

# I-81 MM 48 Northbound Acceleration Lane Extension

Design-Build Project • Smyth County, VA

State Project No.: 0081-086-834 PE101, C501  
Federal Project No.: NHPP-081-1(367)  
Contract ID Number: C00116161DB110

Request for Proposal  
**VOLUME I**

Congressman  
William Wampler, Sr  
Memorial Highway

SUBMITTED TO



SUBMITTED BY



IN ASSOCIATION WITH



SUBMITTED April 12, 2021

**ATTACHMENT 4.0.1.1**

**I-81 MM 48 Northbound Acceleration Lane Extension**

**LETTER OF SUBMITTAL CHECKLIST AND CONTENTS**

Offerors shall furnish a copy of this Letter of Submittal Checklist, with the page references added, with the Letter of Submittal.

<b>Letter of Submittal Component</b>	<b>Form (if any)</b>	<b>RFP Part 1 Cross Reference</b>	<b>Page Reference</b>
<b>Letter of Submittal Checklist and Contents</b>	Attachment 4.0.1.1	Section 4.0.1.1	1 - 2
<b>Acknowledgement of RFP, Revisions, and/or Addenda</b>	Attachment 3.2 (Form C-78-RFP)	Sections 3.2; 4.0.1.1	3
<b>Letter of Submittal</b>	NA	Sections 4.1	4
Letter of Submittal on Offeror's letterhead	NA	Section 4.1.1	4
Offeror's full legal name and address	NA	Section 4.1.1	4
Authorized representative's original signature	NA	Section 4.1.1	6
Declaration of intent	NA	Section 4.1.2	4
120 day declaration	NA	Section 4.1.3	4
Point of Contact information	NA	Section 4.1.4	5
Principal Officer information	NA	Section 4.1.5	5
Offeror's Corporate Structure	NA	Section 4.1.6	5
Full Legal Name of Lead Contractor, Lead Designer, and QAM	NA	Section 4.1.7	5
Offeror's VDOT prequalification information	NA	Section 4.1.8	5
DBE statement confirming Offeror is committed to achieving the required DBE goal	NA	Section 4.1.9	5
Final Completion Date	NA	Section 4.1.10	5

**ATTACHMENT 4.0.1.1**

**I-81 MM 48 Northbound Acceleration Lane Extension**

**LETTER OF SUBMITTAL CHECKLIST AND CONTENTS**

<b>Letter of Submittal Component</b>	<b>Form (if any)</b>	<b>RFP Part 1 Cross Reference</b>	<b>Page Reference</b>
<b>Attachments to the Letter of Submittal</b>	NA	Section 4.2	
Affiliated and/ or Subsidiary Companies	Attachment 4.2.1	Section 4.2.1	7
Certification Regarding Debarment Forms	Attachment 4.2.2(a) Attachment 4.2.2(b)	Section 4.2.2	8 - 10
Offeror's VDOT prequalification information	NA	Section 4.2.3	11
Evidence of obtaining bonding	NA	Section 4.2.4	12
Full size copies of DPOR licenses and SCC registrations	NA	Section 4.2.5	14 - 27
SCC registration information - businesses	Attachment 4.2.5	Section 4.2.5.1	13
DPOR registration information - businesses	Attachment 4.2.5	Section 4.2.5.2	13
Lead Contractor Work History Form	Attachment 4.2.6(a)	Section 4.2.6	28 - 30
Lead Designer Work History Form	Attachment 4.2.6(b)	Section 4.2.6	31 - 33
Conceptual Roadway Plans	NA	Section 4.2.7	
Conceptual Roadway Plans File 1 Layered pdf	NA	Section 4.2.7	1 - 59
Conceptual Roadway Plans File 2 Layered pdf	NA	Section 4.2.7	1 - 59

**ATTACHMENT 3.2**

**COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION**

**I-81 MM 48 Northbound Acceleration Lane Extension Design-Build Project**

RFP NO. C00116161DB110  
PROJECT NO.: 0081-086-834 PE101, C501

**ACKNOWLEDGEMENT OF RFP, REVISION AND/OR ADDENDA**

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

By signing this Attachment 3.2, the Offeror acknowledges receipt of the RFP and/or following revisions and/or addenda to the RFP for the above designated project which were issued under cover letter(s) of the date(s) shown hereon:

- 1. Cover letter of RFP – January 28, 2021  
*(Date)*
- 2. Cover letter of Addendum No. 1 – February 5, 2021  
*(Date)*
- 3. Cover letter of Addendum No. 2 – March 8, 2021  
*(Date)*
- 4. Cover letter of Addendum No. 3 – March 18, 2021  
*(Date)*
- 5. Cover letter of Addendum No. 4 – March 25, 2021



SIGNATURE

3/31/2021

DATE



Excavating • Demolition • Concrete • Paving • Drilling & Blasting • Crane

Virginia Class A Contractor License #2701 031920A  
Classifications in Highway and Heavy  
West Virginia Contractor License #WV036538

April 12, 2021

Jeffrey A. Roby, DBIA Alternative  
Project Delivery Division Virginia  
Department of Transportation 1401  
East Broad Street  
Richmond, VA 23219

**RE: Letter of Submittal | Design Build | I-81 MM 48 Northbound Acceleration Extension  
Smyth County, VA State Project No.: 0081-086-834, PE101, C501  
Federal Project No.: NHPP-081-1(367)  
Contract ID Number: C00116161DB110**

Dear Mr. Roby:

*A & J Development and Excavation, Inc.* as the Offeror, is pleased to submit to the Virginia Department of Transportation (VDOT) this Letter of Submittal for the above-referenced design-build Project. The A & J team offers committed highly qualified professionals with the necessary expertise to successfully meet the goals and objectives of this project. The A & J team has thoroughly reviewed the RFP documents along with attending project development meetings and visiting the project site multiple times. We acknowledge receipt of the Request for Proposal dated January 28, 2021 and revised by Addendum No.1 dated February 5, 2021, Addendum No.2 dated March 8, 2021, Addendum No.3 dated March 18, 2021 for the above-referenced project.

#### **Submittal Requirements**

The A & J Development and Excavation, Inc. Team (A&J Team) submits the information below as detailed in Section 4.1 of the Request for Qualifications:

#### **4.1 Letter of Submittal**

**4.1.1** A & J Development and Excavation, Inc.  
425 Cecil Wampler Road  
Mt. Crawford, VA 22841

**4.1.2** A & J Development & Excavation, if selected, will enter into a contract with VDOT for the Project in accordance with the terms of this RFP.

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

**4.1.4** The contact information for Eric Hinkle (DBPM) who is responsible for the oversight of the entire A&J Team and will be the primary point of contact with VDOT is as follows:

<b>Eric Hinkle, Assistant General Manager</b>	540.433.4921 (Office)
425 Cecil Wampler Rd.	540.271.0142 (Mobile)
Mt. Crawford, VA 22841	<a href="mailto:eric@teamaandj.com">eric@teamaandj.com</a>

**4.1.5** The principal officer of A&J with whom a D/B contract with VDOT would be written is the following:

<b>Rick Raines, Vice President</b>	540.433-4921 (Office)
425 Cecil Wampler Rd.	540.578-3828 (Mobile)
Mt. Crawford, VA 22841	<a href="mailto:rick@teamaandj.com">rick@teamaandj.com</a>

**4.1.6** A & J Development and Excavation, Inc. is a registered Corporation the Commonwealth of Virginia and will take financial responsibility for the project. A single 100% performance bond and a single 100% payment bond shall be provided.

**4.1.7** A & J Development and Excavation, Inc. will be the Lead Contractor and as the Offeror will serve as the prime /general contractor responsible for the overall construction of the Project and will serve as the legal entity who will execute the Contract with VDOT. The Lead Designer, is E. L. Robinson Engineering Co. as the prime design consulting firm responsible for the overall design of this Project. The Quality Assurance firm proposed by the Offeror for this Project will be Mead & Hunt.

**4.1.8** A&J is active, in good standing and prequalified to bid on the Project. A&J's State the Offeror's VDOT prequalification number is A671 and evidence of prequalification is included in Appendix 4.2.3.

**4.1.9** The A&J Team is committed to achieving a ten percent (10%) DBE participation goal for the entire value of the contract.

**4.1.10** The A&J Team proposes a Final Completion Date of July 25, 2022 in accordance with Part 1, Section 2.3.1. An earlier Final Completion date will be deemed by VDOT as the contractual completion date for the Design-Build Contract for all purposes, including liquidated damages in accordance with Part 3, Section 5.5.

The A&J Team appreciates the opportunity to submit the Letter of Submittal. We are confident that the Team will deliver this project for VDOT and stakeholders that meet safety, quality, and schedule demands of this project.

Sincerely,  
A & J Development & Excavation Inc,



Eric C. Hinkle  
**Assistant General Manager**

#### Attachments

- 4.2.1 Full legal name and address of all affiliated and /or subsidiary companies
- 4.2.2 Certification Regarding Debarment
- 4.2.3 Copy of the current listing of the Firm's prequalification posted on VDOT's website
- 4.2.4 letter from a surety or insurance company
- 4.2.5 All business entities on the Offeror's proposed team
- 4.2.6 Work History Forms \_ Lead Contractor & Lead Designer
- 4.2.7 Conceptual Roadway Plans





**ATTACHMENT 4.2.2(b)**

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

**I-81 MM 48 Northbound Acceleration Lane Extension**

**Project No.: 0081-086-834 PE101, C501**

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

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



\_\_\_\_\_  
Signature

3/22/2021

\_\_\_\_\_  
Date

Virginia Operations Manager

\_\_\_\_\_  
Title

E. L. Robinson Engineering Co.

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

ATTACHMENT 4.2.2(b)

CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS

I-81 MM 48 Northbound Acceleration Lane Extension

**Project No.: 0081-086-834 PE101, C501**

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

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

<u>Jan A. Brugnara</u>	<u>3-23-2021</u>	<u>Vice President</u>
Signature	Date	Title

Mead and Hunt, Inc.

Name of Firm

**Vendor ID:** A671

**Vendor Name:** A & J DEVELOPMENT AND EXCAVATION, INC.

**Prequal Level:** Prequalified

**Prequal Exp:** 01/31/2022

**-- PREQ Address --**

425 CECIL WAMPLER ROAD

MT. CRAWFORD, VA 22841

Phone: (540)433-4921

Fax: (540)433-5053

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

002 - GRADING

004 - ASPHALT CONCRETE PAVING

005 - DRAINAGE STRUCTURES

006 - PORTLAND CEMENT CONCRETE PAVING

045 - UNDERGROUND UTILITIES

**Bus. Contact:** RAINES, RICHARD MARK

**Email:** RICK@TEAMAANDJ.COM

**-- DBE Information --**

**DBE Type:** N/A

**DBE Contact:** N/A



UNDERSTAND. SERVICE. INNOVATE.

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

March 23, 2021

Jeffrey A. Roby, PE, DBIA  
Alternate Project Delivery Division  
Virginia Department of Transportation  
1401 East Broad Street  
Richmond, VA 23219

**RE: A&J Development and Excavation, Inc.  
Mount Crawford, VA**

**Project: I-81, Exit 48 North Bound Acceleration Lane Extension  
Design Build Project  
Smyth County/Town of Marion, Virginia  
RFQ: C00116161DB110  
State Project No.: 0081-086-834 PE101, C501**

Dear Mr. Roby:

A&J Development and Excavation, Inc. (A&J) has made me aware of their desire to bid on the subject project on March 31, 2021. A&J is capable of obtaining a bond for a project of this magnitude. If A&J is the successful bidder and enters into a contract to construct this project, we will, according to the terms and conditions of the required bid bond, issue the the 100% performance and 100% labor and material payment bonds to warrant the integrity of this design-build project including the warranty period.

A&J's surety credit is underwritten through Liberty Mutual Surety. Liberty is licensed to do business in the Commonwealth of VA, has an "A, 15" Best Rating, and a Treasury Listing in excess of \$290 million. A&J's current program with Liberty is in the \$25 million single project and \$50 million aggregate range. And, there is currently plenty of capacity in A&J's work program to accommodate this work.

This letter is intended for reference purposes. It should not be construed as a replacement for the required bid bond. And, any formal and specific bond approvals will be based on current and pertinent underwriting factors at the time the request.

If you would like to discuss this matter further, please feel free to contact me at 304-347-0666. Thank you for your positive consideration.

