>

h. Narrative describing the Work Performed by the Firm identified as the Lead Designer for this procurement. Include the office location(s) where the design work was performed and whether the firm was the prime designer or a subconsultant. The Work History Form shall include only one singular project. Projects with multiple phases, segments, elements, and/or contracts shall not be considered a single project. If a project listed includes multiple phases, segments, elements, and/or contracts, the Offeror's Proposal may be rendered non-responsive. In any case, only the first phase, segment, element, and/or contract listed will be evaluated.

This critical project designs and reconstructs the SR 557 interchange at I-4, including a new overpass structure, two new roundabouts, and a wildlife crossing under I-4. DRMP's proposed solution minimizes impacts to the traveling public, environment and utilities, enhances safety during and after construction, and improves phasing to expedite the construction schedule. The project includes the following bridges:

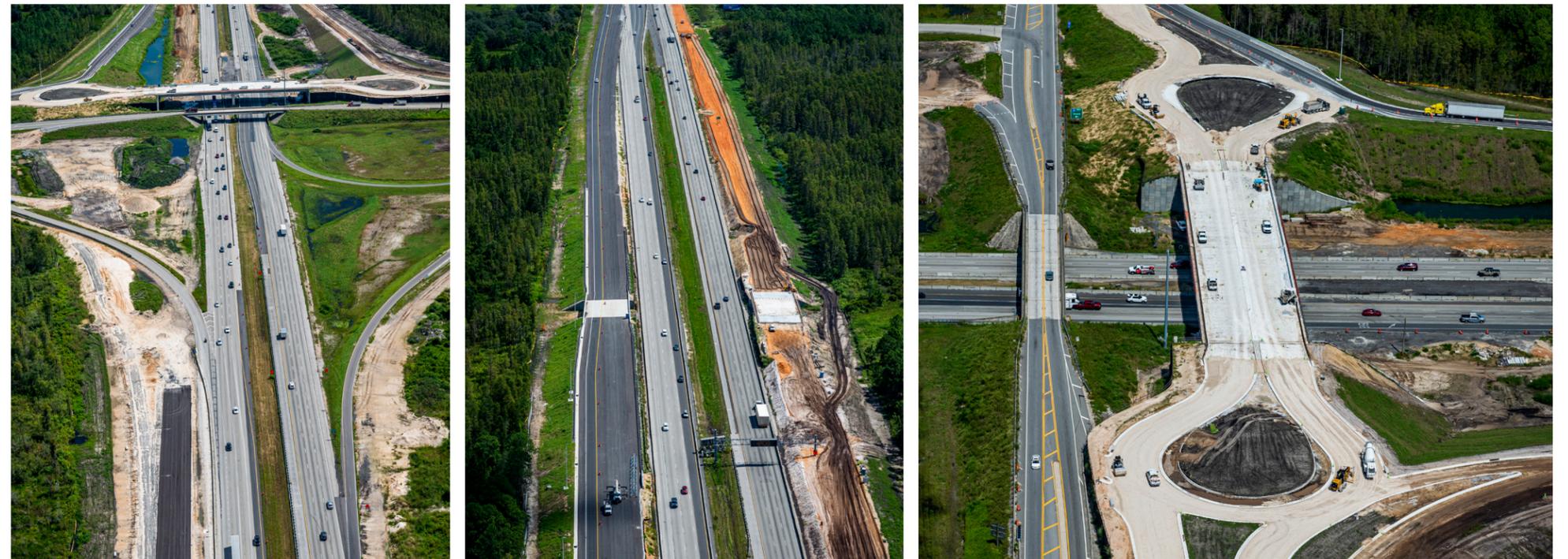
**SR 557 Bridge Replacement over I-4:** The new bridge is being built on a parallel alignment located 157-feet east of the existing bridge. It will be constructed in a single-phase with unrestricted traffic flow. The bridge typical section includes two 11-foot lanes, with a 1-foot-6-inch inside shoulder and 10-foot outside shoulder in both northbound and southbound directions. The travel ways will be separated by a 7-foot median that includes a 4-foot raised traffic separator. The bridge accommodates the I-4 Ultimate multi-modal typical section by providing a minimum horizontal clearance of 18-feet from the face of the pier to the center line of the High-Speed Rail (HSR) and a minimum vertical clearance of 24-feet-3-inches over the HSR. The new bridge length is 353-feet with permanent mechanically stabilized earth (MSE) walls at the bridge ends to retain the end slopes. We are using 84-inch precast concrete Florida-I beams (FIBs) to help reduce the foundation loading, erection duration, and number of beam lines. **Our DB team had several innovative alternative technical concepts including shifting the SR 557 bridge, which expedited the project schedule and saved \$1 million in project costs.**

**I-4 Bridges over Wildlife Crossings:** The typical section for each bridge consists of three 12-foot lanes with 10-foot inside and outside shoulders. The bridges will span 60-feet between the front faces of the end bent caps and provide 8-feet of vertical clearance. Each bridge is composed of a 67-foot single span with concrete pile cap end bents. Our design uses 36-inch FIBs for the superstructure. The overall bridge widths permit future express lane bridges to be constructed as independent structures. This avoids the cost and complication of a future bridge widening. By shifting the new bridges to the east, unsuitable soils were avoided and allowed for the wildlife crossing to be separate from an existing creek.

The project also includes drainage, environmental, permitting, signing and pavement markings, intelligent transportation systems, and lighting services.

**RELEVANT PROJECT ELEMENTS:**

- ✓ Project meets requirement for roadway and bridge design carrying a minor arterial or greater classification of roadway
- ✓ Demonstrates experience with MOT
- ✓ Design-build project
- ✓ Innovative design and construction techniques





FHWA 534 Data IIIII

STATE	FEDERAL AID PROJECT	ROUTE	STATE PROJECT	SHEET NO.
VA.	NHFP-077-2(1) <small>(SEE TABULATION BELOW FOR SECTION NUMBERS)</small>	77	(FO) 0077-010-834	1

THIS PROJECT WAS DEVELOPED UTILIZING THE DEPARTMENT'S ENGINEERING DESIGN PACKAGE (OpenRoads Designer). UPC\_117110



COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED  
STATE HIGHWAY  
CONCEPT PLANS

Fr: 0.364 Miles South of Route 606  
To: 0.208 Miles North of Route 606

FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA	
MAINLINE	
From:	0.357 Miles South of Route 606
To:	0.208 Miles North of Route 606
FUNCTIONAL CLASSIFICATION	Interstate - Rural Mountainous
MIN. DESIGN SPEED	70
ADT (2022)	15,281
ADT (2047)	21,461
DHV	3,213
D (%) (design hour)	
T (%) (design hour)	24
V (MPH)	70
TC STD.	TC-5.11R
GEOMETRIC STD.	Interstate (GS-INT)

PROJECT MANAGER ROBERT C. LEONARD, P.E. (276) 696-3258 (BRISTOL DISTRICT)  
SURVEYED BY, DATE LES BYRNESIDE, L.S. (804) 330-3781 (H&B SURVEYING AND MAPPING, LLC.), 1/10/2022  
DESIGN BY DRMP, INC. (919) 650-1038 (GLEN ALLEN, VIRGINIA)  
SUBSURFACE UTILITY BY, DATE ACCUMARK, 1/12/2022

CONCEPT PLANS  
For Information  
Only  
DATE:

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	-----

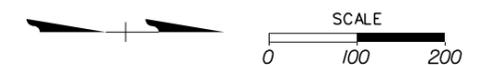
REFERENCE  
P.O.T. I-77 CONSTR. @ STA. 1251+62.00  
CENTER OF BRIDGE OVER RT. 606

Population Bland County, 6,270 (2020 Census)

STATE PROJECT NO.	SECTION	FEDERAL AID PROJECT NO.	TYPE CODE	UPC NO.	EQUALITIES		LENGTH INCLUDING BRIDGE(S)		LENGTH EXCLUDING BRIDGE(S)		BRIDGE PLAN NO.	TYPE PROJECT	DESCRIPTION
					FEET		FEET	MILES	FEET	MILES			
0077-010-834	P101	NHFP-077-2(321)		117110			3021.12	0.572	2894.68	0.548		Prel. Engr.	Fr: 0.364 Miles South of Route 606 To: 0.208 Miles North of Route 606
	B644	NHFP-077-2(321)	X271	117110			126.44	0.024			185-15	Bridge	Bridge carrying I-77 NBL over Rt. 606 (State Str. No. 2023)
	C501	NHFP-077-2(343)	I000	117110			3021.12	0.572	2894.68	0.548		Construction	Fr: 0.364 Miles South of Route 606 To: 0.208 Miles North of Route 606

Project Lengths are based on I-77 Construction Centerline.

All construction is to be performed within the existing right of way.



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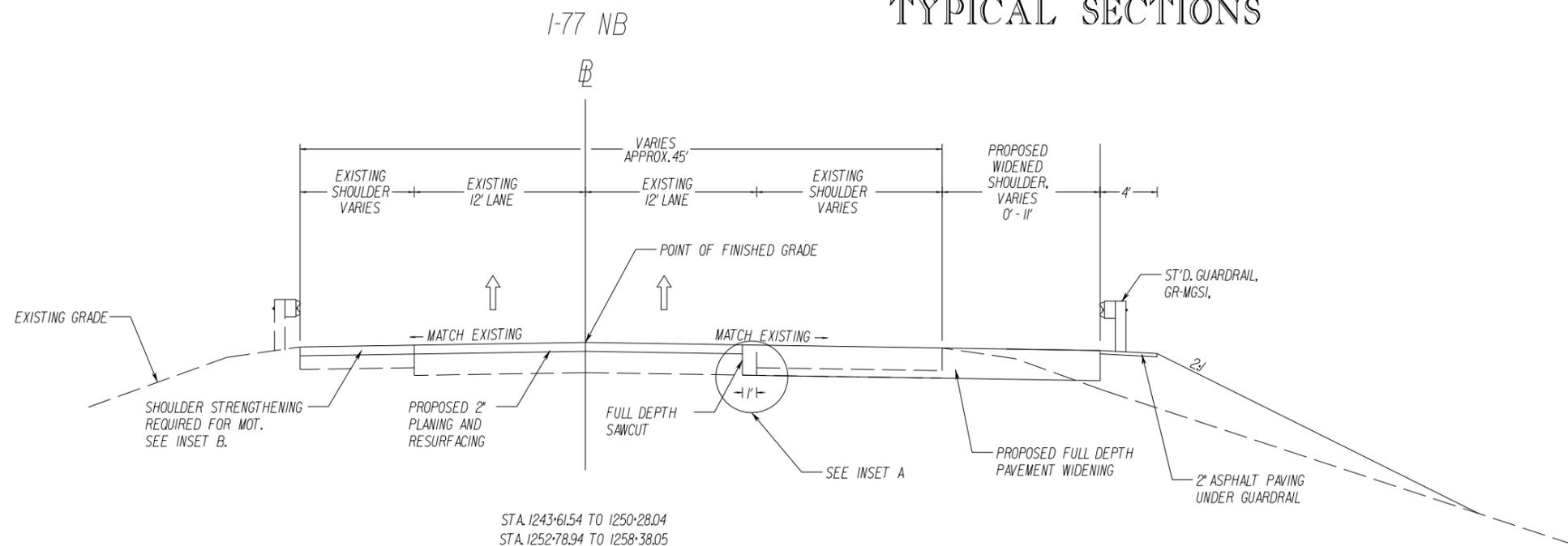
PROJECT NO. 0077-010-834 SHEET NO. 1

