



Virginia Department of Transportation

Contract ID #C00116161DB110

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

Federal Project No.: NHPP-081-1(367)

April 12, 2021

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



Route 58 Widening
Phase III



I-77 / I-81 Auxiliary
Lane Addition



US 460 Bypass / Southgate
Drive Interchange



I-81 Exit 14 Interchange
Reconstruction

VOLUME I - Letter of Submittal and Attachments

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





Attachment 4.0.1.1
Letter of Submittal Checklist and Contents

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.

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

ATTACHMENT 4.0.1.1

I-81 MM 48 Northbound Acceleration Lane Extension

LETTER OF SUBMITTAL CHECKLIST AND CONTENTS

Letter of Submittal Component	Form (if any)	RFP Part 1 Cross Reference	Page Reference
Attachments to the Letter of Submittal	NA	Section 4.2	
Affiliated and/ or Subsidiary Companies	Attachment 4.2.1	Section 4.2.1	4-14
Certification Regarding Debarment Forms	Attachment 4.2.2(a) Attachment 4.2.2(b)	Section 4.2.2	15-20
Offeror's VDOT prequalification information	NA	Section 4.2.3	21
Evidence of obtaining bonding	NA	Section 4.2.4	22-24
Full size copies of DPOR licenses and SCC registrations	NA	Section 4.2.5	25-44
SCC registration information - businesses	Attachment 4.2.5	Section 4.2.5.1	45
DPOR registration information - businesses	Attachment 4.2.5	Section 4.2.5.2	45
Lead Contractor Work History Form	Attachment 4.2.6(a)	Section 4.2.6	46-48
Lead Designer Work History Form	Attachment 4.2.6(b)	Section 4.2.6	49-51
Conceptual Roadway Plans	NA	Section 4.2.7	52-57



Attachment 3.2 (Form C-78-RFP)
Acknowledgement of RFP, Revisions, and/or Addenda

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

Jerry Short
SIGNATURE

4/9/2021
DATE

JERRY SHORT
PRINTED NAME

PRESIDENT
TITLE



SECTION 4.1

Letter of Submittal



April 9, 2021

Mr. Jeffery A. Roby, P.E., DBIA
Alternative Project Delivery Division
Virginia Department of Transportation
1401 East Broad Street
Annex Building, 5th Floor
Richmond, VA 23219

Re: **Letter of Submittal**
I-81 MM48 Northbound Acceleration Lane Extension
Smyth County, Virginia
State Project No.: 0081-086-834 PE101, C501
Federal Project No.: NHPP-081-1(367)
Contract ID Number: C00116161DB110

Dear Mr. Roby:

W-L Construction & Paving, Inc. (1484 Highway 107, Chilhowie, VA 24319) as the Offeror, is pleased to submit this Letter of Submittal in response to the VDOT Request for Proposal dated January 28, 2021; revised by Addendum No. 1 dated February 5, 2021; Addendum No. 2 dated March 8, 2021; Addendum No. 3 dated March 18, 2021; and Addendum No. 4 dated March 25, 2021, for the above-referenced project, together with A. Morton Thomas and Associates, Inc. as the Prime Design Consultant.

4.1.2 Offeror's Intent: Should VDOT choose W-L Construction & Paving, Inc. for the award of the I-81 MM48 Northbound Acceleration Lane Extension, W-L will enter a contract with VDOT for the project in accordance with the terms of the RFP.

4.1.3. Declaration of Effectiveness: In accordance with Part 1 Section 8.2, the W-L Construction & Paving, Inc. proposal will remain in full force and effect for one hundred twenty (120) days after the Letter of Submittal and Price Proposal date submitted to VDOT.

4.1.4 Point of Contact:
Chris Blevins, P.E.
Design Build Project Manager
W-L Construction & Paving, Inc.
1484 Highway 107
Chilhowie, VA 24319
(P) 276-646-4484
(F) 276-646-8179
chris.blevins@w-lconstruction.com



4.1.5 Principal Officer:

Jerry Short, P.E., L.S.
President
W-L Construction & Paving, Inc.
1484 Highway 107
Chilhowie, VA 24319
(P) 276-646-3804
(F) 276-646-8179
jshort@w-lconstruction.com

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

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

Lead Contractor: W-L Construction & Paving, Inc.
Lead Designer: A Morton Thomas and Associates, Inc.
Quality Assurance Firm: A Morton Thomas and Associates, Inc.
Quality Control Firm: Quinn Consulting Services, Inc.

4.1.8 Offer's VDOT Prequalification number: W048 (Active), Attached Copy of Certification

4.1.9 DBE Participation: W-L Construction & Paving, Inc. is committed to achieving a ten percent (10%) DBE participation goal for the entire value of this project.

4.1.10 Final Completion Date: July 25, 2022

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

Sincerely,

Jerry Short, P.E., L.S.
President
W-L Construction & Paving, Inc.



SECTION 4.2

Attachments to Letter of Submittal



Attachment 4.2.1
Affiliated and/or Subsidiary Companies

ATTACHMENT 4.2.1

I-81 MM 48 Northbound Acceleration Lane Extension

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

Affiliated and Subsidiary Companies of the Offeror

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

The Offeror does not have any affiliated or subsidiary companies.

Affiliated and/ or subsidiary companies of the Offeror are listed below.

Relationship with Offeror (Affiliate or Subsidiary)	Full Legal Name	Address
Affiliate	3825 Real Estate Investment, LLC	3815 Springfield Xenia Rd, Springfield, OH 45506
Affiliate	A Mining Group, LLC	Suite 600, 900 Ashwood Pkwy, Atlanta, GA 30338
Affiliate	All Ohio Ready-Mix Transportation, Inc.	c/o The Shelly Company, 80 Park Drive, Thornville, OH 43076
Affiliate	American Cleaning and Maintenance Enterprises, Inc.	706 W. Tampa, Springfield, MO 65802
Affiliate	Anchor Wall Engineering, LLC	Suite 390, 5959 Baker Road, Minnetonka, MN 55345
Affiliate	Anchor Wall Systems Limited	Suite 600, 900 Ashwood Parkway, Atlanta, GA 30338
Affiliate	Anchor Wall Systems, Inc.	Suite 390, 5959 Baker Rd, Minnetonka, MN 55345
Affiliate	APAC Construction Communications Company	Suite 600, 900 Ashwood Parkway, Atlanta, GA 30338
Affiliate	APAC-Atlantic, Inc.	Suite 600, 900 Ashwood Parkway, Atlanta, GA 30338
Affiliate	APAC-Central, Inc.	755 E Millsap Rd, Fayetteville, AR 72703
Affiliate	APAC-Kansas, Inc.	Suite 1, 1600 North Lorraine, Hutchinson, KS 67501
Affiliate	APAC-Mississippi, Inc.	101 Riverview Drive, Richland, MS 39218
Affiliate	APAC-Tennessee, Inc.	1210 Harbor Avenue, Memphis, TN 38113
Affiliate	APG Mid-Atlantic, Inc.	1231 Willis Road, Richmond, VA 23237
Affiliate	Appalachian Aggregates, LLC	2950 Charles Ave., Dunbar, WV 25064
Affiliate	Arkhol Marine L.P.	255 Kettle Pond Drive, Wakefield, RI 02879

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Affiliated and Subsidiary Companies of the Offeror

Affiliate	Ash Grove Aggregates, Inc.	11011 Cody Street, Overland Park, KS 66210
Affiliate	Ash Grove Cement Company	11011 Cody St., Overland Park, KS 66210
Affiliate	Ash Grove Charitable Foundation	11011 Cody Street, Overland Park, KS 66210
Affiliate	Ash Grove Investments, LLC	11011 Cody Street, Overland Park, KS 66210
Affiliate	Ash Grove Materials Corporation	11011 Cody Street, Overland Park, KS 66210
Affiliate	Ash Grove Packaging Group, Inc.	11011 Cody St., Overland Park, KS 66210
Affiliate	Ash Grove Resources, LLC	1520 SW 41st, Topeka, KS 66606
Affiliate	Asheboro Bypass Constructors, LLC	300 South Benbow Road, Greensboro, NC 27401
Affiliate	Ashley Acquisition, LLC	Suite 200, 4720 E. Cotton Gin Loop, Phoenix, AZ 85040
Affiliate	Asphalt Inc., LLC	4636 Scarborough Drive, Lutz, FL 33559
Affiliate	Barriere Construction Co., L.L.C.	Suite 1650, One Galleria Blvd, Metairie, LA 70001
Affiliate	Belgard Finance Company, Inc.	Suite 350, 375 Northridge Road, Atlanta, GA 30350
Affiliate	Bellco Materials, Inc.	Suite 300, 4150 S. 100th E. Avenue, Tulsa, OK 74146
Affiliate	Binggeli Rock Products, Inc.	2350 South 1900 West, Ogden, UT 84401
Affiliate	Bolles Real Estate Holdings, LLC	5959 Baker Road, Suite 390, Minnetonka, MN 55345
Affiliate	Bonsal American, Inc.	8201 Arrowridge Boulevard, Charlotte, NC 28224
Affiliate	Bridgecorp	145 River Road, Lewiston, ME 04240
Affiliate	Buchanan Marine, Inc.	39 Ferry Street, New Haven, CT 06513
Affiliate	Buchanan Marine, L.P.	39 Ferry Street, New Haven, CT 06111
Affiliate	Buckeye Ready-Mix, LLC	7661 Taylors Road, Reynoldsburg, OH 43068

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Affiliated and Subsidiary Companies of the Offeror

Affiliate	Buckeye Resources, Inc.	3815 Springfield Xenia Rd, Springfield, OH 45506
Affiliate	C. R. Laurence Co., Inc.	2503 E. Vernon Ave., Los Angeles, CA 90058
Affiliate	Cadillac Asphalt, L.L.C.	Suite 100, 2575 Haggerty Road, Canton, MI 48188
Affiliate	Callanan Industries, Inc.	8 Southwoods Blvd., 4th Floor, Albany, NY 12211
Affiliate	Camden Materials, LLC	2950 Charles Avenue, Dunbar, WV 25064
Affiliate	Carey Short Line Corporation	P.O. Box 99, 1794 CR 99, Carey, OH 43316-0099
Affiliate	CCP Properties, Inc.	11011 Cody St., Overland Park, KS 66210
Affiliate	Central Alabama Transport, Inc.	3010 Rice Mine Road NE, Tuscaloosa, AL 35406
Affiliate	Central Allied Enterprises, Inc.	1243 Raff Road SW, Canton, OH 44710
Affiliate	Central Concrete Supply, LLC	801 E. 230 S., Jasper, IN 47546
Affiliate	Central Supply Company of West Virginia	4923 Benedum Drive, Bridgeport, WV 26330
Affiliate	Century Concrete, Inc.	11011 Cody St., Overland Park, KS 66210
Affiliate	Cody Capital, LLC	11011 Cody St., Overland Park, KS 66210
Affiliate	Columbus Limestone, Inc.	80 Park Drive, Thornville, OH 43076
Affiliate	Composite Technologies LLC	1000 Technology Drive, Boone, IA 50036
Affiliate	Conco Quarries, Incorporated	431 South Jefferson, Suite 250, Springfield, MO 65806
Affiliate	Concrete Company of Springfield	431 South Jefferson, Suite 250, Springfield, MO 65806
Affiliate	Concrete Company of the Ozarks	431 S. Jefferson, Suite 250, Springfield, MO 65806
Affiliate	Concrete Insulation Systems, LLC	1312 XB Place, Ames, IA 50014
Affiliate	Concrete Specialties (Kenosha) LLC	8011 Green Bay Road, Kenosha, WI 53142

