

**JANUARY 18, 2023** 

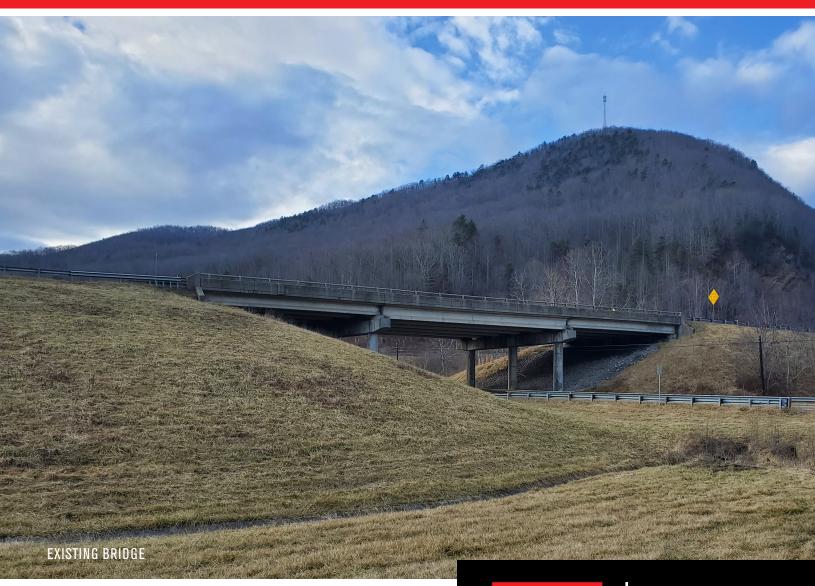
Virginia Department of Transportation Contract ID #C00117110DB115

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

Federal Project No.: NHFP-077-2(341)

## I-77 OVER ROUTE 606 BRIDGE REPLACEMENT

A DESIGN-BUILD PROJECT



## LETTER OF SUBMITTAL AND ATTACHMENTS VOLUME I

VDOT Alternative Project Delivery Division 1401 East Broad Street Annex Building, 5th Floor Richmond, VA 23219





A DESIGN BUILD TEAM



### ATTACHMENT 4.0.1.1 LETTER OF SUBMITTAL CHECKLIST AND CONTENTS

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

1 of 2 Page i

#### **ATTACHMENT 4.0.1.1**

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

#### **LETTER OF SUBMITTAL CHECKLIST AND CONTENTS**

| Letter of Submittal Component                           | Form (if any)       | RFP Part 1 Cross Reference | Page<br>Reference |  |
|---|---------------------|----------------------------|-------------------|--|
| Attachments to the Letter of Submittal                  | NA                  | Section 4.2                |                   |  |
| Affiliated and/ or Subsidiary Companies                 | Attachment 4.2.1    | Section 4.2.1              | 4                 |  |
| Contification Deposition Debourset Forms                | Attachment 4.2.2(a) | Continu 4 0 0              | 5.0               |  |
| Certification Regarding Debarment Forms                 | Attachment 4.2.2(b) | Section 4.2.2              | 5-6               |  |
| Offeror's VDOT prequalification information             | NA                  | Section 4.2.3              | 7                 |  |
| Evidence of obtaining bonding                           | NA                  | Section 4.2.4              | 8-11              |  |
| Full size copies of DPOR licenses and SCC registrations | NA                  | Section 4.2.5              | 12-22             |  |
| SCC registration information - businesses               | Attachment 4.2.5    | Section 4.2.5.1            | 23                |  |
| DPOR registration information - businesses              | Attachment 4.2.5    | Section 4.2.5.2            | 23                |  |
| Lead Contractor Work History Form                       | Attachment 4.2.6(a) | Section 4.2.6              | 24-26             |  |
| Lead Designer Work History Form                         | Attachment 4.2.6(b) | Section 4.2.6              | 27-29             |  |
| Conceptual Roadway Plans                                | NA                  | Section 4.2.7              | 30-35             |  |
| Conceptual Bridge Plans                                 | NA                  | Section 4.2.8              | 36-41             |  |



ATTACHMENT 3.4 (FORM C-78-RFP)
ACKNOWLEDGEMENT OF RFP, REVISIONS, AND/OR ADDENDA

#### **ATTACHMENT 3.4**

## COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION

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

C00117110DB115

RFP NO.

| PROJECT NO.:   | 0077-010-834, P101, C501, B644                                       |  |
|--|--|--|
| ACKNOWLEDGEMEN   | IT OF RFP, REVISION AND/OF   | RADDENDA                                       |
| Acknowledgement shall be made any and all revisions and/or adde are issued by the Department p herein. Failure to include this ack the rejection of your proposal. | enda pertaining to the above de<br>rior to the Letter of Submittal s | esignated project which submission date shown  |
| By signing this Attachment 3.4, following revisions and/or addenwere issued under cover letter(s)  | da to the RFP for the above de                                       | eipt of the RFP and/or esignated project which |
| 1. Cover letter of   | RFP – November 2, 202  | 22   |
| 2. Cover letter of   | Addendum #1 - November 16 (Date)                                     | , 2022   |
| 3. Cover letter of   | Addendum #2 - December 9, (Date)                                     | 2022   |
| man  |  | 01-17-23                                       |
| SIGNATUR   | E  | DATE   |
| NATHANIEL ORDERS   |  | ARESIAENT                                      |
| PRINTED NA   |  | TITLE  |



SECTION 4.1 LETTER OF SUBMITTAL



Corporate Headquarters P.O. Box 1448 St. Albans, WV 25177 304-722-4237

www.ordersconstruction.com

Virginia Office 605 Lithia Road Wytheville, VA 24382 276-227-0378

January 18, 2023

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

Re: Letter of Submittal

I-77 over Route 606 Bridge Replacement

Bland County, Virginia

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

Federal Project No.: NHFP-077-2(341) Contract ID Number: C00117110DB115

Dear Mr. McBride:

Orders Construction Company, Inc., as the Offeror, is pleased to submit this Letter of Submittal in response to the VDOT Request for Proposal dated November 2, 2022; revised by Addendum No. 1 dated November 16, 2022; and Addendum No. 2 dated December 9, 2022, for the above-referenced project, together with A. Morton Thomas and Associates, Inc. as the Prime Design Consultant.

- **4.1.1 Offeror's Legal Name/Address:** The offeror's full legal name and address is Orders Construction Company, Inc., P.O. Box 1448, Saint Albans, WV 25177.
- **4.1.2 Offeror's Intent:** Should VDOT choose Orders Construction Company, Inc. for the award of the I-77 over Route 606 Bridge Replacement project, Orders will enter a contract with VDOT for the project in accordance with the terms of the RFP.
- **4.1.3. Declaration of Effectiveness:** In accordance with Part 1 Section 8.2, the Orders Construction Company, Inc. proposal will remain in full force and effect for one hundred twenty (120) days after the Letter of Submittal and Price Proposal date submitted to VDOT.

#### 4.1.4 Point of Contact:

Jared Clonch, P.E. Vice President Orders Construction Company, Inc. P.O. Box 1448 St. Albans, WV 25177 (P) 304-722-4237 (F) 304-722-4230 jaredc@ordersconstruction.com



Corporate Headquarters
P.O. Box 1448
St. Albans, WV 25177
304-722-4237
www.ordersconstruction.com

Virginia Office 605 Lithia Road Wytheville, VA 24382 276-227-0378

#### 4.1.5 Principal Officer:

Nathaniel Orders, P.E.
President
Orders Construction Company, Inc.
P.O. Box 1448
St. Albans, WV 25177
(P) 304-722-4237
(F) 304-722-4230
nate@ordersconstruction.com

**4.1.6 Company Structure:** Orders Construction Company, Inc. is a corporation and will be the legal entity providing financial responsibility for the project. There are no liability limitations. 100% bonding will be provided for performance and payment.

4.1.7 Full Legal Name of Lead Contractor, Lead Designer and Quality Assurance Firm:

Lead Contractor: Orders Construction Company, Inc.
Lead Designer: A. Morton Thomas and Associates, Inc.
Quality Assurance Firm: A. Morton Thomas and Associates, Inc.

4.1.8 Offer's VDOT Prequalification number: O017 (Active), Attached Copy of Certification

**4.1.9 DBE Participation:** Orders Construction Company, Inc. is committed to achieving a six percent (6%) DBE participation goal for the entire value of this project.

4.1.10 Interim Milestone and Final Completion Date(s):

Interim Milestone, Early Completion Date: September 7, 2025

Final Completion Date: November 6, 2025

Thank you for consideration of our qualifications, concepts and price proposal.

Sincerely,

Nathaniel Orders, P.E.

President

Orders Construction Company, Inc.



### SECTION 4.2 ATTACHMENTS TO LETTER OF SUBMITTAL



## ATTACHMENT 4.2.1 AFFILIATED AND/OR SUBSIDIARY COMPANIES

#### **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.

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

| Relationship with Offeror (Affiliate or Subsidiary) | Full Legal Name               | Address  |
|---|-------------------------------|--|
| Affiliate (Orders)                                  | Paramount Builders, LLC.      | 505 Sixth Avenue, St. Albans, WV 25177                     |
| Affiliate (Orders)                                  | Central Contracting, Inc.     | 515 Sixth Avenue, St. Albans, WV 25177                     |
| Affiliate (Orders)                                  | Underground Contractors, Inc. | 501 Sixth Avenue, St. Albans, WV 25177                     |
| Subsidiary (Orders)                                 | Summit Corporation            | 501 Sixth Avenue, St. Albans, WV 25177                     |
| Subsidiary (Orders)                                 | Middle Ridge Properties, LLC. | 501 Sixth Avenue, St. Albans, WV 25177                     |
| Affiliate (Orders)                                  | Allied Development Group      | 4966 Chillicothe Lancaster Rd SW #8917, Lancaster OH 43130 |
|   |                               |  |
|   |                               |  |
|   |                               |  |
|   |                               |  |
|   |                               |  |
|   |                               |  |
|   |                               |  |
|   |                               |  |
|   |                               |  |



# ATTACHMENT 4.2.2(A) CERTIFICATION REGARDING DEBARMENT FORMS PRIMARY

#### 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.

| man                 | 01-17-23  | PRESIDENT |
|---------------------|-----------|-----------|
| Signature           | Date      | Title     |
| ORDERS CONSTRUCTION | On THE    |           |
|                     | CO', LACI |           |
| Name of Firm        |           |           |



# ATTACHMENT 4.2.2(B) CERTIFICATION REGARDING DEBARMENT FORMS LOWER TIER DEBARMENT

#### **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.

| Timitty His                           | 1/18/2023 | President |  |
|---------------------------------------|-----------|-----------|--|
| Signature                             | Date      | Title     |  |
|                                       |           |           |  |
| A. Morton Thomas and Associates, Inc. |           |           |  |
| Name of Firm                          |           |           |  |



## ATTACHMENT 4.2.3 OFFEROR'S VDOT PREQUALIFICATION INFORMATION



#### Virginia Department of Transportation

## Department's List of Prequalified Vendors Includes All Qualified Levels As Of 1/4/2023

-0-

Vendor ID: 0017

Vendor Name: ORDERS CONSTRUCTION COMPANY, INC.

**Prequal Level:** Prequalified **Prequal Exp:** 07/31/2023

-- PREQ Address -- Work Classes (Listed But Not Limited To)

P. O. BOX 1448 002 - GRADING

ST. ALBANS, WV 25177-0448 003 - MAJOR STRUCTURES
Phone: (304)722-4237 007 - MINOR STRUCTURES

Fax: (304)722-4230 019 - ERECT FABRICATED STRUCTURAL

**MATERIAL** 

055 - BRIDGE REPAIRS

Date Printed: 01/04/2023

12:00 AM

Page 277

Bus. Contact: EARL, SHANNON TODD

Email: STEVENC@ORDERSCONSTRUCTION.COM

-- DBE Information --

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



## ATTACHMENT 4.2.4 EVIDENCE OF OBTAINING BONDING



USI Insurance Services LLC 1 Hillcrest Drive East Charleston, WV 25311 www.usi.biz 304-347-0611

January 4, 2023

Daniel McBride, P. E. Alternative Project Delivery Division Virginia Department of Transportation 1401 East Broad Street Richmond, VA 23219

Re: Orders Construction Company, Inc.

St. Albans, WV

Project: Bridge Replacement, I-77 over Route 606

A Design-Build Project Bland County, Virginia

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

Federal Project No.: NHFP-077-2(341) Contract ID Number: C00117110DB115

Dear Mr. McBride:

Orders Construction Company has made us aware of their desire to become prequalified and to bid on the subject project on January 18, 2023. It is our understanding that the estimate on the project is \$11,000,000. Orders Construction is capable of obtaining a bond for a project of this magnitude. If Orders Construction is the successful bidder and enters a contract to construct this project, we will, according to the terms and conditions of the required bid bond, issue the 100% performance and 100% labor and material payment bonds to warrant the integrity of this design-build project including the warranty period.

Orders Construction's surety credit is underwritten by Zurich Surety. Zurich has an A.M. Best rating of A+(-), Size Category XV (\$2B+), their Federal T-Listing limit is more than \$700,000,000, and they are authorized to do business in Commonwealth of Virginia. We have previously issued bonds on Orders' behalf in the \$200,000,000 range. And, there is currently plenty of capacity in Orders' work program to accommodate this work.

This letter is intended for reference purposes and any formal and specific bond approvals will be based on current and pertinent underwriting factors at the time of the request.

If you have questions concerning this matter, please call me at 304-347-0666. Thank you for your consideration.

Sincerely,

Douglas P. Taylor

Douglas P. Taylor Sr. Vice President

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

KNOW ALL MEN BY THESE PRESENTS: That the ZURICH AMERICAN INSURANCE COMPANY, a corporation of the State of New York, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, a corporation of the State of Illinois, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND a corporation of the State of Illinois (herein collectively called the "Companies"), by Robert D. Murray, Vice President, in pursuance of authority granted by Article V, Section 8, of the By-Laws of said Companies, which are set forth on the reverse side hereof and are hereby certified to be in full force and effect on the date hereof, do hereby nominate, constitute, and appoint Andrew K. TEETER, Jaime L. CARPENTER, Kimberly L. MILES, Douglas P. TAYLOR and Tammy S. SELBE, all of Charleston, West Virginia, EACH, its true and lawful agent and Attorney-in-Fact, to make, execute, seal and deliver, for, and on its behalf as surety, and as its act and deed: any and all bonds and undertakings, and the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Companies, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the ZURICH AMERICAN INSURANCE COMPANY at its office in New York, New York, the regularly elected officers of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at its office in Owings Mills, Maryland, and the regularly elected officers of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at its office in Owings Mills, Maryland, in their own proper persons.

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

IN WITNESS WHEREOF, the said Vice-President has hereunto subscribed his/her names and affixed the Corporate Seals of the said ZURICH AMERICAN INSURANCE COMPANY, COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and FIDELITY AND DEPOSIT COMPANY OF MARYLAND, this 1st day of August, A.D. 2019.







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

By: Robert D. Murray Vice President

Dawn & Brown

By: Dawn E. Brown Secretary

State of Maryland County of Baltimore

On this 1st day of August, A.D. 2019, before the subscriber, a Notary Public of the State of Maryland, duly commissioned and qualified, Robert D. Murray, Vice President and Dawn E. Brown, Secretary of the Companies, to me personally known to be the individuals and officers described in and who executed the preceding instrument, and acknowledged the execution of same, and being by me duly sworn, deposeth and saith, that he/she is the said officer of the Company aforesaid, and that the seals affixed to the preceding instrument are the Corporate Seals of said Companies, and that the said Corporate Seals and the signature as such officer were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporations.

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

Separation of the separation o

Constance A. Dunn, Notary Public My Commission Expires: July 9, 2023

onstance a. Dunn

#### **EXTRACT FROM BY-LAWS OF THE COMPANIES**

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

#### **CERTIFICATE**

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

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

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

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

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

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seals of the said Companies, this 18th day of January , 2023 .