PROJECT MANAGER ROBERT C. LEONARD, P.E. (276) 696-3258 (BRISTOL DISTRICT)  
SURVEYED BY, DATE LES BYRNSIDE, L.S. (804) 330-3781 (H&B SURVEYING AND MAPPING, LLC.) 1/10/2022  
DESIGN BY DRMB, INC. (919) 650-1038 (GLEN ALLEN, VIRGINIA)  
SUBSURFACE UTILITY BY, DATE ACCUMARK, 1/12/2022

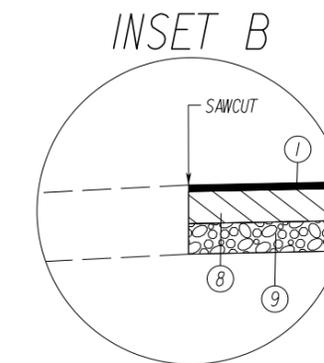
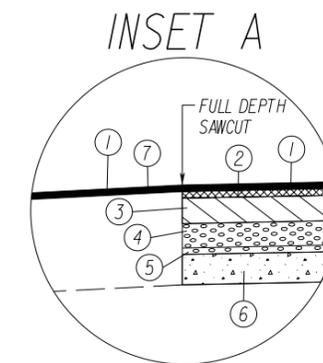
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	77	0077-010-834.C501	2A

# TYPICAL SECTIONS

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

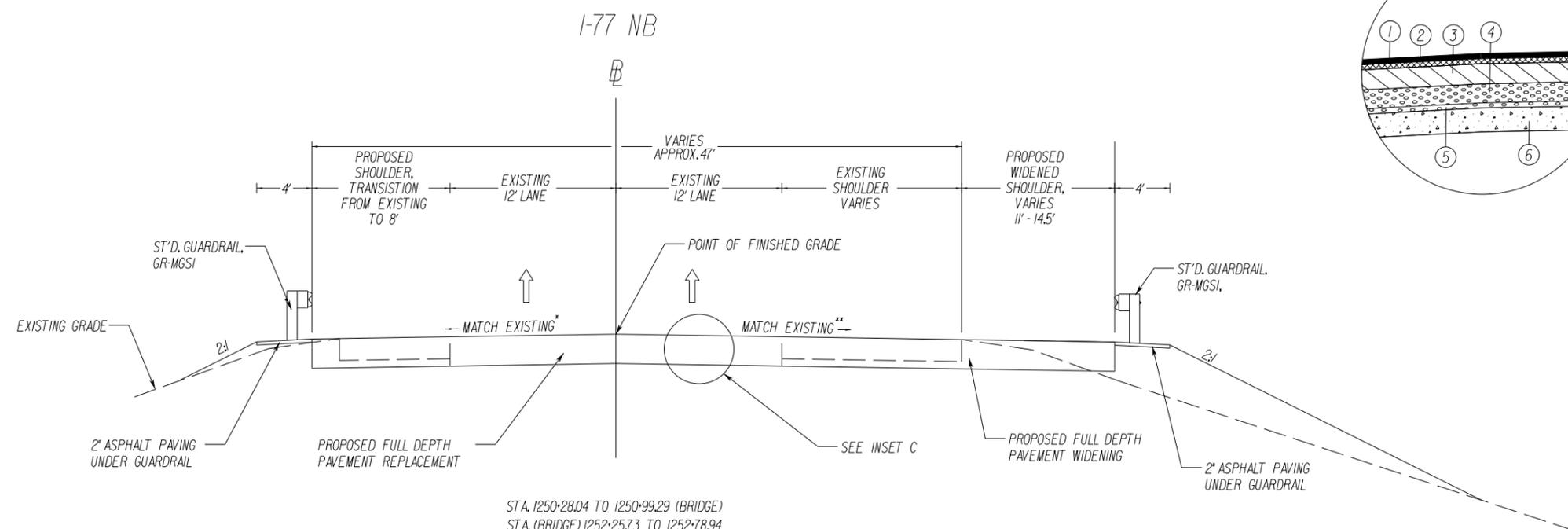
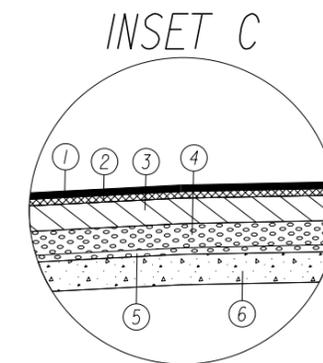


STA. 1243+61.54 TO 1250+28.04  
STA. 1252+78.94 TO 1258+38.05



**LEGEND**

- ① SURFACE - 2" ASPHALT CONCRETE SURFACE COURSE, TYPE SM-12.5E ESTIMATED AT 220 LB/YD'
- ② 2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE IM-19.0E ESTIMATED AT 230 LB/YD'
- ③ BASE - 10" ASPHALT CONCRETE, TYPE BM-25.0A
- ④ SUBBASE - 8" AGGREGATE BASE MATERIAL, TYPE 1, SIZE 21B, EXTENDED TO THE FACE OF THE STANDARD UD-4 EDGEDRAIN OR DAYLIGHT
- ⑤ SUBBASE - 2" AGGREGATE BASE MATERIAL, TYPE 1, SIZE 21B - LEVELING COURSE, EXTENDED TO THE FACE OF THE STANDARD UD-4 EDGEDRAIN OR DAYLIGHT
- ⑥ SUBBASE - 12" OPEN GRADED AGGREGATE MATERIAL, TYPE 1, EXTENDED TO THE FACE OF THE STANDARD UD-4 EDGEDRAIN OR DAYLIGHT
- ⑦ 2" FLEXIBLE PAVEMENT PLANING
- ⑧ BASE - 9" ASPHALT CONCRETE, TYPE BM-25.0A (PLACED IN 4-1/2" LIFTS)
- ⑨ EXISTING AGGREGATE BASE BELOW 11"



STA. 1250+28.04 TO 1250+99.29 (BRIDGE)  
STA. (BRIDGE) 1252+25.73 TO 1252+78.94

\* CROSS SLOPE TRANSITION  
STA. 1250+28.04 TO 1250+99.29; e = (-) 0.064 TO (-) 0.05  
STA. 1252+25.73 TO 1252+78.94; e = (-) 0.05 TO (-) 0.059

\*\* CROSS SLOPE TRANSITION  
STA. 1250+28.04 TO 1250+99.29; e = (+) 0.029 TO (+) 0.05  
STA. 1252+25.73 TO 1252+78.94; e = (+) 0.05 TO (+) 0.037

**NOTES:**

1. PAVEMENT WIDENING SHALL BE IN ACCORDANCE WITH VDOT STANDARD WP-2 OR PROVIDED PAVEMENT SECTION, WHICHEVER IS GREATER.
2. IF UD-4 IS ENCOUNTERED DURING FULL DEPTH SAWCUT OF EXISTING PAVEMENT, IT SHALL BE RELOCATED BELOW THE WIDENING FULL DEPTH PAVEMENT.
3. SURFACE COURSE FOR PLANING AND RESURFACING OF THE EXISTING PAVEMENT SHALL BE PLACED CONCURRENTLY.
4. EXISTING GUARDRAIL BEYOND LIMITS OF FIXED OBJECT ATTACHMENT TO REMAIN.
5. EXISTING PAVEMENT THICKNESS SHOWN FOR REFERENCE ONLY.