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Affiliated and Subsidiary Companies of the Offeror

Affiliate	Concrete Specialties Co. (Elgin)	1375 Gifford Road, Elgin, IL 60120
Affiliate	Concrete Specialties Co. (Romeoville-South Beloit)	PO Box 7369, Romeoville, IL 60446
Affiliate	Concrete Supply, L.L.C.	4300 Vogel Road, Evansville, IN 47715
Affiliate	Coral Industries, Inc.	3010 Rice Mine Road NE, Tuscaloosa, AL 35406
Affiliate	CPM Development Corporation	5111 E. Broadway Avenue, Spokane Valley, WA 99212
Affiliate	CRH America Finance, Inc.	900 Ashwood Pkwy., Suite 600, Atlanta, GA 30338
Affiliate	CRH America, Inc.	Suite 600, 900 Ashwood Parkway, Atlanta, GA 30338
Affiliate	CRH Americas Materials, Inc.	Suite 600, 900 Ashwood Parkway, Atlanta, GA 30338
Affiliate	CRH Americas Products, Inc.	Suite 600, 900 Ashwood Parkway, Atlanta, GA 30338
Affiliate	CRH Americas, Inc.	Suite 600, 900 Ashwood Parkway, Atlanta, GA 30338
Affiliate	CRH Finance America, Inc.	900 Ashwood Parkway, Suite 600, Atlanta, GA 30338
Affiliate	CRH Group Insurance Services (U.S.), Inc.	Suite 600, 900 Ashwood Parkway, Atlanta, GA 30338
Affiliate	D.W.L., Inc.	2950 Charles Avenue, Dunbar, WV 25064
Affiliate	Dixie Cut Stone Realty, LLC	6128 Dixie Highway, Bridgeport, MI 48722
Affiliate	Dolomite Products Company, Inc.	1150 Penfield Road, Rochester, NY 14624
Affiliate	Eire Corporation	P.O. Box 3366, Spokane, WA 99220
Affiliate	EOCN Company	Suite 114, 1740 Ridge Avenue, Evanston, IL 60201
Affiliate	Evans Construction Company	7255 S. Highway 89, Jackson, WY 83001
Affiliate	FCG Truck Service, Inc.	1243 Raff Road SW, Canton, OH 44710
Affiliate	Finbar Equity Investments, LLC	301 Hartford Avenue, Newington, CT 06111

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Affiliated and Subsidiary Companies of the Offeror

Affiliate	Finish Line Trucking, LLC	2950 Charles Avenue, Dunbar, WV 25064
Affiliate	Fordyce Concrete Company, Inc.	11011 Cody St., Overland Park, KS 66210
Affiliate	Former Big River Shell Co.	Suite 575, 3600 Mansell Road, Alpharetta, GA 30022
Affiliate	Galloway Trading Company LLC	11011 Cody St., Overland Park, KS 66210
Affiliate	Generation Paving, Inc.	534 Mozart Street, Tell City, IN 47586
Affiliate	Gerhold Concrete Company, Inc.	2625 S 158th Plaza, Omaha, NE 68130
Affiliate	GG RE Co.	Suite 600, 900 Ashwood Parkway, Atlanta, GA 30338
Affiliate	GMS Land Holdings, LLC	125 Industrial Park Circle, Lawrenceville, GA 30045
Affiliate	Granite City Aggregate, LLC	14475 Quiram Drive, Rogers, MN 55374
Affiliate	Granite Precasting & Concrete, Inc.	4116 Bakerview Spur, Bellingham, WA 98226
Affiliate	Greyhawk Associates L.L.C.	1913 Atlantic Avenue, Manasquan, NJ 08736
Affiliate	H-K Contractors Of Wyoming, Inc.	7255 South Highway 89, Jackson, WY 83001
Affiliate	H-K Contractors, Inc.	7255 South Highway 89, Jackson, WY 83001
Affiliate	Helena Sand & Gravel, Inc.	2209 Airport Road, Helena, MT 59601
Affiliate	Holliday Sand & Gravel Company, Inc.	11011 Cody St., Overland Park, KS 66210
Affiliate	Houston Cement Company, L.P.	11011 Cody St., Overland Park, KS 66210
Affiliate	Hydro Aggregates LP	255 Kettle Pond Drive, Wakefield, RI 02879
Affiliate	Interstate Concrete and Asphalt Company	8849 W. Wyoming Avenue, Rathdrum, ID 83858
Affiliate	J.H. Rudolph & Co., Inc.	1251 N. Stockwell Rd., Evansville, IN 47715
Affiliate	Johnson County Aggregates, LLC	11011 Cody St., Overland Park, KS 66210

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Affiliated and Subsidiary Companies of the Offeror

Affiliate	KSG, LLC	2400 Thea Drive, Suite 3-A, Harrisburg, PA 17110
Affiliate	LRT, LLC	2625 S 158th Plaza, Omaha, NE 68130
Affiliate	Lyman-Richey Corporation	2625 S 158th Plaza, Omaha, NE 68130
Affiliate	Marble Cliff Limestone, Inc.	80 Park Drive, Thornville, OH 43076
Affiliate	Material Transport Company	11011 Cody St., Overland Park, KS 66210
Affiliate	Materials Management, LLC	11011 Cody St., Overland Park, KS 66210
Affiliate	Materials Packaging Corporation	11011 Cody St., Overland Park, KS 66210
Affiliate	Materials Transport Inc.	534 Mozart Street, Tell City, IN 47586
Affiliate	Meadow Burke, LLC	2835 Overpass Road, Tampa, FL 33619
Affiliate	Metro East Properties, LLC	14475 Quiram Drive, Rogers, MN 55374
Affiliate	Michigan Materials and Aggregates Company	Suite 100, 2575 Haggerty Road, Canton, MI 48188-2021
Affiliate	Michigan Paving and Materials Company	Suite 100, 2575 S. Haggerty Road, Canton, MI 48188
Affiliate	Mid-Continent Materials, Inc.	333 Park Central E, #1026, Springfield, MO 65806
Affiliate	Midsouth Paving, Inc.	Suite 590, 500 Riverhills Business Park, Birmingham, AL 35242
Affiliate	MM Transportation L.P.	534 Mozart Street, Tell City, IN 47586
Affiliate	Module X Oldcastle, LLC	Suite 600, 900 Ashwood Parkway, Atlanta, GA 30338
Affiliate	MoistureShield, Inc.	914 N. Jefferson Street, Springdale, AR 72764
Affiliate	Montana Materials, Inc.	4685 Mullan Road, P.O. Box 16296, Missoula, MT 59808
Affiliate	Mountain Aggregates, Inc.	2285 Executive Drive, Suite 200, Lexington, KY 40505
Affiliate	Mountain Enterprises, Inc.	2285 Executive Drive, Suite 200, Lexington, KY 40505

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I-81 MM 48 Northbound Acceleration Lane Extension

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Affiliated and Subsidiary Companies of the Offeror

Affiliate	Mountain King Air Aviation, LLC	2350 South 1900 West, Ogden, UT 84401
Affiliate	Mountain Materials, Inc.	2285 Executive Drive, Suite 200, Lexington, KY 40505
Affiliate	Mulzer Barge Transportation, LLC	534 Mozart Street, Tell City, IN 47586
Affiliate	Mulzer Crushed Stone, Inc.	534 Mozart Street, Tell City, IN 47586
Affiliate	Mulzer Development, LLC	534 Mozart Street, Tell City, IN 47586
Affiliate	Oldcastle APG Northeast, Inc.	Suite 236, 331 Newman Springs Road, Red Bank, NJ 07701
Affiliate	Oldcastle APG South, Inc.	333 N. Greene Street, Suite 500, Greensboro, NC 27401
Affiliate	Oldcastle APG West, Inc.	Suite 200, 4720 E. Cotton Gin Loop, Phoenix, AZ 85040
Affiliate	Oldcastle APG, Inc	Suite 1000, 400 Perimeter Center Terrace, Atlanta, GA 30346
Affiliate	Oldcastle Building Products, Inc.	Suite 600, 900 Ashwood Parkway, Atlanta, GA 30338
Affiliate	Oldcastle BuildingEnvelope, Inc.	Suite 1050, 5005 LBJ Freeway, Dallas, TX 75244
Affiliate	Oldcastle Countertops, Inc.	1400 W. Marietta Street, Atlanta, GA 30318
Affiliate	Oldcastle Distribution, Inc.	900 Ashwood Pkwy, Suite 600, Atlanta, GA 30338
Affiliate	Oldcastle Finance Inc.	Suite 600, 900 Ashwood Parkway, Atlanta, GA 30338
Affiliate	Oldcastle Holdings Inc.	Suite 600, 900 Ashwood Parkway, Atlanta, GA 30338
Affiliate	Oldcastle Infrastructure, Inc.	Suite 800, 7000 Central Pkwy, Atlanta, GA 30328
Affiliate	Oldcastle Investment, Inc.	Suite 600, 900 Ashford Parkway, Atlanta, GA 30338
Affiliate	Oldcastle Investments Company, LLC	Suite 600, 900 Ashwood Parkway, Atlanta, GA 30338
Affiliate	Oldcastle Lawn & Garden, Inc.	Suite 600, 900 Ashwood Parkway, Atlanta, GA 30338
Affiliate	Oldcastle Light Building Products, LLC	900 Ashwood Pkwy., Suite 600, Atlanta, GA 30338

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

Affiliated and Subsidiary Companies of the Offeror

Affiliate	Oldcastle Materials Cement Holdings, Inc.	Suite 400, 2300 Steeles Avenue West, Concord, ON L4K 5X6, Canada
Affiliate	Oldcastle Materials SDDA I, Inc.	3975 Sturgis Road, Rapid City, SD 57709
Affiliate	Oldcastle Payroll, Inc.	Suite 600, 900 Ashwood Parkway, Atlanta, GA 30338
Affiliate	Oldcastle SB Holding Corp.	Suite 600, 900 Ashwood Parkway, Atlanta, GA 30338
Affiliate	Oldcastle Services, Inc.	Suite 600, 900 Ashwood Parkway, Atlanta, GA 30338
Affiliate	Oldcastle SW Group, Inc.	2273 River Road, Grand Junction, CO 81505
Affiliate	Oldcastle Trademark Holding LLC	Suite 1300, 1105 North Market Street, Wilmington, DE 19801
Affiliate	OMG Midwest, Inc.	Suite 13, 2401 SE Tones Drive, Ankeny, IA 50021
Affiliate	P.J. Keating Company	998 Reservoir Road, Lunenburg, MA 01462
Affiliate	Paver Systems, LLC	Suite 600, 900 Ashwood Parkway, Atlanta, GA 30338
Affiliate	Pennsy Supply, Inc.	2400 Thea Drive, Suite 3-A, Harrisburg, PA 17110
Affiliate	Permanent Paving, Inc.	11011 Cody St., Overland Park, KS 66210
Subsidiary	Piedmont Asphalt, LLC	225 Gypsum Road, Danville, VA 24541
Affiliate	Pike Industries, Inc.	3 Eastgate Park Road, Belmont, NH 03220
Affiliate	Pioneer Utah, LLC	2350 South 1900 West, Ogden, UT 84401
Affiliate	Pre-Blend Products, LLC	8201 Arrowridge Blvd., Charlotte, NC 28273
Affiliate	Precision Packaging, Inc.	10809 Executive Center Dr., Suite 321, Little Rock, AR 72211
Affiliate	Preferred Materials, Inc.	4636 Scarborough Drive, Lutz, FL 33559
Affiliate	Primex Manufacturing Corp.	Suite 800, 7000 Central Pkwy, Atlanta, GA 30328
Affiliate	Ready Mixed Concrete Co.	2728 N 85th Street, Omaha, NE 68134