By:

Brian M. Hodges Vice President

Buen Hodger

TO REPORT A CLAIM WITH REGARD TO A SURETY BOND, PLEASE SUBMIT A COMPLETE DESCRIPTION OF THE CLAIM INCLUDING THE PRINCIPAL ON THE BOND, THE BOND NUMBER, AND YOUR CONTACT INFORMATION TO:

Zurich Surety Claims 1299 Zurich Way Schaumburg, IL 60196-1056 www.reportsfelaims@zurichna.com 800-626-4577



### **Bid Bond in Accordance with Contract Specifications**

| SVA0109390 | 1 |
|------------|---|
| Deed No.   |   |

Orders Construction Company, Inc.

Dend Humber

Pulsalisal Mana

P.O. Box 1448, St. Albans, WV, 25177, US

Paleolical Addings

وسلسولي لمراسلات

Virginia Dept. of Transportation

1401 E. Broad Street, Richmond, VA, 23219, US

Openy Chilgre Name

Opposite Children Address

Rend Information

01-18-2023

Fidelity and Deposit Company of Maryland

0017

**Mil Date** 

Supt

Contractor Vincles D Humber

C00117110DB115

Curing D Number

I-77 over Rt 606 Bridge Rehabilitation, Bland County, State Proj No. 0077-010-834, P101, C501, B644, Federal Project No. NHFP-077-2(341)

Decembries of Job

Five percent of amount bid

5%

Amount of the County

السنامية الأسامية التا

Hid Soundly Personalist

Kimberly Miles

Attorney-in-Fact

**USI Insurance Services LLC** 

بمحرف الرحمالة

/Karayle Pert Algorium

Fidelity and Deposit Company of Maryland

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ATTACHMENT 4.2.5 (FULL SIZE COPIES OF DPOR LICENSES AND SCC REGISTRATIONS)

### COMMONWEALTH of VIRGINIA

**EXPIRES ON** 

08-31-2024

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

NUMBER

2701032711

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



ORDERS CONSTRUCTION COMPANY INC **501 6TH AVENUE** ST ALBANS, WV 25177-1448

DP OK

DPOR-LIC (02/2017)

(DETACH HERE)

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

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DYSIK COMMONWEALTH of VIRGINIA Department of Professional and Occupational Regulation

CLASS A BOARD FOR CONTRACTORS CONTRACTOR

\*CLASSIFICATIONS\* H/H

501 6TH AVENUE

NUMBER: 2701032711 EXPIRES: 08-31-2024 ORDERS CONSTRUCTION COMPANY ST ALBANS, WV 25177-1448

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

DPOR-PC (02/2017)

#### License Details

Name A MORTON THOMAS AND ASSOCIATES INC

License Number 0411001044

**License Description** Business Entity Branch Office Registration

**Business Type** Corporation

**Rank** Business Entity Branch Office

Address 125 DEADMORE ST SE, ABINGDON, VA 24210

Initial Certification Date 2013-11-07

**Expiration Date** 2024-02-29

#### Related Licenses <sup>1</sup>

| License    | License Holder         | License Type                     | Relation    | License    |
|------------|------------------------|----------------------------------|-------------|------------|
| Number     | Name                   |                                  | Type        | Expiry     |
| 0402045694 | JONES, CRAIG<br>THOMAS | Professional Engineer<br>License | Engineering | 2023-07-31 |

Showing 1 to 1 of 1 entries

The data located on this website are not the public records of the Department of Professional and Occupational Regulation (DPOR). All public records are physically located at DPOR's Public Records Section: 9960 Mayland Drive, Suite 400, Richmond, VA 23233. While DPOR works to ensure the accuracy of the data provided online, the data available on these pages are updated routinely but may not be up to date at all times (due to document processing delays, technical maintenance, etc.).

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The data located on this website are not the public records of the Department of Professional and Occupational Regulation (DPOR). All public records are physically located at DPOR's Public Records Section: 9960 Mayland Drive, Suite 400, Richmond, VA 23233. While DPOR works to ensure the accuracy of the data provided online, the data available on these pages are updated routinely but may not be up to date at all times (due to document processing delays, technical maintenance, etc.).

DPOR assumes no liability for any errors, omissions, or inaccuracies in the information provided or for any reliance on data provided online. While DPOR has attempted to ensure that the data contained herein are accurate and reflect the status of its regulants, DPOR makes no warranties, expressed or implied, concerning the accuracy, completeness, reliability, or suitability of this data. If discrepancies or errors are discovered, please inform DPOR so that appropriate action may be taken.

#### License Details

Name A MORTON THOMAS AND ASSOCIATES INC

License Number 0411001223

License Description Business Entity Branch Office Registration

**Business Type** Corporation

Rank Business Entity Branch Office

Address 105 ARBOR DR STE 200, CHRISTIANSBURG, VA

24073

Initial Certification Date 2015-10-19

**Expiration Date** 2024-02-29

#### Related Licenses <sup>1</sup>

| License    | License Holder          | License Type                     | Relation    | License    |
|------------|-------------------------|----------------------------------|-------------|------------|
| Number     | Name                    |                                  | Type        | Expiry     |
| 0402046404 | LESTER, JOSHUA<br>DAVID | Professional Engineer<br>License | Engineering | 2024-01-31 |

Showing 1 to 1 of 1 entries

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#### License Details

Name A MORTON THOMAS AND ASSOCIATES INC

License Number 0411000587

**License Description** Business Entity Branch Office Registration

**Business Type** Corporation

Rank Business Entity Branch Office

Address 100 GATEWAY CENTRE PKWY SUITE 200,

RICHMOND, VA 23235

Initial Certification Date 2009-05-13

**Expiration Date** 2024-02-29

#### Related Licenses <sup>1</sup>

| License<br>Number | License Holder<br>Name | License Type                     | Relation<br>Type | License<br>Expiry |
|-------------------|------------------------|----------------------------------|------------------|-------------------|
| 0402026104        | RISSMEYER, DONALD<br>J | Professional Engineer<br>License | Engineering      | 2023-06-30        |
| 0403002288        | CLAYTOR, JOHN<br>SCOTT | Land Surveyor License            | Land Surveying   | 2024-01-31        |

Showing 1 to 2 of 2 entries

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DPOR License Lookup build 1,459 (built 2023-01-09 12:48:55).

#### License Details

Name A MORTON THOMAS AND ASSOCIATES INC

**License Number** 0411001856

**License Description** Business Entity Branch Office Registration

**Business Type** Corporation

Rank Business Entity Branch Office

Address 815 QUARRIER ST STE 313, CHARLESTON, WV

25301

Initial Certification Date 2023-01-04

**Expiration Date** 2024-02-29

#### Related Licenses <sup>1</sup>

| License    | License Holder           | License Type                     | Relation    | License    |
|------------|--------------------------|----------------------------------|-------------|------------|
| Number     | Name                     |                                  | Type        | Expiry     |
| 0402050582 | HEVENER, WESLEY<br>DAVID | Professional Engineer<br>License | Engineering | 2024-05-31 |

Showing 1 to 1 of 1 entries

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1/16/23, 1:07 PM VIRGINIA - SCC

#### **Entity Information**

#### **Entity Information**

Entity Name: ORDERS CONSTRUCTION COMPANY, INC.

Entity ID: F0268500

**Entity Type: Stock Corporation** 

Entity Status: Active

Series LLC: N/A

Reason for Status: Active and In Good Standing

Formation Date: N/A

Status Date: 09/16/2021

VA Qualification Date: 07/05/1973

Period of Duration: Perpetual

Industry Code: 0 - General

Annual Report Due Date: N/A

Jurisdiction: WV

Charter Fee: \$2000.00

Registration Fee Due Date: Not Required

#### Registered Agent Information

RA Type: Entity

Locality: HENRICO COUNTY

RA Qualification: BUSINESS ENTITY THAT IS AUTHORIZED TO

TRANSACT BUSINESS IN VIRGINIA

Name: CT CORPORATION SYSTEM

Registered Office Address: 4701 Cox Rd Ste 285, Glen Allen, VA, 23060 - 6808,

**USA** 

#### **Principal Office Address**

1/16/23, 1:07 PM VIRGINIA - SCC

PO BOX 1448, 501 6TH AVE, ST ALBANS, WV, 25177 - 0000, U\$Attps://www.facebook.com/VirginiaStateCorporationCommission)

(https://twitter.com/VAStateCorpComm)

#### **Principal Information**

| Title             | Director | Name                  | Address   | Last<br>Updated |
|-------------------|----------|-----------------------|---|-----------------|
| OFFICER           | Yes      | NATHANIEL<br>ORDERS   | BOX 1448 501 6TH AVENUE, ST ALBANS, WV, 25177 - 0000, USA     | 07/11/2019      |
| Secretary         | No       | STEVEN M CARR         | BOX 1448 501 6TH AVE, ST ALBANS,<br>WV, 25177 - 0000, USA     | 07/11/2019      |
| P/T               | Yes      | ROBERT O<br>ORDERS JR | BOX 1448 501 6TH AVE, ST ALBANS,<br>WV, 00000 - 0000, USA     | 07/11/2019      |
|                   | Yes      | ANN C ORDERS          | BOX 1448, 501 6TH AVENUE, ST<br>ALBANS, WV, 25177 - 0000, USA | 07/11/2019      |
| Vice<br>President | No       | JARED CLONCH          | BOX 1448 501 6TH AVE, ST. ALBANS,<br>WV, 25177 - 0000, USA    | 07/11/2019      |

**Current Shares** 

Total Shares: 50000

Filing History RA History Name History Previous Registrations

Garnishment Designees Image Request

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1/16/23, 1:04 PM VIRGINIA - SCC

#### **Entity Information**

#### **Entity Information**

Entity Name: A. MORTON THOMAS & ASSOCIATES, INC.

Entity ID: F0494312

**Entity Type: Stock Corporation** 

Entity Status: Active

Series LLC: N/A

Reason for Status: Active and In Good Standing

Formation Date: N/A

Status Date: 12/22/2020

VA Qualification Date: 11/26/1997

Period of Duration: Perpetual

Industry Code: 0 - General

Annual Report Due Date: N/A

Jurisdiction: MD

Julisaiction. IVID

Charter Fee: \$2000.00

Registration Fee Due Date: Not Required

#### Registered Agent Information

RA Type: Entity

Locality: CHESTERFIELD COUNTY

RA Qualification: BUSINESS ENTITY THAT IS AUTHORIZED TO

TRANSACT BUSINESS IN VIRGINIA

Name: COGENCY GLOBAL INC.

Registered Office Address: 250 Browns Hill Ct, Midlothian, VA, 23114 - 9510,

**USA** 

#### **Principal Office Address**

(https://www.ecc.virginia.gov/clk/clk\_contact.acnv)

1/16/23, 1:04 PM VIRGINIA - SCC

700 King Farm Blvd Ste 300, Rockville, MD, 20850 -

5737, USA (https://www.facebook.com/VirginiaStateCorporationCommission)

(https://twitter.com/VAStateCorpComm)

#### **Principal Information**

| Title   | Director | Name                  | Address  | Last<br>Updated |
|---|----------|-----------------------|--|-----------------|
| President   | Yes      | TIMOTHY S<br>KIRK     | 12 WESTWOOD DRIVE,<br>Parkersburg, WV, 26101 -<br>0000, USA        | 10/20/2022      |
| Chief Operating Officer   | No       | CARLOS<br>OSTRIA      | 4716 CHERRY VALLEY DRIVE,<br>Rockville, MD, 20853 - 0000,<br>USA   | 10/20/2022      |
| Vice President  | Yes      | ELIZABETH A<br>TUOMEY | 55 COUNTRY OAK LANE,<br>Lexington, VA, 24450 - 0000,<br>USA        | 10/20/2022      |
| Chief Executive Officer,<br>Treasurer, Chief Financial<br>Officer | Yes      | RICHARD<br>KHALIL     | 17632 ZULLO DRIVE,<br>POOLESVILLE, MD, 20837 -<br>0000, USA        | 10/20/2022      |
|   | Yes      | STEPHEN<br>CHAPIN     | 700 King Farm Blvd Ste 300,<br>Rockville, MD, 20850 - 5737,<br>USA | 10/20/2022      |

**Current Shares** 

Total Shares: 52000

Filing History RA History Name History Previous Registrations

Garnishment Designees Image Request

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ATTACHMENT 4.2.5 (SCC AND DPOR 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) |               |                         |               |  |                                     |                             |                         |  |  |
|--|---------------|-------------------------|---------------|--|-------------------------------------|-----------------------------|-------------------------|--|--|
|  | SCC I         | nformation (4.2.5       | .1)           |  | DPOR Information (4.2.5.2)          |                             |                         |  |  |
| <b>Business Name</b>   | SCC<br>Number | SCC Type of Corporation | SCC<br>Status | DPOR Registered<br>Address                                     | DPOR<br>Registration<br>Type        | DPOR Registration<br>Number | DPOR Expiration<br>Date |  |  |
| Orders Construction Company, Inc.  | F0268500      | Stock<br>Corporation    | Active        | 501 6th Avenue<br>St. Albans, WV 25177                         | Class A<br>Contractor,<br>H/H       | 2701032711                  | 08/31/2024              |  |  |
| A. Morton Thomas and Associates, Inc.                                    | F0494312      | Stock<br>Corporation    | Active        | 125 Deadmore Street, SE<br>Abingdon, VA 24210                  | Business Entity Branch Office       | 0411001044                  | 02/29/2024              |  |  |
| A. Morton Thomas and<br>Associates, Inc.                                 | F0494312      | Stock<br>Corporation    | Active        | 105 Arbor Drive, Suite<br>200<br>Christiansburg, VA<br>24073   | Business<br>Entity Branch<br>Office | 0411001223                  | 02/29/2024              |  |  |
| A. Morton Thomas and Associates, Inc.                                    | F0494312      | Stock<br>Corporation    | Active        | 100 Gateway Centre<br>Parkway, Suite 200<br>Richmond, VA 23235 | Business Entity Branch Office       | 0411000587                  | 02/29/2024              |  |  |
| A. Morton Thomas and<br>Associates, Inc.                                 | F0494312      | Stock<br>Corporation    | Active        | 815 Quarrier Street,<br>Suite 313<br>Charleston, WV 25301      | Business<br>Entity Branch<br>Office | 0411001856                  | 02/29/2024              |  |  |
|  |               |                         |               |  |                                     |                             |                         |  |  |
|  |               |                         |               |  |                                     |                             |                         |  |  |
|  |               |                         |               |  |                                     |                             |                         |  |  |
|  |               |                         |               |  |                                     |                             |                         |  |  |



# ATTACHMENT 4.2.6(A) LEAD CONTRACTOR WORK HISTORY FORM

#### **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     | c. Contact information of the Client or Owner   | d. Contract | e. Contract   | f. Contract Valu  | ue (in thousands)  | g. Dollar Value of Work          |
|----------------------------|---------------------------------|---|-------------|---------------|-------------------|--------------------|----------------------------------|
|                            | consulting firm responsible for | and their Project Manager who can verify Firm's | Completion  | Completion    | Original Contract | Final or Estimated | Performed by the Firm identified |
|                            | the overall project design.     | responsibilities.                               | Date        | Date (Actual  | Value             | Contract Value     | as the Lead Contractor for this  |
|                            |                                 |   | (Original)  | or Estimated) |                   |                    | procurement.(in thousands)       |
| Name: I-81 over Reed       | Name: Moffatt & Nichol          | Name of Client/ Owner: Virginia Department      |             |               |                   |                    |                                  |
| Creek                      |                                 | of Transportation                               |             |               |                   |                    |                                  |
|                            |                                 | 2843 Chapman Road                               |             |               |                   |                    |                                  |
| Location: Wythe County,    |                                 | Wytheville, VA 24382                            | 09/2021     | 09/2021       | \$19,785          | \$18,759           | \$18,759                         |
| VA                         |                                 | Phone: 276-228-2153                             | 09/2021     | 09/2021       | \$19,703          | \$10,739           | \$10,739                         |
|                            |                                 | Project Manager: Rebecca Bane                   |             |               |                   |                    |                                  |
|                            |                                 | Phone: 276-781-6118                             |             |               |                   |                    |                                  |
|                            |                                 | Email: becky.bane2@VDOT.Virginia.gov            |             |               |                   |                    |                                  |

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.