**CONCEPT PLANS  
For Information  
Only**  
DATE:

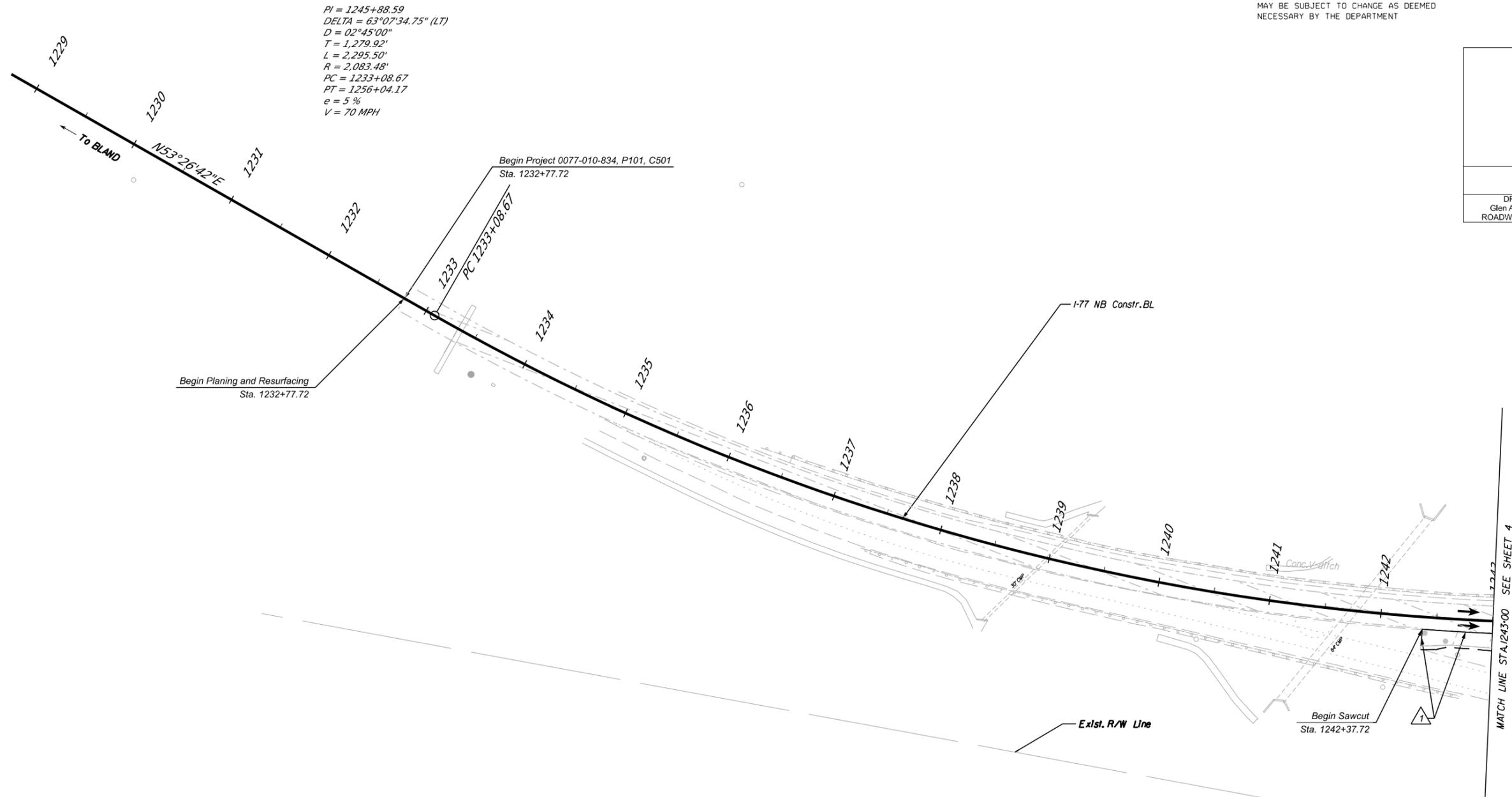
NOT TO SCALE	PROJECT 0077-010-834	SHEET NO. 2A
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PROJECT MANAGER ROBERT C. LEONARD, P.E. (276) 696-3258 (BRISTOL DISTRICT)  
SURVEYED BY, DATE LES BYRNESIDE, L.S. (804) 330-3781 (H&B SURVEYING AND MAPPING, LLC.) 1/10/2022  
DESIGN BY DRMP, INC. (919) 650-1038 (GLEN ALLEN, VIRGINIA) -----  
SUBSURFACE UTILITY BY, DATE ACCUMARK, 1/12/2022 -----

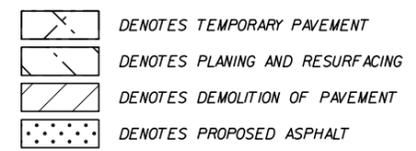
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	77	0077-010-834 C501, P101	3

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

DRMP, Inc.  
Glen Allen, Virginia  
ROADWAY ENGINEER



- 1 Saw Cut Full Depth Req'd.
- 2 St'd. GR-MGS1 Req'd.
- 3 St'd. GR-MGS2 Req'd.
- 4 Tie to existing guardrail
- 5 St'd. GR-FOA-2, Type I Req'd.
- 6 St'd. GR-FOA-2, Type II Req'd.
- 7 St'd. GR-2 Req'd.
- 8 St'd. GR-MGS4 Req'd.
- 9 St'd. GR-9 Req'd.
- 10 St'd. GR-MGS3 Req'd.
- 11 St'd. GR-FOA-5 & CG-3 Req'd.

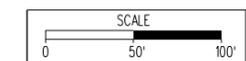


C — Denotes Construction Limits in Cuts  
F — Denotes Construction Limits in Fills

Note: Dot-dot-dashed lines denote Temporary Easements.  
Dot-dashed lines denote Permanent Easements.



CONCEPT PLANS  
For Information  
Only  
DATE:



PROJECT 0077-010-834	SHEET NO. 3
-------------------------	----------------

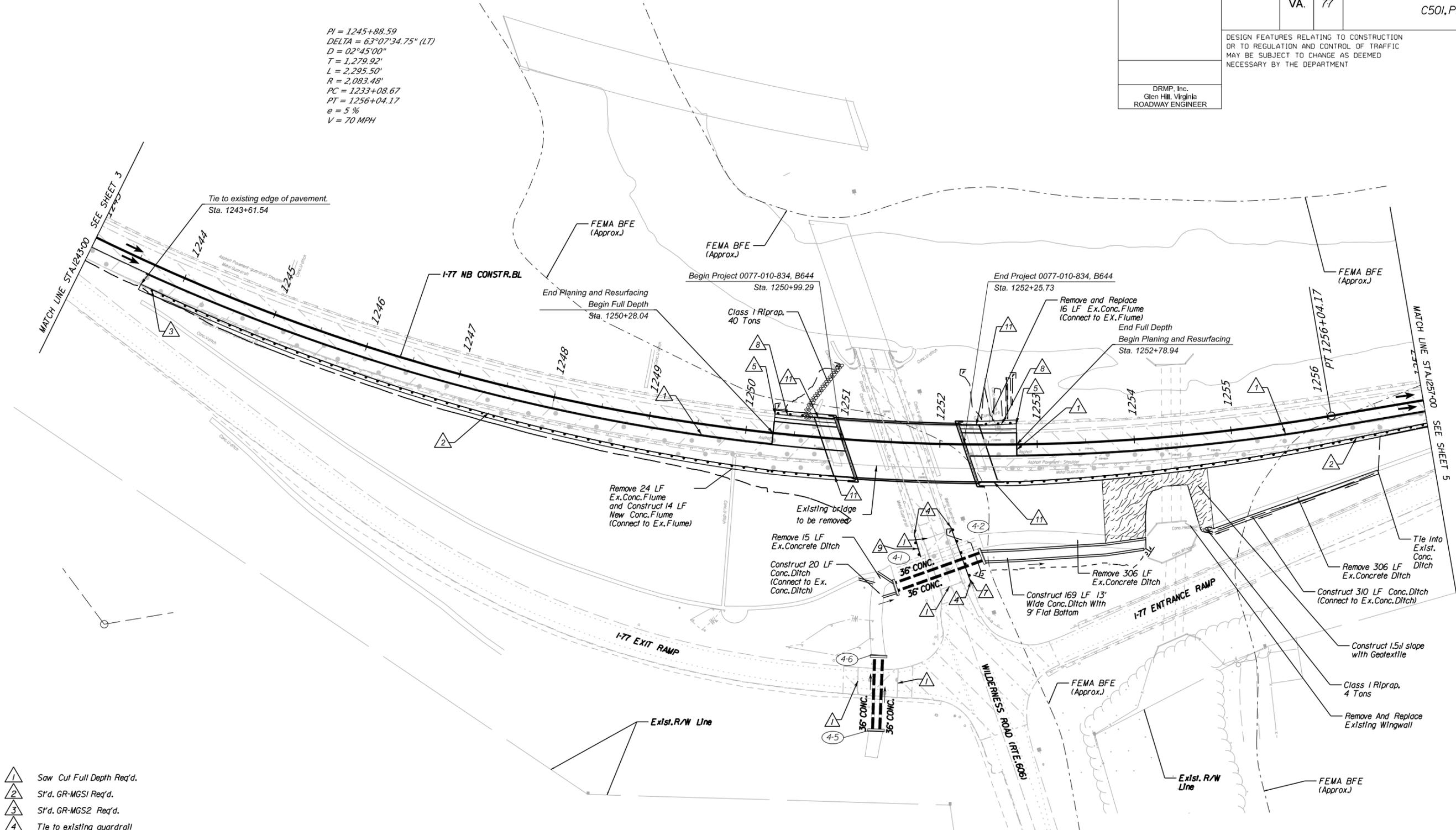
PROJECT MANAGER ROBERT C. LEONARD, P.E. (276) 696-3258 (BRISTOL DISTRICT)  
 SURVEYED BY, DATE L.E.S. BYRNSIDE, L.S. (804) 330-3781 (H&B SURVEYING AND MAPPING, LLC.) 1/10/2022  
 DESIGN BY DRMP, INC. (919) 650-1038 (GLEN ALLEN, VIRGINIA)  
 SUBSURFACE UTILITY BY, DATE ACCUMARK, 1/12/2022

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	77		0077-010-834, B644 C501, P101	4

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

DRMP, Inc.  
Glen Hill, Virginia  
ROADWAY ENGINEER

PI = 1245+88.59  
 DELTA = 63°07'34.75" (LT)  
 D = 02°45'00"  
 T = 1,279.92'  
 L = 2,295.50'  
 R = 2,083.48'  
 PC = 1233+08.67  
 PT = 1256+04.17  
 e = 5 %  
 V = 70 MPH



- 1 Saw Cut Full Depth Req'd.
- 2 S'd. GR-MGS1 Req'd.
- 3 S'd. GR-MGS2 Req'd.
- 4 Tie to existing guardrail
- 5 S'd. GR-FOA-2, Type I Req'd.
- 6 S'd. GR-FOA-2, Type II Req'd.
- 7 S'd. GR-2 Req'd.
- 8 S'd. GR-MGS4 Req'd.
- 9 S'd. GR-9 Req'd.
- 10 S'd. GR-MGS3 Req'd.
- 11 S'd. GR-FOA-5 & CG-3 Req'd.

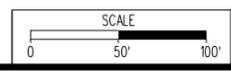
- DENOTES TEMPORARY PAVEMENT
- DENOTES PLANING AND RESURFACING
- DENOTES DEMOLITION OF PAVEMENT
- DENOTES PROPOSED ASPHALT
- DENOTES GEOTEXTILE FABRIC

4-1 4-2 4-5 4-6 PROPOSED HEADWALLS

Denotes Construction Limits in Cuts  
 Denotes Construction Limits in Fills

Note: Dot - dot - dashed lines denote Temporary Easements.  
 Dot - dashed lines denote Permanent Easements.