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Affiliated and Subsidiary Companies of the Offeror

Affiliate	Redimix Companies, Inc.	89 Calef Road, Manchester, NH 03103
Affiliate	Renfro Construction Company, Inc.	Suite 600, 900 Ashwood Parkway, Atlanta, GA 30338
Affiliate	River City Landscape Supply, Inc.	#1 Riverview Avenue, Sauget, IL 62201
Affiliate	Riverbend Construction, Inc.	3000 N. Delta Hwy, Eugene, OR 97440
Affiliate	Rivergate LFG, Inc.	11011 Cody St., Overland Park, KS 66210
Affiliate	Rocky Gap Quarry, LLC	2950 Charles Ave, Dunbar, WV 25064
Affiliate	Rocky Licensing Corporation	1001 Paxton Street, Harrisburg, PA 17104
Affiliate	S.M.I. Marine Transportation, L.P.	255 Kettle Pond Drive, Wakefield, RI 02879
Affiliate	Sacramento Prestige Gunite, Inc.	8634 Antelope North Rd, Antelope, CA 95843
Affiliate	Sakrete Central Billing, LLC	8201 Arrowridge Blvd., Charlotte, NC 28224
Affiliate	Sakrete Of North America, LLC	Suite 1000, 400 Perimeter Center Terrace, Atlanta, GA 30346
Affiliate	Scioto Materials, L.L.C.	80 Park Drive, Thornville, OH 43076
Affiliate	Shamblin Stone Inc.	534 Mozart Street, Tell City, IN 47586
Affiliate	Shamrock Concrete Co.	2625 S 158th Plaza, Omaha, NE 68130
Affiliate	Shelly Materials, Inc.	80 Park Drive, Thornville, OH 43076
Affiliate	Siouxland Concrete Co.	2625 S 158th Plaza, Omaha, NE 68130
Affiliate	Southern West Virginia Asphalt, Inc.	2950 Charles Avenue, Dunbar, WV 25064
Affiliate	Southern West Virginia Paving, Inc.	2950 Charles Avenue, Dunbar, WV 25064
Subsidiary	Southside Materials, LLC	3980 West Main Street, Salem, VA 24153
Affiliate	SPI Acquisition Holdings, Inc.	12300 President's Court, Jacksonville, FL 32236

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

Affiliated and Subsidiary Companies of the Offeror

Affiliate	SRDD, LLC	14475 Quiram Drive, Rogers, MN 55374
Affiliate	Staker & Parson Companies	2350 South 1900 West, Ogden, UT 84401
Affiliate	Staker Parson Acquisition, Inc.	2350 South 1900 West, Ogden, UT 84401
Affiliate	Staker Parson Holding Company	2350 South 1900 West, Ogden, UT 84401
Affiliate	Standard Materials Group, Inc.	755 E Millsap Rd, Fayetteville, AR 72703
Affiliate	Standard Precast West Inc.	12300 President's Court, Jacksonville, FL 32236
Affiliate	Standard Precast, Inc	12300 President's Court, Jacksonville, FL 32236
Affiliate	Stoneco, Inc.	1345 Ford Street, Maumee, OH 43537
Affiliate	Sumter Cement Co. LLC	Suite 600, 900 Ashwood Pkwy, Atlanta, GA 30338
Affiliate	SureBlock Company, LLC	7760 SE Lake Shore Drive, Hobe Sound, FL 33455
Affiliate	Suwannee American Cement Company, LLC	4750 E. Country Road 470, Sumterville, FL 33585
Affiliate	Tennessee Marine, L.P.	255 Kettle Pond Drive, Wakefield, RI 02879
Affiliate	Texas Material Group Production Assets Company, LLC	Suite 450, 1 Chisholm Trail, Round Rock, TX 78681
Affiliate	Texas Materials Group, Inc.	1320 Arrow Point Drive, Suite 307, Cedar Park, TX 78613
Affiliate	The Balf Co.	301 Hartford Avenue, Newington, CT 06111
Affiliate	The Branford Steam Railroad Company.	c/o Tilcon Inc., P.O. Box 1357, New Britain, CT 06050
Affiliate	The Shelly Company	80 Park Drive, Thornville, OH 43076
Affiliate	The Shelly Holding Company	80 Park Drive, Thornville, OH 43076
Affiliate	Tilcon Connecticut Inc.	301 Hartford Avenue, Newington, CT 06111
Affiliate	Tilcon Inc.	642 Black Rock Avenue, New Britain, CT 06052

ATTACHMENT 4.2.1

I-81 MM 48 Northbound Acceleration Lane Extension

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

Affiliated and Subsidiary Companies of the Offeror

Affiliate	Tilcon New York Inc.	9 Entin Road, Parsippany, NJ 07054
Affiliate	Tilcon Woodbridge Urban Renewal, L.L.C.	162 Old Mill Road, West Nyack, NY 10994
Affiliate	Torrent Group Holdings, Inc.	1509 E. Elwood Street, Phoenix, AZ 85040
Affiliate	Torrent Holdings, Inc.	1509 E. Elwood Street, Phoenix, AZ 85040
Affiliate	Torrent Resources (CA), Incorporated	9950 Alder Avenue, Bloomington, CA 92316
Affiliate	Torrent Resources, Incorporated	1509 E. Elwood Street, Phoenix, AZ 85040
Affiliate	Trap Rock Industries, LLC	4415 Route 27, Kingston, NJ 08528
Affiliate	Union Quarries, Inc.	11011 Cody St., Overland Park, KS 66210
Affiliate	West Virginia Paving, Inc.	2950 Charles Avenue, Dunbar, WV 25064
Affiliate	Winchester Ventures II, LLC	11011 Cody St., Overland Park, KS 66210
Affiliate	Winston-Salem Beltway Constructors, LLC	300 South Benbow Road, Greensboro, NC 27401
Affiliate	Winston-Salem Northern Beltway Constructors, LLC	300 South Benbow Road, Greensboro, NC 27401
Affiliate	Wyandot Dolomite, Inc.	80 Park Drive, Thornville, OH 43076
Affiliate	Yelvington Railcar Services, L.L.C.	2326 Bellevue Ave, Daytona Beach, FL 32114



Attachment 4.2.2(a)
Certification Regarding Debarment Forms
Primary

ATTACHMENT 4.2.2(a)

**CERTIFICATION REGARDING DEBARMENT
PRIMARY COVERED TRANSACTIONS**

I-81 MM 48 Northbound Acceleration Lane Extension

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

1) The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:

a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency.

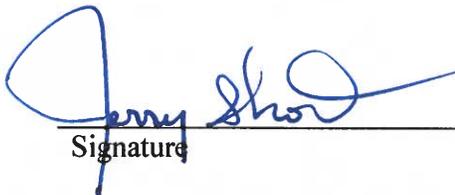
b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; and have not been convicted of any violations of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification, or destruction of records, making false statements, or receiving stolen property;

c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph 1) b) of this certification; and

d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

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

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


Signature


Date


Title

W-L Construction and Paving Inc.

Name of Firm



Attachment 4.2.2(b)
Certification Regarding Debarment Forms
Lower Tier Debarment

ATTACHMENT 4.2.2(b)

CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

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

March 31, 2021

Date

Principal

Title

A. Morton Thomas and Associates, Inc.

Name of Firm

ATTACHMENT 4.2.2(b)

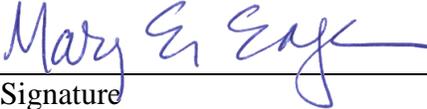
**CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS**

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.

	March 24, 2021	Mary Ellen Eagan, President & CEO
Signature	Date	Title

Harris Miller Miller & Hanson Inc.

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.

 3/9/2021 President
Signature Date Title

Quinn Consulting Services, Inc.
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.



Signature

March 24, 2021

Date

President

Title

T3 Design Corporation

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.



Signature

March 24, 2020

Date

Infrastructure Service Line Leader

Title

Wood Environment & Infrastructure Solutions, Inc.

Name of Firm



Attachment 4.2.3

Offeror's VDOT Prequalification Information



Department's List of Prequalified Vendors
Includes All Qualified Levels As Of 3/24/2021
- W -

Vendor ID: W048

Vendor Name: W-L CONSTRUCTION & PAVING, INC.

Prequal Level: Prequalified

Prequal Exp: 10/31/2021

-- PREQ Address --

P. O. DRAWER 927

CHILHOWIE, VA 24319-0927

Phone: (276)646-3804

Fax: (276)646-3141

Work Classes (Listed But Not Limited To)

002 - GRADING

004 - ASPHALT CONCRETE PAVING

005 - DRAINAGE STRUCTURES

045 - UNDERGROUND UTILITIES

Bus. Contact: MUSICK, PAUL GREGORY

Email: GMUSICK@W-LCONSTRUCTION.COM

-- DBE Information --

DBE Type: N/A

DBE Contact: N/A

Vendor ID: W252

Vendor Name: WACO, INC.

Prequal Level: Prequalified

Prequal Exp: 10/31/2021

-- PREQ Address --

5450 LEWIS ROAD

SANDSTON, VA 23150-0000

Phone: (804)226-3223

Fax: (804)226-3241

Work Classes (Listed But Not Limited To)

015 - DEMOLITION OF BUILDINGS

045 - UNDERGROUND UTILITIES

080 - DEMOLITION OF STRUCTURES

133 - HAZARDOUS WASTE REMOVAL

Bus. Contact: WALKER, DANIEL MASON

Email: DWALKER@WACOINC.NET

-- DBE Information --

DBE Type: N/A

DBE Contact: N/A



Attachment 4.2.4

Evidence of Obtaining Bonding



Tina Davis, AFSB, CIC
Sr. Vice President

Marsh USA Inc.
15 West South Temple, Suite 700
Salt Lake City, UT 84101
801 533-3624 Fax 801 533 3610
Tina.Davis@marsh.com
www.marsh.com

March 3, 2021

Jeffery A. Roby P.E. DBIA
Alternative Project Delivery Division
Virginia Department of Transportation
1401 East Broad Street
Annex Building, 5th Floor
Richmond, Virginia 23219

Re: W-L Construction and Paving, Inc.
VDOT RFP A Design Build Project
I 81 MM48 Northbound Acceleration Lane Extension
Project # 0081-086-834 PE101,C501
Federal Project # NHPP-081-1 (367)
Contract ID# C00116161DB110
Estimated Contract Value \$13,500,000

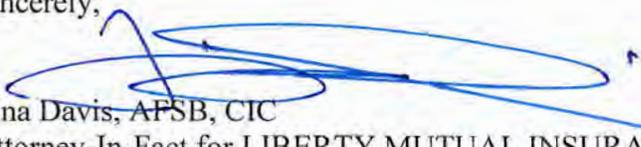
Dear Mr. Roby,

Liberty Mutual Insurance Company, a corporation under the laws of the State of Massachusetts, with an office and place of business 175 Berkeley St., Boston, MA 02117, with A.M. Best Financial Strength Rating A and Financial Size Category pXV, represents W-L Construction and Paving, Inc. for surety bonding needs.