Sincerely,

*Douglas P. Taylor*

Douglas P. Taylor  
Senior Vice President

## ATTACHMENT 4.2.5

### I-81 MM 48 Northbound Acceleration Lane Extension

#### State Project No. 0081-086-834 PE101, C501

#### 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.

<b>SCC &amp; DPOR INFORMATION FOR BUSINESSES (RFP Sections 4.2.5.1 and 4.2.5.2)</b>							
<b>Business Name</b>	<b>SCC Information (4.2.5.1)</b>			<b>DPOR Information (4.2.5.2)</b>			
	<b>SCC Number</b>	<b>SCC Type of Corporation</b>	<b>SCC Status</b>	<b>DPOR Registered Address</b>	<b>DPOR Registration Type</b>	<b>DPOR Registration Number</b>	<b>DPOR Expiration Date</b>
A & J Development and Excavation, Inc.	02744811	Stock Corporation	Active	425 Cecil Wampler Rd Mt Crawford, VA 22841	Contractor Class A	2701031920	05-31-2022
E. L. Robinson Engineering Co.	F2104455	Stock Corporation	Active	5088 Washington St. West Charleston, WV 25313	Business Entity	0407004252	12-31-2021
E. L. Robinson Engineering Co.	F2104455	Stock Corporation	Active	4140 Pleasant Valley Road Suite 101 Chantilly, VA 20150	Branch Office	0411001550	02-28-2022
E. L. Robinson Engineering Co.	F2104455	Stock Corporation	Active	93 Virginia St Beckley, WV 25801	Branch Office	0411001574	02-28-2022
E. L. Robinson Engineering Co.	F2104455	Stock Corporation	Active	3363 Six Forks Rd Raleigh, NC 27609	Branch Office	0411001504	02-28-2022
E. L. Robinson Engineering Co.	F2104455	Stock Corporation	Active	1301 Gervais St Suite 450 Columbia, SC 29201	Branch Office	0411001534	02-28-2022
E. L. Robinson Engineering Co.	F2104455	Stock Corporation	Active	1801 Watermark Dr Suite 310 Columbus, OH 43215	Branch Office	0411001505	02-28-2022
Mead and Hunt, Inc.	F1285008	Stock	Active	2440 Deming Way, Middleton, WI 53562	Business Entity	407005820	12-31-2021
Mead and Hunt, Inc.	F1285008	Stock	Active	8150 Leesburg Pike Suite 630, Vienna, VA 22182	Business Entity Branch Office	411001541	02-28-2022
Mead and Hunt, Inc.	F1285008	Stock	Active	400 Tracy Way Suite 200 Charleston, WV 25311	Business Entity Branch Office	411000789	02-28-2022

# Commonwealth of Virginia



## State Corporation Commission

### CERTIFICATE OF GOOD STANDING

I Certify the Following from the Records of the Commission:

That A & J DEVELOPMENT AND EXCAVATION, INC. is duly incorporated under the law of the Commonwealth of Virginia;

That the corporation was incorporated on August 12, 1985;

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

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

Nothing more is hereby certified.



Signed and Sealed at Richmond on this Date:

December 24, 2020

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

Bernard J. Logan, Clerk of the Commission

# Commonwealth of Virginia



## State Corporation Commission

### CERTIFICATE OF GOOD STANDING

I Certify the Following from the Records of the Commission:

That E. L. Robinson Engineering Co., a corporation incorporated under the laws of WEST VIRGINIA, is authorized to transact business in the Commonwealth of Virginia;

That the corporation obtained a certificate of authority to transact business in Virginia from the Commission on September 28, 2018; and

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

Nothing more is hereby certified.



Signed and Sealed at Richmond on this Date:

March 30, 2021

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

---

Bernard J. Logan, Clerk of the Commission

# Commonwealth OF Virginia



## State Corporation Commission

### *CERTIFICATE OF GOOD STANDING*

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

That MEAD AND HUNT, INC., a corporation incorporated under the law of Wisconsin, is authorized to transact business in the Commonwealth of Virginia;

That it obtained a certificate of authority to transact business in Virginia from the Commission on February 27, 1997; and

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

Nothing more is hereby certified.



*Signed and Sealed at Richmond on this Date:*

*October 25, 2019*

*Joel H. Peck*

*Joel H. Peck, Clerk of the Commission*

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON  
05-31-2022

NUMBER  
2701031920

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



A & J DEVELOPMENT & EXCAVATION INC  
425 CECIL WAMPLER RD  
MT CRAWFORD, VA 22841



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

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

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON  
02-28-2022

NUMBER  
0411001550

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

PROFESSIONS: ENG



E L ROBINSON ENGINEERING CO  
4140 PLEASANT VALLEY RD STE 101  
CHANTILLY, VA 20151



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

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

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)

(DETACH HERE)

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

BOARD FOR AP/ELSCIDLA  
BUSINESS ENTITY BRANCH OFFICE REGISTRATION  
NUMBER: 0411001550 EXPIRES: 02-28-2022  
PROFESSIONS: ENG  
E L ROBINSON ENGINEERING CO  
4140 PLEASANT VALLEY RD STE 101  
CHANTILLY, VA 20151



(FOLD)

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

DPOR-PC (02/2017)

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

12-31-2021

NUMBER

0407004252

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

PROFESSIONS: ENG



E L ROBINSON ENGINEERING CO  
5088 WASHINGTON ST WEST  
CHARLESTON, WV 25313



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

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

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)

(DETACH HERE)



COMMONWEALTH of VIRGINIA  
Department of Professional and Occupational Regulation

BOARD FOR APESCIDLA  
BUSINESS ENTITY REGISTRATION  
NUMBER: 0407004252 EXPIRES: 12-31-2021  
PROFESSIONS: ENG  
E L ROBINSON ENGINEERING CO  
5088 WASHINGTON ST WEST  
CHARLESTON, WV 25313



(FOLD)

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

DPOR-PC (02/2017)

PATENTS 8/19/2005 5/30/15B

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON  
02-28-2022

NUMBER  
0411001574

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

PROFESSIONS: ENG



E L ROBINSON ENGINEERING CO  
93 VIRGINIA ST  
BECKLEY, WV 25801



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

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

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)

(DETACH HERE)



COMMONWEALTH of VIRGINIA  
Department of Professional and Occupational Regulation

BOARD FOR APESCIDLA  
BUSINESS ENTITY BRANCH OFFICE REGISTRATION  
NUMBER: 0411001574 EXPIRES: 02-28-2022  
PROFESSIONS: ENG  
E L ROBINSON ENGINEERING CO  
93 VIRGINIA ST  
BECKLEY, WV 25801



(FOLD)

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

DPOR-PC (02/2017)

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON  
02-28-2022

NUMBER  
0411001504

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

BUSINESS ENTITY BRANCH OFFICE REGISTRATION

PROFESSIONS: ENG



E L ROBINSON ENGINEERING CO  
3362 SIX FORKS RD  
RALEIGH, NC 27609



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

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

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)

(DETACH HERE)



COMMONWEALTH of VIRGINIA  
Department of Professional and Occupational Regulation

BOARD FOR APELSCIDLA  
BUSINESS ENTITY BRANCH OFFICE REGISTRATION  
NUMBER: 0411001504 EXPIRES: 02-28-2022  
PROFESSIONS: ENG  
E L ROBINSON ENGINEERING CO  
3362 SIX FORKS RD  
RALEIGH, NC 27609



(FOLD)

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

DPOR-PC (02/2017)

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

02-28-2022

NUMBER

0411001534

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

PROFESSIONS: ENG



E L ROBINSON ENGINEERING CO  
1301 GERVAIS ST STE 450  
COLUMBIA, SC 29201



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

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

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

02-28-2022

NUMBER

0411001505

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

PROFESSIONS: ENG



E L ROBINSON ENGINEERING CO  
1801 WATERMARK DR STE 310  
COLUMBUS, OH 43215



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

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

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)

(DETACH HERE)



COMMONWEALTH of VIRGINIA  
Department of Professional and Occupational Regulation

BOARD FOR AP/ELSC/DLA  
BUSINESS ENTITY BRANCH OFFICE REGISTRATION  
NUMBER: 0411001505 EXPIRES: 02-28-2022  
PROFESSIONS: ENG  
E L ROBINSON ENGINEERING CO  
1801 WATERMARK DR STE 310  
COLUMBUS, OH 43215



(FOLD)

VOID

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

DPOR-PC (02/2017)

# COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON  
02-28-2022

NUMBER  
0411000789

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

PROFESSIONS: ENG



MEAD AND HUNT, INC  
400 TRACY WAY  
SUITE 200  
CHARLESTON, WV 25311



  
Mary Broz-Vaughan, Director

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

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)

(DETACH HERE)



## COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

BOARD FOR APESCIDLA

BUSINESS ENTITY BRANCH OFFICE REGISTRATION

NUMBER: 0411000789 EXPIRES: 02-28-2022

PROFESSIONS: ENG

MEAD AND HUNT, INC

400 TRACY WAY

SUITE 200

CHARLESTON, WV 25311



(FOLD)

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

DPOR-PC (02/2017)

# COMMONWEALTH of VIRGINIA

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

EXPIRES ON  
02-28-2022

NUMBER  
0411001541

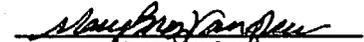
## BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS AND LANDSCAPE ARCHITECTS BUSINESS ENTITY BRANCH OFFICE REGISTRATION

PROFESSIONS: ENG



MEAD AND HUNT, INC  
8150 LEESBURG PIKE  
STE 630  
VIENNA, VA 22182



  
Mary Eroz-Vaughan, Director

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

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)

(DETACH HERE)

 COMMONWEALTH of VIRGINIA  
Department of Professional and Occupational Regulation

BOARD FOR APELSCIDLA  
BUSINESS ENTITY BRANCH OFFICE REGISTRATION  
NUMBER: 0411001541 EXPIRES: 02-28-2022  
PROFESSIONS: ENG  
MEAD AND HUNT, INC  
8150 LEESBURG PIKE  
STE 630  
VIENNA, VA 22182



(FOLD)

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

DPOR-PC (02/2017)

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

05-31-2022

NUMBER

0402062059

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



GEORGE LAWRENCE GETTIER  
3317 HORSESHOE BEND  
RALEIGH, NC 27613



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

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

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)

# COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

12-31-2021

NUMBER

0402046895

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



JAMES A BUMGARNER JR  
1039 CREEKSTONE RIDGE  
SOUTH CHARLESTON, WV 25309



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

27

**ATTACHMENT 4.2.6(a)**

**LEAD CONTRACTOR - WORK HISTORY FORM**

**(LIMIT 1 PAGE PER PROJECT)**

a. Project Name & Location	b. Name of the prime design consulting firm responsible for the overall project design.	c. Contact information of the Client or Owner and their Project Manager who can verify Firm's responsibilities.	d. Contract Completion Date (Original)	e. Contract Completion Date (Actual or Estimated)	f. Contract Value (in thousands)		g. Dollar Value of Work Performed by the Firm identified as the Lead Contractor for this procurement.(in thousands)
					Original Contract Value	Final or Estimated Contract Value	
Name: VDOT Project #0011-082-752 C-501 US Rte. 11 over I-81 Bridge Replacement & Interchange Improvements Location: Rockingham County, VA	Name: VDOT – Staunton District Ronald Tabor  (540) 332-7887 <a href="mailto:ronald.tabor@vdot.virginia.gov">ronald.tabor@vdot.virginia.gov</a>	Name of Client/ Owner: VDOT Stanton District Project Manager: Doug Simmers Phone: (540) 434-2587 Email: <a href="mailto:doug.simmers@vdot.virginia.gov">doug.simmers@vdot.virginia.gov</a>	May 2021	December 2020	\$12,561	\$11,975	\$11,975

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.

A& J Excavating was the lead contractor for the bid-build contract. This project replaced a multi-span bridge that carries US Rte. 11 over Interstate 81 and constructed the approach roadway to accommodate a center turn lane. The new two span continuous steel plate girder structure replaced a five span structure that was both structurally deficient and functionally obsolete. The interchange upgrade included operational improvements through widening the northbound off ramps and provided signalized intersections at both ramp termini. Widened of US Rte. 11 from two to three lanes with outside paved shoulders along with left and right turn lanes at intersecting roadways was completed under traffic. A traffic management plan was implemented to minimize impacts to the traveling motorists on Interstate 81 and US Rte. 11. This included maintaining one lane open in each direction on US Rte. 11 for the duration of the construction. With high traffic volumes on this section of I-81, only minimal disruptions were experienced on the interstate below the structure being replaced. A&J created a utility task force representing owner, contractor, designer and utility companies that met bi-weekly during the early stages of construction to enhance communication/coordination.



RELEVANT EXPERIENCE IDENTIFIED ON THIS PROJECT FOR THE LEAD CONTRACTOR'S WORK HISTORY FORM INCLUDES:

1. ONE (1) PROJECT THAT INCLUDES WIDENING OF AN EXISTING INTERSTATE HIGHWAY OR INTERSTATE HIGHWAY RAMP.
2. ONE (1) PROJECT ON AN INTERSTATE HIGHWAY THAT INCLUDES MAINTENANCE OF TRAFFIC AS WELL AS TRAFFIC CONTROL FOR TRAFFIC VOLUMES EXCEEDING 10,000 VEHICLES A DAY.