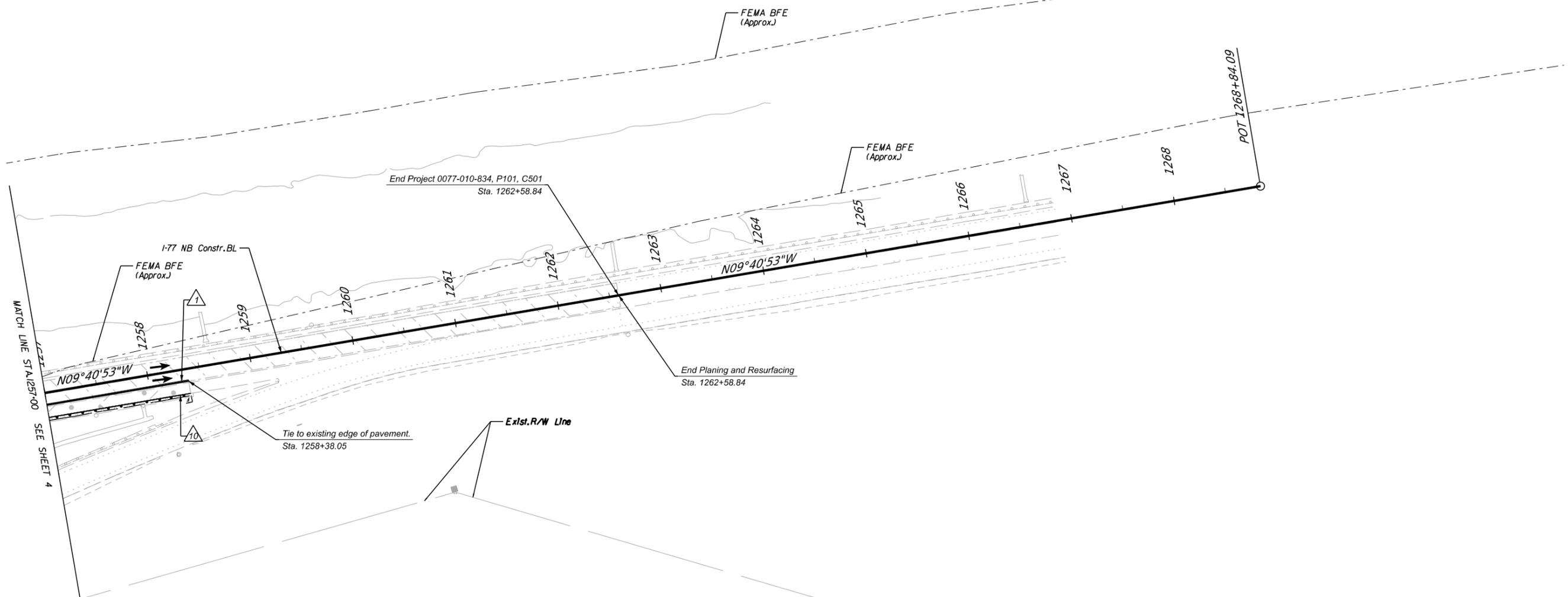
CONCEPT PLANS  
For Information  
Only  
DATE:



PROJECT	SHEET NO.
0077-010-834	4

PROJECT MANAGER ROBERT C. LEONARD, P.E. (276) 696-3258 (BRISTOL DISTRICT)  
 SURVEYED BY, DATE LES BYRNSIDE, L.S. (804) 330-3781 (H&B SURVEYING AND MAPPING, LLC.) 1/10/2022  
 DESIGN BY DRMP, INC. (919) 650-1038 (GLEN ALLEN, VIRGINIA)  
 SUBSURFACE UTILITY BY, DATE ACCUMARK, 1/12/2022

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	77	0077-010-834, B644 C501, P101	5
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
DRMP, Inc. Glen Allen, Virginia ROADWAY ENGINEER				



- 1 Saw Cut Full Depth Req'd.
- 2 S'd. GR-MGS1 Req'd.
- 3 S'd. GR-MGS2 Req'd.
- 4 Tie to existing guardrail
- 5 S'd. GR-FOA-2, Type I Req'd.
- 6 S'd. GR-FOA-2, Type II Req'd.
- 7 S'd. GR-2 Req'd.
- 8 S'd. GR-MGS4 Req'd.
- 9 S'd. GR-9 Req'd.
- 10 S'd. GR-MGS3 Req'd.
- 11 S'd. GR-FOA-5 & CG-3 Req'd.

- DENOTES TEMPORARY PAVEMENT
- DENOTES PLANING AND RESURFACING
- DENOTES DEMOLITION OF PAVEMENT
- DENOTES PROPOSED ASPHALT

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

Note: Dot - dot - dashed lines denote Temporary Easements.  
 Dot - dashed lines denote Permanent Easements.

CONCEPT PLANS  
For Information  
Only  
DATE:



PROJECT 0077-010-834	SHEET NO. 5
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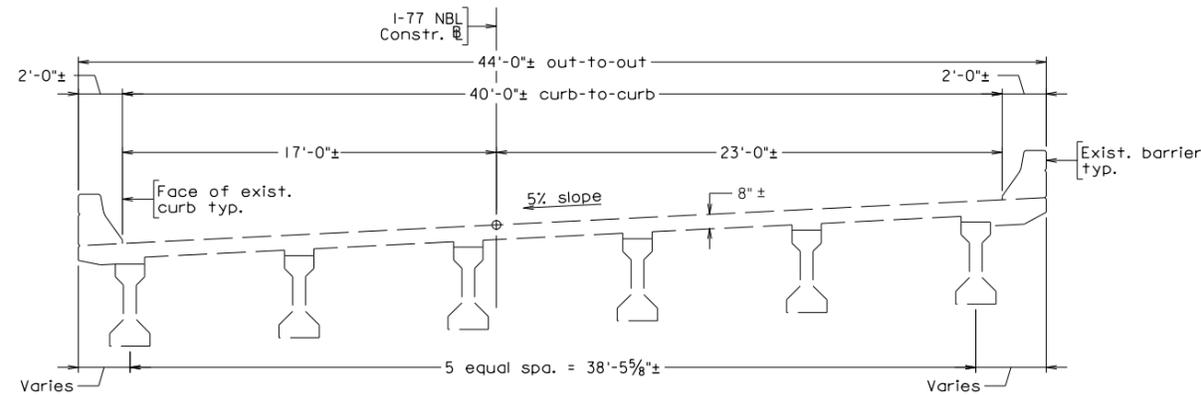




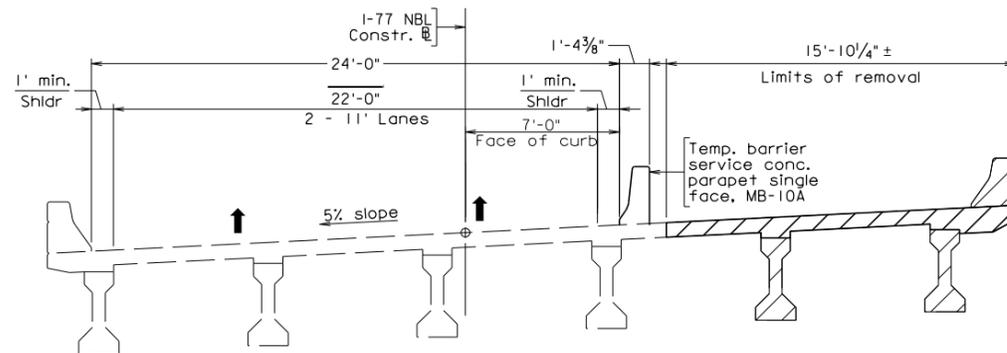




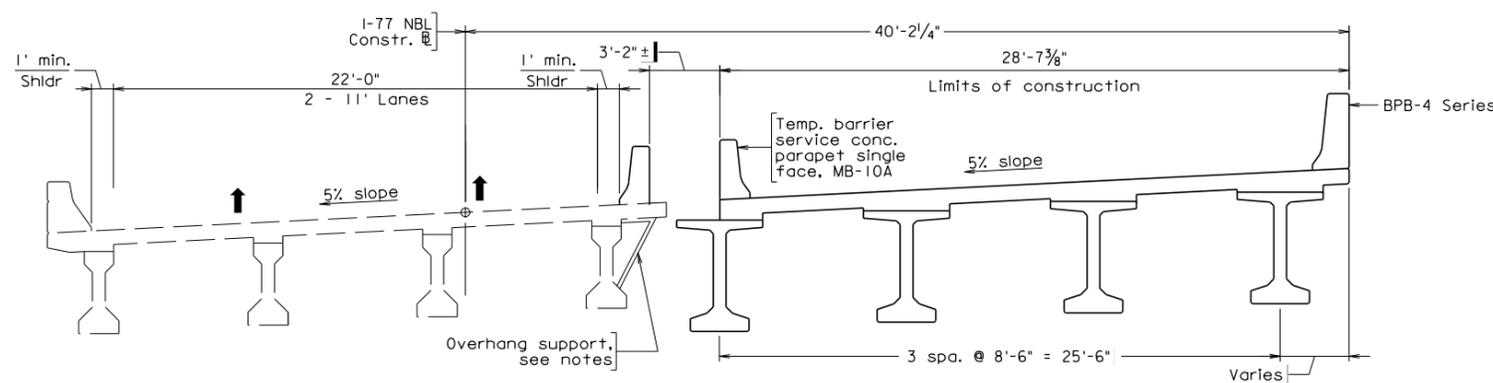
STATE	FEDERAL AID		STATE		SHEET NO.
	ROUTE	PROJECT	ROUTE	PROJECT	
VA.	—		77	0077-010-834, B644	2



EXISTING TRANSVERSE SECTION



PHASE I REMOVAL



PHASE I CONSTRUCTION

Denotes limits of removal

Notes:  
 Minimum of two 11' lanes and 1' shoulders shall be maintained.  
 Removal work shall conform to Section 412 of the specifications.  
 Existing superstructure is shown schematically and for information purpose only. The Contractor shall field verify the exact location and dimensions of the structure.  
 Contractor is responsible for maintaining stability of the piers throughout demolition and construction.  
 An overhang support may be required once the temporary barrier is added depending on the sequence of construction implemented by the Contractor.

- Sequence of Construction Notes:
1. Install temporary traffic barrier and shift traffic as shown.
  2. Remove portion of the existing structure.
  3. Construct portion of the proposed structure.
  4. Shift traffic to newly constructed portion of the bridge.
  5. Remove the remaining portion of the existing structure.
  6. Construct the remaining portion of the proposed structure.
  7. Shift traffic lanes to final configuration and open bridge to traffic.