#### Vehicular bridge construction project carrying an interstate demonstrating experience with maintenance of traffic on an interstate. (One of two examples)

**Project Description:** Orders was the prime contractor for replacement of both north and south bound bridges carrying I-81 over Reed Creek in Wythe County. The staged construction required the median side of the two proposed structures to be built connected between the two existing bridges so it could serve as a temporary detour, and then split in the final phase with mirrored overhands and parapet separated by only 6 inches. This configuration resulted in highly constrained work areas with minimal construction access in a section of I-81 with high traffic volumes that required extreme diligence in planning all operations. The new structures are 316 feet long, a combined 132 feet wide, with six hammerhead piers and semi-integral abutments supporting three spans. Grading operations included temporary fill placement and drainage installation for establishing the detour, followed by reconstruction of the roadway alignment to accommodate future widening.

Evidence of Good Performance: This project presented a myriad of challenges in construction and ultimately is a standout example of how Orders will partner with the Department to meet a project schedule through innovation. Before construction even began, Orders identified a substantive opportunity for savings by revising the means for providing temporary grade separations at the stage lines and secured third party engineering services to facilitate the field changes necessary for implementation. These revisions saved the Department a little over \$230,000 and mitigated other impacts to help preserve the original project schedule. Forward thinking administration like this helped Orders complete this project on-time and substantially under budget, despite major challenges presented by supply chain disruptions from a global pandemic.

**Lessons Learned:** The highly constrained worksite and high traffic volumes of this project allowed Orders to continue fine tuning the skills and methods already developed on earlier jobs along the I-81 corridor. Lane restrictions required many operations to be conducted at night on condensed schedules, which necessitated crews skilled in implementing lane closures and traffic switches efficiently. Errors in sequencing or implantation could have dire consequences in this work environment and Orders developed project teams uniquely equipped to manage these challenges.



#### **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     | c. Contact information of the Client or Owner | d. Contract | e. Contract   | f. Contract Valu  | ie (in thousands)  | g. Dollar Value of Work          |
|----------------------------|---------------------------------|---|-------------|---------------|-------------------|--------------------|----------------------------------|
|                            | consulting firm responsible for | and their Project Manager who can verify      | Completion  | Completion    | Original Contract | Final or Estimated | Performed by the Firm identified |
|                            | the overall project design.     | Firm's responsibilities.                      | Date        | Date (Actual  | Value             | Contract Value     | as the Lead Contractor for this  |
|                            |                                 |   | (Original)  | or Estimated) |                   |                    | procurement.(in thousands)       |
| Name: I-81 Over Maury      | Name: Whitman, Requardt &       | Name of Client/ Owner: Virginia               |             |               |                   |                    |                                  |
| River                      | Associates, LLP                 | Department of Transportation                  |             | (VDDT)        |                   | (C)                |                                  |
|                            |                                 | P.O. Box 2249                                 |             | DASHBOARD     |                   | DASHBOARD          |                                  |
| Location: Rockbridge       |                                 | Staunton, VA 24402                            |             |               |                   | \$18,991           | \$18,991                         |
| County, VA                 |                                 | Phone: <b>540-332-9074</b>                    | 12/2006     | 12/2006       | \$17,736          | (including         |                                  |
|                            |                                 | Project Manager: Randy Kiser                  |             |               |                   | incentive          |                                  |
|                            |                                 | Phone: 540-332-9075                           |             |               |                   | payment)           |                                  |
|                            |                                 | Email: Randy.Kiser@VDOT.Virginia.gov          |             |               |                   |                    |                                  |

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.

#### Vehicular bridge construction project carrying an interstate demonstrating experience with maintenance of traffic on an interstate. (One of two examples)

**Project Description:** Orders served as the prime contractor on this project for the replacement and widening of twin bridges over the Maury River on a heavily traveled section of I-81 in Rockbridge County, VA. This project included significant roadway work, including approach roadways being widened to accommodate maintenance of traffic and future widening of I-81. Multiple traffic shifts were required to adjust the approach alignment to accommodate the wider bridges. The 800 feet long bridge structures totaled more than 100,000 square feet of deck area and included innovative and complex expansion devices at each end known as the Virginia Abutment. Other facets were significant rock excavation, roadway drainage, asphalt paving, signing, guardrail, and a new traffic management system. Additionally, a full-time "Safety Service Patrol" was used due to the high traffic volumes. This relatively simple accommodation reduced incident clearance times significantly during the construction duration.

**Evidence of Good Performance:** Orders partnered with VDOT and strived continually to improve upon the aggressive construction schedule and earned an early completion incentive of more than \$400,000. This project also won the 2006 *Award for Excellence in Construction* from the VDOT Staunton District.

Lessons Learned: This project provided tremendous insight for the unique goals and priorities toward which VDOT strives on major bridge projects, and how to meet and exceed VDOT's standards. Partnering was significant to this project because everyone understood the value of finishing on time. Orders partnered with VDOT to compress the project schedule and to resolve design/construction issues quickly, which is experience Orders will apply to keep this current project on the right track. Constructing the bridge foundations Orders learned much about the unique challenges karst substrata can present and developed techniques for mitigation. In addition, Orders gained valuable experience working in and adjacent to a heavily traveled road and development of a transportation management plan for the safety of their workers and the traveling public. All this experience in administration, construction, and traffic control will carry directly over to the current I-77 over route 606 project.





#### **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     | c. Contact information of the Client or Owner | d. Contract | e. Contract   | f. Contract Valu  | ue (in thousands)  | g. Dollar Value of Work          |
|----------------------------|---------------------------------|---|-------------|---------------|-------------------|--------------------|----------------------------------|
|                            | consulting firm responsible for | and their Project Manager who can verify      | Completion  | Completion    | Original Contract | Final or Estimated | Performed by the Firm identified |
|                            | the overall project design.     | Firm's responsibilities.                      | Date        | Date (Actual  | Value             | Contract Value     | as the Lead Contractor for this  |
|                            |                                 |   | (Original)  | or Estimated) |                   |                    | procurement.(in thousands)       |
| Name: <b>I-81 Exit 7</b>   | Name: Virginia Department       | Name of Client/ Owner: Virginia Department    |             |               |                   |                    |                                  |
| Interchange Improvement    | of Transportation               | of Transportation                             |             |               |                   |                    |                                  |
|                            |                                 | 700 East Main Street                          |             |               |                   |                    |                                  |
| Location: City of Bristol, |                                 | Abingdon, VA 24210                            | 08/2015     | 09/2015       | \$3,394           | \$3,384            | \$3,384                          |
| Washington County, VA      |                                 | Phone: 276-676-5504                           | 06/2013     | 09/2013       | \$5,394           | \$5,364            | \$3,304                          |
|                            |                                 | Project Manager: Robert Baker                 |             |               |                   |                    |                                  |
|                            |                                 | Phone: 276-698-9377                           |             |               |                   |                    |                                  |
|                            |                                 | Email: Robert.Baker@VDOT.Virginia.gov         |             |               |                   |                    |                                  |

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.

#### Vehicular bridge replacement construction project carrying a minor arterial or greater classification of roadway.

Project Description: Orders served as the prime contractor for this \$3.4 million project, which included the widening of Old Airport Road, the Northbound I-81 off ramp, new water and sewer facilities and a bridge over Beaver Creek. This project was both complex and compact. Exit 7 at Bristol, Virginia is one of I-81's busiest interchanges with peak hour congestion, an issue that VDOT had struggled with for many years. The project added lanes to Old Airport Road as it passes under the I-81 overpass. A retaining wall was constructed in front of the southern abutment of the overpass to allow widening of the roadway. This gravity wall now helps support the I-81 overpass abutment. Temporary shoring was installed to allow for the excavation and construction of the wall. The project design incorporated a new 12" diameter water line and an 8" diameter sanitary sewer line through the project and it was to be located near the centerline of Old Airport Road. In partnering with VDOT and Bristol Virginia Utilities, Orders proposed to move the line construction out of Old Airport Road to the Southbound shoulder. This not only eliminated traffic issues, but a savings of nearly \$100,000 was passed back to VDOT. The I-81 Northbound off ramp had a turn lane added to facilitate turning left or right onto Old Airport Road. This widening required a 13 feet deep, 30 inch culvert to be installed in the ramp travel lane. Working with VDOT, Orders was able to eliminate this traffic nightmare by moving the pipe to the new lane, raising the flow line and inlet elevations, and eliminating part of the storm pipe and changing the drainage to a paved ditch. This not only eased traffic problems but afforded VDOT nearly \$30,000 in savings. The project also included widening of a double box culvert, new traffic signals, curb & gutter, and asphalt paving.

**Evidence of Good Performance**: Orders completed this project on-time and under budget, assisted the Bristol District with elimination of traffic issues, and assisted VDOT with relocating water, sanitary sewer, and drainage lines out of traffic areas. At the onset of the project, the Bristol District requested Orders to partner with them to do everything possible as not to interfere with traffic and still meet a tight schedule and budget. Orders took this very seriously and worked hand in hand with VDOT to ensure these goals were met.

Lessons Learned: Orders gained valuable experience controlling high volume traffic in a congested interchange, working in and through difficult soils from loam to solid rock, and meeting the demands of a discriminating traveling public. By partnering with VDOT the project staff was able to maintain unfettered access for both the spring and fall Bristol NASCAR races.





ATTACHMENT 4.2.6(B)
LEAD DESIGNER WORK HISTORY FORM

#### **<u>ATTACHMENT 4.2.6(b)</u>**

#### **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<br>Contract Start<br>Date | e. Construction<br>Contract<br>Completion<br>Date (Actual | f. Contract Value<br>Construction<br>Contract Value<br>(Original) | Construction Contract Value (Actual or | g. Design Fee for the Work Performed by the Firm identified as the Lead Designer for this procurement.(in thousands) |
|---|--|--|---|---|---|--|--|
| Name: I-81 Bridge Replacements at Exit 114    | Name: Haymes Brothers, Inc.  | Name of Client/Owner: VDOT Phone: 540-387-5320   | 5/2018                                    | or Estimated)   |   | Estimated) \$22,000                    |  |
| Design-Build  Location: Montgomery County, VA |  | Project Manager: Duane Mann, PE, PMP<br>Phone: 540-381-7195<br>Email: Duane.Mann@VDOT.Virginia.gov     | (Design-Build<br>NTP)                     | 7/2021  | \$21,333  | (Owner-Directed<br>Changes)            | \$2,605 (Design and QAM)   |

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.

Vehicular bridge design projects carrying a minor arterial or greater classification of roadway. (One of two examples)

#### SIMILARITIES TO 1-77 OVER ROUTE 606

- ✓ Replacement of Two Interstate Bridges
- ✓ Widening of Existing
  Interstate Highway & Ramps
- ✓ Interstate Highway
- ✓ Design-Build
- ✓ High Truck Traffic
- ✓ Karst Geography
- ✓ Transportation Management Plan with Multi-Phase TTCP
- ✓ VDOT Standards & Specifications
- ✓ Stormwater Management and Erosion & Sediment Control
- ✓ Storm Drainage & Culverts
- ✓ Signage & Pavement Markings
- ✓ QAM

#### **SUMMARY OF IMPROVEMENTS**

- Replacement of the two existing substandard, deteriorating bridges of I-81 over Route 8
- Modification of the Exit 114 ramps including the addition of two signals at ramp termini
- Interstate roadway widening and geometric modifications, to accomplish the realignment of southbound I-81 lanes, as well as to raise the profile grade by four feet to resolve substandard clearance over Route 8

#### **PROJECT NARRATIVE**

**A. Morton Thomas and Associates, Inc.** (AMT) designed two single-span (146' long) steel plate girder structures with semi-integral abutments, roadway horizontal and vertical alignments, retaining structure including custom moment slab with 42" concrete barrier, drainage and stormwater management, multi-phase TMP/MOT, erosion and sediment control, signing and pavement markings, traffic signals, environmental permitting, and coordinated utility relocation and public involvement. AMT oversaw subconsultant efforts for geotechnical engineering, lighting design, supplemental survey and ROW efforts.

The roadway involved preparing design for interstate widening, shoulder improvements and shifting of the interstate alignment into median to avoid right-of way. Design established 3.8 miles of horizontal alignment. A traffic operations analysis was prepared in accordance with VDOT's Traffic Operations and Safety Analysis Manual (TOSAM) along Route 8 and at each of the I-81 interchange ramps with a focus on intersection lane geometry, turn-lane storage/queuing and traffic control. Replacement of the dual bridges "under traffic" necessitated the permanent relocation of the I-81 southbound alignment into the median, so that traffic could be continuously maintained both on the interstate and on the major collector below. AMT designed a temporary crossover placing northbound I-81 traffic onto the new southbound bridge temporarily during the second construction phase.

A geophysical survey was required given, Karst conditions with zones of differential weathering and soil-fill voids, and plans were formulated to either drive through or pre-bore abutment piles at the "floats," dependent on thickness.

#### **AMT's ROLE AND OFFIC LOCATION**

AMT was the Lead Designer and QAM provider for this design-build project. Services were provided from Christiansburg, Herndon and Abingdon offices.

#### VERIFIABLE EVIDENCE OF GOOD PERFORMANCE

- VDOT Central Office S&B stated they intend to adopt the Moment Slab design method conducted by AMT as a standard practice for moment slab design
- Scores of 3.0 or higher on Design-Build-Performance Evaluations



#### **ATTACHMENT 3.4.1(b)**

#### **LEAD DESIGNER - WORK HISTORY FORM**

#### (LIMIT 1 PAGE PER PROJECT)

| a. Project Name & Location | b. Name of the prime/ general      | c. Contact information of the Client and | d. Construction | e. Construction     | f. Contract V           | Value (in thousands)  | g. Design Fee for the Work Performed by  |
|----------------------------|------------------------------------|--|-----------------|---------------------|-------------------------|-----------------------|--|
|                            | contractor responsible for overall | their Project Manager who can verify     | Contract        | Contract Completion | Construction            | Construction Contract | the Firm identified as the Lead Designer |
|                            | construction of the project.       | Firm's responsibilities.                 | Start Date      | Date (Actual or     | Contract Value          | Value (Actual or      | for this procurement.(in thousands)      |
|                            |                                    |  |                 | Estimated)          | (Original)              | Estimated)            |  |
| Name:                      | Name:                              | Name of Client: Maryland Department      |                 |                     |                         |                       |  |
| US 219 (from I-68 to Old   | Triton Construction, Inc.          | of Transportation, State Highway         |                 |                     |                         |                       |  |
| Salisbury Road) Design-    |                                    | Administration                           | 00/2010         | 0.5 /0.001          | ф00 <b>7</b> с <b>г</b> | 0.00                  | 04.210                                   |
| Build                      |                                    | Project Manager: Michael Baird           | 03/2018         | 05/2021             | \$80,765                | \$62,659              | \$4,310                                  |
| Location:                  |                                    | Phone: 410-545-8913                      |                 |                     |                         |                       |  |
| Garrett County, Maryland   |                                    | Email: mbaird@sha.state.md.us            |                 |                     |                         |                       |  |

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 SOQ may be rendered non-responsive. In any case, only the first phase, segment, element, and/or contract listed will be evaluated.