**ATTACHMENT 4.2.6(a)**

**LEAD CONTRACTOR - WORK HISTORY FORM**

**(LIMIT 1 PAGE PER PROJECT)**

a. Project Name & Location	b. Name of the prime design consulting firm responsible for the overall project design.	c. Contact information of the Client or Owner and their Project Manager who can verify Firm's responsibilities.	d. Contract Completion Date (Original)	e. Contract Completion Date (Actual or Estimated)	f. Contract Value (in thousands)		g. Dollar Value of Work Performed by the Firm identified as the Lead Contractor for this procurement.(in thousands)
					Original Contract Value	Final or Estimated Contract Value	
Name: WVDOH Project NFA-2317(001) U302-81-7.75 00 I-81 Widening -- Tabler Station Road to Apple Harvest Drive Location: Berkeley Co., WV	Name: WVDOH Engineering Section - R.J. Scites  (304) 558-2885 <a href="mailto:raymond.J.Scites@wv.gov">raymond.J.Scites@wv.gov</a>	Name of Client/ Owner: WVDOH District 5 Project Manager: Daniel Watts Phone: (681) 320-2077 Email: <a href="mailto:Daniel.swatts@wv.gov">Daniel.swatts@wv.gov</a>	August 2020	September 2021 (Estimated)	\$49,456	\$54,905	\$27,672

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.

A.L.L. Construction, Inc., an affiliated company of A & J Development and Excavating, Inc., is the prime contractor for the subject project. The project consists of widening a 3.6 mile stretch of I-81 in Berkeley County, WV. The project limits start approximately 2.6 miles south of Exit 8 and end approximately one mile north of Exit 8. The widening occurred in the median and required the drilling and blasting of approximately 11,000 cubic yards of rock. Additionally, 1,200 linear feet trench blasting was undertaken for the installation of the storm drainage systems. Through a coordinated effort with local law enforcement and the West Virginia State Police; rolling road blocks were used during blast events thereby minimizing delays to the highway users. A significant goal of the project is to correct deficient roadway cross slopes on both the northbound and southbound lanes throughout the project limits. The existing bituminous pavement overlays were milled from the existing lanes and the original concrete pavement rubblized prior to placement of the bituminous pavement. Work Zone Traffic Control included placement of over 38,000 linear feet of concrete barrier to maintain two lanes of traffic in each direction while performing the interior median widening. The concrete barrier was then shifted in order to move traffic to the inside widened median while the rubblization of the original travel lanes and the outside shoulders reconstruction was completed.

The project increased in both contract value and completion time. A significant design error was discovered that resulted in significant time for WVDOH to resolve and therefore increased the scope of the work to be performed.



**RELEVANT EXPERIENCE IDENTIFIED ON THIS PROJECT FOR THE LEAD CONTRACTOR'S WORK HISTORY FORM INCLUDES:**

1. ONE (1) PROJECT THAT INCLUDES WIDENING OF AN EXISTING INTERSTATE HIGHWAY OR INTERSTATE HIGHWAY RAMP.
2. ONE (1) PROJECT ON AN INTERSTATE HIGHWAY THAT INCLUDES MAINTENANCE OF TRAFFIC AS WELL AS TRAFFIC CONTROL FOR TRAFFIC VOLUMES EXCEEDING 10,000 VEHICLES A DAY.
3. ONE (1) CONSTRUCTION PROJECT ON A PRIMARY OR INTERSTATE HIGHWAY THAT INCLUDES ROCK EXCAVATION BY BLASTING OR MECHANICAL MEANS.



**ATTACHMENT 4.2.6(a)**

**LEAD CONTRACTOR - WORK HISTORY FORM**

**(LIMIT 1 PAGE PER PROJECT)**

a. Project Name & Location	b. Name of the prime design consulting firm responsible for the overall project design.	c. Contact information of the Client or Owner and their Project Manager who can verify Firm's responsibilities.	d. Contract Completion Date (Original)	e. Contract Completion Date (Actual or Estimated)	f. Contract Value (in thousands)		g. Dollar Value of Work Performed by the Firm identified as the Lead Contractor for this procurement.(in thousands)
					Original Contract Value	Final or Estimated Contract Value	
Name: VDOT Project #NHPP-081-3(187); 0081-115-833 I-81 Exit 245 - Northbound Exit Ramp Realignment Location: City of Harrisonburg, VA	Name: VDOT - Staunton District John-Allen Ennis, PE District L&D Manager (540) 332-9118 <a href="mailto:Johnallen.ennis@vdot.virginia.gov">Johnallen.ennis@vdot.virginia.gov</a>	Name of Client/Owner: VDOT Staunton District /City of Harrisonburg Project Manager: Ruben Rhodes /Doug Adams Phone: (540) 332-9075 /(540) 820-2767 Email: <a href="mailto:ruben.rhodes@vdot.virginia.gov">ruben.rhodes@vdot.virginia.gov</a> <a href="mailto:doug.adams@harrisonburgva.gov">doug.adams@harrisonburgva.gov</a>	January 2020	August 2020	\$2,492	\$2,672	\$2,672

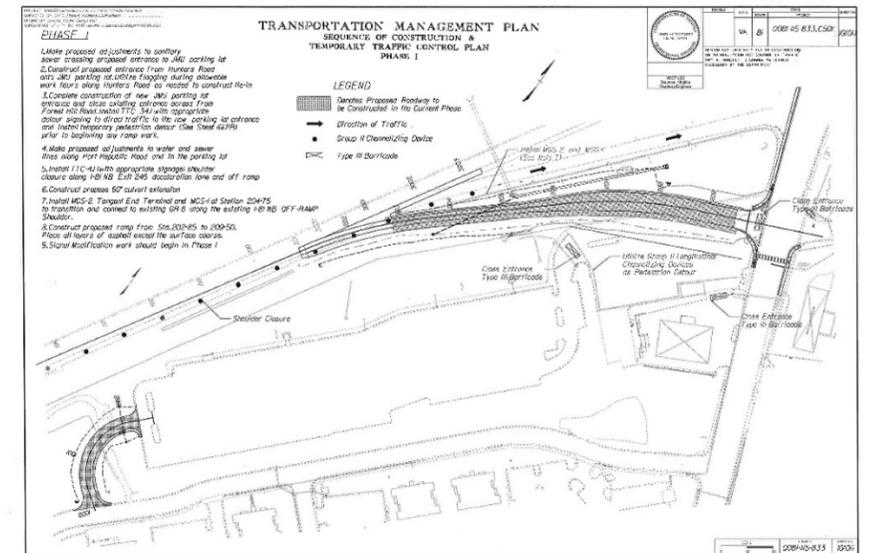
h. Narrative describing the Work Performed by the Firm identified as the Lead Contractor for this procurement. If the Offeror chooses to submit work completed by an affiliated or subsidiary company of the Lead Contractor, identify the full legal name of the affiliate or subsidiary and the role they will 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.



A& J Excavating was the lead contractor for the bid-build contract to relocated the northbound off ramp in order create an improved four leg, signalized intersection with Forest Hill Road. This corrected an operational inefficient situation of closely spaced intersections along Port Republic Road. Adjacent to the northbound ramp, an existing parking lot was reconstructed / reconfigured to accept the ramp improvements which included widening to accommodate traffic storage on three lanes allowing for a left turn, thru movement, and right turn. The interchange upgrade included operational improvements through widening the northbound off ramps and provided a signalized intersection with mast arms at the ramp termini along with pedestrian activated features. Relocation and widening of the ramp to three lanes with paved shoulders to the ramp terminal intersection was completed under traffic. A traffic management plan was implemented to minimize impacts to the traveling motorists on Interstate 81 and Port Republic Road. This included maintaining one lane open for the duration of the construction. With high traffic volumes on this section of I-81 and the exit ramp, no disruptions were experienced on the interstate with the ramp widening. A utility task force representing owner, contractor, designer and utility companies was formed that met monthly during construction There were many project stakeholders that included VDOT, JMU, environmental permitting agencies, residents, community groups, and EMS responders. which A&J monitored to explain the project status and solicit input on the work within the limits of the project. Progress meetings were held with stakeholders attending to enhance coordination.

**RELEVANT EXPERIENCE IDENTIFIED ON THIS PROJECT FOR THE LEAD CONTRACTOR'S WORK HISTORY FORM INCLUDES:**

1. ONE (1) PROJECT THAT INCLUDES WIDENING OF AN EXISTING INTERSTATE HIGHWAY OR INTERSTATE HIGHWAY RAMP.
2. ONE (1) PROJECT ON AN INTERSTATE HIGHWAY THAT INCLUDES MAINTENANCE OF TRAFFIC AS WELL AS TRAFFIC CONTROL FOR TRAFFIC VOLUMES EXCEEDING 10,000 VEHICLES A DAY.



**ATTACHMENT 3.4.1(b)**  
**RFQ 113780 - NORTHSTAR BOULEVARD: ROUTE 50 TO 0.18 MILES SOUTH OF SHREVEPORT DRIVE**  
**LEAD DESIGNER - WORK HISTORY FORM**

**(LIMIT 1 PAGE PER PROJECT)**

a. Project Name & Location	b. Name of the prime/ general contractor responsible for overall construction of the project.	c. Contact information of the Client and their Project Manager who can verify Firm’s responsibilities.	d. Construction Contract Start Date	e. Construction Contract Completion Date (Actual or Estimated)	f. Contract Value (in thousands)		g. Design Fee for the Work Performed by the Firm identified as the Lead Designer for this procurement.(in thousands)
					Construction Contract Value (Original)	Construction Contract Value (Actual or Estimated)	
Name: US Rte. 48 Corridor H Design-Build – Kerens to US Rte. 219 Connector  Location: Kerens, WV	Name: Kokosing Construction Company, Inc. John Householder  (614) 679-8371 Email: <a href="mailto:jdh@kokosing.biz">jdh@kokosing.biz</a>	Name of Client.: West Virginia Department of Highways Jimmy Wriston, PE Deputy Commissioner of Highways Phone: (304) 558-3505 Email: <a href="mailto:jimmy.d.wriston@wv.gov">jimmy.d.wriston@wv.gov</a>	August 2018	May 2021 (Estimated)	\$209,700	\$209,700 (Estimated)	\$7,385

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/contracts with multiple phases, segments, elements (projects), and/or contracts shall not be considered a single project. Projects/contracts with multiple phases, segments, elements (projects), and/or contracts shall not be claimed as a single project on this form.

E. L. Robinson Engineering Co. (ELR) partnered with Kokosing Construction Company to successfully deliver the Corridor H Design-Build (H-1) Project in Randolph County, West Virginia. ELR was the lead designer on this project with work performed within ELR from our various offices. This section of Corridor H is a 7.6-mile rural divided arterial on new location with two (2) 12-foot-wide lanes in each direction. ELR’s project responsibilities included the roadway and drainage design, design of five (5) bridges, slope stability analysis, foundation design, and construction inspection. The drainage design consisted of 26 culverts, some with up to 200 feet of fill, and approximately 40,000 linear feet of storm drain pipes. The five steel plate girder bridges varied in length from 560 feet to 1,200 feet. The most cost-efficient girder configuration was found to be five girders at 12’-8” spacing. Two of the structures are on horizontally curved alignments. The substructures include full height abutments designed in FEA software as well as piers exceeding 200 feet in height. Pier configurations consisted of two column piers, multi-column piers, and hollow box piers. Working with Kokosing, ELR adjusted the horizontal and vertical alignment to minimize cost to secure the contract. The proposed alignment cuts through the mountainous terrain with cuts in excess of 300 feet and embankments greater than 200 feet of fill. The project utilized rock fall catchment criteria and ELR designed the backslopes that varied from 0.25:1 to 1:1 slopes with benches at various heights based on the rock conditions. The massive earthwork project moved over 12,000,000 cubic yards of earth which ELR was able to closely balance to minimize the cost to the contractor. Once completed, Corridor H (US Rte. 48) will connect Strasburg, Virginia (Interstate 81) to Weston, West Virginia (Interstate 79) which is halfway between Charleston, West Virginia and the Pennsylvania State Line.



This \$209 million design-build project is one of WVDOH’s largest to date. Work included the design, grade, and drain of US Rte. 48 (Corridor H) and the US Rte. 219 Connector for approximately 7.5-miles and 0.9-miles respectively along with the design and construction of major structures. Approximately 60% of the project is constructed within the Monongahela National Forest and will include approximately 450-acres of clearing for the 12-million-cubic yards of heavy earthwork, significant rock blasting, and the five bridge structures ranging up to 1,200-foot-long and 250-foot-tall.

RELEVANT EXPERIENCE IDENTIFIED ON THIS PROJECT FOR THE LEAD DESIGNER’S WORK HISTORY FORM INCLUDES:

1. ONE (1) PROJECT ON A PRIMARY OR INTERSTATE HIGHWAY THAT INCLUDES DESIGN OF CUT SLOPES IN ROCK..

**ATTACHMENT 4.2.6(b)**

**LEAD DESIGNER - WORK HISTORY FORM**

**(LIMIT 1 PAGE PER PROJECT)**

a. Project Name & Location	b. Name of the prime/ general contractor responsible for overall construction of the project.	c. Contact information of the Client and their Project Manager who can verify Firm's responsibilities.	d. Construction Contract Start Date	e. Construction Contract Completion Date (Actual or Estimated)	f. Contract Value (in thousands)		g. Design Fee for the Work Performed by the Firm identified as the Lead Designer for this procurement.(in thousands)
					Construction Contract Value (Original)	Construction Contract Value (Actual or Estimated)	
Name: I-79 Widening Bridgeport - Exit 119 (US Rte. 50) to Meadowbrook Rd – Exit 121  Location: Harrison Co., WV	Name: BECDIR Construction Company, Inc. Robert Pekarski  (330) 547-2134 <a href="mailto:robP@becdir.com">robP@becdir.com</a>	Name of Client.: West Virginia Department of Highways Jimmy Wriston, PE Deputy Commissioner of Highways Phone: (304) 558-3505 Email: <a href="mailto:jimmy.d.wriston@wv.gov">jimmy.d.wriston@wv.gov</a>	September 2011	July 2014	\$31,150	\$31,460	\$2,375

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.