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

XXX-XX\_002armp.dgn

DRMP, INC.  
 Richmond, VA  
 STRUCTURAL ENGINEER

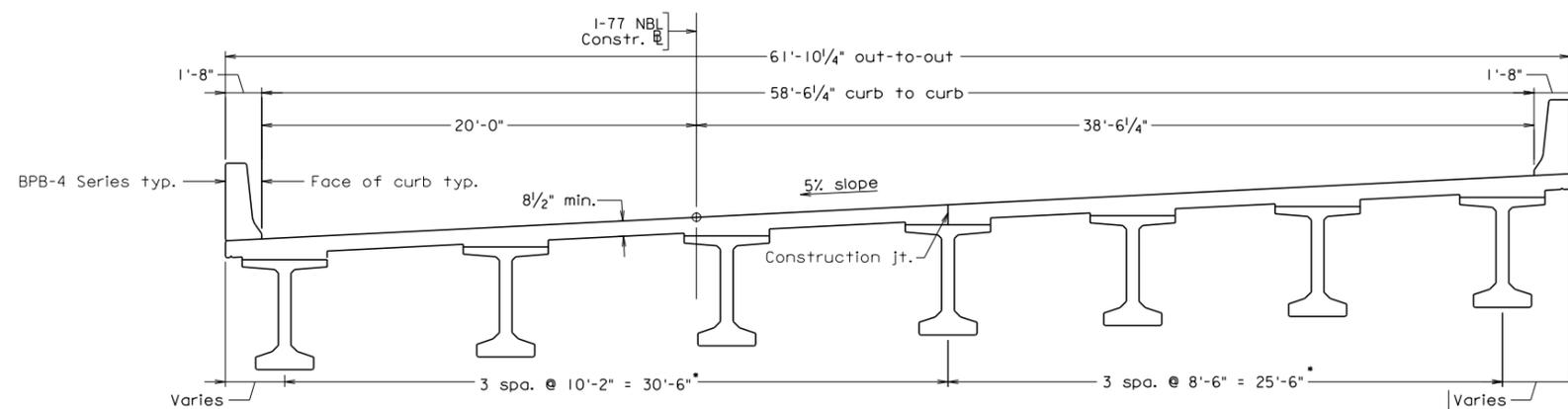
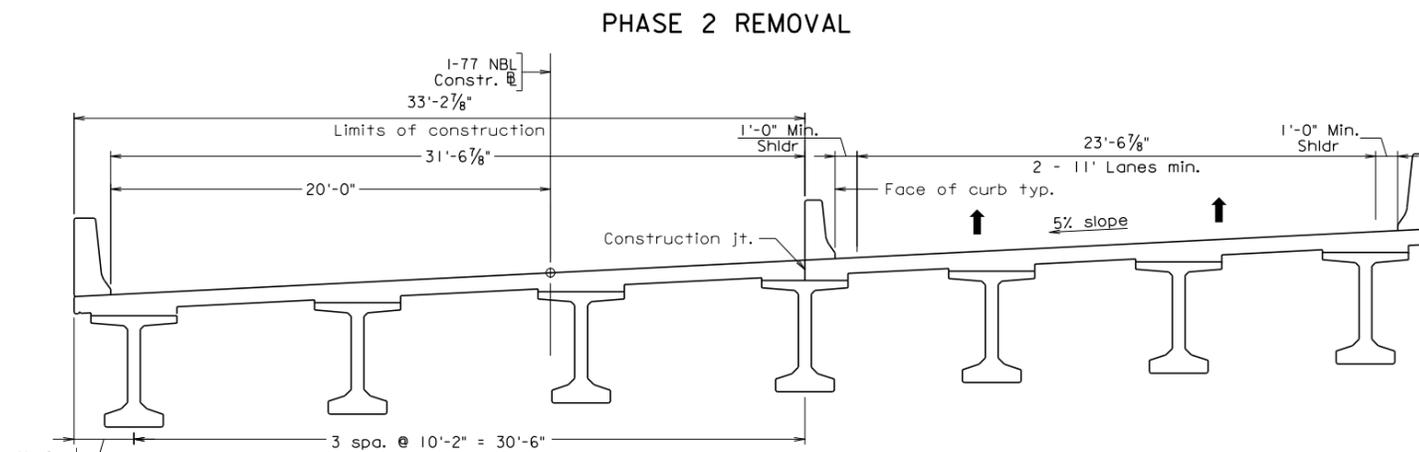
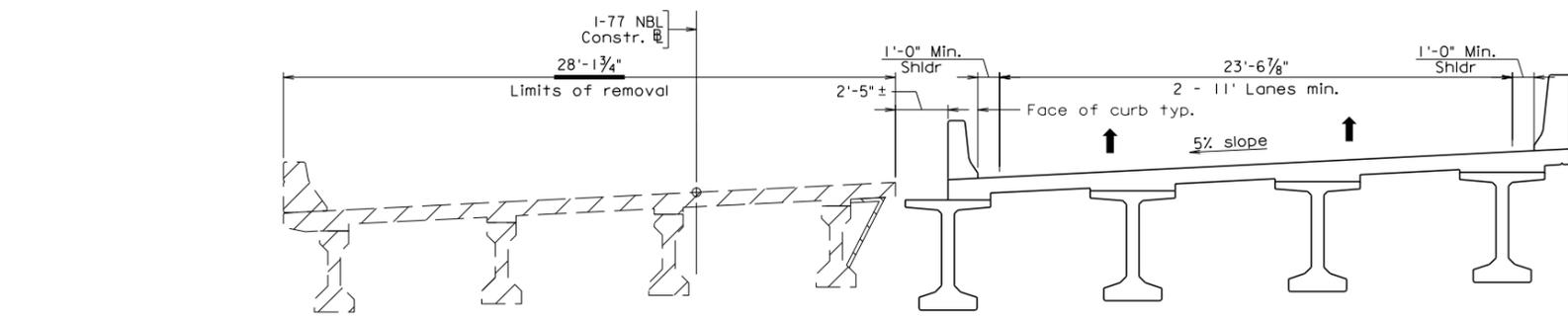
Scale: 1/4" = 1'-0"

2023, Commonwealth of Virginia

COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION					
STRUCTURE AND BRIDGE DIVISION					
I-77 NBL OVER RTE. 606 SEQUENCE OF CONSTRUCTION SHEET 1 OF 2					
No.	Description	Date	Designed: JCH..... Date	Plan No.	Sheet No.
			Drawn: JCH..... Checked: ATU.....	Jan. 2023	XXX-XX 2 of 5
Revisions					

STATE	FEDERAL AID		STATE	SHEET
ROUTE	PROJECT		ROUTE	PROJECT
VA.			77	0077-010-834, B644
				NO.
				3

Notes:  
 For Sequence of Construction notes, see sheet 2.  
 Phase 2 construction temporary barrier will be modified provide clearances for constructibility clearances.



Denotes limits of removal

\*Beam spacing may be slightly adjusted during final design.

PRELIMINARY PLANS  
 THESE PLANS NOT TO BE USED  
 FOR CONSTRUCTION

XXX-XX-003drmp.dgn

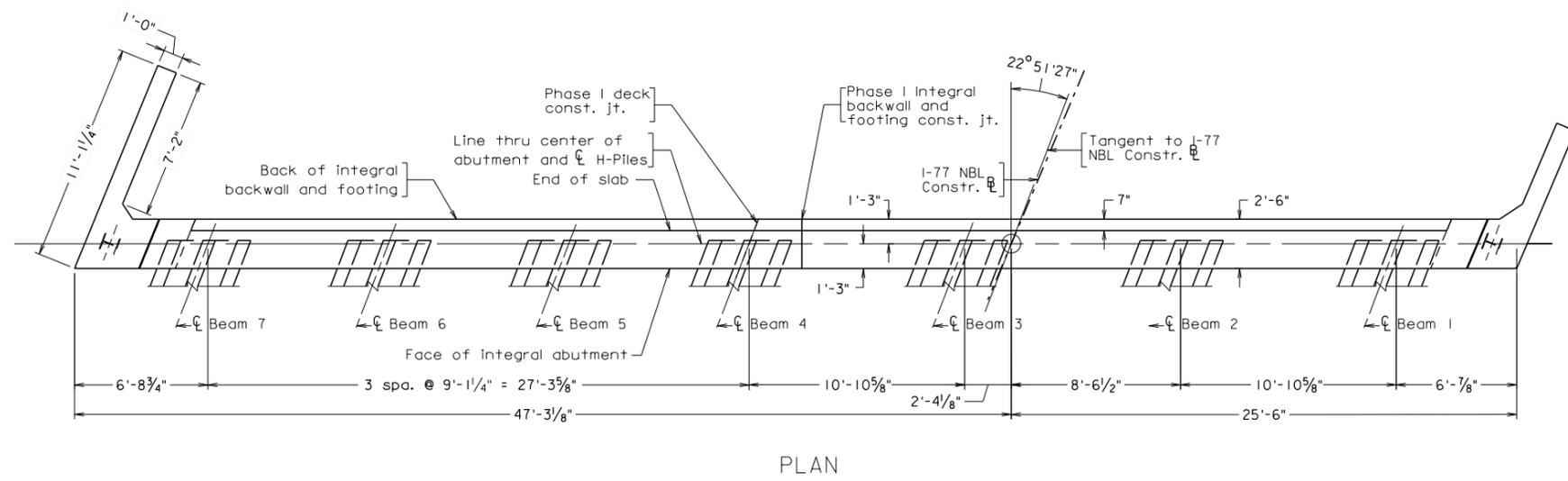
DRMP Inc.  
 Richmond, VA  
 STRUCTURAL ENGINEER

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

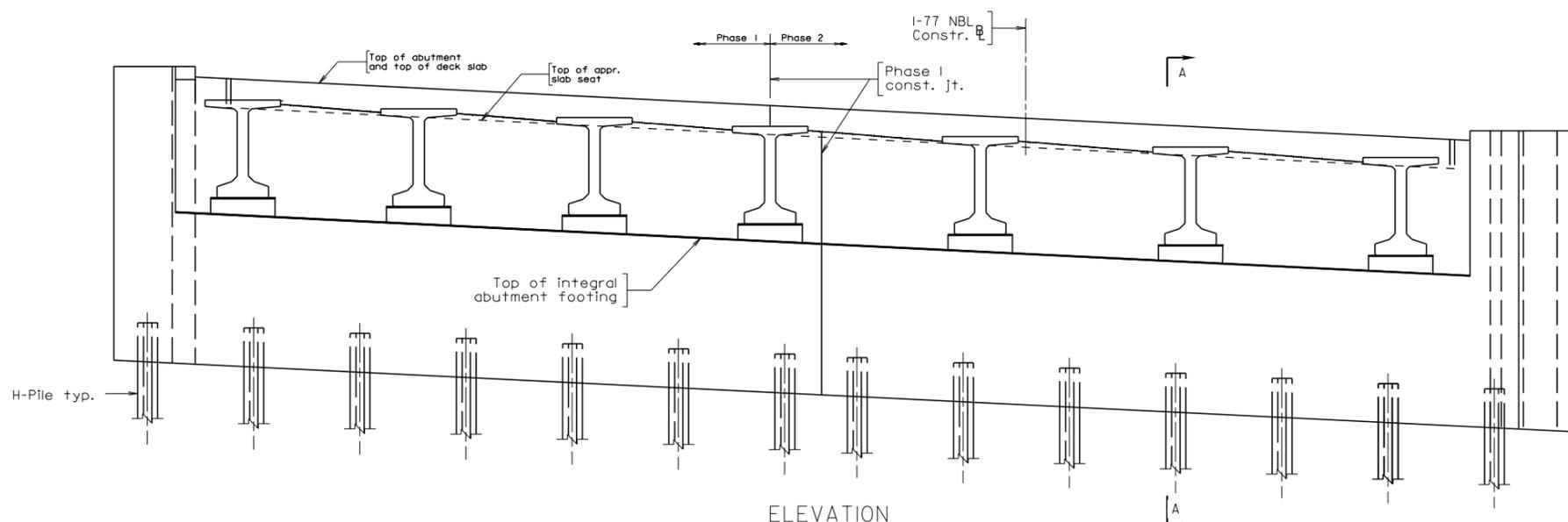
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COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION					
STRUCTURE AND BRIDGE DIVISION					
I-77 NBL OVER RTE. 606 SEQUENCE OF CONSTRUCTION SHEET 2 OF 2					
No.	Description	Date	Designed: JCH..... Date	Plan No.	Sheet No.
			Drawn: JCH..... Checked: AJW.....	Jan. 2023	XXX-XX 3 of 5
Revisions					