Vehicular bridge design projects carrying a minor arterial or greater classification of roadway. (One of two examples)

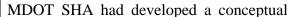
## SIMILARITIES TO 1-77 OVER ROUTE 606

- ✓ Replacement of Two Highway Bridges
- ✓ Relocation of Highway and Ramps
- ✓ Interstate Connection
- ✓ Design-Build
- ✓ High Truck Traffic
- ✓ Transportation Management Plan with Multi-Phase TTCP
- ✓ Stormwater Management and Erosion & Sediment Control
- ✓ Storm Drainage & Culverts
- ✓ Signage & Pavement Markings

#### **SCOPE SUMMARY:**

- Design and construction of 1.4 miles of relocated US 219 for capacity improvements
- Twin single span bridges for new US 219 over US 40 Alt, with aesthetic treatments and three retaining walls which were designed to avoid utility and property impacts
- Design and construction of two new roundabouts to replace existing stop-controlled intersections
- Four SWM ponds, new storm drainage systems and ditches, and multi-phased E/S control
- Extensive TMP with 3 major phases to provide safe and efficient traffic during construction
- Utility relocation/coordination, including relocating utility poles along entire alignment
- Permits for multiple impacts to stream channels and wetlands
- Traffic operations analysis, signage, markings, and roadway lighting

**PROJECT NARRATIVE:** MDOT SHA, in cooperation with the Federal Highway (FHWA), Administration sought improvements to US 219 from I-68 to Old Salisbury Road. The project tis the initial 1.4mile segment of corridor N, part of the Appalachian Development Highway System (ADHS) which is the cornerstone of Appalachian Regional Commission's transportation efforts. The primary purpose was to provide transportation improvements planned responsive to economic development.



design that included a one-mile long deceleration lane on I-68, relocation of two ramps, and the conversion of the two stop-controlled ramp termini to roundabouts. AMT developed an alternative solution through the Alternative Technical Concept (ATC) process. The revised design pulled a significant amount of WB-68 to northbound US 219 traffic out prior to the roundabout allowing for a single lane roundabout vs. the two-lane proposed by MDOT SHA.



The complication was that the new configuration required a five-legged roundabout vs. the more typical four-legged roundabout as was proposed. This required several iterations to meet all the requirement for entrance/exit speeds, angles of entrance/exit, and distance between as well as grade issues and conflict point. The ATC increases efficiency and safety of the intersection and eliminated all the I-68 work which thereby reduced the amount of the environmental impacts. AMT's ATC dramatically reduced the stream impacts from 3,351 linear feet to 362 linear feet. Wetland and forest impacts were also reduced by nearly half and a third, respectively. AMT also coordinated the joint wetland permit application process with SHA, the USACE, and Maryland Department of the Environment (MDE).

**AMT'S ROLE:** AMT was the Lead Designer, responsible for management and oversight of all aspects of engineering design (roadway, structures, geotechnical, drainage, phasing/traffic control, signing, signals, ITS, ligthing, SWM, E/S control, ROW and utilities). AMT obtained all permits and provided the Construction Scheduling support.

**OFFICE LOCATION:** Rockville, Maryland and Towson, Maryland **VERIFIABLE EVIDENCE OF GOOD PERFORMANCE:** 

- During an ATC "one on one" meeting, MDOT remarked that the AMT design for the interchange using the 5-leg roundabout was superior to their own.
- Initial Construction Package was prepared and approved within three months of NTP in order to meet stringent time of year restrictions for tree clearing.
- Approximately \$3 million in construction savings by AMT's innovative roundabout design and subsequent elimination of mainline I-68 construction. Impacts to streams, wetlands and forests were all greatly reduced by the AMT team's design as compared to the original concept.

#### **ATTACHMENT 3.4.1(b)**

#### **LEAD DESIGNER - WORK HISTORY FORM**

#### (LIMIT 1 PAGE PER PROJECT)

| a. Project Name & Location     | b. Name of the prime/ general      | c. Contact information of the Client and | d. Construction | e. Construction | f. Contract Value (in thousands) |                        | g. Design Fee for the Work Performed by  |
|--------------------------------|------------------------------------|--|-----------------|-----------------|----------------------------------|------------------------|--|
|                                | contractor responsible for overall | their Project Manager who can verify     | Contract        |                 | Construction                     | Construction Contract  | the Firm identified as the Lead Designer |
|                                | construction of the project.       | Firm's responsibilities.                 | Start Date      |                 | Contract Value                   | Value (Actual or       | for this procurement.(in thousands)      |
|                                |                                    |  |                 | Estimated)      | (Original)                       | Estimated)             |  |
| Name:                          | Name:                              | Name of Client: FHWA - Eastern           |                 |                 |                                  |                        |  |
| <b>Route 1 Improvements at</b> | Corman Construction, Inc. /        | Federal Lands Highway Division           | 06/2013         | 06/2017         |                                  | \$82,000               | \$5.981                                  |
| Fort Belvoir Design-Build      | Wagman, Inc. Joint Venture         | Phone: 865-286-6115                      | (Design Build   | (Substantial    | \$69,300                         | (due to Owner directed | (Excludes Real Estate                    |
| Location:                      |                                    | Project Manager: Timothy Brown           | NTP)            | Completion)     | \$09,500                         |                        | & Construction QC Fees)                  |
| Fairfax County, VA             |                                    | Phone: 703-963-7481                      | NIP)            | Completion)     |                                  | changes)               | & Construction QC Fees)                  |
|                                |                                    | Email: Timothy.Brown@dot.gov             |                 |                 |                                  |                        |  |

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 SOQ may be rendered non-responsive. In any case, only the first phase, segment, element, and/or contract listed will be evaluated.

Roadway and/or bridge design project carrying a minor arterial or greater classification of roadway demonstrating experience with maintenance of traffic (MOT) and/or transportation management plan (TMP).

#### SIMILARITIES TO 1-77 OVER ROUTE 606

- ✓ Replacement of Two Bridges
- ✓ Widening of Existing Highway
- ✓ Design-Build
- ✓ High Truck Traffic
- ✓ Transportation Management Plan with Multi-Phase TTCP
- ✓ VDOT Standards & Specifications
- ✓ Stormwater Management and Erosion & Sediment Control
- ✓ Storm Drainage & Culverts
- ✓ Signage & Pavement Markings
- ✓ Geotechnical Engineering for Slope Stability
- ✓ QCM

#### SUMMARY OF IMPROVEMENTS

- An improved 3.68-mile six-lane divided NHS highway, adding a 32' median to accommodate future transit.
- Twin, 2-span bridges (260 feet long) with raised profiles for floodplain clearance
- New retaining walls (MSE, VDOT RW-1) and noise walls adjacent to Inlet Cove community
- A precast slab bridge supported on helical piles for a new shared use path
- Extensive TMP with 3 major phases and 5 sub-phases
- Utility relocation/coordination, including relocating utility poles along entire alignment
- Five SWM ponds, 200+ drainage structures, five miles of storm drain pipe, and erosion/sediment control phased with MOT
- Permits for multiple impacts to stream channels (3,500 LF) and wetlands (approximately 2.3 acre), with jurisdiction by VMRC, USACE, and DEQ.
- Extensive right-of-way acquisitions, including more than 100 tenant relocations

PROJECT NARRATIVE: A. Morton Thomas and Associates, Inc. (AMT) was the Engineer of Record and Construction Quality Control Manager for this large design-build project to provide traffic relief and safety for BRAC consolidation near Fort Belvoir. The project implemented enhancements along Route 1 from the Telegraph Road intersection north to Mt. Vernon Memorial Highway for a distance of 3.68 miles. These improvements generally widened Route 1 from four to six lanes, provided a one-mile new alignment to avoid major property impacts, improved intersection safety, operations and capacity with new traffic signals and acceleration/deceleration lanes, and provided parallel pedestrian and bicycle facilities for the entire length. In addition, the project involved replacement bridges over Accotink Creek, major culverts and equipment/wildlife crossing structures under Route 1, and removal of an existing military railroad crossing.

Common Sense Engineering was applied during design. Through the use of milling, overlay, and build-up in area where allowable, proposed MOT was simplified requiring smaller shifts in traffic to address grade changes at the curb line, providing pavement widening as needed. In areas of complete reconstruction, AMT established a bifurcated roadway profile to help minimize earthwork and limit impacts on the adjacent Fort Belvoir and other historic properties.

**AMT'S ROLE:** AMT was responsible for management and oversight of all aspects of engineering design (roadway, structures, geotechnical, drainage, phasing/traffic control, signing, signals, ITS, lighting, stormwater management, erosion and sediment control, ROW and utilities). AMT obtained all permits, and provided the Construction Quality Control Manager for the project. This included managing/providing quality control inspection and testing services.

**OFFICE LOCATION:** Design services were provided from AMT's Richmond and Herndon offices, in addition to the project on-site field office. Construction services were provided from the field office.

#### **VERIFIABLE EVIDENCE OF GOOD PERFORMANCE:**

- AMT structured its delivery of the project to allow for adequate time for outreach and community input. First construction package was approved within 1 month of VDOT Design Approval.
- Acquired Individual Wetland Permit from USACE/DEQ within 7 months of application (2 months ahead of schedule)
- Excellent community feedback on social media, for example: "Thank you so very much for the work efforts made in the design and construction of U.S. Route 1. Project Team members have information shared and answered questions scheduled meetings and programs in communities like There have been creative and safe detours and temporary closures with signs providing news regarding current and future changes."





**JANUARY 18, 2023** 

Virginia Department of Transportation Contract ID #C00117110DB115

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

Federal Project No.: NHFP-077-2(341)

# I-77 OVER ROUTE 606 BRIDGE REPLACEMENT A DESIGN-BUILD PROJECT



# LETTER OF SUBMITTAL AND ATTACHMENTS VOLUME II

VDOT Alternative Project Delivery Division 1401 East Broad Street Annex Building, 5th Floor Richmond, VA 23219





A DESIGN BUILD TEAM



ATTACHMENT 4.2.7 CONCEPTUAL ROADWAY PLANS

| PROJECT MANAGER             |
|-----------------------------|
| SURVEYED BY, DATE           |
| DESIGN BY                   |
| SUBSURFACE UTILITY BY, DATE |

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

| REVISED | STATE |       | STATE                      | SHEET NO  |  |
|---------|-------|-------|----------------------------|-----------|--|
|         | SIKIL | ROUTE | PROJECT                    | JOHEET NO |  |
|         | VA.   | •     | 0077-010-834<br>C501, P10i | 1         |  |

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

#### INDEX OF SHEETS

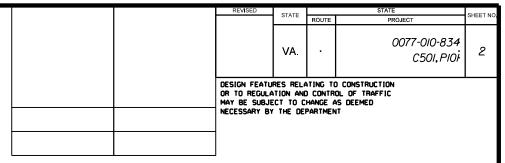
| SHEET NO. | <u>DESCRIPTION</u>                   | <u>ST AT IONS</u>            |
|-----------|--------------------------------------|------------------------------|
| 1         | INDEX OF SHEETS / DESIGN INFORMATION |                              |
| 2         | REINFORCED SOIL SLOPE DETAILS SHEET  |                              |
| 3         | TYPICAL SECTIONS                     |                              |
| 4         | PLAN SHEET: 1-77 NB                  | STA. 1232+00 to STA. 1243+00 |
| 5         | PLAN SHEET: 1-77 NB                  | STA. 1243.00 to STA. 1257.00 |
| 6         | PLAN SHEET: 1-77 NB                  | STA. 1257.00 to STA. 1263.00 |

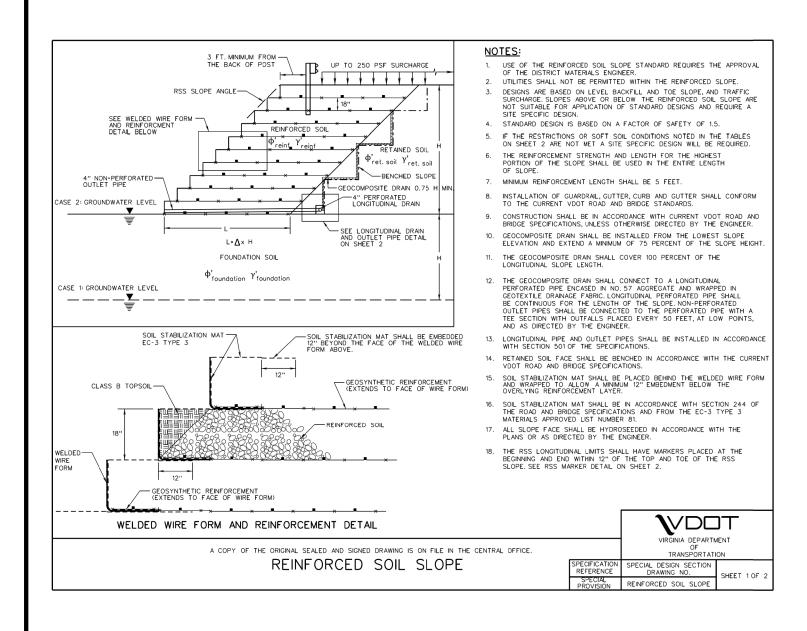
| UPC 117110<br>I-77 NB Over Route 606 Wilderness Road | Roadway Design Crite                                  | Roadway Design Criteria Table |  |  |  |  |  |
|--|---|-------------------------------|--|--|--|--|--|
|  | I-77 NB   | Route 606<br>Wilderness Road  |  |  |  |  |  |
| Existing ADT (2022)                                  | 15,281  | 1,179                         |  |  |  |  |  |
| Design ADT (2047)                                    | 21,461  | 1,336                         |  |  |  |  |  |
| Truck Percentage (2022)                              | 24.0%   | 5.0%                          |  |  |  |  |  |
| Functional Classification                            | Interstate GS-INT                                     | Rural Collector GS-3          |  |  |  |  |  |
| Terrain  | Rural Mountainous                                     | Mountainous                   |  |  |  |  |  |
| Design Speed   | 70 MPH  | 45 MPH                        |  |  |  |  |  |
| Posted Speed   | 70 MPH  | 45 MPH                        |  |  |  |  |  |
| Shoulder/C&G   | Shoulder  | Shoulder                      |  |  |  |  |  |
| Design Vehicle                                       | WB-67   | WB-67                         |  |  |  |  |  |
| Number of Lanes                                      | 2 per direction                                       | 2                             |  |  |  |  |  |
| Minimum Lane Width                                   | 12'   | 12' <sup>(3)</sup>            |  |  |  |  |  |
| Total Shoulder Width - w/o Guardrail                 | 10' (LT & RT)   | 4' (LT & RT)                  |  |  |  |  |  |
| Total Shoulder Width - w/ Guardrail                  | 14' (LT & RT)   | 8' (LT & RT)                  |  |  |  |  |  |
| Paved Shoulder Width                                 | 8' (RT)/ 4' (LT)                                      | 1' (LT & RT) <sup>(4)</sup>   |  |  |  |  |  |
| Buffer Strip Width                                   | N/A   | N/A                           |  |  |  |  |  |
| Minimum Curve Radius                                 | 1,821'  | 589'                          |  |  |  |  |  |
| Maximum Relative Gradient                            | 0.40  | 0.54                          |  |  |  |  |  |
| Maximum Super Elevation                              | 5% (Matching Existing) (2)                            | 8% (TC-5.11R)                 |  |  |  |  |  |
| Minimum Vertical Grade                               | 0.50%   | 0.50%                         |  |  |  |  |  |
| Maximum Vertical Grade                               | 5%  | 10%                           |  |  |  |  |  |
| Minimum Stopping Sight Distance                      | 730'  | 360'                          |  |  |  |  |  |
| Crest Vertical Curve K Value                         | 247   | 61                            |  |  |  |  |  |
| Sag Vertical Curve K Value                           | 181   | 79                            |  |  |  |  |  |
| Minimum Vertical Clearance                           | 16' 6"  | 16' 6"                        |  |  |  |  |  |
| Outside Slope Design Standard                        | CS-4B, 4:1 max w/o guardrail - 1.5:1 max w/ guardrail | CS-3/CS-3B                    |  |  |  |  |  |
| Inside/Median Slope Design Standard                  | CS-4B   | N/A                           |  |  |  |  |  |
| Clear Zone Foreslope                                 | RDM Appendix A2, p. A2-4                              | RDM Appendix A2, p. A2-4      |  |  |  |  |  |
| Clear Zone Backslope                                 | RDM Appendix A2, p. A2-4                              | RDM Appendix A2, p. A2-4      |  |  |  |  |  |
| Minimum Ditch Front Slope                            | 6:1   | 3:1                           |  |  |  |  |  |
| Minimum Ditch Front Slope Width                      | 12'   | 4'                            |  |  |  |  |  |
| Deceleration Lane Taper                              | 250' (Existing)                                       | N/A                           |  |  |  |  |  |
| Deceleration Lane Length                             | 250' (Existing)                                       | N/A                           |  |  |  |  |  |
| Acceleration Lane Length                             | 750' (Existing)                                       | N/A                           |  |  |  |  |  |
| Acceleration Lane Taper                              | 250' (Existing)                                       | N/A                           |  |  |  |  |  |