At the present time, W-L Construction and Paving, Inc. is in a position to consider single projects up to \$50,000,000 within an aggregate limit of \$500,000,000. The statement of these values is neither a commitment nor a limitation of the bonding capacity of W-L Construction and Paving, Inc. At the request of W-L Construction and Paving, Inc., Liberty Mutual Insurance Company will provide the required 100% Performance and 100% Labor and Materials Payment bonds in the amount of the anticipated cost of construction, and said bonds will cover the Project and any warranty periods as provided for in the Contract Documents.

If you have any questions or need any additional information, please do not hesitate to contact me.

Sincerely,


Tina Davis, AFSB, CIC
Attorney-In-Fact for LIBERTY MUTUAL INSURANCE COMPANY
A by A. M. Best Financial Size Category A pXV





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: 8204866

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, Tina Davis

all of the city of Salt Lake City, state of Utah 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 15th day of February, 2021.

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



By: *David M. Carey*

David M. Carey, Assistant Secretary

STATE OF PENNSYLVANIA ss
COUNTY OF MONTGOMERY

On this 15th 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*

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

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 3rd day of March, 2021.



By: *Renee C. Llewellyn*

Renee C. Llewellyn, Assistant Secretary

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

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



As part of its business continuity efforts during the pendency of the COVID-19 pandemic, Liberty Mutual Insurance Company ("LMIC") on behalf of itself and the companies listed below has authorized its Attorneys-in-Fact to affix its corporate seal for surety obligations in a digital format in lieu of its traditional raised seal to any bond issued on its behalf by any such Attorney-in-Fact:

Liberty Mutual Insurance Company
Liberty Mutual Fire Insurance Company
The Ohio Casualty Insurance Company
West American Insurance Company
Safeco Insurance Company of America
American States Insurance Company

LMIC agrees and affirms on behalf of itself and the other companies listed herein, that the digital corporate seal referenced above has the same binding effect when affixed to a bond or a Power of Attorney document as if it were a raised corporate seal.

Effective this 23rd day of March, 2020.

By: 

Renee C. Llewellyn, Assistant Secretary



Attachment 4.2.5 (Full Size Copies of DPOR Licenses and SCC Registrations)

Entity Information

Entity Information

Entity Name: W - L CONSTRUCTION & PAVING, INC.
Entity ID: 01823475
Entity Type: Stock Corporation
Entity Status: **Active**
Formation Date: 02/09/1978
Reason for Status: Active and In Good Standing
VA Qualification Date: 02/09/1978
Status Date: 05/05/1997
Industry Code: 0 - General
Period of Duration: Perpetual
Jurisdiction: VA
Annual Report Due Date: N/A
Registration Fee Due Date: Not Required
Charter Fee: \$40.00

Registered Agent Information

RA Type: Entity
Locality: RICHMOND CITY
RA Qualification: BUSINESS ENTITY THAT IS AUTHORIZED TO TRANSACT
BUSINESS IN VIRGINIA
Name: CORPORATION SERVICE COMPANY
Registered Office Address: 100 Shockoe Slip Fl 2, Richmond, VA, 23219 - 4100, USA

Principal Office Address

Address: PO Box 927, Chilhowie, VA, 24319 - 0927, USA

Principal Information

Title	Director	Name	Address	Last Updated
Vice President, Treasurer, Secretary, Chief Financial Officer	Yes	MATTHEW J. CAMPBELL	1484 HIGHWAY 104, CHILHOWIE, VA, 24319 - 0000, USA	01/24/2020

Title	Director	Name	Address	Last Updated
Assistant Secretary	No	GARY P. HICKMAN	900 ASHWOOD PARKWAY, SUITE 600, ATLANTA, GA, 30338 - 0000, USA	01/24/2020
President	No	JERRY L. SHORT	1484 HIGHWAY 107, CHILHOWIE, VA, 24319 - 0000, USA	03/14/2019
Vice President, Assistant Secretary	Yes	CHARLES W. CRANE JR.	1484 HIGHWAY 104, CHILHOWIE, VA, 24319 - 0000, USA	01/24/2020

Current Shares
Total Shares: 2000

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COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

01-31-2023

NUMBER

2701017666

BOARD FOR CONTRACTORS
CLASS A CONTRACTOR
CLASSIFICATIONS H/H



W-L CONSTRUCTION & PAVING INC
PO BOX 927
CHILHOWIE, VA 24319



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

CLASS A BOARD FOR CONTRACTORS
CONTRACTOR

CLASSIFICATIONS H/H

NUMBER: 2701017666 EXPIRES: 01-31-2023

W-L CONSTRUCTION & PAVING INC
PO BOX 927
CHILHOWIE, VA 24319



(FOLD)

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

DPOR-PC (02/2017)

Entity Information

Entity Information

Entity Name: A. MORTON THOMAS & ASSOCIATES, INC.
Entity ID: F0494312
Entity Type: Stock Corporation
Entity Status: **Active**
Formation Date: N/A
Reason for Status: Active and In Good Standing
VA Qualification Date: 11/26/1997
Status Date: 12/22/2020
Industry Code: 0 - General
Period of Duration: Perpetual
Jurisdiction: MD
Annual Report Due Date: N/A
Registration Fee Due Date: Not Required
Charter Fee: \$2000.00

Registered Agent Information

RA Type: Entity
Locality: CHESTERFIELD COUNTY
RA Qualification: BUSINESS ENTITY THAT IS AUTHORIZED TO TRANSACT
BUSINESS IN VIRGINIA
Name: COGENCY GLOBAL INC.
Registered Office Address: 250 Browns Hill Ct, Midlothian, VA, 23114 - 9510, USA

Principal Office Address

Address: 800 KING FARM BOULEVARD 4TH FL, ROCKVILLE, MD, 20850 - 0000, USA

Principal Information

Title	Director	Name	Address	Last Updated
President	Yes	MICHAEL J WIERCINSKI	2706 LUBAR DR, BROOKVILLE, MD, 20833 - 0000, USA	10/16/2018

Privacy Policy (<https://www.scc.virginia.gov/privacy.aspx>) | Contact Us (https://www.scc.virginia.gov/clk/clk_contact.aspx)

Title	Director	Name	Address	Last Updated
VP/S	Yes	JERRY C KAVADIAS	12825 TALLEY LANE, DARNESTOWN, MD, 20878 - 0000, USA	10/16/2018
Vice President	Yes	ELIZABETH A TUOMEY	PO BOX 32, BACOVA, VA, 24412 - 0000, USA	10/16/2018
Treasurer	Yes	RICHARD KHALIL	17632 ZULLO DRIVE, POOLESVILLE, MD, 20837 - 0000, USA	10/16/2018

Current Shares

Total Shares: 52000

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COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON
02-28-2022

NUMBER
0411000587

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

PROFESSIONS: ENG, LS



A MORTON THOMAS AND ASSOCIATES INC
100 GATEWAY CENTRE PKWY
SUITE 200
RICHMOND, VA 23235



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

0411001044

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

PROFESSIONS: ENG



A MORTON THOMAS AND ASSOCIATES INC
125 DEADMORE ST SE
ABINGDON, VA 24210



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

Mary Broz-Vaughan
Mary Broz-Vaughan, Director

DPOR-LIC (02/2017)

Entity Information

Entity Information

Entity Name: Harris Miller Miller & Hanson Inc.
Entity ID: F1451857
Entity Type: Stock Corporation
Entity Status: **Active**
Formation Date: N/A
Reason for Status: Active and In Good Standing
VA Qualification Date: 12/06/2000
Status Date: 01/31/2006
Industry Code: 0 - General
Period of Duration: Perpetual
Jurisdiction: MA
Annual Report Due Date: N/A
Registration Fee Due Date: Not Required
Charter Fee: \$600.00

Registered Agent Information

RA Type: Entity
Locality: HENRICO COUNTY
RA Qualification: BUSINESS ENTITY THAT IS AUTHORIZED TO TRANSACT
BUSINESS IN VIRGINIA
Name: C T CORPORATION SYSTEM
Registered Office Address: 4701 Cox Rd Ste 285, Glen Allen, VA, 23060 - 6808, USA

Principal Office Address

Address: 77 S Bedford St, Burlington, MA, 01803, USA

Principal Information

Title	Director	Name	Address	Last Updated
President, Chief Executive Officer	Yes	Mary Ellen Eagan	77 South Bedford Street, Burlington, MA, 01803, USA	12/18/2019

Title	Director	Name	Address	Last Updated
Secretary	Yes	Kurt Hellauer	77 South Bedford Street, Burlington, MA, 01803, USA	12/18/2019
Vice President	No	Eugene Reindel	8880 Cal Center Dr., Suite 430, Sacramento, CA, 95826, USA	12/18/2019
Treasurer, Chief Financial Officer	Yes	Diana Wasiuk	22536 Airmont Woods Terrace, Ashburn, VA, 20148, USA	12/18/2019

Current Shares
Total Shares: 300000

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Entity Information

Entity Information

Entity Name: QUINN CONSULTING SERVICES INCORPORATED
Entity ID: 04925517
Entity Type: Stock Corporation
Entity Status: **Active**
Formation Date: 10/24/1997
Reason for Status: Active and In Good Standing
VA Qualification Date: 10/24/1997
Status Date: 12/01/2008
Industry Code: 0 - General
Period of Duration: Perpetual
Jurisdiction: VA
Annual Report Due Date: N/A
Registration Fee Due Date: Not Required
Charter Fee: \$50.00

Registered Agent Information

RA Type: Individual
Locality: ARLINGTON COUNTY
RA Qualification: Member of the Virginia State Bar
Name: JOHN H QUINN JR
Registered Office Address: 2208 S KNOLL ST, ARLINGTON, VA, 22202 - 2134, USA

Principal Office Address

Address: 14160 NEWBROOK DRIVE, SUITE 220, CHANTILLY, VA, 20151 - 0000, USA

Principal Information

Title	Director	Name	Address	Last Updated
COB/P/T	Yes	ELIZABETH QUINN VICINSKI	14160 NEWBROOK DRIVE, SUITE 220, CHANTILLY, VA, 20151 - 0000, USA	09/15/2017

(<https://www.facebook.com/VirginiaStateCorporationCommission>)

(<https://twitter.com/VASateCorpComm>)

Title	Director	Name	Address	Last Updated
Secretary	No	FRANCISCA I OTERO	888 17TH STREET NW, SUITE 640, WASHINGTON, DC, 20006 - 0000, USA	09/15/2017

Current Shares

Total Shares: 5000

[Filing History](#)

[RA History](#)

[Name History](#)

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EXPIRES ON
02-28-2022

NUMBER
0411001544

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

PROFESSIONS: ENG



QUINN CONSULTING SERVICES INCORPORATED
3130 HALIFAX RD STE A
SOUTH BOSTON, VA 24592



Mary Brock-Vaughan
Mary Brock-Vaughan, Director

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

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)

(DETACH HERE)



COMMONWEALTH of VIRGINIA
Department of Professional and Occupational Regulation

BOARD FOR APESCIDLA
BUSINESS ENTITY BRANCH OFFICE REGISTRATION
NUMBER: 0411001544 EXPIRES: 02-28-2022
PROFESSIONS: ENG
QUINN CONSULTING SERVICES INCORPORATED
3130 HALIFAX RD STE A
SOUTH BOSTON, VA 24592