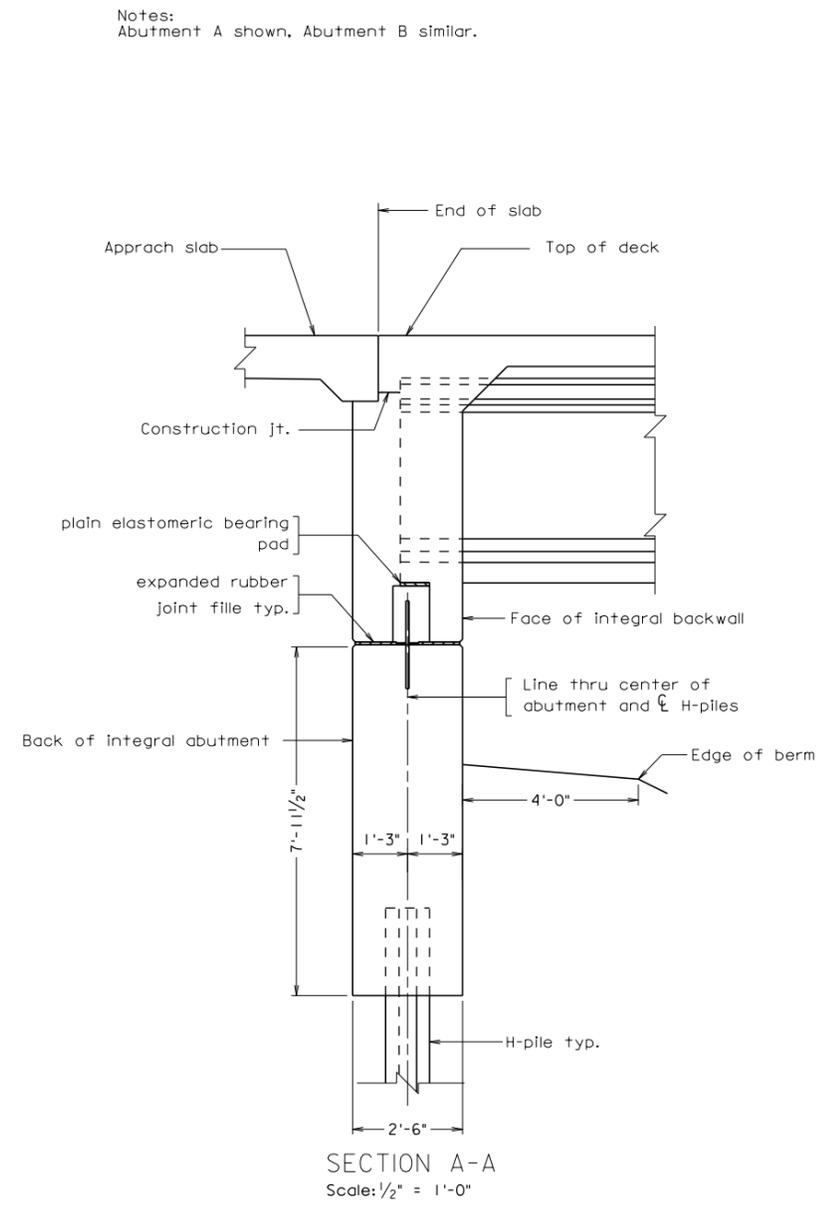
STATE	FEDERAL AID		STATE	SHEET
ROUTE	PROJECT		ROUTE	PROJECT
VA.			77	0077-010-834, B644
				4



PLAN



ELEVATION



SECTION A-A  
Scale: 1/2" = 1'-0"

Notes:  
Abutment A shown, Abutment B similar.

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

XXX-XX\_004drmp.dgn

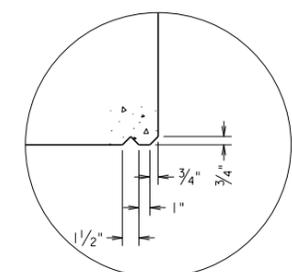
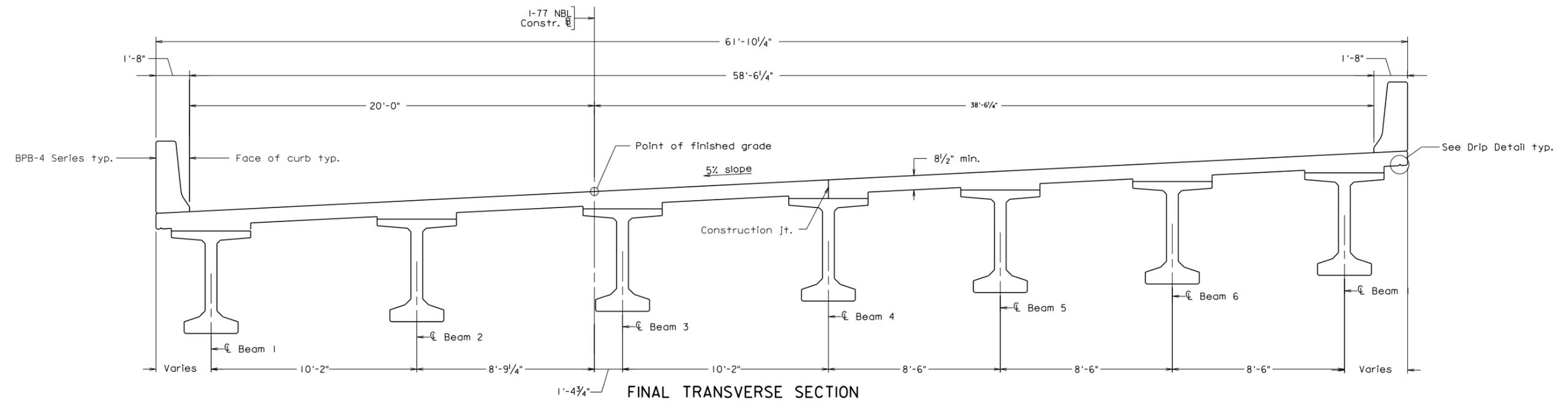
DRMP, INC.  
Richmond, VA  
STRUCTURAL ENGINEER

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

2023, Commonwealth of Virginia

			COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION			
			STRUCTURE AND BRIDGE DIVISION			
			I-77 NBL OVER RTE. 606 ABUTMENT A PLAN AND ELEVATION			
No.	Description	Date	Designed: JCH.....	Date	Plan No.	Sheet No.
			Drawn: JCH.....	Jan. 2023	XXX-XX	4 of 5
			Checked: ATU.....			
Revisions						

STATE	FEDERAL AID		STATE	SHEET
ROUTE	PROJECT		ROUTE	PROJECT
VA.			77	0077-010-834, B644
				5



**DRIP DETAIL**  
Scale: 1/2" = 1'-0"

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

COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION			
STRUCTURE AND BRIDGE DIVISION			
I-77 NBL OVER RTE. 606 TRANSVERSE SECTION			
No.	Description	Date	
	Revisions		
Designed: JCH	Date	Plan No.	Sheet No.
Drawn: JCH	Jan. 2023	XXX-XX	5 of 5
Checked: AJL			

DRMP Inc.  
Richmond, VA  
STRUCTURAL ENGINEER

XXX-XX-005drmp.dgn



## 4.3 PRICE PROPOSAL

### Attachment 4.0.1.2 – Price Proposal Checklist

#### ATTACHMENT 4.0.1.2

### DESIGN-BUILD PRICE PROPOSAL CHECKLIST

Project Name: I-77 over Route 606 Bridge Replacement  
Contract ID Number: C00117110DB115

---

➤ Contents of Price Proposal:

- Cost Breakdown Summary in whole numbers and the Proposal Price, in both numbers and words (Part 1, Attachment 4.3.1)
  - Price Adjustment Information and Forms for Asphalt, Fuel and Steel, including identification of pay items and associated quantities eligible for adjustment (Part 3, Section 6.3, Attachments 6.3(a), 6.3(c), and 6.3(d))
  - Proposal Guaranty (C-24) required by Section 102.07 of Part 5, Division I Amendments to the Standard Specifications
  - Sworn Statement Forms C-104 and C-105 (Part 1, Attachments 4.3.4(a) and 4.3.4(b))
-

**Attachment 4.3.1 – Price Proposal Form**

Request for Proposals  
Part 1  
Instructions for Offerors  
November 2, 2022

I-77 over Route 606 Bridge Replacement  
Bland County, Virginia  
Project No.: 0077-010-834, P101, C501, B644  
Contract ID # C00117110DB115

**ATTACHMENT 4.3.1**

**PRICE PROPOSAL FORM**

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

Price Proposal Cost Breakdown Summary;

Design Services, LS	\$ <u>2,500,000.00</u>
Construction Services (exclude QA/QC), LS	\$ <u>12,312,700.00</u>
Quality Assurance (QA) (Construction), LS	\$ <u>796,800.00</u>
Quality Control (QC) (Construction), LS	\$ <u>648,000.00</u>

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

Lump Sum (LS): SIXTEEN MILLION TWO HUNDRED FIFTY-SEVEN THOUSAND FIVE HUNDRED AND 00/100 (\$16,257,500.00)

Signature: By Franklin Ellis Date: January 18, 2023

Design-Builder: Crowder Construction Company

Vendor No.: C046



## 4.3.2 – Adjustments to Asphalt, Steel, and Fuel Prices

Request for Proposals  
Part 3  
Lump Sum Agreement  
November 2, 2022

I-77 over Route 606 Bridge Replacement  
Bland County, Virginia  
Project No. 0077-010-834  
Contract ID # C00117110DB115

### EXHIBIT 6.3(a) ADJUSTMENT FOR ASPHALT

#### SPECIAL PROVISION FOR ASPHALT MATERIAL PRICE ADJUSTMENT for DESIGN-BUILD PROJECTS

June 26, 2018

All asphalt material listed in the attached "Asphalt Material Items Eligible for Price Adjustment" will be adjusted in accordance with the provisions as set forth herein. Other items will not be adjusted, except as otherwise specified in the contract. Any item added through a Work Order which contains asphalt material 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 64S-22 f.o.b. price per ton and an average PG 64E-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 Construction Division website on or about the first weekday of the following month. In the event the average prices were to change 10 percent or more of the Base Index during the middle of the month, the Design Builder can submit a letter to the Department and the supplier that provides evidence of the difference in price. Upon receipt of the letter consideration will be given to extend additional adjustments as deemed necessary.