- (1) Design Speed Concurrence obtained from State Location and Design Engineer, Emmett Heltzel, P.E. on May 17, 2022
- (2) Design Exception not required in order to match existing 5% superelevation rate because this is a Bridge project. GS standard shows 8% maximum superelevation rate required based on minimum radius of 1,821' for 70 mph design speed.
- (3) 12' required at interchange locations. Existing Lane Widths are 12' per existing plans.
- (4) Extend mainline pavement structure 1' into shoulder to eliminate raveling at pavement edge.

|                  |              | 1        |
|------------------|--------------|----------|
|                  | PROJECT      | PAGE NO. |
| CONCEPTUAL PLANS | 0077-010-834 | •        |
|                  |              |          |

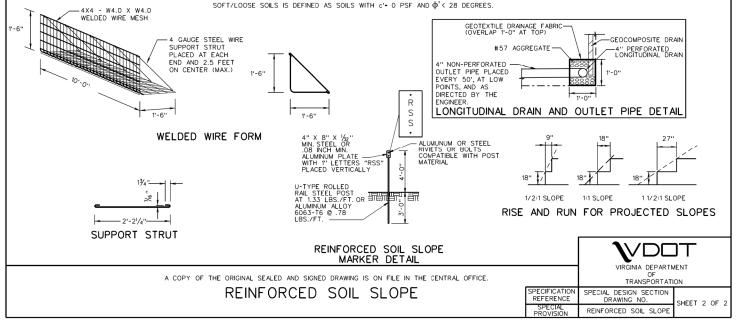
REINFORCED SOIL SLOPE DETAILS





| TYPE A. SELE   | CT M          | ATER                      | IAL IN          | REINFORCED Z  | ONE                            |  |  |
|--|---------------|---------------------------|-----------------|---|--------------------------------|--|--|
| SLOPE CONFIGUR   | CONFIGURATION |                           |                 | GEOSYNTHETIC REINFORCEMENT                            |                                |  |  |
| SLOPE<br>(HORIZONTAL : VERTICAL)   | HEIGHT,       | T, H (FT) ALLOWABLE       |                 | M REINFORCEMENT<br>E TENSILE STRENGTH<br>Tal (LBS/FT) | LENGTH / HEIGHT RATIO $\Delta$ |  |  |
| CASE 1: SOFT SOIL AND MAXIMUM GROUNDWATER LEVEL AT DEPTHS<br>EQUAL TO OR GREATER THAN SLOPE HEIGHT |               |                           |                 |   |                                |  |  |
| 1/2 : 1  | 0 < H         | ≤ 35                      | 1000            |   | 1.0                            |  |  |
| 1:1  | 0 < H         | < 35                      | 1000            |   | 1.0                            |  |  |
| 1 1/2 : 1  | 0 < H         | ≤ 35                      |                 | 1000  | 1.0                            |  |  |
| CASE 2: SOFT SOIL AT D<br>AND M  |               |                           |                 | EATER THAN THE REINF<br>VEL AT TOE OF SLOPE           |                                |  |  |
| 1/2 : 1  | 0 < H         | ≤ 35                      | 1000            |   | 1.3                            |  |  |
| 1:1  | 0 < H         | ≤ 35                      | 1000            |   | 1.2                            |  |  |
| 1 1/2 : 1  | 0 < H         | ≤ 35                      | 1000            |   | 1.0                            |  |  |
| Т  | YPE A         | A DES                     | SIGN S          | OIL PROPERTIES  | S                              |  |  |
|  |               | REINFORCED<br>SOIL        |                 | RETAINED SOIL   | FOUNDATION SOIL                |  |  |
| INTERNAL FRICTION ANGL   |               |                           | <u>&gt;</u> 34° | φ' <sub>ret. soil</sub> ≥ 30°                         | φ' <sub>foundation</sub> ≥ 30° |  |  |
| COHESION, c psf  |               | c = 0                     |                 | c • 0   | c • 0                          |  |  |
| MOIST UNIT WEIGHT, $\nu'$  | pcf Y         | γ' <sub>reinf</sub> ≥ 130 |                 | γ' <sub>ret. soil</sub> ≥ 120                         | γ' <sub>foundation</sub> ≥ 120 |  |  |

| TYPE B. ON SI  | TE OR IM                | PORTE              | SOILS IN RE   | NFORCED ZONE                   |  |  |
|--|-------------------------|--------------------|---|--------------------------------|--|--|
| SLOPE CONFIGURA  | TION                    |                    | GEOSYNTHETIC REINFORCEMENT                            |                                |  |  |
| SLOPE<br>(HORIZONTAL : VERTICAL)   | HEIGHT, H (FT)          | ALLOWABL           | M REINFORCEMENT<br>E TENSILE STRENGTH<br>Tal (LBS/FT) | LENGTH / HEIGHT RATIO          |  |  |
| CASE 1: SOFT SOIL AND MAXIMUM GROUNDWATER LEVEL AT DEPTHS<br>EQUAL TO OR GREATER THAN SLOPE HEIGHT                           |                         |                    |   |                                |  |  |
| 1/2 : 1  | 0 < H < 15              |                    | 1000  | 1.2                            |  |  |
| 1:1  | 0 < H < 15              |                    | 1000  | 1.2                            |  |  |
| 1 1/2 : 1  | 0 < H < 20              |                    | 1000  | 1.2                            |  |  |
| CASE 2: SOFT SOIL AT DEPTHS EQUAL TO OR GREATER THAN THE REINFORCEMENT LENGTH  AND MAXIMUM GROUNDWATER LEVEL AT TOE OF SLOPE |                         |                    |   |                                |  |  |
| 1/2 : 1  | 0 < H ≤ 15              | H ≤ 15 1000        |   | 1.5                            |  |  |
| 1:1  | 0 < H < 15              |                    | 1000  | 1.5                            |  |  |
| 11/2:1   | 0 < H <u>&lt;</u> 20    | 1000               |   | 1.5                            |  |  |
| TYPE B DESIGN SOIL PROPERTIES  |                         |                    |   |                                |  |  |
|  |                         | ORCED<br>OIL       | RETAINED SOIL   | FOUNDATION SOIL                |  |  |
| NTERNAL FRICTION ANGLE   | , φ' φ' <sub>rein</sub> | <sub>f</sub> ≥ 28° | φ' <sub>ret. soil</sub> ≥ 28°                         | φ' <sub>foundation</sub> ≥ 28° |  |  |
| COHESION, c psf  | c =                     | 0                  | c • 0   | c • 0                          |  |  |
| MOIST UNIT WEIGHT, γ'  | pcf γ'reinf ≥           | 120                | γ' <sub>ret. soil</sub> ≥ 120                         | γ' <sub>foundation</sub> ≥ 120 |  |  |



NOTE: RSS was designed under the assumption that Type B, Case 2 criteria would apply.

NOTE: On-site materials used to construct the RSS should classify CL,ML,SC,SM,SP,SW,GC,GM,GP,GW according to ASTM D2487.