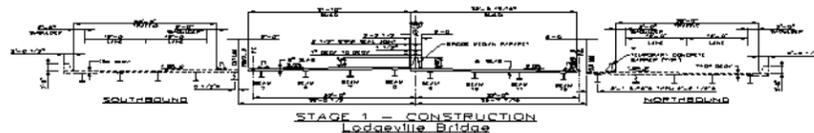
E. L. Robinson Engineering staff completed the design and plan preparation of construction plans for the widening of 2.5 miles of I-79 from four lanes to eight lanes. The design work completed in this section including the widening of two sets of dual structures (301-feet and 225-feet in total length, respectively), design exceptions, modification to two interchanges (Exits 119 and 121), and utility coordination /relocation. The total construction cost for this project was approximately \$30M.

Design Data
Average Daily Traffic (1970) - 10,200
Average Daily Traffic (1990) - 19,420
Average Daily Traffic (2000) - 47,000
Average Daily Traffic (2020) - 82,000

The area has experienced significant growth in traffic volumes since this section of I-79 was originally opened to traffic in the early 1970's and is projected by the WV Division of Highways with continued growth in the traffic forecast. Due to the high traffic volumes, the two bridges would need to be widened and /or rebuilt in a manner that would require traffic to be maintained with two lanes at all times.

This interstate widening project included two sets of dual bridges – The Lodgeville Bridge (Bridge Number 2447) and The Simpson Creek Bridge (Bridge Number 2448). The interstate bridges' superstructure and substructure widenings were designed by E. L. Robinson Engineering staff under a separate contact and then combined into the roadway widening project of I-79 from Bridgeport to Meadowbrook in Harrison County, West Virginia.

Innovate design solutions were integrated into the construction techniques by combining plans under different design contract to produce one contract document for construction letting. The cross-discipline interaction for structure widening and development of the MOT while meshing with the roadway and hydraulics needs of the project. The tie-in to the existing interchanges was designed to lessen impact while improving operations.



The designer at ELR limited the impacts to the traveling public, affected businesses, and communities, by including commitments to effective strategies to minimize congestion during construction: ELR staff optimized the maintenance of traffic plan to allow for a more efficient and less congestion design to be implemented. The majority of the work was planned for nighttime allowing minimal traffic disruption. ELR staff provided post design services to WVDOH to monitor traffic operations in the work zone and modified the phasing to improve operational efficiencies.

As with any project undertaken by ELR, the successful coordination utility impacts is high team priority. The coordination effort for this project included water, sewer, electrical, communications, and an aerial single-track railroad crossing. All providers were successfully dealt with in a timely manner by ELR staff. The key to achieving a win-win situation with the multiple providers is fundamental to all successful projects – communication. Engagement of the utility provider began early and continued with frequent check-ins along with clearly identified and achievable schedule milestones. The shared critical path enabled the providers to part of the process and allowed the team to accept solutions to keep the project on schedule.

**RELEVANT EXPERIENCE IDENTIFIED ON THIS PROJECT FOR THE LEAD DESIGNER'S WORK HISTORY FORM INCLUDES:**

1. ONE (1) PROJECT THAT INCLUDES WIDENING OF AN EXISTING INTERSTATE HIGHWAY OR INTERSTATE HIGHWAY RAMP.
2. ONE (1) PROJECT ON AN INTERSTATE HIGHWAY THAT INCLUDES MAINTENANCE OF TRAFFIC AS WELL AS TRAFFIC CONTROL FOR TRAFFIC VOLUMES EXCEEDING 10,000 VEHICLES A DAY.

**ATTACHMENT 4.2.6(b)**

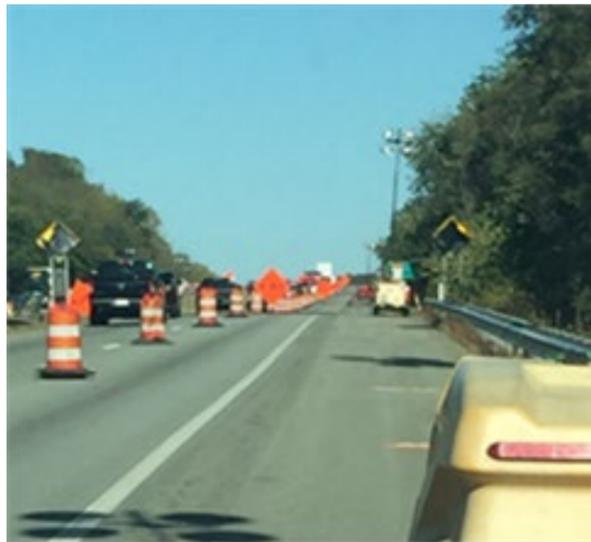
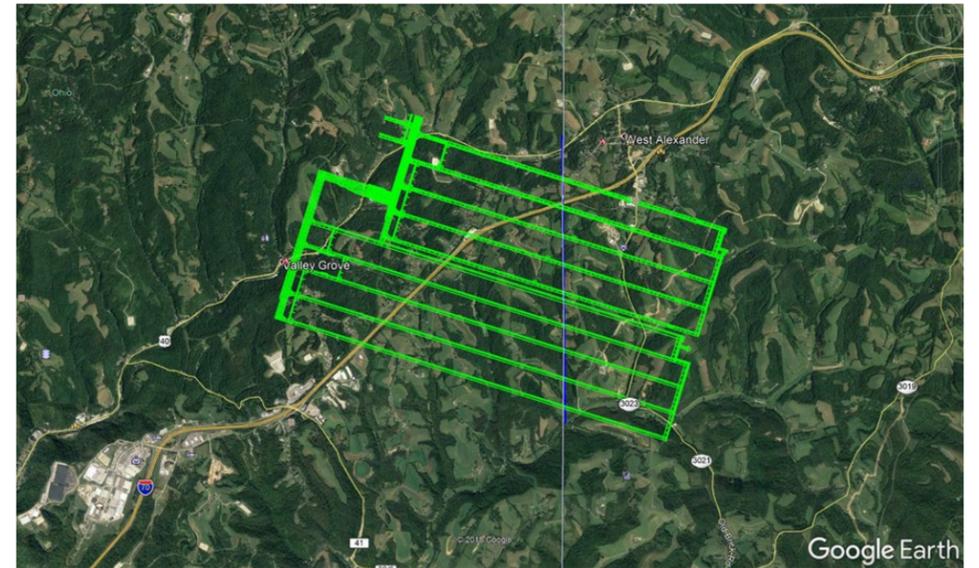
**LEAD DESIGNER - WORK HISTORY FORM**

**(LIMIT 1 PAGE PER PROJECT)**

a. Project Name & Location	b. Name of the prime/ general contractor responsible for overall construction of the project.	c. Contact information of the Client and their Project Manager who can verify Firm's responsibilities.	d. Construction Contract Start Date	e. Construction Contract Completion Date (Actual or Estimated)	f. Contract Value (in thousands)		g. Design Fee for the Work Performed by the Firm identified as the Lead Designer for this procurement.(in thousands)
					Construction Contract Value (Original)	Construction Contract Value (Actual or Estimated)	
Name: I-70 Longwall Mining Exit 11 to PA Stateline (Panel Nos. 15 thru Panel 22)  Location: Ohio County, WV	Name: Kelly Paving, Inc. Chad Taylor  (740) 819-4279 <a href="mailto:c.taylor@shellyandsands.com">c.taylor@shellyandsands.com</a>	Name of Client.: West Virginia Department of Highways Michael Witherow, PE District Construction Engineer Phone: (304) 843-4048 Email: <a href="mailto:michael.witherow@wv.gov">michael.witherow@wv.gov</a>	October 2018	June 2024 (Estimated)	\$35,000	\$35,000 (Estimated)	\$5,200 (Estimated)

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/contracts with multiple phases, segments, elements (projects), and/or contracts shall not be considered a single project. Projects/contracts with multiple phases, segments, elements (projects), and/or contracts shall not be claimed as a single project on this form.

Tunnel Ridge Mining's operations proposes eight longwall panels (Nos. 15-22) in the Pittsburgh Seam under I-70. The seam is 7 feet thick and 800 feet below the interstate. Common law allows the owner of the mineral rights to subside the ground surface in order to extract the coal. The predicted subsidence from longwall mining ranges from 4 to 5 feet to the roadway of Interstate 70. The longwall panels are three miles long and approximately 1,200 feet wide with a 60°-skew crossing the interstate. ELR, in a modified design-build delivery method, was contracted by WVDOH to provide all operational, engineering, monitoring, inspection, and administration guidance for pre /post mining and to restore I-70 back to a 70-mph design speed after subsidence. This includes the oversight of temporary facilities at the westbound Welcome Center Building. ELR is engineer of record of all designs including roadway, maintenance of traffic, signing, pavement marking, and plans for repairs and reconstruction of I-70 mainline as well as the ramps exiting and entering from the Welcome Center site and the dual bridges over Stoolfire Road which serves as the only local north -south access to the local community.



With an ADT of over 65,000 VPD, the traffic operations were maintained while active subsidence issues occurred. Stakeholder coordination was undertaken for WVDOH, PennDOT, and Tunnel Ridge Mining. ELR employed our capabilities of vehicle mounted mobile scan survey technology and utilized the research studies performed by two major regional universities along with Installation of 90 feet full depth relief joints in the compression zones. The areas for lessons learned included geology, production schedule, and seasonal items and those lessons are incorporated in the ongoing project. Oversaw the mining company's contractor that restored the Welcome Center building. In Panel 20, ELR developed three alternative concepts for community access on Stoolfire Road to account for a set of dual bridges in the subsidence envelope. The concepts ranged from elimination to new construction along with associated inter connectivity.

**RELEVANT EXPERIENCE IDENTIFIED ON THIS PROJECT FOR THE LEAD DESIGNER'S WORK HISTORY FORM INCLUDES:**

**1. ONE (1) PROJECT ON AN INTERSTATE HIGHWAY THAT INCLUDES MAINTENANCE OF TRAFFIC AS WELL AS TRAFFIC CONTROL FOR TRAFFIC VOLUMES EXCEEDING 10,000 VEHICLES A DAY.**

ATTACHMENT 4.0.1.2

**DESIGN-BUILD PRICE PROPOSAL  
CHECKLIST**

**Project Name: I-81 MM 48 Northbound Acceleration Lane Extension**

**Contract ID Number: C00116161DB110**

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➤ Contents of Price Proposal:

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

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

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

June 6, 2018

All asphalt material listed in the attached “Asphalt Material Items Eligible for Price Adjustment” will be adjusted in accordance with the provisions as set forth herein. Other items will not be adjusted, except as otherwise specified in the contract. Any item added through a Work Order which contains asphalt material will not be subject to Price Adjustment unless specifically designated in the Work Order to be subject to Price Adjustment.

Each month, the Department will publish an average state-wide PG 64S-22 f.o.b. price per ton and an average PG 64E-22 f.o.b. price per ton developed from the average terminal prices provided to the Department from suppliers of asphalt cement to contractors doing work in Virginia. The Department will collect terminal prices from approximately 12 terminals each month. These prices will be received once each month from suppliers on or about the last weekday of the month. The high and low prices will be eliminated and the remaining values averaged to establish the average statewide price for the following month. That monthly state-wide average price will be posted on the Construction Division website on or about the first weekday of the following month. In the event the average prices were to change 10 percent or more of the Base Index during the middle of the month, the Design Builder can submit a letter to the Department and the supplier that provides evidence of the difference in price. Upon receipt of the letter consideration will be given to extend additional adjustments as deemed necessary.