(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

0407003733

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

PROFESSIONS: ENG



QUINN CONSULTING SERVICES INCORPORATED
14160 NEWBROOK DR
STE 220
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)



COMMONWEALTH of VIRGINIA
Department of Professional and Occupational Regulation

BOARD FOR AP/LS/CID/LA
BUSINESS ENTITY REGISTRATION
NUMBER: 0407003733. EXPIRES: 12-31-2021
PROFESSIONS: ENG
QUINN CONSULTING SERVICES INCORPORATED
14160 NEWBROOK DR
STE 220
CHANTILLY, VA 20151



(FOLD)

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

DPOR-PC (02/2017)

Entity Information

Entity Information

Entity Name: T3 Design Corporation
Entity ID: 06585392
Entity Type: Stock Corporation
Entity Status: **Active**
Formation Date: 05/18/2006
Reason for Status: Active and In Good Standing
VA Qualification Date: 05/18/2006
Status Date: 06/18/2012
Industry Code: 70 - Other DULY LICENSED PROFESSIONAL ENTITY not listed below as SPECIFIED in Section 13.1-543 of the Code of Virginia
Period of Duration: Perpetual
Jurisdiction: VA
Annual Report Due Date: 05/31/2021
Registration Fee Due Date: 05/31/2021
Charter Fee: \$50.00

Registered Agent Information

RA Type: Individual
Locality: FAIRFAX CITY (FILED IN FAIRFAX COUNTY)
RA Qualification: Director of the Professional Corporation
Name: Amy Morris
Registered Office Address: 10340 Democracy Ln Ste 305, Fairfax, VA, 22030 - 2518, USA

Principal Office Address

Address: 10340 Democracy Ln Ste 305, Fairfax, VA, 22030 - 2518, USA

Principal Information

Title	Director	Name	Address	Last Updated
President, Secretary, Treasurer	Yes	AMY MORRIS	T3 DESIGN CORPORATION, 10340 DEMOCRACY LN STE 305, FAIRFAX, VA, 22030 - 0000, USA	05/21/2020

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Title	Director	Name	Address	Updated
Vice President	Yes	PATRICIA TIMBROOK- MCMULLAN	T3 DESIGN CORPORATION, 10340 DEMOCRACY LANE STE 305, FAIRFAX, VA, 22030 - 2518, USA	05/21/2020

Current Shares

Total Shares: 5000

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COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

12-31-2021

NUMBER

0405001624

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

PROFESSIONS: ENG



T3 DESIGN CORPORATION
10340 DEMOCRACY LN STE 305
FAIRFAX, VA 22030



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 APPLSCIDLA
PROFESSIONAL CORPORATION REGISTRATION
NUMBER: 0405001624 EXPIRES: 12-31-2021
PROFESSIONS: ENG
T3 DESIGN CORPORATION
10340 DEMOCRACY LN STE 305
FAIRFAX, VA 22030



(from)

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

DPOR-PC (02/2017)

Entity Information

Entity Information

Entity Name: Wood Environment & Infrastructure Solutions, Inc.
 Entity ID: F1441981
 Entity Type: Stock Corporation
 Entity Status: **Active**
 Formation Date: N/A
 Reason for Status: Active and In Good Standing
 VA Qualification Date: 09/20/2000
 Status Date: 09/20/2000
 Industry Code: 0 - General
 Period of Duration: Perpetual
 Jurisdiction: NV
 Annual Report Due Date: N/A
 Registration Fee Due Date: Not Required
 Charter Fee: \$2000.00

Registered Agent Information

RA Type: Entity
 Locality: SUFFOLK CITY
 RA Qualification: BUSINESS ENTITY THAT IS AUTHORIZED TO TRANSACT
 BUSINESS IN VIRGINIA
 Name: United Agent Group Inc.
 Registered Office Address: 425 W Washington St Ste 4, Suffolk, VA, 23434 - 5320, USA

Principal Office Address

Address: 1105 Lakewood Pkwy Ste 300, Alpharetta, GA, 30009 - 7625, USA

Principal Information

Title	Director	Name	Address	Last Updated
CFO & TREASURER	Yes	KENDALL H. SHERRILL	1105 LAKEWOOD PKWY, STE. 300, ALPHARETTA, GA, 30009 - 0000, USA	09/17/2019

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Title	Director	Name	Address	Last Updated
Secretary, Chief Counsel	No	BRADLEY J KNIGHT	1105 LAKEWOOD PKWY STE 300, ALPHARETTA, GA, 30009 - 0000, USA	02/18/2020
P: STRAT & DEVE	Yes	JOSEPH J. SCZURKO JR	511 CONGRESS ST., PORTLAND, ME, 04101 - 0000, USA	02/18/2020
President	Yes	Lytle C. Troutt Jr.	3800 Ezell Rd, Ste. 100, Nashville, TN, 37211, USA	02/18/2020

Current Shares

Total Shares: 990000

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DPOR License Lookup

License Number 0411000912

License Details

Name	WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS INC
License Number	0411000912
License Description	Business Entity Branch Office Registration
Business Type	Corporation
Rank	Business Entity Branch Office
Address	1070 W. MAIN STREET SUTE 5, ABINGDON, VA 24210
Initial Certification Date	2012-03-08
Expiration Date	2022-02-28

Related Licenses ¹

License Number	License Holder Name	License Type	Relation Type	License Expiry
0402045621	RASNAKE, RYAN DAVID	Professional Engineer License	Engineering	2022-01-31

Showing 1 to 1 of 1 entries

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

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DPOR License Lookup build 1,254 (built 2019-12-05 12:06:03).



Attachment 4.2.5 (SCC and DPOR Registration Information)

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.

SCC & DPOR INFORMATION FOR BUSINESSES (RFP Sections 4.2.5.1 and 4.2.5.2)							
Business Name	SCC Information (4.2.5.1)			DPOR Information (4.2.5.2)			
	SCC Number	SCC Type of Corporation	SCC Status	DPOR Registered Address	DPOR Registration Type	DPOR Registration Number	DPOR Expiration Date
W-L Construction & Paving, Inc.	01823475	Stock Corporation	Active, In Good Standing	1484 Highway 107 Chilhowie, VA 24319	Contractor Class A	270101766	01/31/2023
A. Morton Thomas and Associates, Inc.	F0494312	Foreign, Stock Corporation	Active, In Good Standing	100 Gateway Centre Parkway, Suite 200 Richmond, VA 23235	Business Entity Branch Office	0411000587	02/28/2022
A. Morton Thomas and Associates, Inc.	F0494312	Foreign, Stock Corporation	Active, In Good Standing	125 Deadmore Street, SE Abingdon, VA 24210	Business Entity Branch Office	0411001044	02/28/2022
Harris Miller Miller & Hanson Inc.	F1451857	Foreign, Stock Corporation	Active, In Good Standing	N/A	N/A	N/A	N/A
Quinn Consulting Services, Inc.	04925517	Stock Corporation	Active, In Good Standing	3130 Halifax Road Suite A South Boston, VA 24592	Business Entity Branch Office	0411001544	02/28/2022
Quinn Consulting Services, Inc.	04925517	Stock Corporation	Active, In Good Standing	14160 Newbrook Drive, Suite 220 Chantilly, VA 20151	Business Entity Registration	0407003733	12/31/2021
T3 Design Corporation PC	06585392	Professional Corporation	Active, In Good Standing	10340 Democracy Lane, Suite 305 Fairfax, VA 22030	Professional Corporation Registration	0405001624	12/31/2021
Wood Environment & Infrastructure Solutions, Inc.	F1441981	Foreign, Stock Corporation	Active, In Good Standing	1070 West Main Street, Suite 5 Abingdon, VA 24210	Business Entity Branch Office	0411000912	02/28/2022



Attachment 4.2.6(a)
Lead Contractor Work History Form

ATTACHMENT 4.2.6(a)

LEAD CONTRACTOR - WORK HISTORY FORM

(LIMIT 1 PAGE PER PROJECT)

a. Project Name & Location	b. Name of the prime design 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: I-77 / I-81 Auxiliary Lane Addition Location: Wytheville, VA	Name: Johnson, Mirmiran & Thompson, Inc.	Name of Client/Owner: VDOT Phone: 276-669-6151 Project Manager: Jerry Bolt Phone: 276-228-2154 Email: Jerry.Bolt@VDOT.Virginia.gov	9/2018	8/2018	\$4,889	\$4,999 (includes \$106 Early Completion Bonus)	Responsible for: \$4,999 Self-Performed: \$3,716

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.

- SIMILIARITIES TO I-81 MM48 NORTHBOUND ACCELERATION LANE EXTENSION**
- ✓ *Widening of an Existing Interstate Highway and Interstate Highway Ramp*
 - ✓ *25,000 ADT*
 - ✓ *Extensive Traffic Control*
 - ✓ *Earthwork*
 - ✓ *Interstate Road Construction*
 - ✓ *VDOT Standards & Specifications*
 - ✓ *Asphalt Paving*
 - ✓ *Drainage and Stormwater*
 - ✓ *Environmental Controls (Erosion & Sediment Control)*
 - ✓ *Signage and Pavement Markings*
 - ✓ *State Police Coordination for Rolling Roadblock*

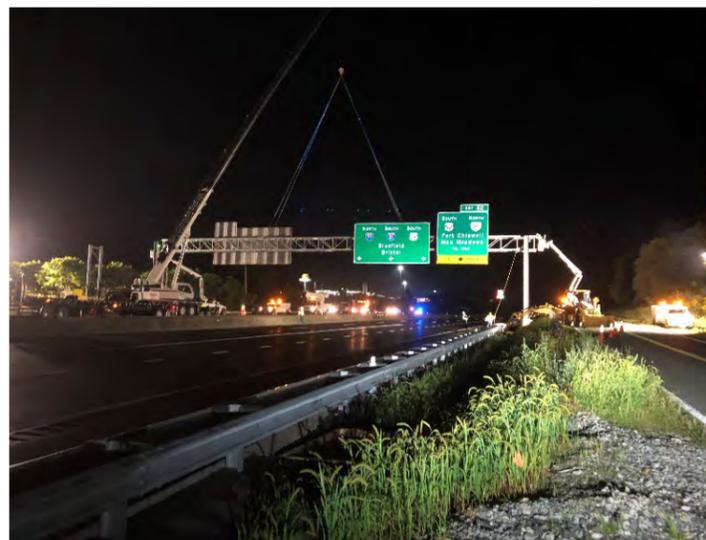
- SUMMARY OF IMPROVEMENTS**
- Add a southbound Auxiliary lane Between I-77 merging onto I-81
 - Add capacity to I-77 Exit Ramp to prevent common traffic backups

PROJECT NARRATIVE
This project was to add much needed capacity to I-77 Merge ramp onto I-81. For about 8 miles, through the Town of Wytheville, I-81 and I-77 overlap each other. At I-77 north interchange onto I-81, traffic would often back up for miles causing significant travel and safety issues.

In August of 2017, **W-L Construction & Paving, Inc. (W-L)** was contracted to add an auxiliary lane from I-77 onto I-81. The 1.2 mile auxiliary lane provided extra capacity by eliminating a necessary merge from the new lane while the existing lane ended at the next exit ramp on I-81. The project was completed in three phases which allowed no closures of the ramp.