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

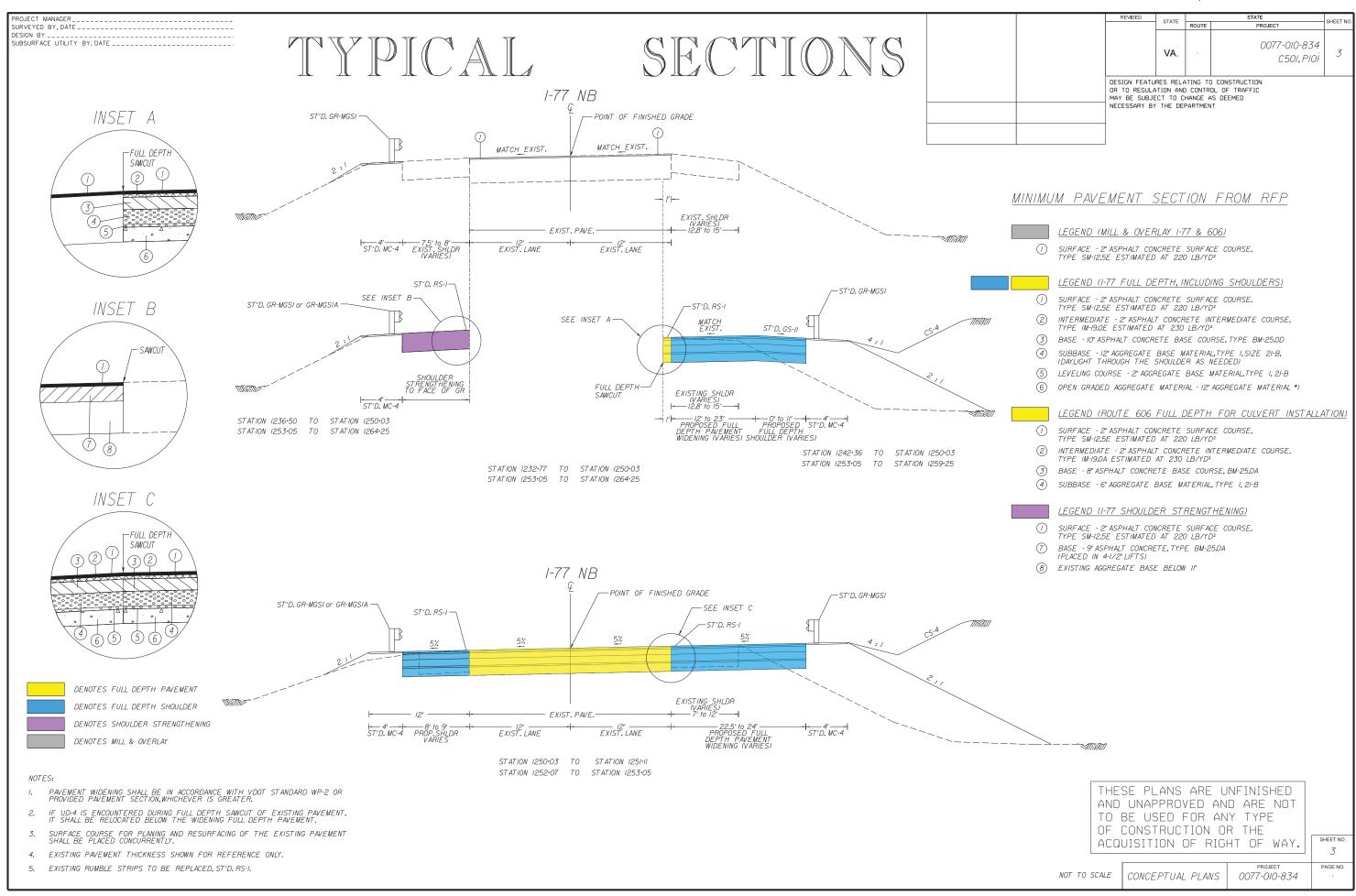
NOT TO SCALE

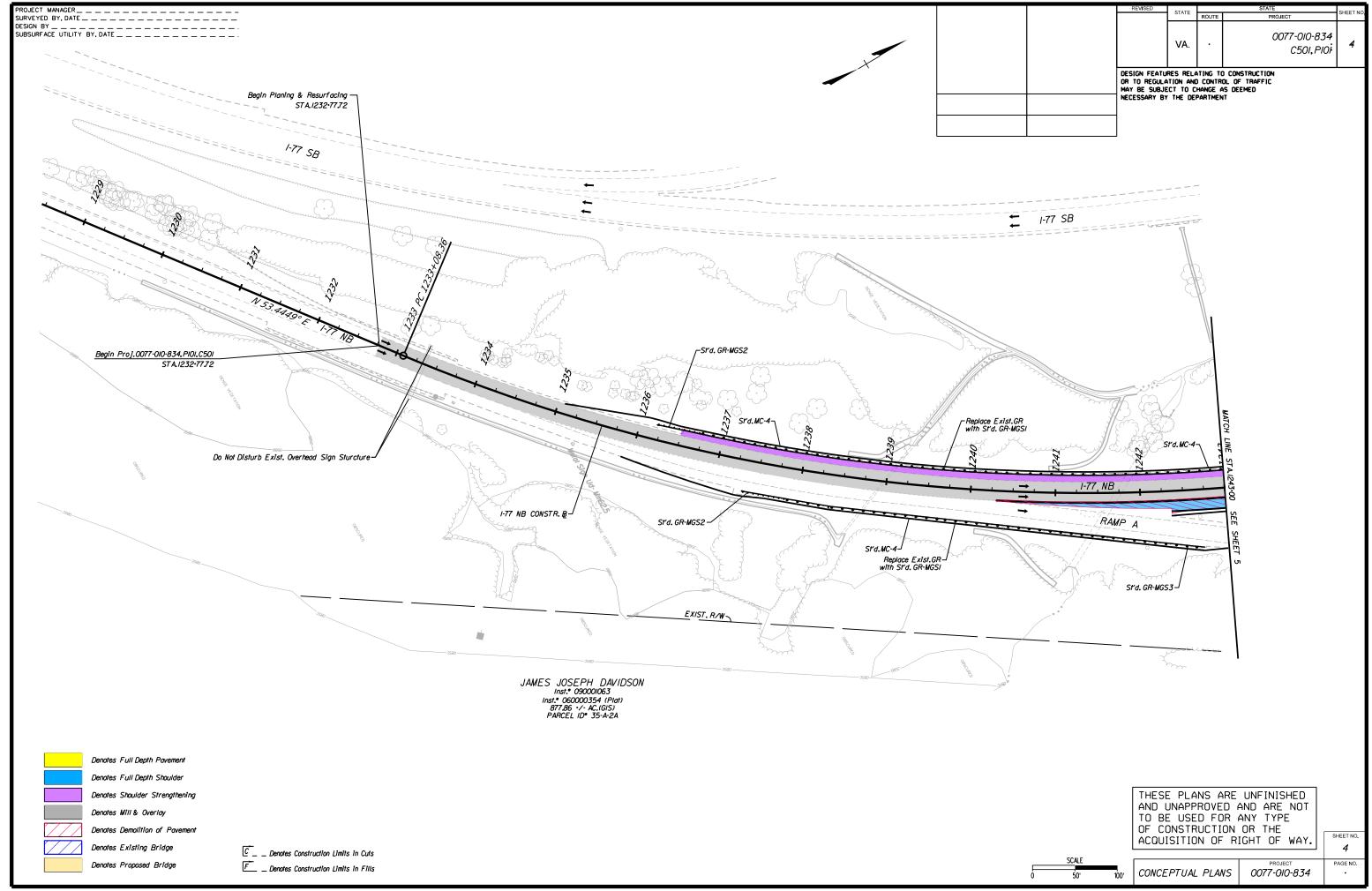
CONCEPTUAL PLANS

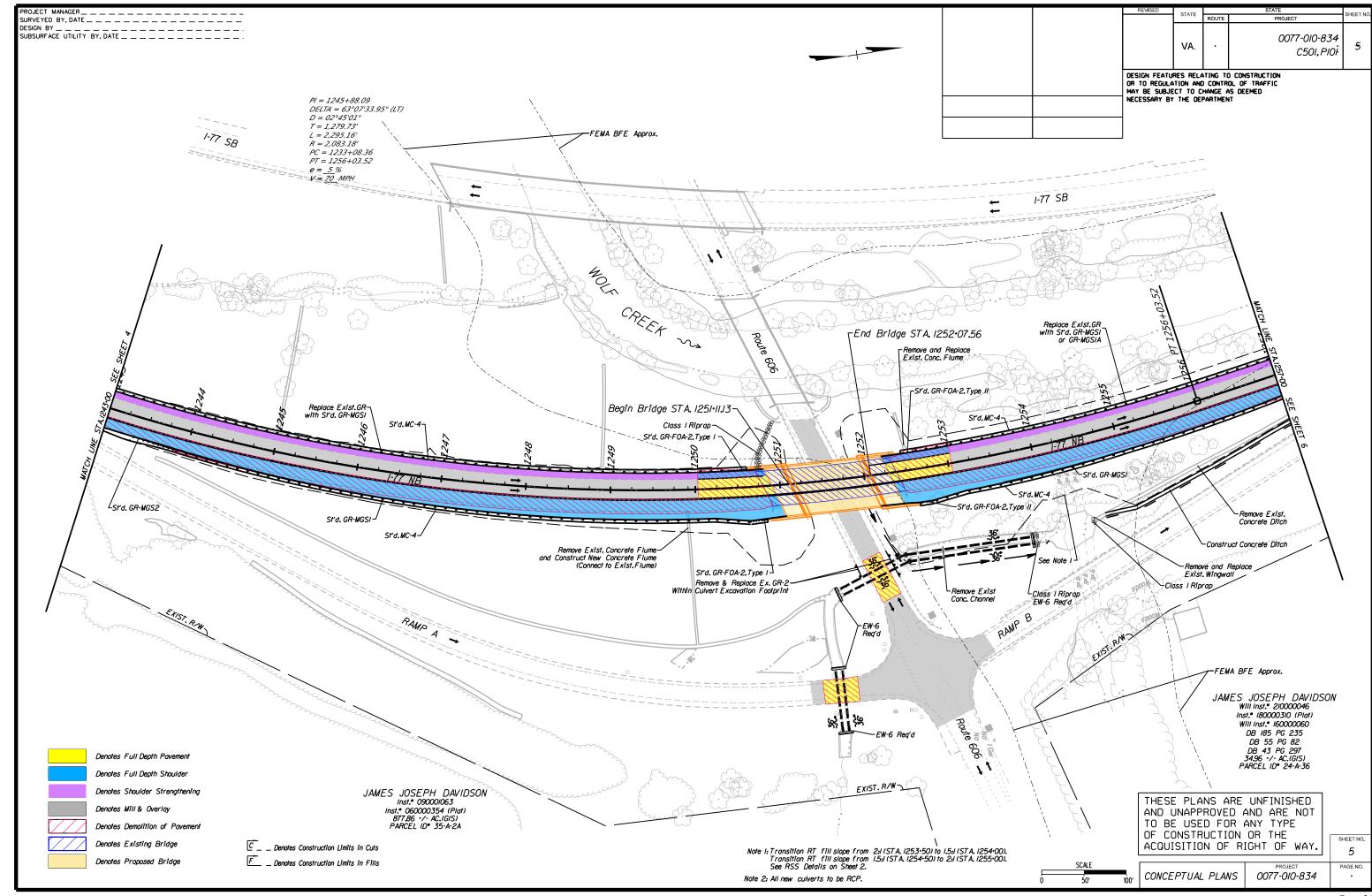
0077-010-834

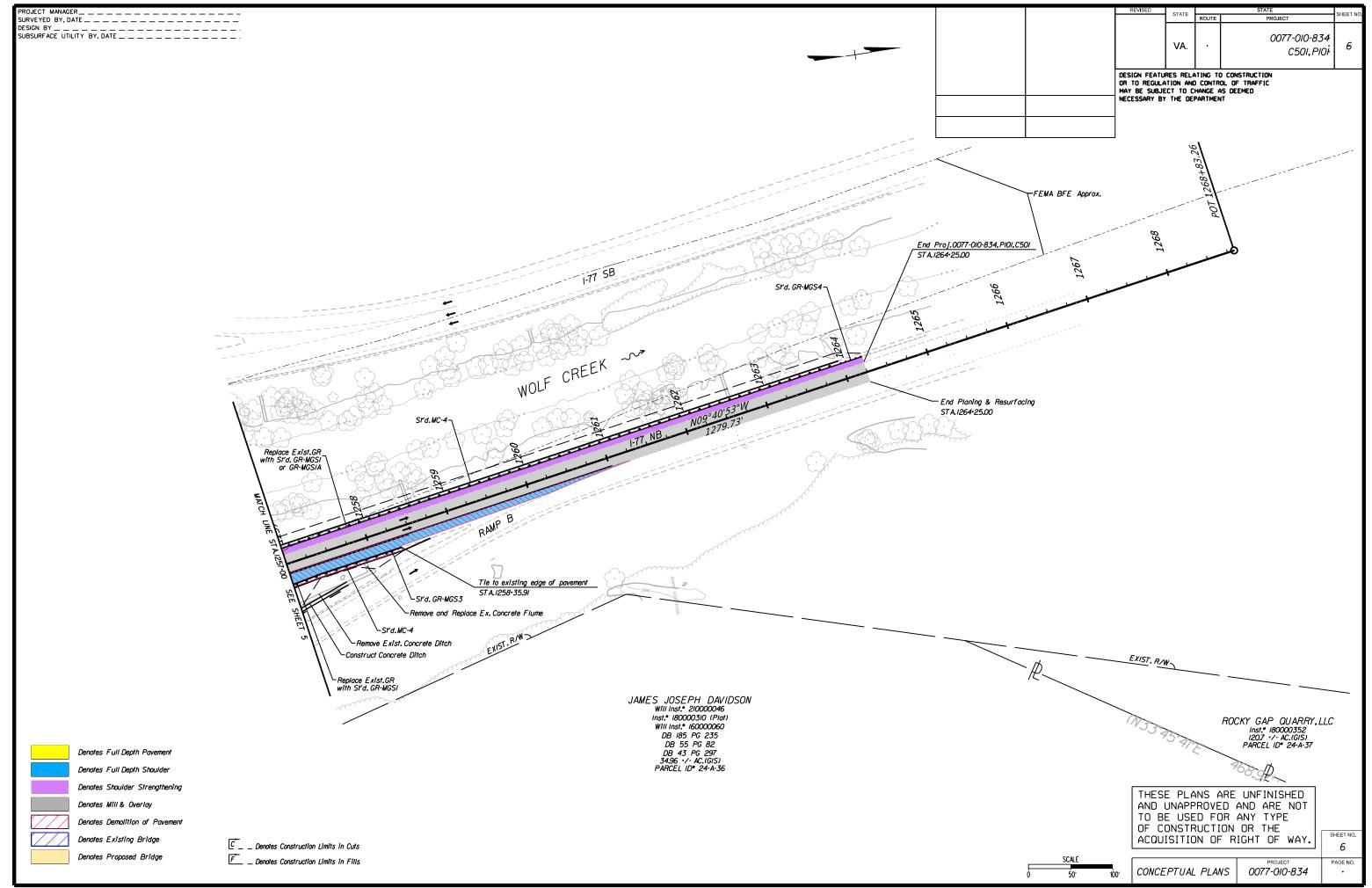
SHEET NO

2 PAGE NO



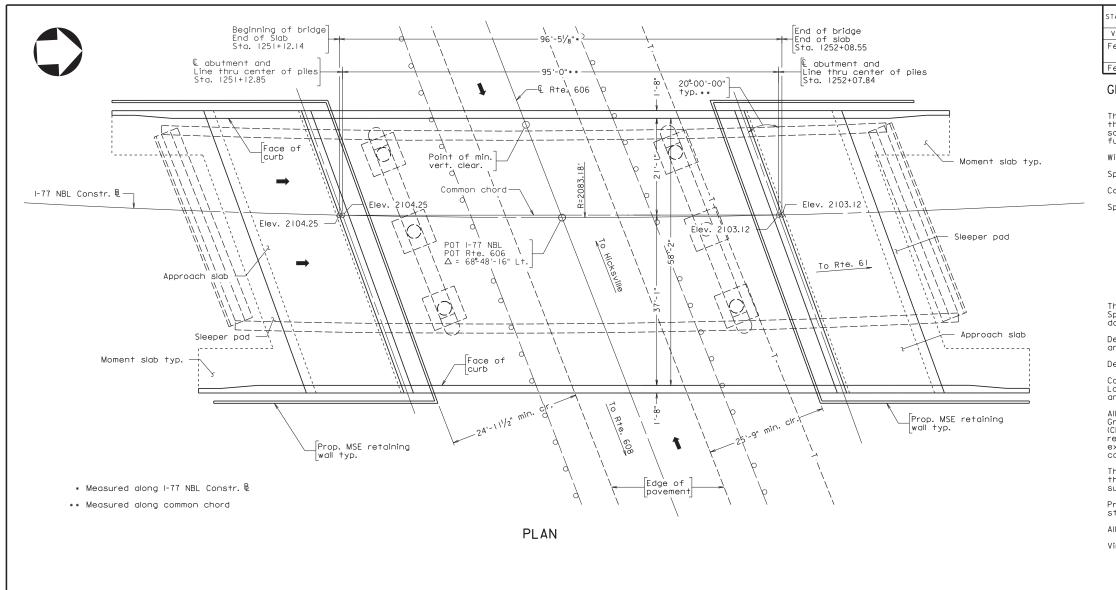








ATTACHMENT 4.2.8 CONCEPTUAL BRIDGE PLANS





#### **GENERAL NOTES:**

The original approved sheet, including original signatures, is filed in the VDOT Central Office. Any misuse of electronic files, including scanned signatures is illegal. Violators will be prosecuted to the full extent of the applicable laws.

Width: 58'-2" face-to-face of curb.

Span layout: 95' prestressed concrete 61" deep bulb tee beam span.

Capacity: HL-93 loading.

#### Specifications:

Construction: Virginia Department of Transportation Road and Bridge Specifications, 2020.

Design: AASHTO LRFD Bridge Design Specifications, 8th Edition, 2017; and VDOT Modifications.

Standards: Virginia Department of Transportation Road and Bridge Standards, 2016; including all current revisions.

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

Design loading includes 20 psf allowance for construction tolerances and construction methods.

Design loading includes 15 psf allowance for future wearing surface.

Concrete in superstructure, parapets, and integral backwalls shall be Low Shrinkage Class A4 Modified in accordance with Section 217.12(a); and in abutments, Class A3.

All reinforcing steel shall be deformed and shall conform to ASTM A615 Grade 60 except for steels noted as Corrosion Resistant Reinforcing (CRR) which shall conform to Section 223 of the Specifications. All reinforcing bar dimensions on the detailed drawings are centers of bars except where otherwise noted and are subject to fabricatio and construction tolerances.

The Class(es) of CRR steel(s) required on this project is/are noted on the plan sheets and in the reinforcing steel schedule. Class III may be substituted for Class I.

Prestressing strands shall be uncoated, seven-wire, low-relaxation steel strands conforming to ASTM A416 Grade 270.

All H-piles shall be ASTM A709 Grade 50 steel.

Virginia Strucure No. of existing bridge is 2023. Plan No. is 185-15.



#### COMMONWEALTH OF VIRGINIA

DEPARTMENT OF TRANSPORTATION PROPOSED BRIDGE REPLACEMENT

I-77 NBL OVER RTE. 606 BLAND COUNTY

2.0 MI. S. OF I-77 NBL OVER RTE. 61 PROJ. 0077-010-834, B644

Recommended for Approval: State Structure and Bridge Engineer Approved: Chief Engineer ORIGINAL SIGNATURES ON TITLE SHEET OF ROAD PLANS XXX-XXDate: January 13, 2023 © 2023, Commonwealth of Virginia Sheet I of 6

96'-51/8"

clearance 17'-2"

Prop. MSE retaining wall typ.

ABUTMENT A

-1.18% Gradient

€ exist. overhead comm. system line to be relocated

Beginning of bridge End of Slab Sta. 1251+12.14

Finished grade

AMT, INC. RICHMOND, VA

OORDINATED

ESIGNED:

Prop. sleeper pad

End of bridge End of slab Sta. 1252+08.55

Int

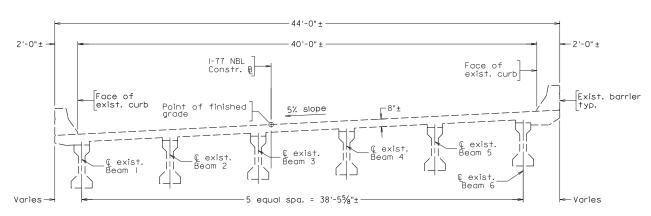
ABUTMENT B

-Finished grade

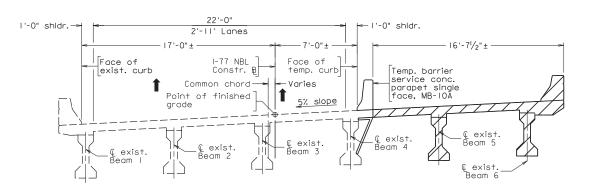
PRELIMINARY PLANS

-Prop. sleeper pad

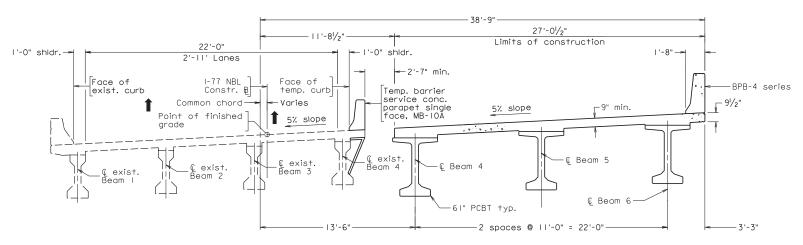
Exist. profile along 1-77 NBL Constr. B



#### EXISTING TRANSVERSE SECTION



#### PHASE I DEMOLITION



PHASE I CONSTRUCTION

PRELIMINARY PLANS
THESE PLANS NOT TO BE USED FOR CONSTRUCTION

© 2023, Commonwealth of Virginia

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

Legend:

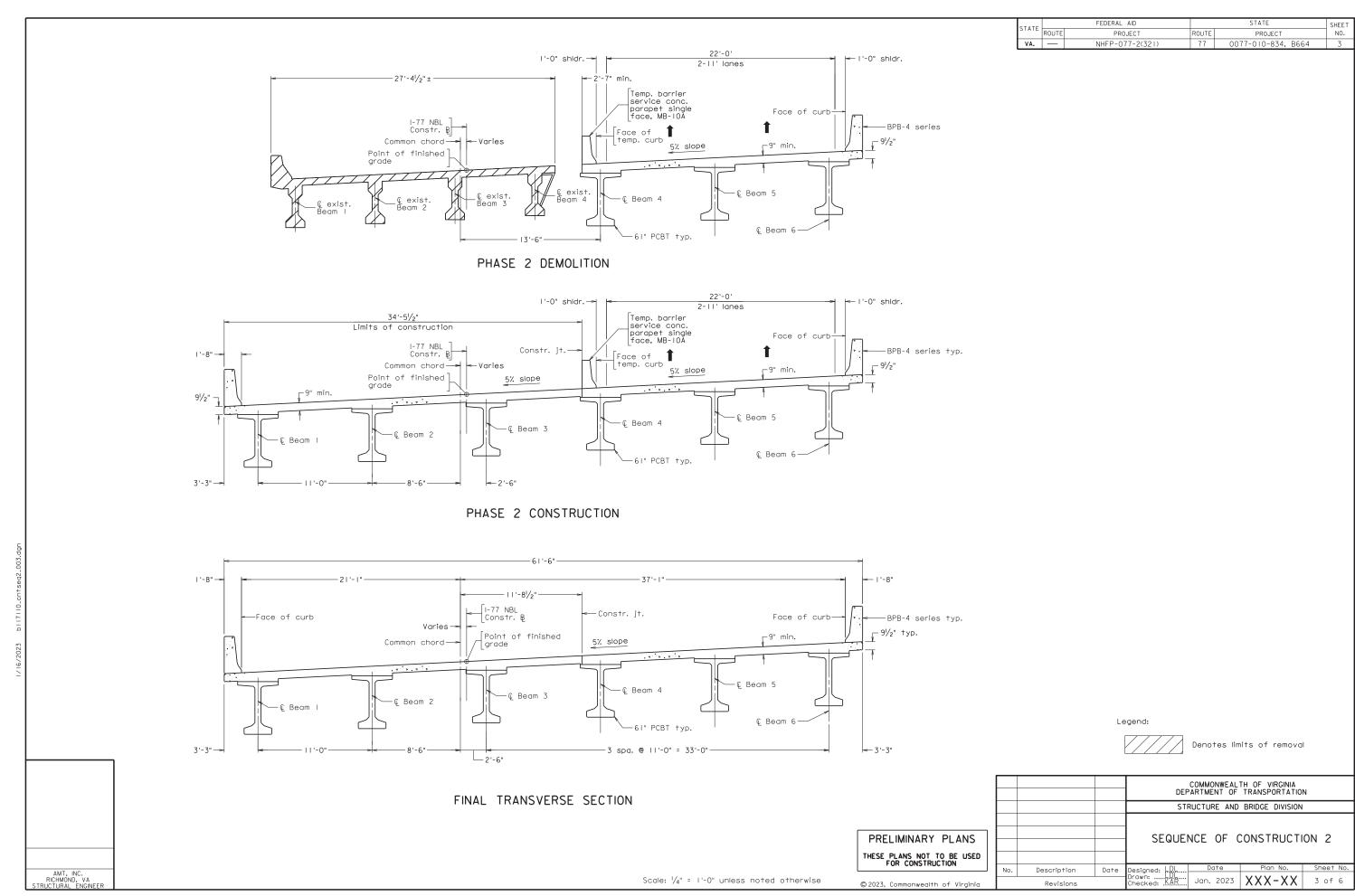
Denotes limits of removal

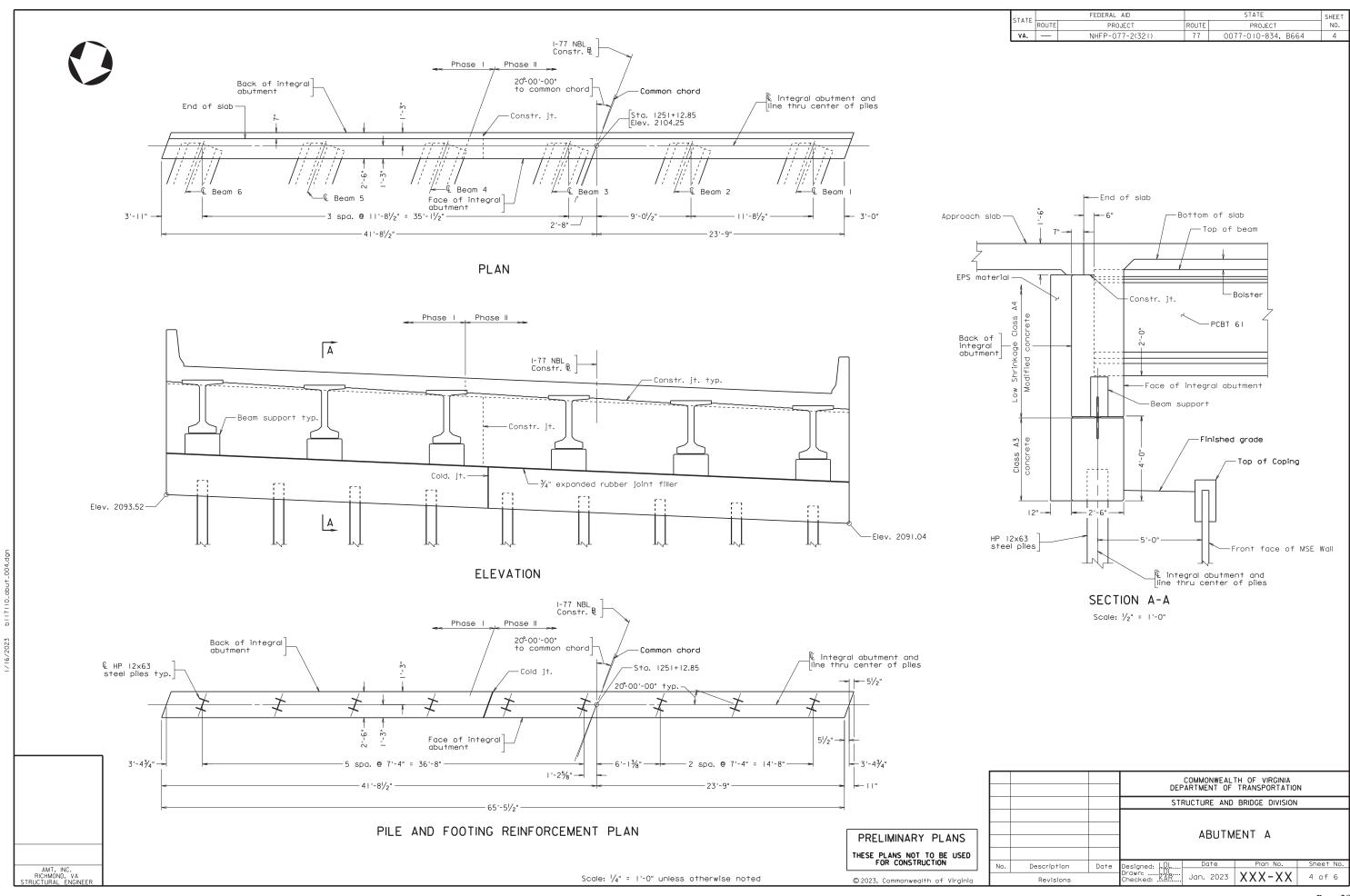
COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION

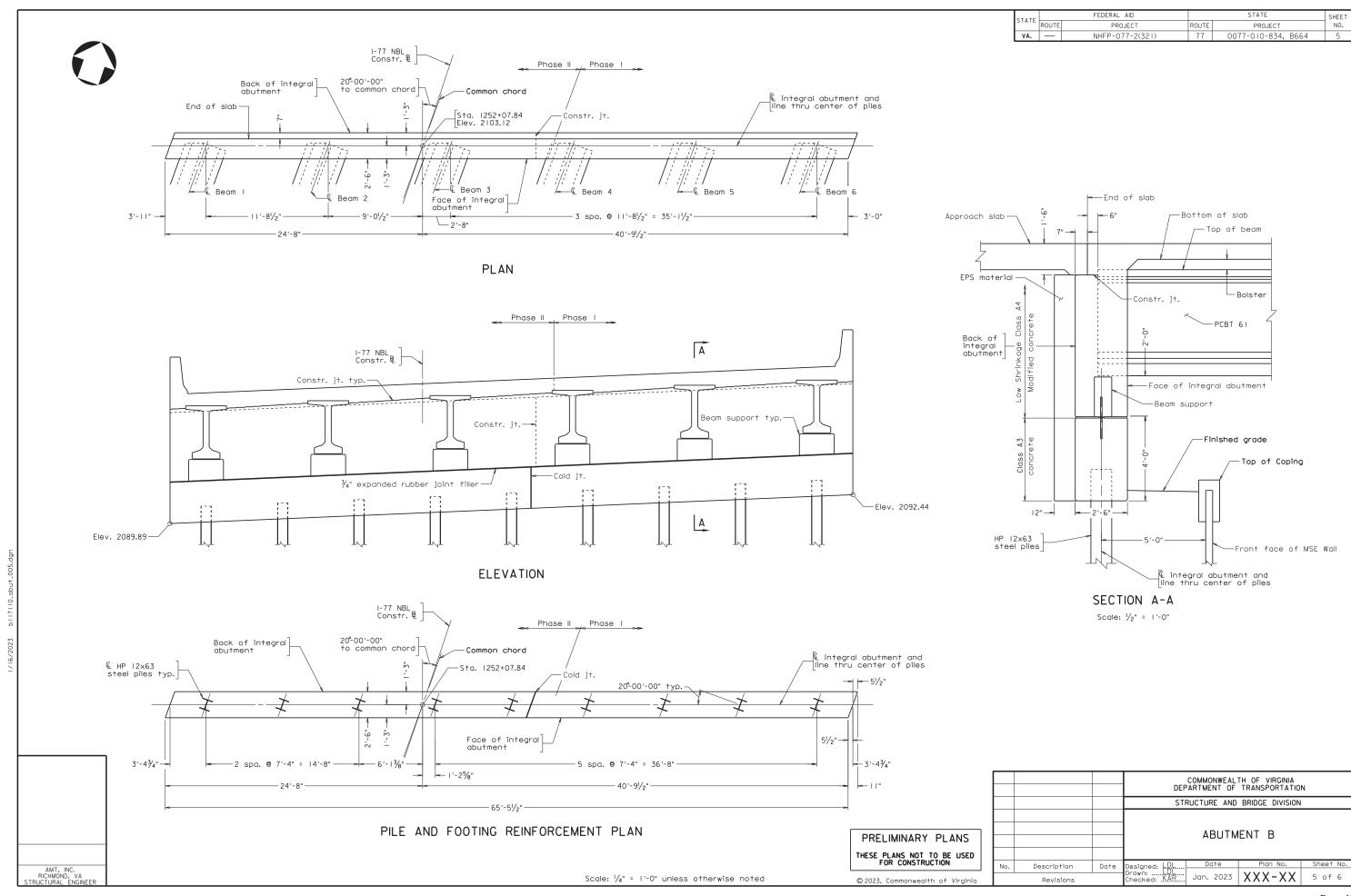
STRUCTURE AND BRIDGE DIVISION

SEQUENCE OF CONSTRUCTION I

No. Description Date Designed: DL. Date Plan No. Sheet No. Drawn: Drawn: Drawn: Jan. 2023 XXX-XX 2 of 6



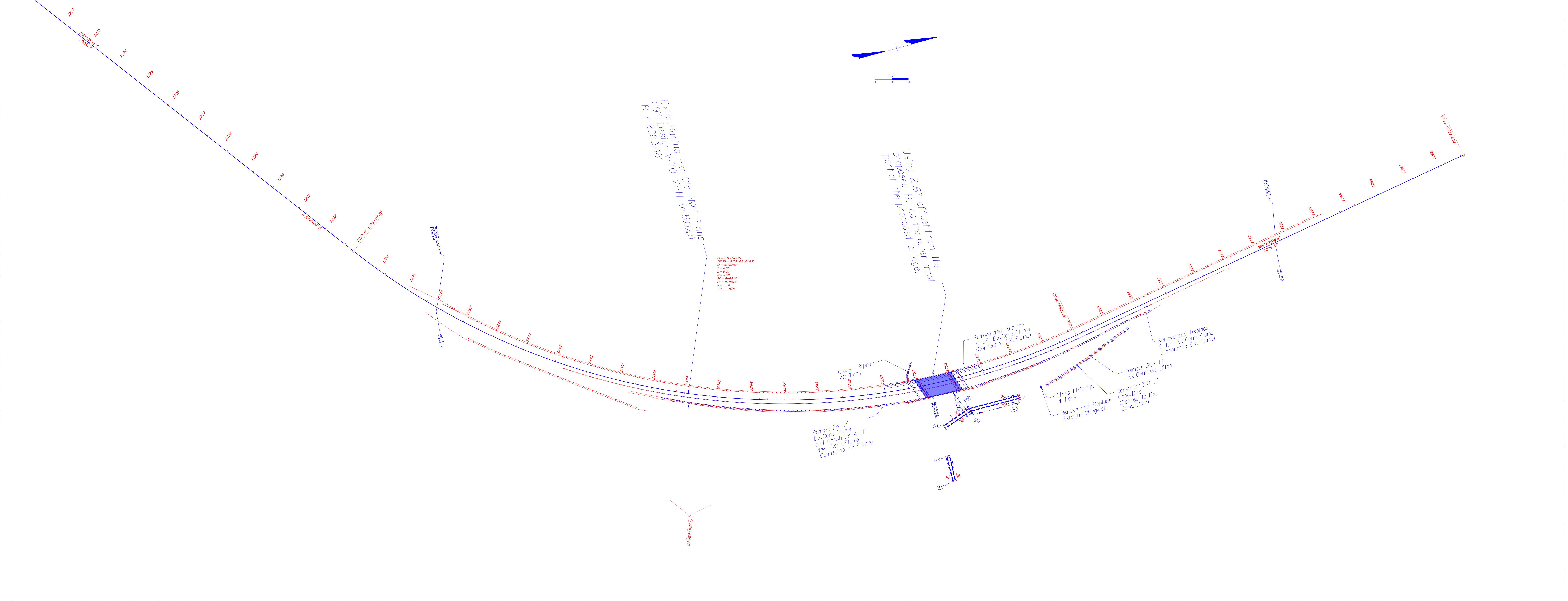




STATE ROUTE FEDERAL AID PROJECT 0077-010-834, B664 NHFP-077-2(321) Notes: The proposed parapets are BPB-4 42" concrete f-shape parapets. — 11'-8<sup>l</sup>/<sub>2</sub>"-Phase II Construction— ←Phase | Construction → Face of curb Face of curb— Common chord-Varies→ ← Construction joint — See Drip Detail typ. Point of finished grade 5% slope 9" min.— € Beam 6--61" PCBT typ. —€ Beam I **---**€ Beam 2 ——€ Beam 3 — 3 spa. @ II'-0" = 33'-0"— 2'-6" TRANSVERSE SECTION COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION STRUCTURE AND BRIDGE DIVISION DRIP DETAIL Scale: 1½" = 1'-0" PRELIMINARY PLANS TRANSVERSE SECTION THESE PLANS NOT TO BE USED FOR CONSTRUCTION Description Scale:  $\frac{3}{8}$ " = 1'-0" unless otherwise shown © 2023, Commonwealth of Virginia

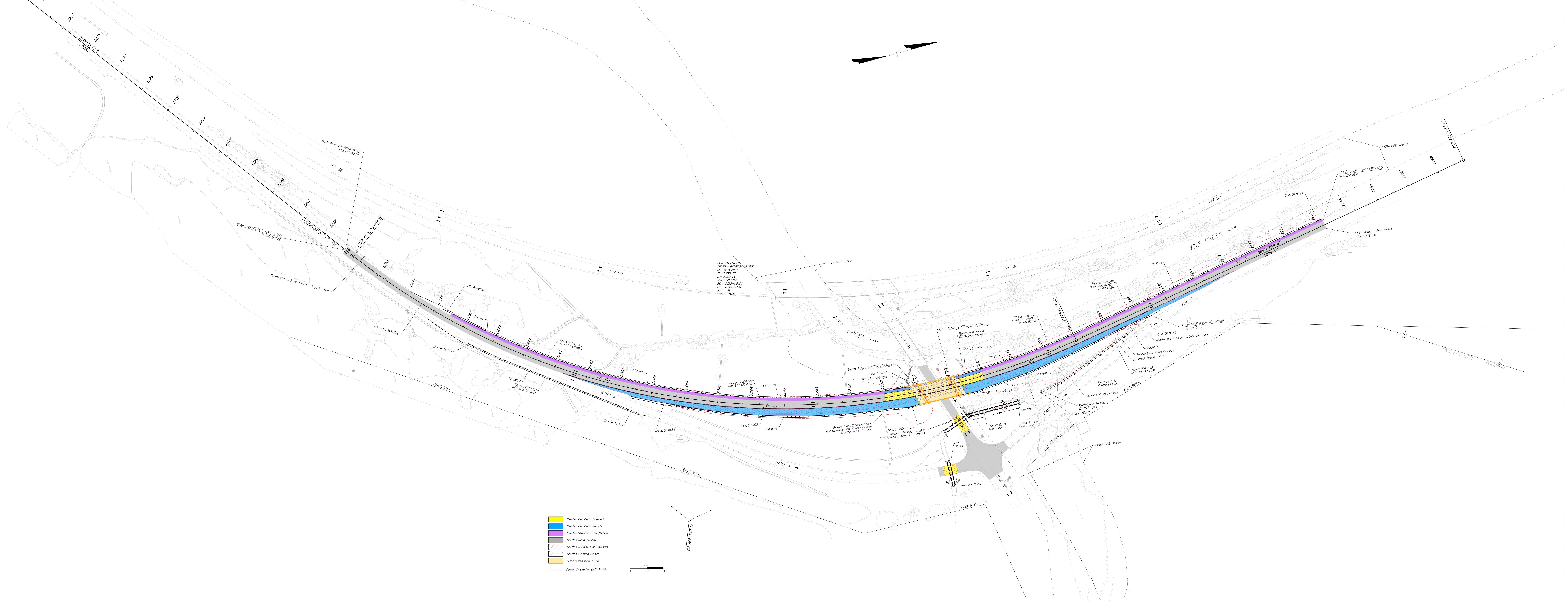


SECTION 6.2.2 FILE 1 (2-LAYER ROLL PLOT)





SECTION 6.2.2 FILE 2 (1-LAYER ROLL PLOT)





**JANUARY 18, 2023** 

Virginia Department of Transportation Contract ID #C00117110DB115

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

Federal Project No.: NHFP-077-2(341)

# I-77 OVER ROUTE 606 BRIDGE REPLACEMENT

A DESIGN-BUILD PROJECT



#### PRICE PROPOSAL

VDOT Alternative Project Delivery Division 1401 East Broad Street Annex Building, 5th Floor Richmond, VA 23219





A DESIGN BUILD TEAM



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:

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

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                       | \$ 1,130,000.  |
|---|----------------|
| Construction Services (exclude QA/QC), LS | \$1,120,000,00 |
| Quality Assurance (QA) (Construction), LS | \$8,735,000.00 |
| Quality Control (QC) (Construction), LS   | \$ 770,000.00  |

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

| Lump Sum (LS): | ELEVEN  | Million | SEVEN | HUNDRED     | FIFTY  |
|----------------|---------|---------|-------|-------------|--------|
| FINE THOUSE    | 100 DOL | IARS    |       | (\$_11,755, | 000.00 |

| Signature:                             | Date: | 01-18-23  |
|--|-------|-----------|
| Design-Builder: <u>ORDERS</u> CONSTRUC | TION  | CO., INC. |
| Vendor No.: DDIT                       |       |           |



ATTACHMENT 4.3.2 SECTION 6.3 EXHIBITS

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 <u>Base Index</u> 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 Tons SM-12.5A x 6.1% x - \$15.00/Ton = - \$6,862.50 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)

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

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

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  |
|       | •                                      |      |       |

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

| 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: <a href="http://www.virginiadot.org/business/const/resource.asp">http://www.virginiadot.org/business/const/resource.asp</a>. 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.