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

The amount of adjustment applied will be based on the difference between the Price Proposal/Contract Base Index and the Current Index for the applicable calendar month during which the work is performed. Calculations must be done for each type of Asphalt Material put in place each month, whether the Current Index is higher or lower than the Base Index. The calculation for the adjustment shall be shown as follows:

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

Where: A = Asphalt Adjustment Dollar Amount

Q = Quantity of Asphalt Material put in place during the month

%AC = % of Asphalt Cement in the Asphalt Material as specified in the Job Mix Formula

IC = Numeric Dollar Difference, either positive or negative, between the Base Index and Current Index

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

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

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

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

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

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

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**

<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNITS</b>	<b>SPECIFICATION</b>
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
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

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

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

June 6, 2018

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

The Design-Builder will submit their monthly application for payment associated with eligible work packages with an adjustment up or down as appropriate for cost changes in steel used on specific items of work identified in the Price Proposal/contract in accordance with this provision. Provided at the end of this provision is a master listing of standard bid items the Department has determined are eligible for steel price adjustment. Only items on this listing will be eligible for steel price adjustment. Generally, non-standard pay items will not be eligible for steel price adjustment unless such steel items are project-specific modifications of items normally eligible and the quantities present on the project constitute major items of the work. Inventoried materials from the listing of eligible items are specifically excluded for consideration. This provision also does not allow for price adjustment for embedded steel where the steel item is a component of the finished bid item and there is no separate or distinct payment for the steel item or for steel used for pre-tensioned or post-tensioned precast components where furnishing steel is included in the unit price of the finished bid item. This includes items such as (but not limited to) drop inlets, median barriers, sound barrier walls, bridge railing and parapets, are not eligible for consideration under this provision.

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

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

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

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Price adjustment of each qualifying item will only be considered if there is an increase or decrease in the cost of eligible steel materials in excess of 10 percent up to a maximum of 60 percent from the Base Price when compared with the latest published price index ("Price Index") in effect at the time material is shipped to the fabricator.

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

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

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

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

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

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

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

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

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



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

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Project bid on April 28, 2004.

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

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

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

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

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

Adjustment formula is as follows:

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

Where;

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

$$B = \$0.2816$$

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

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

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

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

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

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Project bid on April 28, 2004.

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

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

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

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

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

Adjustment formula is as follows:

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

Where;

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

$$B = \$0.2816$$

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

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

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

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

**MASTER LISTING**

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

June 8, 2018

**BLS Series I. D.**

<b>ITEM NUMBER</b>	<b>ITEM DESCRIPTION</b>	<b>UNITS</b>	<b>Number WPU used in \$ adjust.</b>
00519	SHEET PILE, STEEL	SF	avg. 1017 & 101
00540	REINF. STEEL	LB	101704
00560	STRUCTURAL STEEL JB-1	LB	avg. 1017 & 101
11030	REINF. STEEL BRIDGE APPR. SLAB	LB	101704
13545	REINF. STEEL	LB	101704
14502	REINFORCING STEEL	LB	101704
45522	4" STEEL ENCASE. PIPE	LF	101706
45532	6" STEEL ENCASE. PIPE	LF	101706
45562	16" STEEL ENCASE. PIPE	LF	101706
45572	18" STEEL ENCASE. PIPE	LF	101706
45582	24" STEEL ENCASE. PIPE	LF	101706
45584	24" JACKED STEEL ENCASMENT PIPE	LF	101706
45592	30" STEEL ENCASE. PIPE	LF	101706
60452	REINF. STEEL BRIDGE APPR. SLAB	LB	101704
61700	REINF. STEEL	LB	101704
61704	CORROSION RESISTANT REINF. STEEL	LB	101704
61750	STRUCT.STEEL HIGH STRG.PLT.GIRDERS	LB	avg. 1017 & 101
61811	STR.STEEL PLATE GIRDER ASTM A709 GRADE50	LB	avg. 1017 & 101
61812	STR.STEEL PLATE GIRDER ASTM A709 GRADE50	LB	avg. 1017 & 101
61813	STR.STEEL PLATE GIRDER ASTM A709 GRADEHPS50W	LB	avg. 1017 & 101
61814	STR.STEEL PLATE GIRDER ASTM A709 GRADEHPS70W	LB	avg. 1017 & 101
61820	STR.STEEL ROLLED BEAM ASTM A709 GRADE 36	LB	avg. 1017 & 101
61821	STR.STEEL ROLLED BEAM ASTM A709 GRADE50	LB	avg. 1017 & 101
61822	STR.STEEL ROLLED BEAM ASTM A709 GRADE50W	LB	avg. 1017 & 101
61990	STEEL GRID FLOOR	SF	avg. 1017 & 101
64110	STEEL PILES 10"	LF	avg. 1017 & 101
64112	STEEL PILES 12"	LF	avg. 1017 & 101
64114	STEEL PILES 14"	LF	avg. 1017 & 101
64768	DRIVING TEST FOR 12" STEEL PILE	LF	avg. 1017 & 101
64778	DRIVING TEST FOR 14" STEEL PILE	LF	avg. 1017 & 101
65200	REINF. STEEL	LB	101704
65204	CORROSION RESISTANT REINF. STEEL	LB	101704
68100	REINF. STEEL	LB	101704
68104	CORROSION RESISTANT REINF. STEEL	LB	101704
68107	STR.STEEL PLATE GIRDER ASTM A709 GRADE50	LB	avg. 1017 & 101
68108	STR. STEEL PLATE GIRDER ASTM A709 GR50W	LB	avg. 1017 & 101
68109	STR. STEEL PLATE GIRDER ASTM A709 GR.HPS50W	LB	avg. 1017 & 101
68110	STR. STEEL PLATE GIRDER ASTM A709 GR.HPS70W	LB	avg. 1017 & 101
68112	STR.STEEL ROLLED BEAM ASTM A709 GR.36	LB	avg. 1017 & 101
68113	STR.STEEL ROLLED BEAM ASTM A709 GR.50	LB	avg. 1017 & 101
68114	STR.STEEL ROLLED BEAM ASTM A709 GR. 50W	LB	avg. 1017 & 101
68115	STRUCT. STEEL	LB	avg. 1017 & 101
68270	REINF. STEEL BRIDGE APPR. SLAB	LB	101704
69060	SHEET PILES, STEEL	SF	avg. 1017 & 101

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: 4-8-2021

Signature: Richard M. Rennie V.P.

Design-Builder: A+J DEVELOPMENT AND EXCAVATION INC.

Vendor No.: A671

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

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

June 26, 2018

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

The Design-Builder shall submit their monthly application for payment associated with eligible work packages with an adjustment up or down as appropriate for cost changes in fuel used on specific items of work identified in this provision. The optional fuel item listing eligible for fuel adjustment is provided by the Department at this website: <http://www.virginiadot.org/business/const/resource.asp>. The listing on the web site also includes the corresponding fuel factor for each item. The fuel usage factor for each item is considered inclusive of all fuel usage.

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

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

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

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

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

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

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

B = Base index price

E = Current index price

Q = Quantity of individual units of work

F = Appropriate fuel factor

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

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

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

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

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

I elect to use this provision

I elect not to use this provision

Date: 3-31-2021

Signature: Richard M. James

Design-builder: A+J DEVELOPMENT AND EXCAVATION, INC

Vendor No.: A671

**COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
PROPOSAL GUARANTY**

KNOW ALL MEN BY THESE PRESENTS, THAT WE A&J Development and Excavation, Inc. As principal, and Liberty Mutual Insurance Company Surety, are held and firmly bound unto the Commonwealth of Virginia as obligee, in the amount of FIVE PERCENT OF THE DOLLAR VALUE OF THE BID, lawful money of the United States of America, for the payment of which, well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally and firmly by these presents.

SIGNED, sealed and dated this 31st Day of March, 2021

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

PROJECT NUMBER: 0081-086-834 PE101, C501

I-81 Exit 48 North Bound Acceleration Lane Extension, Design Build Project, Smyth County/Town of Marion  
RFQ: C00116161DB110

NOW, THEREFORE, the condition of the above obligee is such, that if the aforesaid principal shall be awarded the contract upon said proposal and shall within the time specified in the Specifications after the notice of such award enter into a contract and give bond for the faithful performance of the contract, then this obligation shall be null and void; otherwise to remain in full force and effect and the principal and surety will pay unto the obligee the difference in money between the amount of the bid of the said principal and the amount for which the obligee may legally contract with another party to perform the said work if the latter amount be in excess of the former; but in no event shall the liability exceed the penal sum hereof.  
A&J Development and Excavation, Inc.

By: Richard M. Gaines V.P.  
(Principal\*)  
(Officer, Partner or Owner) (Seal)

By: Kimberly L. Miles  
Liberty Mutual Insurance Company  
(Surety Company)  
(Attorney-in-Fact\*\*) (Seal)

One Hillcrest Drive E, Suite 300, Charleston WV 25311  
(Address)

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

By: \_\_\_\_\_  
(Surety Company)

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

By: \_\_\_\_\_  
(Attorney-in-Fact\*\*) (Seal)  
(Address)

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

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

SVA21549173

Electronic Bid Bond ID#

A+J DEVELOPMENT AND EXCAVATION, INC.  
Company/Bidder Name

Richard M. Gaines V.P.  
Signature and Title

\*\*Attach copy of Power of Attorney



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

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

Certificate No: 8204901-014055

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That The Ohio Casualty Insurance Company is a corporation duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, Andrew K. Teeter, Douglas T. Taylor, Jaime L. Carpenter, Jessica J. Bentley, Kimberly L. Miles, Tammy S. Seibe

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

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 23rd day of February, 2021.



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

By: David M. Carey, Assistant Secretary

State of PENNSYLVANIA ss
County of MONTGOMERY

On this 23rd day of February, 2021 before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of Liberty Mutual Insurance Company, The Ohio Casualty Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

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



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

By: Teresa Pastella, Notary Public

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

ARTICLE IV - OFFICERS: Section 12. Power of Attorney.

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

ARTICLE XIII - Execution of Contracts: Section 5. Surety Bonds and Undertakings.

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

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

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

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

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 31st day of March, 2021.



By: Renee C. Llewellyn, Assistant Secretary

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

and/or Power of Attorney (POA) verification is, please call 610-832-8240 or email



**Bond Number: SVA21549173**

**Contractor Information**

**Principal:** A & J Development & Excavation, Inc.

**Address:** 831 Cottontail Trail Mount Crawford Virginia 22841 United States

**Owner/Obligee Information**

**Bond Form:** Virginia Department of Transportation Proposal Guaranty Form C-24 Rev. 7-6-05

**Owner/Obligee:** Virginia Dept. of Transportation

**Address:** 1401 E. Broad Street Richmond Virginia 23219 United States

**Bond Information**

**Surety:** Liberty Mutual Insurance Company

**Bid Date:** 3/31/2021

**Estimated Contract Price:** \$6,500,000

**Time For Completion:**

**Liquidated Damages:**

**Estimated Work On Hand:**

**Amount of Bid Security:** 5%

**Contract # or IFB #:** C00116161DB110

**Description of Job:** I-81, Exit 48 North Bound Accelleration Lane Extension, Design Build, Smyth Co/Town of Marion, VA

**Job Breakdown:**

**Electronic Bidding Information**

**Bid Security Percentage:** 5

**Bid Security Maximum:**

**Owner Assigned Contractor Number:**A671

**Primary Agency:**

USI Insurance Services LLC

Power of Attorney Limited to: No Stated Limit

**Executed**

**Entered By:** Kimberly Miles - 3/24/2021 11:13:04 AM ET

**Approved & Executed By:**

*Kimberly Miles*

Kimberly Miles (Signed: 24-Mar-2021 11:13 AM EDT (UTC-04:00))

Signature Information

Know all men by these presents that Liberty Mutual Insurance Company, a Corporation duly organized under the laws of the State of Massachusetts, are held and firmly bound unto the above owner/obligee by this transmission. The surety agrees to waive the

Statute of Fraud defense and further agrees that the owner/obligee is a third party beneficiary of the waiver for the purposes of enforcing this bid bond.



Document ID: [S2000-1001094838](#)

**COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION**

PROJECT: 0081-086-834 PE101, C501

FHWA: NHPP-081-1(367)

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

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

**AFFIDAVIT**

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

Signed at ROCKINGHAM Co. VA, this 25 day of MARCH, 20 21  
County (City), STATE

A+J DEVELOPMENT AND EXCAVATION, INC By: Richard M. Raines V.P. Richard M. Raines  
(Name of Firm) (Signature) Title (print)

STATE of VIRGINIA COUNTY (CITY) of ROCKINGHAM Co

To-wit: I Kelley Ann Flesher, a Notary Public in and for the State and

Rockingham County (City) aforesaid, hereby certify that this day 25th of March, 2021

personally appeared before me and made oath that he is duly authorized to make the above statements and that such statements are true and correct.

Subscribed and sworn to before me this 25th day of March, 20 21

Kelley Ann Flesher My Commission expires 09/30/2024  
Notary Public

**OR  
UNSWORN DECLARATION**

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

Signed at \_\_\_\_\_, this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_\_  
County (City), STATE

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



**COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
AFFIDAVIT**

PROJECT: 0081-086-834 PE101, C501

FHWA NHPP-081-1(367)

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

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

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

NAME	Location of Principal Office
<u>NONE</u>	

2. I (we) have , have not , participated in a previous contract or subcontract subject to the equal opportunity clause, as required by Executive Orders 10925, 11114, or 11246, and that I/We have , have not , filed with the joint Reporting Committee, the Director of the Office of Federal Contract Compliance, a Federal Government contracting or administering agency, or the former President's Committee on Equal Employment Opportunity, all reports due under the applicable filing requirements.