The auxiliary lane project was constructed to VDOT Specifications and included 16,000 Tons of Asphalt, 22,000 Tons of stone, 19,400 Cubic Yards of Regular Excavation and 1300 linear feet of guardrail.

W-L's ROLE
W-L served as the Prime contractor for this project. All work was included in a single contract.



- VERIFIABLE EVIDENCE OF GOOD PERFORMANCE**
- The project was completed 25 days ahead of fixed date.
 - W-L received \$106,000 early completion bonus.
 - Ramp remained open entire construction time.
 - The project received the 2018 VDOT Construction Award from the Virginia Asphalt Association



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: I-81 Exit 14 Interchange Reconstruction Location: Abingdon, VA	Name: Rummel, Klepper & Kahl, LLP	Name of Client/Owner: VDOT Phone: 276-669-6151 Project Manager: Brian Plummer, PE Phone: 276-696-3439 Email: brian.plummer@vdot.virginia.gov	10/2018	10/2018	\$29,309	\$29,353	Responsible for: \$29,353 Self-Performed: \$19,378

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.

SIMILIARITIES TO I-81 MM48 NORTHBOUND ACCELERATION LANE EXTENSION

- ✓ *Interstate Highway Construction That Includes MOT >10,000 VPD*
- ✓ *41,300 ADT*
- ✓ *Extensive Traffic Control*
- ✓ *Mass Earthwork*
- ✓ *VDOT Standards & Specifications*
- ✓ *Asphalt Paving*
- ✓ *Drainage and Stormwater*
- ✓ *Environmental Controls (Erosion & Sediment Control)*
- ✓ *Utility Coordination and Relocation*
- ✓ *Signage and Pavement Markings*

SUMMARY OF IMPROVEMENTS

- Interchange Reconfiguration with four new ramps
- 6.44 lane miles of new construction on Interstate I-81 and Route 140
- 160,000 cubic yards of excavation with 330,000 cubic yards of borrow

PROJECT NARRATIVE

W-L Construction & Paving, Inc. (W-L) constructed this project which included 6.44 lane miles of new roadway, two 250'+ interstate bridges, revised interchange with new ramp configurations and two new traffic signals, extensive utility relocation, construction of MSE Wall, and establishment of five stormwater management basins. Major project items included over 160,000 cubic yards of regular excavation, over 330,000 cubic yards of borrow excavation, over 160,000 tons of aggregate material, over 70,000 tons of asphalt material, and over 3,000 cubic yards of concrete material.

This project involved complex Maintenance of Traffic including several lane shifts from existing I-81 to new I-81 achieved through rolling road blocks involved coordination with VDOT, State Police, Southwest Regional Operations Center, Safety Rest Area and multiple subcontractors.

This project was bid A+B in which the contractor selected the number of days to complete the project and it was used to evaluate the bid. W-L was successful in obtaining the contract by reducing the construction time by over 1 year in relation the 2nd bidder.



W-L's ROLE

W-L served as the Prime contractor for this project. All work was included in a single contract.

VERIFIABLE EVIDENCE OF GOOD PERFORMANCE

- The project was completed on-time
- Maintained 4 lanes of traffic at all times with temporary night lane closures
- The project was on budget with a 0.15% increase from contract
- Participation with stakeholders was paramount to maintain strong relationships



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: Route 58 Widening Phase III Location: Abingdon, VA	Name: Rummel, Klepper & Kahl, LLP	Name of Client/Owner: VDOT Phone: 276-669-6151 Project Manager: Marty Halloway, PE, CCM Phone: 276-696-3367 Email: Marty.Halloway@VDOT.Virginia.gov	7/2015	7/2015	\$15,026	\$16,159	Responsible for: \$16,159 Self-Performed: \$13,412

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.

- SIMILIARITIES TO I-81 MM48 NORTHBOUND ACCELERATION LANE EXTENSION**
- ✓ *Rock Excavation By Blasting*
 - ✓ *Drilling*
 - ✓ *Clearing & Grubbing*
 - ✓ *Earthwork*
 - ✓ *Asphalt Paving*
 - ✓ *Milling*
 - ✓ *Traffic Control*
 - ✓ *VDOT Standards & Specifications*
 - ✓ *Drainage and Stormwater*
 - ✓ *Environmental Controls (Erosion & Sediment Control)*
 - ✓ *Signage and Pavement Markings*

SUMMARY OF IMPROVEMENTS

- Improve existing 2 lane roadway to a 4 lane divided facility
- Mass Grading of 600,000 Cubic Yards of Material including Rock Excavation
- Improve traffic flow between Abingdon and Damascus

PROJECT NARRATIVE

W-L Construction & Paving, Inc. (W-L) constructed the new section of Route 58 from Abingdon to Damascus consisting of widening the existing alignment for 1.5 miles and construction of the new alignment for 0.75 miles. This was a single contract job for VDOT.

The Route 58 widening project was constructed to VDOT specifications which included mass grading of 600,000 CY of material, which was moved by drilling and blasting the slope cuts for the widening of the existing alignment. This project also consisted of 6,700 LF of new storm drain, three separate box culverts in live streams, 42,000 TN of asphalt, 56,000 TN of #1 stone, and 45,000 TN of 21B stone subgrade.

With large traffic volumes in the area it made the MOT a challenge during construction. This project had various types of traffic control such as lane closures, detours, and flagging operations during the blasting phases of the job.

The increase in project costs were owner directed changes and additions.



W-L's ROLE

W-L served as the Prime contractor for this project. All work was included in a single contract.

VERIFIABLE EVIDENCE OF GOOD PERFORMANCE

- The project was completed on-time
- Maintained two lanes of Traffic at all times
- Participation with stakeholders was paramount to maintain strong relationships





Attachment 4.2.6(b)
Lead Designer Work History Form

ATTACHMENT 4.2.6(b)

LEAD DESIGNER - WORK HISTORY FORM

(LIMIT 1 PAGE PER PROJECT)

a. Project Name & Location	b. Name of the prime/general contractor responsible for overall construction of the project.	c. Contact information of the Client and their Project Manager who can verify Firm's responsibilities.	d. Construction Contract Start Date	e. Construction Contract Completion Date (Actual or Estimated)	f. Contract Value (in thousands)		g. Design Fee for the Work Performed by the Firm identified as the Lead Designer for this procurement.(in thousands)
					Construction Contract Value (Original)	Construction Contract Value (Actual or Estimated)	
Name: I-81 at Exit 114 Location: Montgomery County, VA	Name: Haymes Brothers, Inc.	Name of Client/Owner: VDOT Phone: 540-387-5320 Project Manager: Duane Mann, PE, PMP Phone: 540-381-7195 Email: Duane.Mann@VDOT.Virginia.gov	5/2018 (Design-Build NTP)	7/2021	\$21,333	\$22,000 (Estimated; Owner-Directed Changes)	\$2,605 (Design and QAM)

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

SIMILIARITIES TO I-81 MM48 NORTHBOUND ACCELERATION LANE EXTENSION

- ✓ *Widening of Existing Interstate Highway and Ramp*
- ✓ *>25,000 ADT (each bridge)*
- ✓ *I-81 Corridor*
- ✓ *Interstate Highway*
- ✓ *Design-Build*
- ✓ *High Truck Traffic*
- ✓ *Karst Geography*
- ✓ *Traffic Engineering and Maintenance of Traffic Plans*
- ✓ *VDOT Standards & Specifications*
- ✓ *Stormwater Management and Erosion & Sediment Control*
- ✓ *Storm Drainage*
- ✓ *Signage and Pavement Markings*
- ✓ *QAM*

SUMMARY OF IMPROVEMENTS

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

PROJECT NARRATIVE

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

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

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

AMT's ROLE AND OFFIC LOCATION

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

VERIFIABLE EVIDENCE OF GOOD PERFORMANCE

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



ATTACHMENT 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: Southgate Drive / US 460 Bypass Interchange Location: Blacksburg, VA	Name: Branch Civil, Inc.	Name of Client/Owner: VDOT Phone: 540-387-5320 Project Manager: Phillip Hammack, PE Phone: 540-378-5041 Email: Phillip.Hammack@VDOT.Virginia.gov	4/2015	12/2018	\$46,700	\$46,700	\$4,916

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.

- SIMILIARITIES TO I-81 MM48 NORTHBOUND ACCELERATION LANE EXTENSION**
- ✓ *Limited Access Highway MOT with >10,000 VPD*
 - ✓ *>40,000 ADT*
 - ✓ *Karst Geography*
 - ✓ *Limited Access Primary Highway*
 - ✓ *Traffic Engineering and Maintenance of Traffic Plans*
 - ✓ *VDOT Standards & Specifications*
 - ✓ *Stormwater Management and Erosion & Sediment Control*
 - ✓ *Storm Drainage*
 - ✓ *Signage and Pavement Markings*

SUMMARY OF IMPROVEMENTS

- New grade-separated interchange, with dual bridges and diverging diamond interchange design
- Over 3.5 miles of roadway design and associated hydraulics, aesthetics and utility coordination

PROJECT NARRATIVE

A. Morton Thomas and Associates, Inc. (AMT) provided full design services on this critical roadway improvement and interchange design project in the Salem District, adjacent to Virginia Tech in Blacksburg. The purpose was to eliminate the existing signalized at-grade T-intersection at the heaviest used, primary entrance to Virginia Tech campus. The project provides a grade separated interchange in a new location southeast of the existing intersection to accommodate current and planned traffic movements and realignment of Route 314 from US 460 to the Virginia Tech campus. The pre-construction intersection experienced significant backups during the morning and evening peak hours as well as during major/special events, which hampered through movements along the US 460, also creating a safety concern due to rear-end collisions.

As the Engineer of Record, AMT provided services as an extension of VDOT staff, performing many reporting and management functions that VDOT would typically self-perform. Key challenges of the project included an aggressive schedule of 19 months from the start of the alternatives phase to completion of 100% design, managing consensus from the many diverse stakeholders (particularly Virginia Tech), preparing alternative foundation design concepts to respond to site specific geologic conditions; and minimizing environmental impacts. AMT provided traffic engineering and TMP/MOT plans.

AMT's ROLE AND OFFICE LOCATION

As the Engineer of Record, AMT was responsible for management and oversight of all aspects of engineering design including roadway, bridges, traffic engineering and maintenance of traffic, hydraulics, utility coordination, and public relations. Services were provided from the Chantilly office.

- VERIFIABLE EVIDENCE OF GOOD PERFORMANCE**
- Completed PAC milestone within 19 months of NTP
 - Conducted successful public involvement with positive feedback from Virginia Tech, Blacksburg and Salem District Administrator
 - Multiple award-winner (VDOT Commissioner's Award, ACEC National Recognition Award, ACEC/VA Honor Award, Roads & Bridges Magazine #8 Top Project of the Year)



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: US 460 Connector Phase I Design-Build Location: Buchanan County, VA	Name: Bizzack Construction	Name of Client: Bizzack Construction Phone: 859-299-8001 Project Manager: Stewart Gaither Phone: 859-299-8001 Email: sgaither@bizzackconstruction.com	02/2011	05/2014	\$108,000	\$120,000	\$1,400 (Geotechnical)

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.