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

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: 01-17-23
Signature: Design-builder: ORNERS CONSTRUCTION CO., INC.

Vendor No.: OD17

### 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.

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

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.

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

Must be supplied with Price Proposal for Department Participation

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

|  | DATE FOR RECEIPT OF PRICE   | CE PROPOS                              |                          |                             | ·                                   |                  |
|--|---|--|--------------------------|-----------------------------|-------------------------------------|------------------|
| Note: All                                | l prices (costs) are to include any<br>rcharge with their cost. All prices  | surcharges o<br>(costs) are F.0        | on materia<br>O.B. from  | ils quoted.<br>the originat | Vendors must<br>ing mill.           | include this     |
| Item<br>Number                           | Item Description  | Quantity                               | Unit                     | Unit<br>Price               | Supplier                            | Date of<br>Quote |
|  |   | 0                                      |                          |                             |                                     |                  |
|  | 7   |  |                          |                             |                                     |                  |
|  | 3   |  |                          |                             |                                     |                  |
|  |   |  |                          |                             |                                     |                  |
|  |   | 97———————————————————————————————————— |                          | ·                           |                                     |                  |
|  | ; <del></del>   |  | -                        |                             |                                     | . ——             |
| th <b>i</b> s form<br>D <b>e</b> sign-Bu | undersigned, understand that by<br>we are declaring our desire to<br>uild Projects to this Price Proposal<br>in the Special Provision For Price | apply the Sp<br>I and contract         | ecial Prov<br>:. The ter | vision For I<br>ms and cor  | Price Adjustme<br>iditions for part | ent for Steel    |
| ORDER                                    | S CONSTRUCTION CO<br>Design-Builder   | O., INC.                               |                          | 0                           | 1-17-23<br>Date                     |                  |

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

Project bid on April 28, 2004.

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

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

\*free on board

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

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

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

Adjustment formula is as follows:

A = B X P X Q

Where; A = Steel price adjustment in lump sum dollars

B = Average weighted price of steel submitted in the Price Proposal for Design-Build project in \$ per pound

P = Adjusted percentage change in PPI average from shipping date to date of submitted Price Proposal minus 10% (0.10) threshold

Q = Total quantity of eligible steel shipped to fabricator in October 2004 for this project in pounds

B = \$0.2816

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

Q = 450,000 lb.

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

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

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

Project bid on April 28, 2004.

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

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

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

A = \$3,801.60 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<br>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                             |
| <b>1354</b> 5          | 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<br>LF | 101706                             |
| 45584                  | 24" JACKED STEEL ENCASEMENT PIPE                         | LF       | 101706<br>101706                   |
| 45592                  | 30" STEEL ENCASE. PIPE<br>REINF. STEEL BRIDGE APPR. SLAB | LB       | 101706                             |
| 60452                  |  | LB       | 101704                             |
| 61700                  | REINF. STEEL<br>CORROSION RESISTANT REINF. STEEL         | LB       | 101704                             |
| 617 <b>04</b><br>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 A700 CR 50                    | LB<br>LB | avg. 1017 & 101<br>avg. 1017 & 101 |
| 68113                  | STR.STEEL ROLLED BEAM ASTM A700 CR 50/4/                 | LB       | avg. 1017 & 101<br>avg. 1017 & 101 |
| 68114                  | STR.STEEL ROLLED BEAM ASTM A709 GR. 50W                  | LB       | avg. 1017 & 101<br>avg. 1017 & 101 |
| 68115                  | STRUCT, STEEL  BEINE STEEL BRIDGE ABBR SLAB              | LB       | 1017 & 101<br>101704               |
| 68270<br>60060         | REINF. STEEL BRIDGE APPR. SLAB                           | SF       | avg. 1017 & 101                    |
| 69060                  | SHEET PILES, STEEL                                       | Si       | avy. 101/ & 101                    |

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: 01-17-23

Signature: 23

Design-Builder: ORDERS CONSTRUCTION CO., INC.

Vendor No.: 0017



ATTACHMENT 4.3.4 PROPOSAL GUARANTY FORM C-24

## COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION PROPOSAL GUARANTY

|                     |   | 18th                      |   | Ianuary  | 23                       |
|---------------------|---|---------------------------|---|--|--------------------------|
| SIGNED, sealed a    | and dated this  | Tour                      | Day of                                    | Januar y   | , 20                     |
| WHEREAS, the a      |   | al is herewith submitti   |   |  |                          |
| PROJECT NUMB        | J_14.   | ect No.: 0077-010-834, P  |   |  |                          |
|                     | Federal Pr  | roject No.: NHFP-077-2(3  | 341)                                      |  |                          |
|                     |   |                           |   | sa nanal aum ha  |                          |
| Orders Construction |   | ; but in no event shall t | By:  Kimberly L. Miles One Hillcrest Dr E | (Surety Company) (Attorney-in-Fact**)                              | and Albarian (Seal)      |
| By: On Construction | (Principal*)  (Principal*)  ficer, Partner or Owner  (Principal*) | r) (Seal)                 | By: Kimberly L. Miles                     | (Surety Company) (Attorney-in-Fact**) Suite 300, Charle            | (Seal) Ston, WV 25211    |
| By: On Construction | (Principal*)  (Principal*)  ficer, Partner or Owner  (Principal*) | r) (Seal)                 | By:  Kimberly L. Miles One Hillcrest Dr E | (Autoriey-in-Fact*) Suite 300, Charles (Address)                   | (Seal) Ston, WV 25211    |
| By: On Construction | (Principal*) (Principal*) (Principal*) (Principal*) (Principal*)  | r) (Seal)                 | By:  Kimberly L. Miles One Hillcrest Dr E | (Autoriey-in-Fact*) Suite 300, Charles (Address)                   | (Seal) Ston, WV-25311 W  |
| By: CANVARONIES     | (Principal*) (Principal*) (Principal*) (Principal*)               | r) (Seal)                 | By:  Kimberly L. Miles One Hillcrest Dr E | (Surety Company) (Attorney-in-Fact**) Suite 300, Charles (Address) | (Seal) Ston, WV-25311 WS |

\*\*Attach copy of Power of Attorney

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

KNOW ALL MEN BY THESE PRESENTS: That the ZURICH AMERICAN INSURANCE COMPANY, a corporation of the State of New York, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, a corporation of the State of Illinois, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND a corporation of the State of Illinois (herein collectively called the "Companies"), by Robert D. Murray, Vice President, in pursuance of authority granted by Article V, Section 8, of the By-Laws of said Companies, which are set forth on the reverse side hereof and are hereby certified to be in full force and effect on the date hereof, do hereby nominate, constitute, and appoint Andrew K. TEETER, Jaime L. CARPENTER, Kimberly L. MILES, Douglas P. TAYLOR and Tammy S. SELBE, all of Charleston, West Virginia, EACH, its true and lawful agent and Attorney-in-Fact, to make, execute, seal and deliver, for, and on its behalf as surety, and as its act and deed: any and all bonds and undertakings, and the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Companies, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the ZURICH AMERICAN INSURANCE COMPANY at its office in New York, New York., the regularly elected officers of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at its office in Owings Mills, Maryland, and the regularly elected officers of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at its office in Owings Mills, Maryland, in their own proper persons.

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

IN WITNESS WHEREOF, the said Vice-President has hereunto subscribed his/her names and affixed the Corporate Seals of the said ZURICH AMERICAN INSURANCE COMPANY, COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and FIDELITY AND DEPOSIT COMPANY OF MARYLAND, this 1st day of August, A.D. 2019.







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

By: Robert D. Murray
Vice President

Dawn & Brown

By: Dawn E. Brown Secretary

State of Maryland County of Baltimore

On this 1st day of August, A.D. 2019, before the subscriber, a Notary Public of the State of Maryland, duly commissioned and qualified, Robert D. Murray, Vice President and Dawn E. Brown, Secretary of the Companies, to me personally known to be the individuals and officers described in and who executed the preceding instrument, and acknowledged the execution of same, and being by me duly sworn, deposeth and saith, that he/she is the said officer of the Company aforesaid, and that the seals affixed to the preceding instrument are the Corporate Seals of said Companies, and that the said Corporate Seals and the signature as such officer were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporations.

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

opara samula sam

Constance A. Dunn, Notary Public My Commission Expires: July 9, 2023

onstance a. Dunn

#### **EXTRACT FROM BY-LAWS OF THE COMPANIES**

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

#### **CERTIFICATE**

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

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

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

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

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

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seals of the said Companies, this 18th day of January , 2023 .







Bv:

Brian M. Hodges Vice President

Buen Hodges

TO REPORT A CLAIM WITH REGARD TO A SURETY BOND, PLEASE SUBMIT A COMPLETE DESCRIPTION OF THE CLAIM INCLUDING THE PRINCIPAL ON THE BOND, THE BOND NUMBER, AND YOUR CONTACT INFORMATION TO:

Zurich Surety Claims 1299 Zurich Way Schaumburg, IL 60196-1056 www.reportsfelaims@zurichna.com 800-626-4577



### **Bid Bond in Accordance with Contract Specifications**

SVA01093901

Orders Construction Company, Inc.

Dead Number

Principal Number

P.O. Box 1448, St. Albans, WV, 25177, US

Principal Address

Principal Classics

Virginia Dept. of Transportation

1401 E. Broad Street, Richmond, VA, 23219, US

CimayChiliano Numo

Cinas Chilgro Address

Real Information

01-18-2023

Fidelity and Deposit Company of Maryland

0017

Contractor Vincles D Humber

C00117110DB115

Custost D Number

I-77 over Rt 606 Bridge Rehabilitation, Bland County, State Proj No. 0077-010-834, P101, C501, B644, Federal Project No. NHFP-077-2(341)

Decembries of July

Five percent of amount bid

5%

Amount of the Stormey

سنطمال بالسمع الت

Mil Secully Persentati

Kimberly Miles

Attorney-in-Fact

**USI Insurance Services LLC** 

Palmany Agency

All the state of t

Fidelity and Deposit Company of M

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ATTACHMENTS 4.3.4(A) AND (B) SWORN STATEMENT FORMS C-104 AND C-105

### 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 <u>EITHER</u> BY SIGNING THE AFFIDAVIT AND HA VING IT NOTARIZED <u>OR</u> 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 Wythe County   | _ , this <u>17th</u> day of <u>January</u>   | _ ,20 _23             |  |  |  |  |  |
|--|--|-----------------------|--|--|--|--|--|
| County (City), STATE   | 00   | Λ .                   |  |  |  |  |  |
| Orders Construction Co., Inc. By:  | Mach   | PRESIDENT             |  |  |  |  |  |
| (Name of Firm)   |  | (print)               |  |  |  |  |  |
| STATE of Virginia Co   | OUNTY (CITY) ofWythe County  |                       |  |  |  |  |  |
| To-v   | vit:   |                       |  |  |  |  |  |
| Cheri C. George  | ,a Notary Public in and for the  | e State and           |  |  |  |  |  |
| County(City) aforesaid, hereby certify that this day No.   | athaniel Orders  |                       |  |  |  |  |  |
| 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 sworp to before me this 17th  | day of January ,   | 20 23                 |  |  |  |  |  |
| Coker Co. George   | My Commission expires August 31,   | 2023                  |  |  |  |  |  |
| Notary Public  |  |                       |  |  |  |  |  |
| OR<br>LINGWORN DEC   |  |                       |  |  |  |  |  |
| UNSWORN DEC  | CLARATION  |                       |  |  |  |  |  |
| The undersigned is duly authorized by the bidder to n submitted on behalf of the bidder for contracts to be let be                                 | nake the foregoin <mark>g statement to</mark> be fil<br>y the Commonwealth Transportation Bo | ed with bids<br>pard. |  |  |  |  |  |
| Signed atCounty (City), STATE  | _ , this day of  | _ , 20                |  |  |  |  |  |
| By:  |  |                       |  |  |  |  |  |
| (Name of Firm)   | (Signature) Title  | (print)               |  |  |  |  |  |

CHERI C. GEORGE NOTARY PUBLIC Commonwealth of Virginia Reg. #172621 My Commission Expires August 31, 2023

Form C-105 Rev. 7-13-05

## COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION AFFIDAVIT

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

NAME

FHWA: NHFP-077-2(341)

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

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

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

Location of Principal Office

|    | VTCA   | Richmond, VA  |
|----|--|---|
|    |  |   |
| 2. | subject to the equal opportunity clause 11246, and that I/We have, have the Director of the Office of Feder contracting or administering agency, | participated in a previous contract or subcontract, as required by Executive Orders 10925, 11114, or e not, filed with the joint Reporting Committee, al Contract Compliance, a Federal Government or the former President's Committee on Equal e under the applicable filing requirements. |
|    | Regulations of the Secretary of Labor bidders and proposed subcontractors which are subject to the equal opportu                                 | required by the Equal Employment Opportunity [41 CFR 60-1.7(b)(1)], and must be submitted by only in connection with contracts and subcontracts unity clause. Contracts and subcontracts which are use are set forth in 41 CFR 60-1.5. (Generally only under are exempt.)                   |
|    | Currently, Standard Form 100 (EEO-1) or their implementing regulations.  | is the only report required by the Executive Orders   |

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)

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- 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 Wythe County Virginia  |          | , this       |                  | January             | _ , 20    | 23      |
|--|----------|--------------|------------------|---------------------|-----------|---------|
| County (City), STA   | ΛTE      |              | 2 (              | 7                   | Λ         |         |
| Orders Construction Co., Inc.  | By:      | 11           | 1100             | 1-                  | PR        | ESIDENT |
| (Name of Firm)   |          | (Si          | gnature)         | Title               | (print)   |         |
| STATE of Virginia  |          | COUNTY       | (CITY) of Wy     | the                 |           |         |
| -  | _ To     | -wit:        |                  |                     |           |         |
| Cheri C. George  |          |              | ຸ, a Notary Pub  | olic in and for the | e State a | and     |
| County(City) aforesaid, hereby certify that                                      | this day | Nathaniel    | Orders           |                     |           |         |
| personally appeared before me and made and that such statements are true and cor |          | e is duly au | ıthorized to mak | ce the above sta    | itements  | 3       |
| Subscribed and sworn to before me this   | 17th     | day of       | January          |                     | 20 23     | 3       |
| Their G. Grange  |          | My Co        | mmission expire  | es August 31        | , 2023    |         |
| Notary Public  |          |              |                  |                     |           |         |

CHERI C. GEORGE NOTARY PUBLIC Commonwealth of Virginia Reg. #172621 My Commission Expires August 31, 2023