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

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

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

(Continued)

ORDER NO.: NHPP-081-1(367)  
CONTRACT ID. NO.: C0011616/DB110

Form C-105  
page 2

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

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

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

Signed at ROCKINGHAM Co. VA, this 25 day of MARCH, 20 21,  
County (City), STATE

A+J DEVELOPMENT AND EXCAVATION INC By: Richard M. Raines V.P. Richard M. Raines  
(Name of Firm) (Signature) Title (print)

STATE of VIRGINIA COUNTY (CITY) of ROCKINGHAM Co.  
 To-wit:

I Kelley Ann Fletcher, a Notary Public in and for the State and  
Rockingham County (City) aforesaid, hereby certify that this day 25th of March 2021

personally appeared before me and made oath that he is duly authorized to make the above statements and that such statements are true and correct.

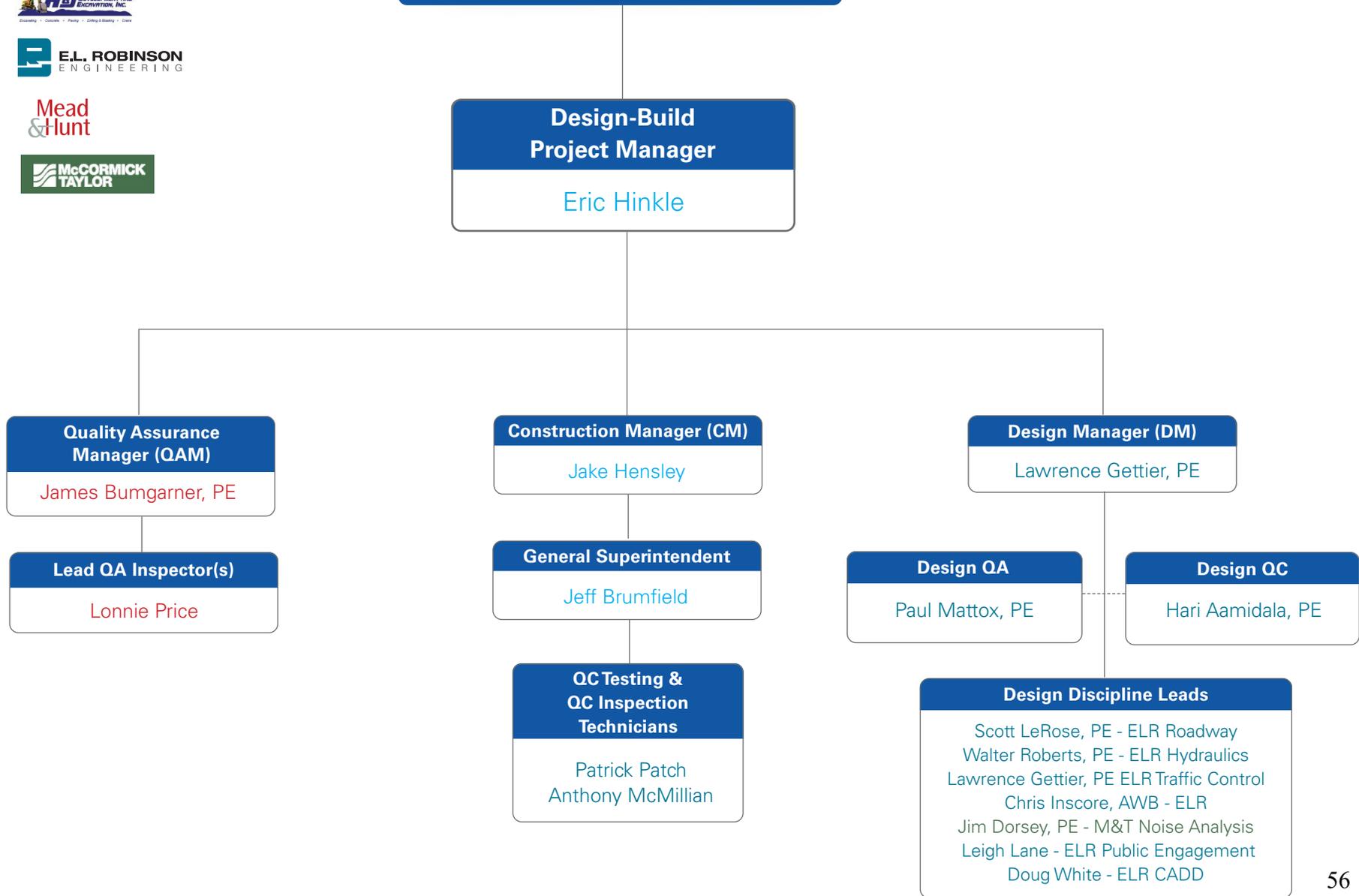
Subscribed and sworn to before me this 25 day of March, 20 21  
Kelley Ann Fletcher My Commission expires 09-30-2024  
 Notary Public



**I-81 MM 48 Northbound  
Acceleration Lane Extension**

Color Key of Design-Build Team

- DEL** DEVELOPMENT AND  
CONSTRUCTION, INC.  
Planning • Design • Permitting • Bidding & Buying • Close
- E.L. ROBINSON**  
ENGINEERING
- Mead  
& Hunt**
- McCORMICK  
TAYLOR**



## ATTACHMENT 4.4.2

### KEY PERSONNEL RESUME FORM

<b>Brief Resume of Key Personnel anticipated for the Project.</b>
a. Name & Title: Eric Hinkle, Assistant General Manager for A & J Development and Excavation, Inc
b. Project Assignment: Design Build Project Manager
c. Name of all Firms with which you are employed at the time of submitting Letter of Submittal. In addition please denote the type of employment (Fulltime/Part Time):  A & J Development and Excavation, Inc. - Full Time
d. Employment History: With this Firm <u>17</u> Years With Other Firms <u>16</u> Years Please list chronologically (most recent first) your employment history, position, general responsibilities, and duration of employment for the last fifteen (15) years. (NOTE: If you have less than 15 years of employment history, please list the history for those years you have worked. Project specific experience shall be included in Section (g) below):  A & J Development and Excavation, Inc. 2003 – current  1. Hired in 2003 to be a project manager for all site work projects – Sign contracts with owners and general contractors. Work with engineers for project start-up. Write sub-contracts and purchase orders for each project. Send RFIs and assist job superintendents. Project close out. 17 years  2. Lead estimator – Final review of estimates sent to owners and general contractors – 8 years  3. Safety Coordinator – Review and monitor all safety sensitive issues in field operations – 10 years  4. Paving Supervisor – Oversight of all paving operations – 8 years  5. Assistant General Manager – Help with daily operations of A & J field personnel. Review contracts and proposals. 5 years
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization:  Broadway High School – Graduated 1986 Massanutten Vo-Tech – 2 years – Architectural Drafting Blue Ridge Community College – 2 years - Drafting and Architectural Design
f. Active Registration: Year First Registered/ Discipline/VA Registration #: NONE
g. Document the extent and depth of your experience and qualifications relevant to the Project. 1. <i>Note your role, responsibility, and specific job duties for each project, not those of the firm.</i> 2. <i>Note whether experience is with current firm or with other firm.</i> 3. <i>Provide beginning and end dates for each project; projects older than fifteen (15) years will not be considered for evaluation.</i>  <b>(List only three (3) relevant projects* for which you have performed a similar function. If additional projects are shown in excess of three (3), the Offeror's response to the RFP may be rendered non-responsive. In any case, only the first three (3) projects listed will be evaluated.)</b>  1. City of Harrisonburg Reservoir Street Expansion – (March 2016 - March 2018) \$10,200,000.00 Project Manager for A & J Excavating – Review contract issues with owner, execute change orders, write sub-contracts and purchase orders. Provide weekly and monthly updated schedules. Attend weekly meetings with owner. Write RFIs to owner and engineer and assist superintendent. Provide all VDOT required paperwork for DBE contractors and forms from suppliers. Final close out.

2. Rockingham County Reservoir Street Expansion – (June 2017 - July 2018) \$3,500,000.00  
Project Manager for A & J Excavating – Review contract issues with owner, execute change orders, write sub-contracts and purchase orders. Provide weekly and monthly updated schedules. Attend weekly meetings with owner. Write RFIs to owner and engineer and assist superintendent. Provide all VDOT required paperwork for DBE contractors and forms from suppliers. Final close out.
3. I-81 Exit 245 North Bound Ramp Re-Alignment – (February 2020 – August 2020) \$2,500,000.00  
Project Manager for A & J Excavating – Review contract issues with owner, execute change orders, write sub-contracts and purchase orders. Provide weekly and monthly updated schedules. Attend weekly meetings with owner. Write RFIs to owner and engineer and assist superintendent. Provide all VDOT required paperwork for DBE contractors and forms from suppliers. Final close out.

\* On-call contracts with multiple task orders (on multiple projects) may not be listed as a single project.

h. For Key Personnel required to be on-site full-time for the duration of construction, provide a current list of assignments, role, and the anticipated duration of each assignment.

**ATTACHMENT 4.4.2**

**KEY PERSONNEL RESUME FORM**

<b>Brief Resume of Key Personnel anticipated for the Project.</b>
a. Name & Title: Warren (Jake) H. Hensley - Construction Manager
b. Project Assignment: Construction Manager - RFP NO: C00116161DB110 Project No. 0081-086-834 PE101,C501
c. Name of all Firms with which you are employed at the time of submitting Letter of Submittal. In addition please denote the type of employment (Fulltime/Part Time): A&J Development & Excavation, Inc. Fulltime
d. Employment History: With this Firm <u>6</u> Years With Other Firms <u>24</u> Years Please list chronologically (most recent first) your employment history, position, general responsibilities, and duration of employment for the last fifteen (15) years. (NOTE: If you have less than 15 years of employment history, please list the history for those years you have worked. Project specific experience shall be included in Section (g) below):  <b>A&amp;J Development &amp; Excavation, Inc. General Superintendent, Project Manager</b> Responsible for ensuring compliance with project requirements, specifications and standards. Responsible for scheduling and budget control.  <b>Branch Highways Inc. Project Superintendent, General Superintendent, Construction Manager</b> for Design build projects  Responsible for scheduling and budget control for project, Responsible for coordination planning and estimating various projects, responsible for managing the construction process to include all quality control activities and ensure all materials used and work performed meet contract requirements plans and specifications.
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization:  Elkton High School, Elkton, VA. Graduated June 1973
f. Active Registration: Year First Registered/ Discipline/VA Registration #: None
g. Document the extent and depth of your experience and qualifications relevant to the Project. 1. <i>Note your role, responsibility, and specific job duties for each project, not those of the firm.</i> 2. <i>Note whether experience is with current firm or with other firm.</i> 3. <i>Provide beginning and end dates for each project; projects older than fifteen (15) years will not be considered for evaluation.</i> <b>(List only three (3) relevant projects* for which you have performed a similar function. If additional projects are shown in excess of three (3), the Offeror's response to the RFP may be rendered non-responsive. In any case, only the first three (3) projects listed will be evaluated.)</b>  1. <b>US Rte. 11 over I-81 Bridge Replacement Project.</b> A&J Development and Excavation, Inc. Project manager responsible for ensuring project was constructed per plans, specifications and standards,

managing schedule and budget and that all subcontractors and suppliers were meeting contract requirements. July 22,2019- December 15,2020.

2. **Exit 245 Northbound exit ramp realignment off I-81.** A&J Development and Excavation, Inc. Project manager responsible for ensuring project was constructed per plans, specifications and standards, managing schedule and budget and that all subcontractors and suppliers were meeting contract requirements. January 9, 2020- August 26,2020.
3. **I-95 HOT Lanes project Garrisonville, VA. To Dumfries, VA.** Branch Highways Inc. Construction manager design build project responsible for managing the construction process to include all quality control activities and ensure all materials used and work performed meet contract requirements plans and specifications. Ensure that all subcontractors and suppliers are on VDOT approved list and they comply with contract documents. March 2013- December 2015

\* On-call contracts with multiple task orders (on multiple projects) may not be listed as a single project.

h. For Key Personnel required to be on-site full-time for the duration of construction, provide a current list of assignments, role, and the anticipated duration of each assignment.

Project Manager for Mill St. Drainage project Dayton, VA. Working with estimating team. Project is to be completed by May 26, 2021. If awarded this project will be assigned to it full time.