This monthly statewide average price will be the Base Index for all contracts on which Price Proposals 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. Calculations must be done for each type of Asphalt Material put in place each month, whether the Current Index is higher or lower than the Base Index. The calculation for the adjustment shall be shown as follows:

$$A = Q \times \%AC \times IC$$

Where: A = Asphalt Adjustment Dollar Amount  
Q = Quantity of Asphalt Material put in place during the month  
%AC = % of Asphalt Cement in the Asphalt Material as specified in the Job Mix Formula  
IC = Numeric Dollar Difference, either positive or negative, between the Base Index and Current Index

*Example Calculation for Negative Price Adjustment (Credit back to VDOT):*

7,500 Tons of SM-12.5A put in place during the month (Q), Job Mix is 6.1% Asphalt Cement for SM-12.5A (%AC), Base Index for the Contract is \$515/Ton, Current Index is \$500/Ton, Difference of - \$15.00/Ton (IC)

$$7,500 \text{ Tons SM-12.5A} \times 6.1\% \times -\$15.00/\text{Ton} = -\$6,862.50 \text{ Adjustment Amount}$$

*Example Calculation for Positive Price Adjustment (Paid to the Design-Builder):*

10,000 Tons of BM-25.0A put in place during the month (Q), Job Mix is 5.2% Asphalt Cement for BM-25.0A (%AC), Base Index for the Contract is \$515/Ton, Current Index is \$560/Ton, Difference of + \$45.00/Ton (IC)

$$10,000 \text{ Tons BM-25.0A} \times 5.2\% \times \$45.00/\text{Ton} = +\$23,400.00 \text{ Adjustment Amount}$$

Commonwealth of Virginia  
Virginia Department of Transportation  
Page 1 of 5



Adjustment of any asphalt material other than PG 64S-22 and PG 64E-22 will be based on the indexes for PG 64S-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. Items the Design-Builder claims in its application of payment for asphalt adjustments must include supporting calculations certified by the Quality Assurance Manager (QAM). These calculations shall be completed relative to the calendar month under which the work was performed and shall be submitted for either positive or negative 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.

VIRGINIA DEPARTMENT OF TRANSPORTATION  
**MASTER LISTING OF  
 ASPHALT MATERIAL ITEMS ELIGIBLE FOR PRICE ADJUSTMENT**

ITEM	DESCRIPTION	UNITS	SPECIFICATION
10062	Asphalt-Stab. Open-Graded Material	Ton	313
10416	Liquid Asphalt	Gal	311 312
10417	Tack Coat	Gal	310
10420	Blotted Seal Coat Ty. B	Sy	ATTD
10422	Blotted Seal Coat Ty. C	Sy	ATTD
10423	Blotted Seal Coat Ty. C-1	Sy	ATTD
10424	Blotted Seal Coat Ty. D	Sy	ATTD
10598	NS Asphalt Concrete	Ton	315
10603	Asphalt Concrete Ty. SM-19.0A	Ton	315
10604	Asphalt Concrete Ty. SM-19.0D	Ton	315
10605	Asphalt Concrete Ty. SM-19.0E (64E)	Ton	315
10606	Asphalt Concrete Ty. SM-9.5	Ton	315
10607	Asphalt Concrete Ty. SM-12.5A	Ton	315
10608	Asphalt Concrete Ty. SM-12.5D	Ton	315
10609	Asphalt Concrete Ty. SM-12.5E (64E-22)	Ton	315
10610	Asphalt Concrete Ty. IM-19.0A	Ton	315
10611	Asphalt Concrete Ty. IM-19.0D	Ton	315
10612	Asphalt Conc. Base Cr. Ty. BM-25.0	Ton	315
10614	Asphalt Concrete Ty. IM-19.0E (64E)	Ton	315
10613	Asphalt Concrete Ty. BM-37.5	Ton	315
10635	Asphalt Concrete Ty. SM-9.5A	Ton	315
10636	Asphalt Concrete Ty. SM-9.5D	Ton	315
10637	Asphalt Concrete Ty. SM-9.5E (64E-22)	Ton	315
10639	Asphalt Concrete Ty. SM-19.0	Ton	315
10642	Asphalt Concrete Ty. BM-25.0A	Ton	315
10643	Asphalt Concrete Ty. BM-25.0D	Ton	315
10650	Stone Matrix Asphalt SMA-9.5(64H-22)	Ton	317
10651	Stone Matrix Asphalt SMA-9.5(64E-22)	Ton	317
10652	Stone Matrix Asphalt SMA-12.5(64H-22)	Ton	317
10653	Stone Matrix Asphalt SMA-12.5(64E-22)	Ton	317
10654	Stone Matrix Asphalt SMA-19.0(64H-22)	Ton	317
10655	Stone Matrix Asphalt SMA-19.0(64E-22)	Ton	317
10701	Liquid Asphalt Coating	Sy	ATTD
12505	Asphalt Concrete Curb Backup Material	Ton	315
13240	Asphalt Concrete Sidewalk	Ton	504
16110	Emul. Asph. Slurry Seal Type A	Sy	ATTD
16120	Emul. Asph. Slurry Seal Type B	Sy	ATTD
16130	Emul. Asph. Slurry Seal Type C	Sy	ATTD
16144	Latex Mod. Emul. Treat. Type B	Ton	ATTD
16145	Latex Mod. Emul. Treat. Type C	Ton	ATTD



16146	Latex Mod. Emul. Treat. Rutfilling	Ton	ATTD
16161	Modified Single Seal	Sy	ATTD
16162	Modified Double Seal	Sy	ATTD
16249	Nontracking Tack Coat	Gal.	ATTD
16250	Liquid Asphalt Matl. CMS-2 (Mod)	Gal	ATTD
16251	Liquid Asphalt Matl. CMS-2	Gal	ATTD
16252	Liquid Asphalt Matl. CRS-2	Gal	ATTD
16253	Liquid Asphalt Matl. CRS-2H	Gal.	ATTD.
16254	Liquid Asphalt Matl. RC-250	Gal	ATTD
16256	Liquid Asphalt Matl. RC-800	Gal	ATTD
16257	Ns Liquid Asphalt Matl.	Gal	ATTD
16260	Liquid Asphalt Matl. CRS-2L	Gal	ATTD
16325	NS Asphalt Concrete	Ton	N/A
16326	Asphalt Concrete Ty. SM-4.75A	Ton	315
16327	Asphalt Concrete Ty. SM-4.75D	Ton	315
16328	Asphalt Concrete Ty. SM-4.75E	Ton	315
16330	Asphalt Concrete Ty. SM-9.0A	Ton	315
16335	Asphalt Concrete Ty. SM-9.5A	Ton	315
16337	Asph. Conc. Ty. SM-9.5ASL (Spot Level)	Ton	315
16340	Asphalt Concrete Ty. SM-9.5D	Ton	315
16342	Asph. Conc. Ty. SM-9.5DSL (Spot Level)	Ton	315
16345	Asphalt Concrete Ty. SM-9.5E (64E-22)	Ton	315
16350	Asphalt Concrete Ty. SM-12.5A	Ton	315
16352	Asph. Con. Ty. SM-12.5ASL (Spot Level)	Ton	315
16355	Asphalt Concrete Ty. SM-12.5D	Ton	315
16357	Asph. Con. Ty. SM-12.5DSL (Spot Level)	Ton	315
16360	Asphalt Concrete Ty. SM-12.5E (64E-22)	Ton	315
16364	Asphalt Concrete Ty. SM-19.0E (64E)		
16365	Asphalt Concrete Ty. IM-19.0A	Ton	315
16370	Asphalt Concrete Ty. IM-19.0D	Ton	315
16371	Asphalt Concrete Ty. IM-19.0E (64E)		
16373	Asphalt Concrete Ty. IM-19.0A (T)	Ton	315
16374	Asphalt Concrete Ty. IM-19.0D (T)	Ton	315
16377	Asphalt Concrete Ty. BM-37.5	Ton	315
16379	Asphalt Concrete Ty. IM-19.0T	Ton	315
16390	Asphalt Concrete Ty. BM-25.0A	Ton	315
16392	Asphalt Concrete Ty. BM-25.0D	Ton	315
16395	Asphalt Concrete Ty. BM-25.0A (T)	Ton	315
16397	Asphalt Concrete Ty. BM-25.0D (T)	Ton	315
16400	Stone Matrix Asphalt SMA-9.5(64H-22)	Ton	ATTD
16401	Stone Matrix Asphalt SMA-9.5(64E-22)	Ton	ATTD
16402	Stone Matrix Asphalt SMA-12.5(64H-22)	Ton	ATTD
16403	Stone Matrix Asphalt SMA-12.5(64E-22)	Ton	ATTD
16404	Stone Matrix Asphalt SMA-19.0(64H-22)	Ton	ATTD
16405	Stone Matrix Asphalt SMA-19.0(64E-22)	Ton	ATTD
16490	Hot Mix Asphalt Treatment	Ton	ATTD
16500	Surf.Preparation & Restoration Type I	Ton	ATTD



Request for Proposals  
Part 3  
Lump Sum Agreement  
November 2, 2022

I-77 over Route 606 Bridge Replacement  
Bland County, Virginia  
Project No. 0077-010-834  
Contract ID # C00117110DB115

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16502	Surf.Preparation & Restoration Type II	Ton	ATTD
16504	Surf.Preparation & Restoration Type III	Ton	ATTD
67201	NS Asphalt Concrete Overlay	Ton	315
67210	NS Asphalt Concrete	Ton	315
68240	NS Asphalt Concrete	Ton	315



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

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

June 26, 2018

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 shall 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. The optional fuel item listing eligible for fuel adjustment is provided by the Department at this website: <http://www.virginiadot.org/business/const/resource.asp>. 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.