Firm: A.L.L. Construction, Inc.	Role: Project Superintendent	Dates: 2013
<ul style="list-style-type: none"> <li>● <b>Role:</b> As Project Superintendent, Jeff was responsible for all aspects of the project performance delivering the project safely, on-time, and within budget. He managed manpower and equipment as well as coordinated with WVDOH to proactively avoid and resolve issues that arose and potential disputes.</li> <li>● <b>Project Highlights:</b> This project was the construction of a roundabout to replace a heavily congested intersection in Morgantown, WV. The work included full depth reconstruction of the existing lanes as well as the construction of the roundabout. The purpose of the project was to improve safety and ease congestion. The project also included a retaining wall, extensive MOT and SWM features.</li> <li>● <b>Impact on Project:</b> This project included a no excuses incentive/disincentive for early or late completion respectively. With thorough planning and execution Jeff was able to meet the incentive date.</li> </ul>		
<b>WVDOH – US Rte.48 Corridor H (\$28.5M) – Scherr, WV</b>		

Firm: Mountaineer Grading Company	Role: Project Superintendent	Dates: 2009 - 2011
<ul style="list-style-type: none"> <li>● <b>Role:</b> As Project Superintendent, Jeff was responsible for all aspects of the project performance delivering the project safely, on-time, and within budget. He managed manpower and equipment as well as coordinated with WVDOH to proactively avoid and resolve issues that arose and potential disputes.</li> <li>● <b>Project Highlights:</b> This project was new construction of 4 lane divided highway and included new roadway section for the entire project. The project was through both culturally and extra environmentally sensitive area. The project also included MOT and SWM features.</li> <li>● <b>Impact on Project:</b> Jeff completed the project in a timely manner with no negative impacts to the environment.</li> </ul>		
* On-call contracts with multiple task orders (on multiple projects) may not be listed as a single project.		

h. For Key Personnel required to be on-site full-time for the duration of construction, provide a current list of assignments, role, and the anticipated duration of each assignment.

None

**ATTACHMENT 4.4.2**

**KEY PERSONNEL RESUME FORM**

<b>Brief Resume of Key Personnel anticipated for the Project.</b>
a. Name & Title: George Lawrence Gettier, P.E., Design Manager
b. Project Assignment: Design Manager, I-81 MM48 Northbound Acceleration Lane Extension, Contract ID Number: C00116161DB110
c. Name of all Firms with which you are employed at the time of submitting Letter of Submittal. In addition please denote the type of employment (Fulltime/Part Time): E.L. Robinson Engineering, Fulltime.
d. Employment History: With this Firm <u>2</u> Years. With Other Firms <u>51</u> Years. Please list chronologically (most recent first) your employment history, position, general responsibilities, and duration of employment for the last fifteen (15) years. (NOTE: If you have less than 15 years of employment history, please list the history for those years you have worked. Project specific experience shall be included in Section (g) below):  April 2019 - Present, E.L. Robinson Engineering, Senior Engineer. Lead Engineer for development of Transportation Management Plans, Pavement Marking Plans, and Signing Plans. Perform QA/QC services for Transportation Management Plans, Pavement Marking Plans, Signing, Lighting, Signals & ITS Plans.  April 2015 – April 2019, Louis Berger Group/WSP Engineering, Senior Traffic Control Engineer, Responsible for development and leading of design teams in the preparation of Transportation Management, Pavement Marking and Signing Projects.  October 2008 – June 2014, North Carolina Department of Transportation, Traffic Mobility & Safety Division, Regional Traffic Control Engineer. Responsible for directing two design squads in the development, analysis, preparation, and implementation of comprehensive Transportation Management Plan strategies for 36 counties in the western part of the State of North Carolina.  July 1994 – October 2008 – North Carolina Department of Transportation, Traffic Engineering Branch, Traffic Control Section, -Traffic Control Project Engineer. Responsible for planning, coordinating and supervising a Traffic Control Squad of 12 Engineers and Technicians in the development, analysis, preparation, and implementation of Traffic Control and Pavement Marking Plans for approximately one-third of NCDOT's construction projects. Along with the technical aspects of design, coordinate with other NCDOT Units, Federal Highway Administration, municipalities, other governmental agencies, private engineering firms, utility companies, and contractors, to develop successful transportation solutions that assist the Department in meeting its project schedule goals.
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization: North Carolina State University, Raleigh, N.C./ B.S./ 1969 / Civil Engineering (Construction Option),
f. Active Registration: Year First Registered/ Discipline/VA Registration #: 2020 / Civil / #0402062059
g. Document the extent and depth of your experience and qualifications relevant to the Project. <ol style="list-style-type: none"><li>1. <i>Note your role, responsibility, and specific job duties for each project, not those of the firm.</i></li><li>2. <i>Note whether experience is with current firm or with other firm.</i></li><li>3. <i>Provide beginning and end dates for each project; projects older than fifteen (15) years will not be considered for evaluation.</i></li></ol> <b>(List only three (3) relevant projects* for which you have performed a similar function. If additional projects are shown in excess of three (3), the Offeror's response to the RFP may be rendered non-responsive. In any case, only the first three (3) projects listed will be evaluated.)</b>

**Relevant Project #1: VDOT (I66 Express Mobility Partners) Transform 66 Outside the Beltway: Fairfax County, VA – (With Louis Berger/WSP 2017-2018)**

This I-66 project is part of a \$3.7 Billion Public Private Partnership (P3) managed-lanes, design-build, project, with Louis Berger providing design services. To improve travel on the I-66 general purpose lanes, four express lanes will be added within the median of the corridor. Mr. Gettier was responsible for leading the traffic management and traffic control planning effort. He was responsible for developing transportation management strategies, including coordinating, supervising, and reviewing plans for the segment which includes several complex interchanges. The 22.5-mile corridor has been divided into three sections and Lawrence coordinated with the other design firms to develop a cohesive plan. In addition, he provided QA/QC services for traffic control, pavement marking, and signing plans associated with this significant P3 effort.

**Relevant Project #2: NCDOT (I77 Mobility Partners): Design-Build, P3 Projects for I-77 Managed-Lanes: Mecklenburg and Iredell Counties, NC. – (With Louis Berger/WSP 2015-2018)**

Louis Berger served as lead designer during the tender design phase and is engineer of record through the final design of this first Public Private Partnership (P3) project to be executed by NCDOT. This \$647 Million project provides the addition of managed lanes along a 26-mile corridor. I-77 traverses through a densely populated and environmentally sensitive area (Lake Norman), as well as into the urban uptown of Charlotte. Mr. Gettier was the Lead Designer during tender design phase, and Engineer-of-Record and Traffic Engineering Task Leader through the final design phase, responsible for overseeing the development of all traffic management and pavement marking plans for the project. In addition, he provided QA/QC services for traffic control, pavement marking, signing, lighting and intelligent transportation systems(ITS) communication infrastructure plans associated with this significant P3 effort.

**Relevant Project #3: WVDOT: I-70 Mining Longwall Projects – Panels 16-20 (WVDOT – Engineering and D6): Ohio County, WV. – (With current firm - E. L. Robinson Engineering 2019 - Present)**

This Project is to maintain traffic on I-70 in WV, during mining operations, in which 4.5 feet of predicted subsidence occurs due to coal extraction from longwall mining panels that pass 800' beneath I70, including underneath a WV Welcome Center. Also, included in the project is repair and reconstruction of I-70 after the subsidence is finalized. Mr. Gettier is the Lead Traffic Engineer, responsible for providing Maintenance of Traffic, Signing, and Pavement Marking Plans.

\* On-call contracts with multiple task orders (on multiple projects) may not be listed as a single project.

h. For Key Personnel required to be on-site full-time for the duration of construction, provide a current list of assignments, role, and the anticipated duration of each assignment. **N/A**

**ATTACHMENT 4.4.2**

**KEY PERSONNEL RESUME FORM**

<b>Brief Resume of Key Personnel anticipated for the Project.</b>
a. Name & Title: James A. Bumgarner, Jr., PE, Quality Assurance Manager
b. Project Assignment: Quality Assurance Manager
c. Name of all Firms with which you are employed at the time of submitting Letter of Submittal. In addition please denote the type of employment (Fulltime/Part Time): Mead & Hunt, Fulltime
d. Employment History: With this Firm <u>16</u> Years With Other Firms <u>7</u> Years Please list chronologically (most recent first) your employment history, position, general responsibilities, and duration of employment for the last fifteen (15) years. (NOTE: If you have less than 15 years of employment history, please list the history for those years you have worked. Project specific experience shall be included in Section (g) below):  June 2018-Present, Mead & Hunt, Business Unit Leader, Responsible for leading a team of design engineers, construction engineers, and civil engineering technicians in the development and construction of transportation projects across Virginia, West Virginia, and Ohio.  August 2005-June 2018, Mead & Hunt, Department Manager, Responsible for leading a team of design engineers, construction engineers, and civil engineering technicians in the development and construction of transportation projects across Virginia, West Virginia, and Ohio.  December 1998-August 2005, TRC Engineers, Civil Engineer, Responsible for the design and development of transportation projects across Virginia, West Virginia, and Ohio.
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization: Marshall University, Huntington, WV / MBA / 2003 / Business Administration West Virginia University, Morgantown, WV / BS / 1998 / Civil Engineering West Virginia State College, Institute, WV / AAS / 1995 / CADD
f. Active Registration: Year First Registered/ Discipline/VA Registration #: 2009 / Civil / #0402046895
g. Document the extent and depth of your experience and qualifications relevant to the Project. 1. <i>Note your role, responsibility, and specific job duties for each project, not those of the firm.</i> 2. <i>Note whether experience is with current firm or with other firm.</i> 3. <i>Provide beginning and end dates for each project; projects older than fifteen (15) years will not be considered for evaluation.</i> <b>(List only three (3) relevant projects* for which you have performed a similar function. If additional projects are shown in excess of three (3), the Offeror's response to the RFP may be rendered non-responsive. In any case, only the first three (3) projects listed will be evaluated.)</b>  <u>Relevant Project #1 - I-64 Merritt's Creek to Barboursville Widening, West Virginia Division of Highways</u> Quality Assurance Manager for Mead & Hunt James was responsible for leading a team of design engineers, construction engineers, and civil engineering technicians to provide pre-award and post-award services which included the development of the Request for Qualifications (RFQ) and helping the WVDOH evaluate the Statements of Qualifications (SOQ) of the proposed bidders and ultimately short list the project. After the short list, Mead & Hunt was responsible for the development of the Project Criteria, the Request for Proposals (RFP) and all associated exhibits, the preparation of RFP Amendments, Design Review, Quality Control/Quality Assurance Construction Inspection, and Quality Assurance Material Certification. Mead & Hunt provided support to the WVDOH to respond to RFI on BidX, participated in proprietary meetings with the D-B teams, and ultimately provided review and evaluation of the bidders Technical Proposals. The project bid which came in under the Engineers Estimate was awarded to Triton Construction, Inc.

Mead & Hunt is currently provided post-award quality assurance services during construction which include the review of the final design plans from Triton. James is also leading the Quality Assurance Construction Inspection of the project and working on the Quality Control Construction Inspection of the project to ensure that this D-B project results in high quality construction for the WVDOH.

James manages the construction inspection and material certification team on this project. Mead & Hunt is providing office materials management and construction inspection services for this \$72 million, 2.9-mile interstate widening project. The project involves doubling the capacity of I-64 from four lanes to eight lanes, as well as the replacement of five sets of Interstate bridges. Once complete, the project will reduce congestion along this heavily traveled stretch of I-64. The project is currently under construction. Total Cost: \$71,690,000.00.

Relevant Project #2 - I-64 US 35 I/C to Nitro Widening QA CEI, West Virginia Division of Highways  
Quality Assurance Manager for Mead & Hunt

James manages the construction inspection team on this project. Mead & Hunt is providing the project supervision as well as the quality assurance construction inspection services and quality assurance material certification for this \$225 million, design build interstate widening project. This is the largest design build project ever awarded by the WVDOH. The project involves doubling the capacity of I-64 from four lanes to eight lanes, construction of a new Kanawha River crossing at Nitro, construction of a new interchange at Nitro, as well as the phased widening of four sets of interstate bridges. Once complete, the project will reduce congestion along this heavily-traveled stretch of I-64. The project is currently under construction. Total Cost: \$225,000,000.00

Relevant Project #3 - US 35 Paving and Interchange Inspection, West Virginia Division of Highways  
Quality Assurance Manager for Mead & Hunt

James managed the construction for this \$66 million, four-lane expressway and grade separated interchange project. Mead & Hunt is providing project supervision and inspection services for 14.6 miles of the US 35 corridor between I-64 near Charleston, West Virginia and Gallipolis, Ohio. Mead & Hunt was originally selected to provide inspection services, and ultimately WVDOH selected Mead & Hunt to provide project supervision as well. As a result, Mead & Hunt is overseeing the inspection, materials testing and sampling work closely with the area engineer to ensure the contractor's estimate is paid correctly and in a timely manner. The project involves cut-fill transitions, grading, subgrade placement, multiple lifts of asphalt, drainage, pavement markings, guardrail, signs, seeding and mulching, erosion and sediment control, traffic control, roadway lighting, MSE walls and a pair of bridges. The completion of the project will increase the safety of the traveling public, improve access to existing industry and provide economic development opportunities to the region. The project is currently under construction. Total Cost: \$225,000,000.00

\* On-call contracts with multiple task orders (on multiple projects) may not be listed as a single project.

h. For Key Personnel required to be on-site full-time for the duration of construction, provide a current list of assignments, role, and the anticipated duration of each assignment. N/A

**ATTACHMENT 4.4.3 (Post Notice of Intent to Award)**

**I-81 MM 48 Northbound Acceleration Lane Extension**

**State Project No. 0081-086-834 PE101, C501**

**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 4.4.3 and that all businesses and individuals listed are active and in good standing.

SCC & DPOR INFORMATION FOR BUSINESSES (RFP Sections 4.4.3.1 and 4.4.3.2)							
Business Name	SCC Information (4.4.3.1)			DPOR Information (4.4.3.2)			
	SCC Number	SCC Type of Corporation	SCC Status	DPOR Registered Address	DPOR Registration Type	DPOR Registration Number	DPOR Expiration Date
A & J Development and Excavation, Inc.	02744811	Stock Corporation	Active	425 Cecil Wampler Rd Mt Crawford, VA 22841	Contractor	2701031920	05-31-2022
E. L. Robinson Engineering Co.	F2104455	Stock Corporation	Active	5088 Washington St. West Charleston, WV 25313	Business Entity	0407004252	12-31-2021
E. L. Robinson Engineering Co.	F2104455	Stock Corporation	Active	4140 Pleasant Valley Road Suite 101 Chantilly, VA 20150	Branch Office	0411001550	02-28-2022
E. L. Robinson Engineering Co.	F2104455	Stock Corporation	Active	93 Virginia St Beckley, WV 25801	Branch Office	0411001574	02-28-2022
E. L. Robinson Engineering Co.	F2104455	Stock Corporation	Active	3363 Six Forks Rd Raleigh, NC 27609	Branch Office	0411001504	02-28-2022
E. L. Robinson Engineering Co.	F2104455	Stock Corporation	Active	1301 Gervais St Suite 450 Columbia, SC 29201	Branch Office	0411001534	02-28-2022
E. L. Robinson Engineering Co.	F2104455	Stock Corporation	Active	1801 Watermark Dr Suite 310 Columbus, OH 43215	Branch Office	0411001505	02-28-2022
Mead and Hunt, Inc.	F1285008	Stock	Active	2440 Deming Way, Middleton, WI 53562	Business Entity	407005820	12-31-2021
Mead and Hunt, Inc.	F1285008	Stock	Active	8150 Leesburg Pike Suite 630, Vienna, VA 22182	Business Entity Branch Office	411001541	02-28-2022
Mead and Hunt, Inc.	F1285008	Stock	Active	400 Tracy Way Suite 200 Charleston, WV 25311	Business Entity Branch Office	411000789	02-28-2022

**ATTACHMENT 4.4.3 (Post Notice of Intent to Award)**  
**I-81 MM 48 Northbound Acceleration Lane Extension**  
**State Project No. 0081-086-834 PE101, C501**  
**SCC and DPOR Information**

<b>DPOR INFORMATION FOR INDIVIDUALS (RFP Sections 4.4.3.3 and 4.4.3.4)</b>						
<b>Business Name</b>	<b>Individual's Name</b>	<b>Office Location Where Professional Services will be Provided (City/State)</b>	<b>Individual's DPOR Address</b>	<b>DPOR Type</b>	<b>DPOR Registration Number</b>	<b>DPOR Expiration Date</b>
<b>E. L. Robinson Engineering Co.</b>	<b>George Lawrence Gettier</b>	<b>3363 Six Forks Rd Raleigh, NC 27609</b>	<b>3317 Horseshoe Bend Raleigh, NC 27613</b>	<b>Professional Engineer</b>	<b>0402062059</b>	<b>5/31/2022</b>
<b>Mead and Hunt, Inc.</b>	<b>James Bumgarner</b>	<b>400 Tracy Way Suite 200 Charleston, WV 25311</b>	<b>1039 Creekstone Ridge South Charleston, WV 25309</b>	<b>Professional Engineer</b>	<b>0402046895</b>	<b>12/31/2021</b>

**Attachment 4.4.5**  
**State Project: 0081-086-834 PE101, C501**

**SCHEDULE OF ITEMS (ver. 4-15-2014)**

This Schedule of Items shall identify the total material quantities and costs of each proposed pay item, using item codes and units of measure that are consistent with VDOT's list of standard and non-standard item codes. The Schedule of Items shall be used to cost-load the project schedule, which will serve as the basis for progress payments. Any pay items considered for price adjustments shall be identified. The values and quantities shall be clearly supported by the escrowed pricing documents.

Date:

VDOT Item Code <sup>1</sup>	Item Description	Fuel (F) or Price (P) Adjustment	Approximate Quantity		Units <sup>1</sup>	Budgeted Cost (\$)
100	MOBILIZATION		1	LS	\$ 404,021.00	\$ 404,021.00
101	CONSTRUCTION SURVEYING CONSTRUCTION		1	LS	\$ 46,000.00	\$ 46,000.00
111	CLEARING AND GRUBBING	F	2.70	ACRE	\$ 20,000.00	\$ 54,000.00
120	REGULAR EXCAVATION	F	78,350	CY	\$ 25.78	\$ 2,019,863.00
1240	24" PIPE		12	LF	\$ 529.00	\$ 6,348.00
1420	42" PIPE		6	LF	\$ 625.00	\$ 3,750.00
6240	24" END SECTION ES-1 OR 2		2	EA	\$ 475.00	\$ 950.00
6420	42" END SECTION ES-1 OR 2		1	EA	\$ 1,100.00	\$ 1,100.00
9185	PAVED DITCH PG-2A	P	555	SY	\$ 95.00	\$ 52,725.00
10065	AGGR. MATL. NO. 1	P	7,500	TN	\$ 32.00	\$ 240,000.00
10128	AGGR. BASE MATL. TY. I NO. 21B	P	9,000	TN	\$ 29.00	\$ 261,000.00
10609	ASPHALT CONCRETE TY. SM-12.5E	P	2,468	TN	\$ 122.50	\$ 302,330.00
10612	ASPHALT CONCRETE TY. IM-19.0E	P	1,178	TN	\$ 118.50	\$ 139,593.00
10628	FLEXIBLE PAVEMENT PLANING 0" - 2"	F	13,761	SY	\$ 7.50	\$ 103,207.50
10642	ASPHALT CONCRETE TY. BM-25.0A	P	4,981	TN	\$ 98.00	\$ 488,138.00
10700	RUMBLE STRIP CYLINDRICAL ASPHALT		3,981	LF	\$ 4.30	\$ 17,118.30
10701	LIQUID ASPHALT RUMBLE STRIP COATING	P	2,213	SY	\$ 3.00	\$ 6,639.00
11070	NS SAW-CUT ASPH CONC I-81 FULL DEPTH		3,644	LF	\$ 5.00	\$ 18,220.00
13280	GUARDRAIL GR-MGS1	P	3,497	LF	\$ 22.00	\$ 76,934.00
13288	GUARDRAIL HEIGHT TRANSITION GR- MGS4		2	EA	\$ 1,000.00	\$ 2,000.00
13400	NS GUARDRAIL BACK BEAM FOR BOULDERS	P	3,497	LF	\$ 13.25	\$ 46,335.25
13604	IMPACT ATTEN. SER. TY. 1 TL-3, >=40 MPH		3	EA	\$ 8,000.00	\$ 24,000.00
24100	ALLAYING DUST		200	HR	\$ 75.00	\$ 15,000.00
24272	TRUCK MOUNTED ATTENUATOR		2,500	HR	\$ 88.00	\$ 220,000.00
24278	GROUP 2 CHANNELIZING DEVICES		20,000	DAY	\$ 1.50	\$ 30,000.00
24279	PORTABLE CHANGEABLE MESSAGE SIGN		7,000	HR	\$ 12.00	\$ 84,000.00
24281	ELECTRONIC ARROW BOARD		2,000	HR	\$ 10.00	\$ 20,000.00
24282	FLAGGER SERVICE		200	HR	\$ 52.00	\$ 10,400.00
24290	TRAFFIC BARRIER SERVICE CONC. MB-7D PC		3,760	LF	\$ 45.00	\$ 169,200.00
24430	DEMOLITION OF PAVEMENT FLEXIBLE		5,040	SY	\$ 13.00	\$ 65,520.00
24600	REMOVE EXISTING GUARDRAIL		1,962	LF	\$ 4.40	\$ 8,632.80
25505	FIELD OFFICE TY.I		12	MO	\$ 3,200.00	\$ 38,400.00
25565	PROGRESS SCHEDULE BASELINE		1	LS	\$ 6,000.00	\$ 6,000.00
25567	PROGRESS SCHEDULE UPDATES		10	EA	\$ 600.00	\$ 6,000.00

25570	NS CONTRACT RECONSTRUCT SERVICE ROAD CONSTRUCTION ACCESS		1	LS	\$ 65,000.00	\$ 65,000.00
25592	DESIGN BUILD RISK COST (Approx. 5%)		1	LS	\$ 650,000.00	\$ 650,000.00
25596	DESIGN BUILD DESIGN ENGINEERING (Approx. 10%)		1	LS	\$ 840,000.00	\$ 840,000.00
27012	TOPSOIL CLASS A 2"		1	ACRE	\$ 25,000.00	\$ 25,000.00
27101	TEMPORARY SEED		960	LB	\$ 16.50	\$ 15,840.00
27102	REGULAR SEED		540	LB	\$ 17.60	\$ 9,504.00
27103	OVERSEEDING		270	LB	\$ 17.60	\$ 4,752.00
27215	FERTILIZER 15-30-15		1,350	LB	\$ 1.15	\$ 1,552.50
27318	ROLLED EROSION CTRL PRODUCT EC- 2 TYPE 1		1,000	SY	\$ 3.50	\$ 3,500.00
27410	CHECK DAM, ROCK TY. I		4	EA	\$ 450.00	\$ 1,800.00
27415	CHECK DAM ROCK TY. II		30	EA	\$ 600.00	\$ 18,000.00
27430	SILTATION CONTROL EXCAVATION		131	CY	\$ 5.00	\$ 655.00
27505	TEMP. SILT FENCE TYPE A		1,600	LF	\$ 5.50	\$ 8,800.00
28501	NS WETLAND NUTRIENT CREDIT		1	LS	\$ 50,000.00	\$ 50,000.00
50108	SIGN PANEL	P	242	SF	\$ 34.00	\$ 8,228.00
50404	VA SIGN POST, W4 x 13	P	15	LF	\$ 600.00	\$ 9,000.00
50430	SIGN POST STP-1, 2", 14 GAUGE	P	30	LF	\$ 18.00	\$ 540.00
50434	SIGN POST STP-1, 2 1/2", 10 GAUGE	P	90	LF	\$ 23.00	\$ 2,070.00
50436	SIGN POST STP-1, 2 1/2", 12 GAUGE	P	75	LF	\$ 20.00	\$ 1,500.00
50485	CONCRETE SIGN FOUNDATION STP-1, TYPE A	P	7	EA	\$ 900.00	\$ 6,300.00
50486	CONCRETE SIGN FOUNDATION STP-1, TYPE B	P	6	EA	\$ 1,100.00	\$ 6,600.00
50502	CONC. SIGN FOUND., SSP-V A 1'9" DIA. X 4'6" DEPTH	P	1	EA	\$ 4,100.00	\$ 4,100.00
50900	NS TRAFFIC SIGN U-CHANNEL POST	P	90	LF	\$ 14.00	\$ 1,260.00
54076	TYPE B CLASS VI PVMT LINE MRKG 6"	P	10,000	LF	\$ 3.75	\$ 37,500.00
54543	TYPE D, CLASS III TEMP. PVMT MRKG 6"	P	8,459	LF	\$ 3.25	\$ 27,491.75
54544	TYPE D, CLASS III TEMP. PVMT MRKG 8"	P	1,401	LF	\$ 4.30	\$ 6,024.30
54219	PLASTIC INLAY MARKERS	P	90	EA	\$ 85.00	\$ 7,650.00
24160	TEMPOARY CONSTRUCTION SIGNS		800	SF	\$ 30.00	\$ 24,000.00
27250	LIME		9	TON	\$ 150.00	\$ 1,350.00
22541	FENCE FE-W1,W2 (INCLUDES BRACES)		4,000	LF	\$ 28.00	\$ 112,000.00
27113	HECP TYPE 4 TACK		21,780	SY	\$ 1.03	\$ 22,433.40
						\$ 6,959,875.80

<sup>1</sup> Use five-digit work item codes and units of measure that are consistent with VDOT's list of standard and non-standard item codes (i.e. 00100-Mobilization; 00120-Regular Excavation, etc...).

ATTACHMENT 4.3.1

PRICE PROPOSAL FORM

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

Price Proposal Cost Breakdown Summary;

Design Services, LS	\$ <u>438,499.00</u>
Construction Services (exclude QA/QC), LS	\$ <u>6,119,873.80</u>
Quality Assurance (QA) (Construction), LS	\$ <u>179,640.00</u>
Quality Control (QC) (Construction), LS	\$ <u>221,863.00</u>

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

Lump Sum (LS): SIX MILLION NINE HUNDRED FIFTY NINE THOUSAND  
EIGHT HUNDRED SEVENTY FIVE DOLLARS AND (\$ 6,959,873.80)  
EIGHTY CENT

Signature: Paul M. James V.P. Date: 4-12-2021

Design-Builder: A+J DEVELOPMENT AND EXCAVATION, INC

Vendor No.: A671