In order to be eligible for fuel adjustment under this provision, the Design-Builder shall clearly identify in the Schedule of Items 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 Schedule of Items shall not be considered for adjustment.

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

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

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

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

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

Where; S = Monetary amount of the adjustment (plus or minus)

B = Base index price

E = Current index price

Q = Quantity of individual units of work

F = Appropriate fuel factor

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

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

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

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

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

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

Date: January 18, 2023

Signature: [Handwritten Signature]

Design-builder: Crowder Construction Company

Vendor No.: C046

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

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

June 6, 2018

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. Only items on this listing will be eligible for steel price adjustment. Generally, non-standard pay items will not be eligible for steel price adjustment unless such steel items are project-specific modifications of items normally eligible and the quantities present on the project constitute major items of the work. Inventoried materials from the listing of eligible items are specifically excluded for consideration. This provision also does not allow for price adjustment for embedded steel where the steel item is a component of the finished bid item and there is no separate or distinct payment for the steel item or for steel used for pre-tensioned or post-tensioned precast components where furnishing steel is included in the unit price of the finished bid item. This includes items 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 immediately upon arrival at the fabricator.

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 will only be considered if 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.

Items under consideration for price adjustment will be compared to the steel category index items and the corresponding I.D. numbers shown in the table attached to the end of this provision.

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

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

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

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



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

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Project bid on April 28, 2004.

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

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

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

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

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

Adjustment formula is as follows:

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

Where;

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

$$B = \$0.2816$$

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

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

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

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

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

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Project bid on April 28, 2004.

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

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

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

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

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

Adjustment formula is as follows:

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

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

$$B = \$0.2816$$

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

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

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

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

**MASTER LISTING**

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

June 8, 2018

**BLS Series I. D.**

ITEM NUMBER	ITEM DESCRIPTION	UNITS	Number WPU used in \$ adjust.
00519	SHEET PILE, STEEL	SF	avg. 1017 & 101
00540	REINF. STEEL	LB	101704
00560	STRUCTURAL STEEL JB-1	LB	avg. 1017 & 101
11030	REINF. STEEL BRIDGE APPR. SLAB	LB	101704
13545	REINF. STEEL	LB	101704
14502	REINFORCING STEEL	LB	101704
45522	4" STEEL ENCASE. PIPE	LF	101706
45532	6" STEEL ENCASE. PIPE	LF	101706
45562	16" STEEL ENCASE. PIPE	LF	101706
45572	18" STEEL ENCASE. PIPE	LF	101706
45582	24" STEEL ENCASE. PIPE	LF	101706
45584	24" JACKED STEEL ENCASUREMENT PIPE	LF	101706
45592	30" STEEL ENCASE. PIPE	LF	101706
60452	REINF. STEEL BRIDGE APPR. SLAB	LB	101704
61700	REINF. STEEL	LB	101704
61704	CORROSION RESISTANT 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
68100	REINF. STEEL	LB	101704
68104	CORROSION RESISTANT 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



Request for Proposals  
Part 3  
Lump Sum Agreement  
November 2, 2022

I-77 over Route 606 Bridge Replacement  
Bland County, Virginia  
Project No. 0077-010-834  
Contract ID # C00117110DB115

69100	REINF. STEEL	LB	101704
69104	CORROSION RESISTANT REINF. STEEL	LB	101704
69110	STEEL PILES 10"	LF	avg. 1017 & 101
69112	STEEL PILE 12"	LF	avg. 1017 & 101
69113	DRIVING TEST FOR 12" STEEL PILE	LF	avg. 1017 & 101

I elect to use this provision

I elect not to use this provision

Date: January 18, 2023

Signature: *Ray Franklin Ellis*

Design-Builder: Crowder Construction Company

Vendor No.: C046





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 Crowder Construction Company As principal, and Liberty Mutual Insurance Company 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 18th Day of January, 2023

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

PROJECT NUMBER:  
VDOT - Bland County; Project Number C00117110DB115

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.

Crowder Construction Company  
(Principal\*)  
By: [Signature]  
(Officer, Partner or Owner) (Seal)  
[Signature]  
Principal\*)  
By: [Signature]  
Charlotte, N.C. (Officer, Partner or Owner) (Seal)

Liberty Mutual Insurance Company  
(Surety Company)  
By: [Signature]  
Jennifer C. Hoehn (Attorney-in-Fact\*) (Seal)  
175 Berkeley Street  
Boston, MA 02116  
(Address)  
By: \_\_\_\_\_  
(Surety Company)  
\_\_\_\_\_  
(Attorney-in-Fact\*\*) (Seal)  
By: \_\_\_\_\_  
(Officer, Partner or Owner) (Seal)  
By: \_\_\_\_\_  
(Address)

\*Note: If the principal is a joint venture, each party thereof must be named and execution made by same hereon. If there is more than one surety to the bid bond, each surety must be named and execution shall be made by same hereon.  
**Electronic Bid Only:** In lieu of completing the above section of the Contract Performance Bond, the Principal shall file an Electronic Bid Bond when bidding electronically. By signing below the Principal is ensuring the identified electronic bid bond has been executed and the Principal and Surety are firmly bound unto the Commonwealth of Virginia under the same conditions of the bid bond as shown above.

Electronic Bid Bond ID#	Company/Bidder Name	Signature and Title
**Attach copy of Power of Attorney		

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated. Not valid for mortgage, note, loan, letter of credit, bank deposit, currency rate, interest rate or residual value guarantees. For bond and/or Power of Attorney (POA) verification inquiries, please call 610-832-8240 or email HOSUR@libertymutual.com.



**Liberty Mutual.**  
SURETY

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

**POWER OF ATTORNEY**

KNOWN ALL PERSONS BY THESE PRESENTS: That The Ohio Casualty Insurance Company is a corporation duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint Jennifer C. Hogan of the city of Charlotte state of NC its true and lawful attorney-in-fact, with full power and authority hereby conferred to sign, execute and acknowledge the following surety bond

Principal Name: Crowder Construction Company  
 Obligor Name: Commonwealth of Virginia, Department of Transportation  
 Surety Bond Number: Bid Bond Bond Amount: See Bond Form

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 12<sup>th</sup> day of March, 2021.



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

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

STATE OF PENNSYLVANIA  
COUNTY OF MONTGOMERY

SS

On this 12<sup>th</sup> day of March, 2021, before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of Liberty Mutual Insurance Company, The Ohio Casualty Company, and West American Insurance Company, and that he, as such being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Kind of Prussia, Pennsylvania, on the day and year first above written



Commonwealth of Pennsylvania - Notary Seal  
Teresa Pastella, Notary Public  
Montgomery County  
My commission expires March 28, 2025  
Commission number 1126044  
Member, Pennsylvania Association of Notaries

By: Teresa Pastella  
Teresa Pastella, Notary Public

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

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

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

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

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

I, Renee C. Llewellyn, the undersigned, Assistant Secretary, of Liberty Mutual Insurance Company, The Ohio Casualty Insurance Company, and West American Insurance Company do hereby certify that this power of attorney executed by said Companies is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 18<sup>th</sup> day of January, 2023.



By: Renee C. Llewellyn  
Renee C. Llewellyn, Assistant Secretary



**DRMP**

Contract ID No. C00117110DB115

**Attachment 4.3.4(a) – Form C-104 (Bidder’s Statement)**

Form C-104  
Rev. 7-13-05

**COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION**

PROJECT: 0077-010-834, P101, C501, B644

FHWA: NHFP-077-2(343)

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

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

**AFFIDAVIT**

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

Signed at Mecklenburg (Charlotte), North Carolina, this 18th day of January, 20 23  
County (City), STATE

Crowder Construction Company By: George Franklin Ellis Executive Vice President  
(Name of Firm) (Signature) Title (print)

STATE of North Carolina COUNTY (CITY) of Mecklenburg (Charlotte)

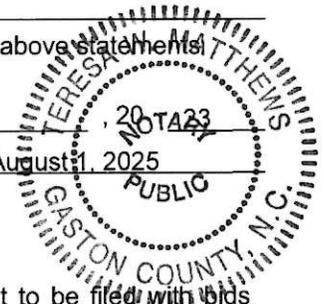
To-wit:

I Teresa W. Matthews, a Notary Public in and for the State and County(City) aforesaid, hereby certify that this day George Franklin Ellis

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 18th day of January, 20 23

Teresa W. Matthews My Commission expires August 1, 2025  
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: \_\_\_\_\_ Title (print)  
(Name of Firm) (Signature)



**Attachment 4.3.4(b) – Form C-105 (Bidder’s Certification)**

Form C-105  
Rev. 7-13-05

**COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
AFFIDAVIT**

PROJECT:

FHWA:

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.

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

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

NAME	Location of Principal Office
<u>Carolinas Association of General Contractors</u>	<u>Charlotte/Raleigh, North Carolina</u>
_____	_____
_____	_____

- I (we) have X, 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 X, have not \_\_\_\_\_, filed with the joint Reporting Committee, the Director of the Office of Federal Contract Compliance, a Federal Government contracting or administering agency, or the former President’s Committee on Equal Employment Opportunity, all reports due under the applicable filing requirements.

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

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

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

(Continued)



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

Form C-105  
page 2

3. The bidder certifies to the best of its knowledge and belief, that it and its principals:
- (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any Federal department or agency;
  - (b) Have not within a three year period preceding this proposal been convicted of or had a civil judgement rendered against them for commission of fraud or a criminal offence in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
  - (c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated above; and
  - (d) Where the bidders is unable to certify to any of the statements in this certification, the bidder shall show an explanation below.

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

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

Signed at Mecklenburg (Charlotte), North Carolina, this 18th day of January, 20 23  
County (City), STATE

Crowder Construction Company By: George Franklin Ellis Executive Vice President  
(Name of Firm) (Signature) Title (print)

STATE of North Carolina COUNTY (CITY) of Mecklenburg

To-wit:

I Teresa W. Matthews, a Notary Public in and for the State and County(City) aforesaid, hereby certify that this day George Franklin Ellis

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 18th day of January, 20 23

Teresa W. Matthews My Commission expires August 1, 2025  
Notary Public