SIMILIARITIES TO I-81 MM48 NORTHBOUND ACCELERATION LANE EXTENSION

- ✓ *Design of Cut Slopes in Rock*
- ✓ *Design-Build*
- ✓ *Earthwork*
- ✓ *VDOT Standards & Specifications*

SUMMARY OF IMPROVEMENTS

- Construction of the two tallest bridges in Virginia
- 0.8 miles of new 4-lane divided highway
- An access ramp to Route 80 including construction of a bridge crossing Route 768
- Required 2.7 million cubic yards of excavation

PROJECT NARRATIVE

Wood Environmental & Infrastructure Solutions, Inc. (Wood) provided design level geotechnical exploration to determine geotechnical parameters. The firm provided design of structure foundations, cut and fill slope analyses and recommendations, rock cut slope design including rockfall catchment ditches, MSE retaining walls, pavement design, SWM facilities, and a 2.3 million cubic yard waste area. Wood drilled over 130 borings totaling over 9,000 linear feet in nine weeks utilizing multiple drill crews working in mountainous terrain.

Wood geotechnical engineers and geologists were involved throughout the design/build project from design to quality assurance during construction to evaluate the cut and fill slope's stability, foundations for critical bridge structures, and coal seam excavations.

WOOD'S ROLE AND OFFICE LOCATION

Wood served as a specialty subconsultant providing design level geotechnical exploration and engineering with involvement from the outset through quality assurance during construction. Services were provided from Wood's Abingdon office.



VERIFIABLE EVIDENCE OF GOOD PERFORMANCE

- Fast-track of borings, testing and associated reporting
- *Roads & Bridges Magazine* #1 Bridge Project in U.S. in 2013
- Rock slopes and catchment ditches performing, as designed.





Virginia Department of Transportation

Contract ID #C00116161DB110

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

Federal Project No.: NHPP-081-1(367)

April 12, 2021

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



Route 58 Widening
Phase III



I-77 / I-81 Auxiliary
Lane Addition



US 460 Bypass / Southgate
Drive Interchange



I-81 Exit 14 Interchange
Reconstruction

VOLUME II - Design Concepts

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





Attachment 4.2.7

Conceptual Roadway Plans

INDEX OF SHEETS

SHEET NO.	DESCRIPTION	STATIONS
1	DESIGN INFORMATION/INDEX OF SHEETS	
2	SLOPE TREATMENT DETAILS	
3	PLAN: I-81 NB	STA.108+17 TO STA.118+50
4	PLAN: I-81 NB	STA.118+50 TO STA.131+50
5	PLAN: I-81 NB	STA.131+50 TO STA.144+50
6	PLAN: I-81 NB	STA.144+50 TO STA.152+21.38

UPC 116161 Design Criteria Table

No.	Design Criteria	Interstate 81 Northbound	Ramp D
1	Classification	Interstate	Interchange Ramp
2	Geometric Design Standard	GS-INT	GS-R
3	Terrain	Rolling	Rolling
4	Average Daily Traffic (ADT)	Current (2018)	14,227
		Design (2045)	16,919
5	Speed	Posted	70
		Design	70
6	Design Vehicle	WB-67	WB-67
7	Minimum Curve Radius	1821	760
8	Superelevation	Standard	Match Existing
		Max Rate	Match Existing
9	Maximum Grade	4.0%	5.0%
10	Minimum Stopping Sight Distance	730	425
11	Vertical Design Criteria	"K" Crest	247
		"K" Sag	181
12	Lanes	Number	3
		Width	12
13	Paved Shoulder Width	Left	4
		Right	8
14	Slopes	CS-4B	CS-4B
15	Vertical Clearance	16.5	16.5

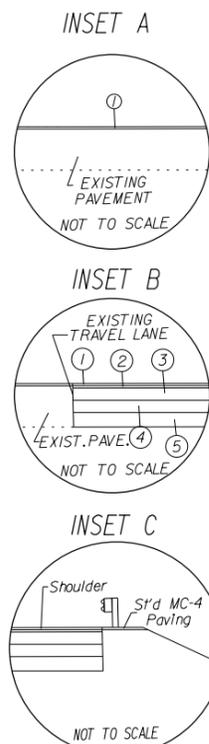
ROADWAY	STATION TO STATION		OFFSET	TYPE
	FROM	TO		
I-81	106+70	107+23	RT	GR-MGS2
	107+23	151+53 +/-	RT	GR-MGS1
	151+53 +/-	152+03	RT	BRIDGE ATTACHMENT TBD BY VDOT

DESIGN EXCEPTIONS TO MAINLINE SUPERELEVATION RATE

Sta. to Sta.	Superelevation Rate	Reason for Exception
108+17.00 to 148+00.00	Curve 1 LT: Varies +2.8% to +5.0% Curve 1 RT: Varies -5.5% to -8.0% Curve 2 LT: Varies -4.7% to -8.3% Curve 2 RT: Varies +2.1% to +5.4%	Match existing superelevation rate

PAVEMENT DETAILS

NOTE: SEE PLAN SHEETS FOR TYPICAL SECTIONS



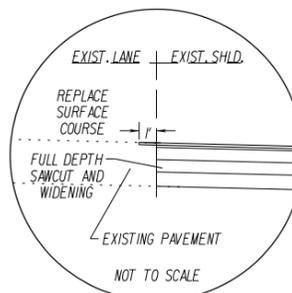
PAVEMENT LEGEND

- 2" Asphalt Concrete, Type SM-12.5E (220 Lbs./SY)
- 2" Asphalt Concrete, Type IM-19.0E (230 Lbs./SY)
- 10" Asphalt Concrete Base Course, Type BM-25.0A
- 10" Aggregate Base Material, Type I No. 21B (Note: 2" of the 10" is for Leveling Course over No. 1 Aggregate)
- 12" Aggregate Mat'l. No. 1

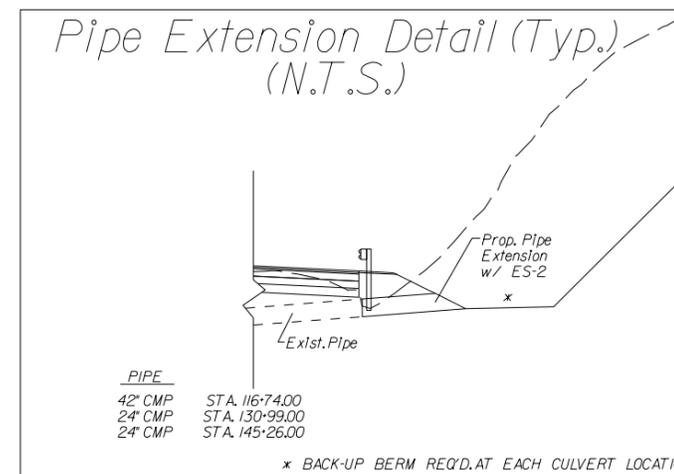
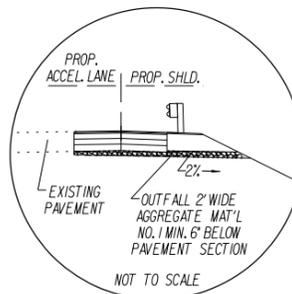
NOTE LEGEND

- Mod. WP-2 Sawcut Exist. Pavement Full Depth on the Exist. Edge of Pavement (See Mod. WP-2 Detail Inset)
- Aggregate Mat'l No. 1 to be drained by Aggregate Outfall every 500' (Max. 1000') (See Aggregate Outfall Detail Inset)
- See Plans for Location of Guardrail
- Mill and Overlay Exist. Surface 2"

MOD. WP-2 DETAIL INSET



AGGREGATE OUTFALL DETAIL INSET

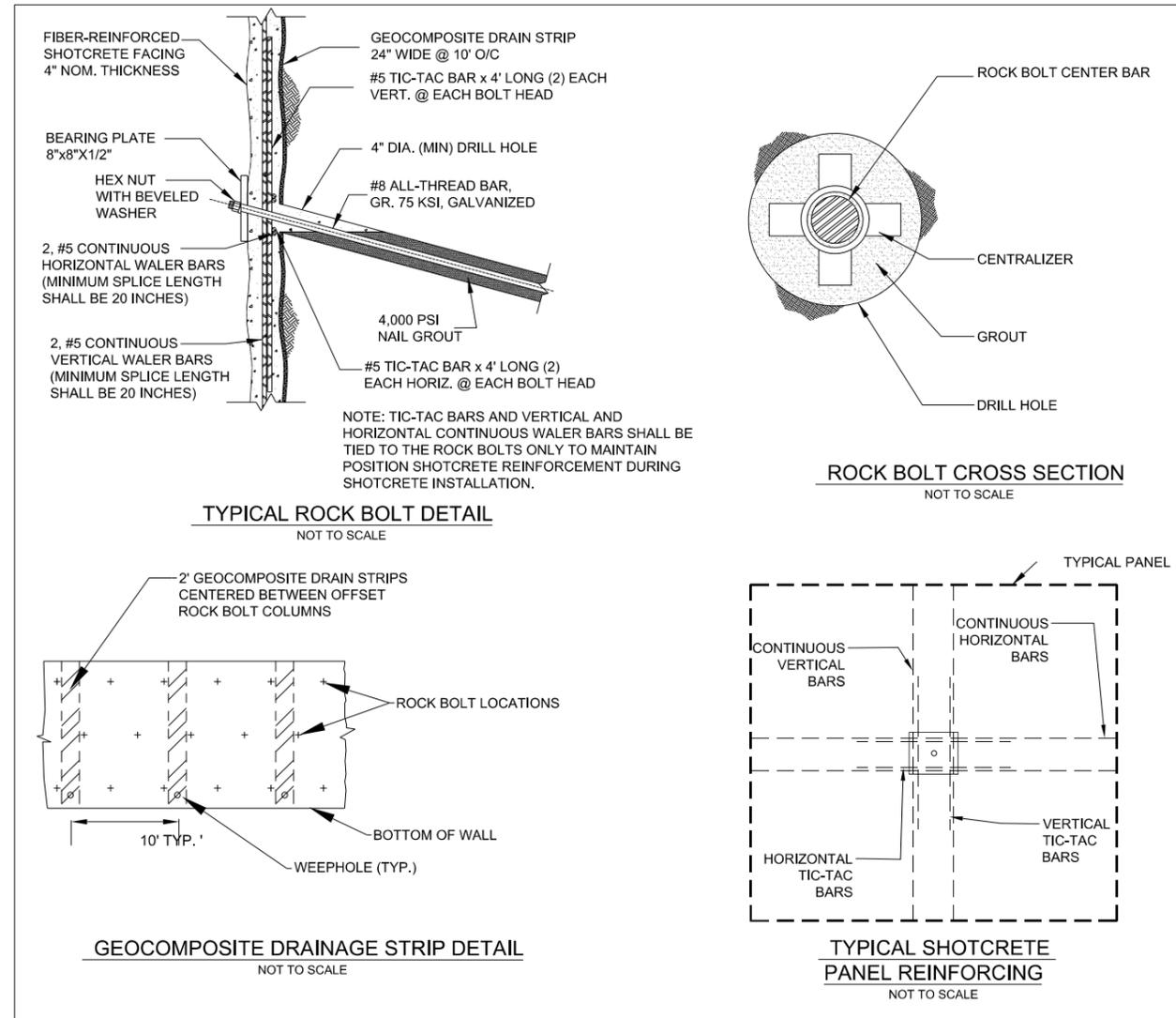


DESIGN BUILDER: **W-L Construction & Paving, Inc.**
 DESIGNED BY: **MT**
 STATE PROJECT NO.: (FO) 0081-086-834
 FEDERAL PROJECT NO.: NHPP-081-(393)
 VDOT
 I-81 MM 48 NORTHBOUND ACCELERATION LANE
 SHEET NO.: 1
 PAGE NO.:

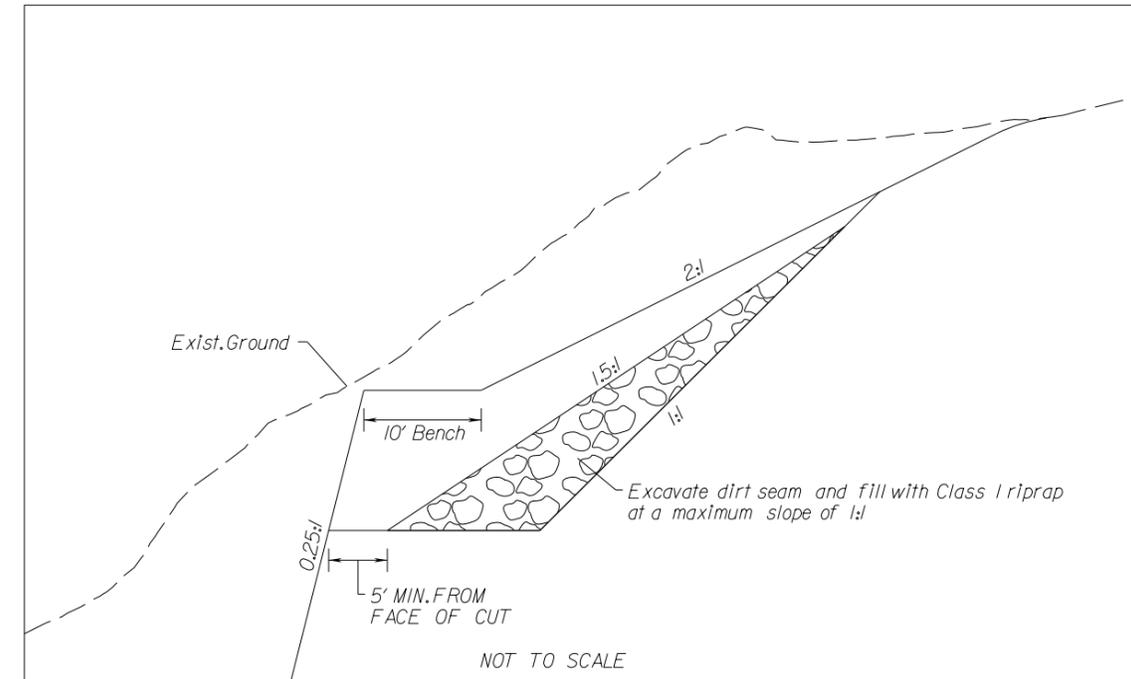
CONCEPTUAL PLANS

SLOPE TREATMENT DETAILS

METHOD 1 - ROCK BOLT DETAIL (Typ.)



METHOD 2 - DIRT SEAM EXCAVATION DETAIL (Typ.)



NOTE: METHOD OF REPAIR TO BE DETERMINED BASED ON CONDITIONS ENCOUNTERED IN FIELD.

DESIGN BUILDER
W-L Construction & Paving, Inc.

DESIGNED BY
MT

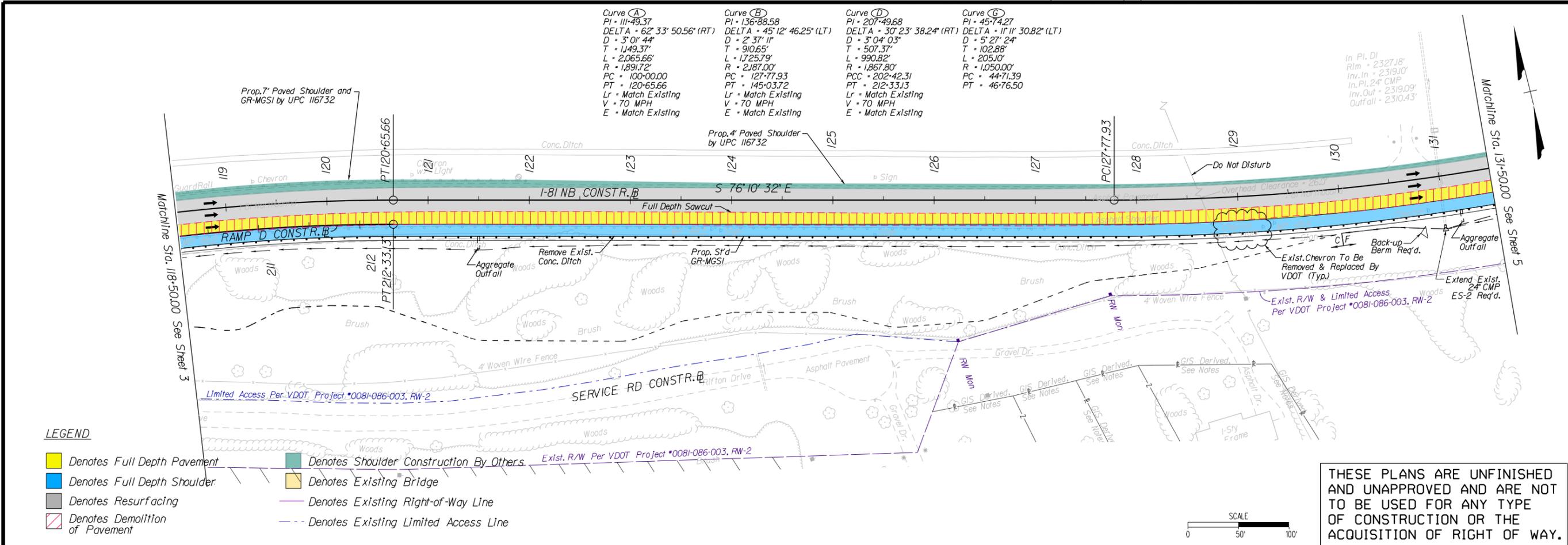
STATE PROJECT NO.
(NFO) 0081-086-834
FEDERAL PROJECT NO.
NHPP-081-1393

VDOT
I-81 MM 48 NORTHBOUND ACCELERATION LANE

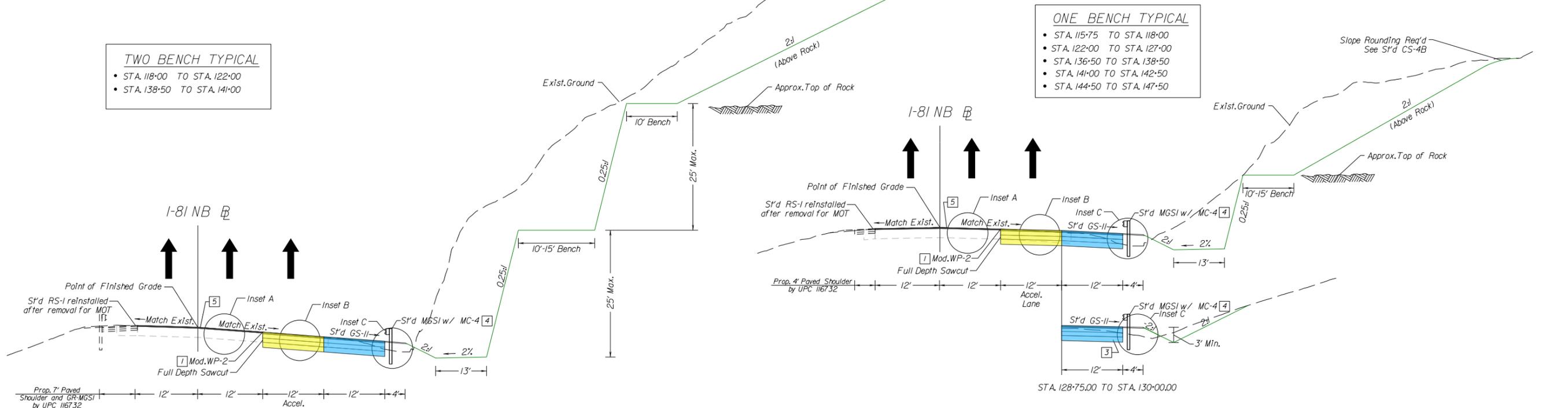
SHEET NO.
2

PAGE NO.

CONCEPTUAL PLANS



TYPICAL SECTIONS



CONCEPTUAL PLANS

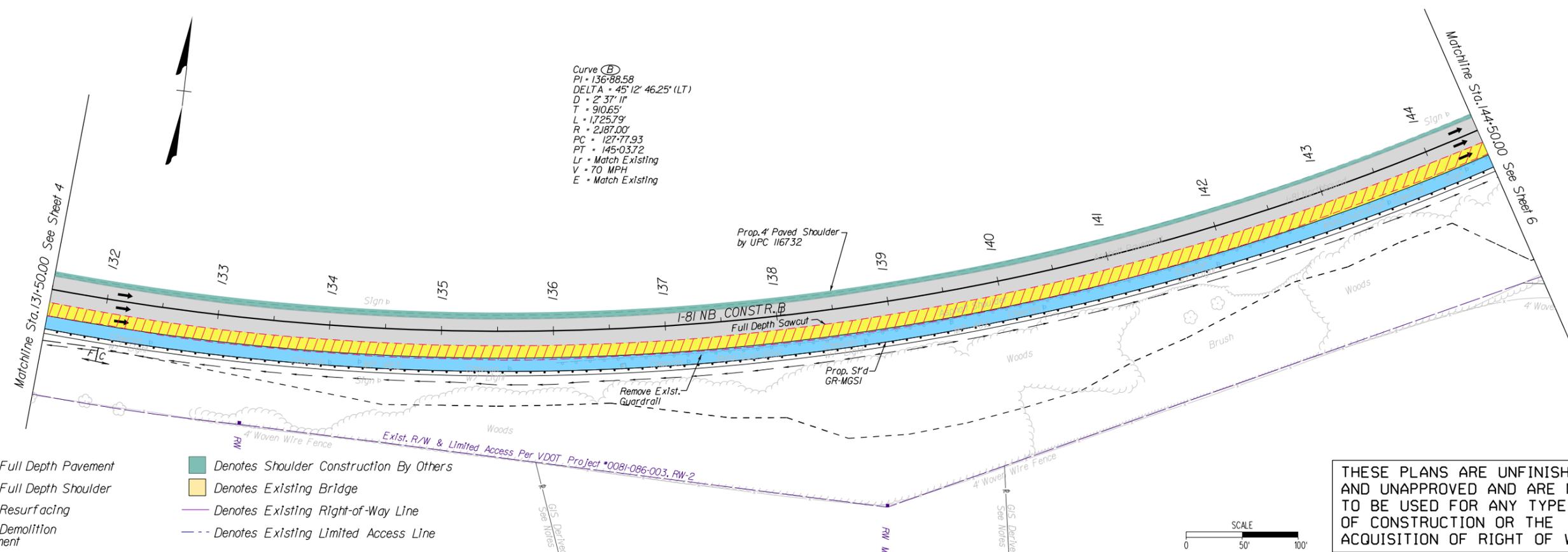
DESIGN BUILDER
W-L Construction & Paving, Inc.

DESIGNED BY
MT

STATE PROJECT NO. (MFO) 0081-086-834
FEDERAL PROJECT NO. MHPP-081-1393

1-81 MM 48 NORTHBOUND ACCELERATION LANE

SHEET NO. 4
PAGE NO.



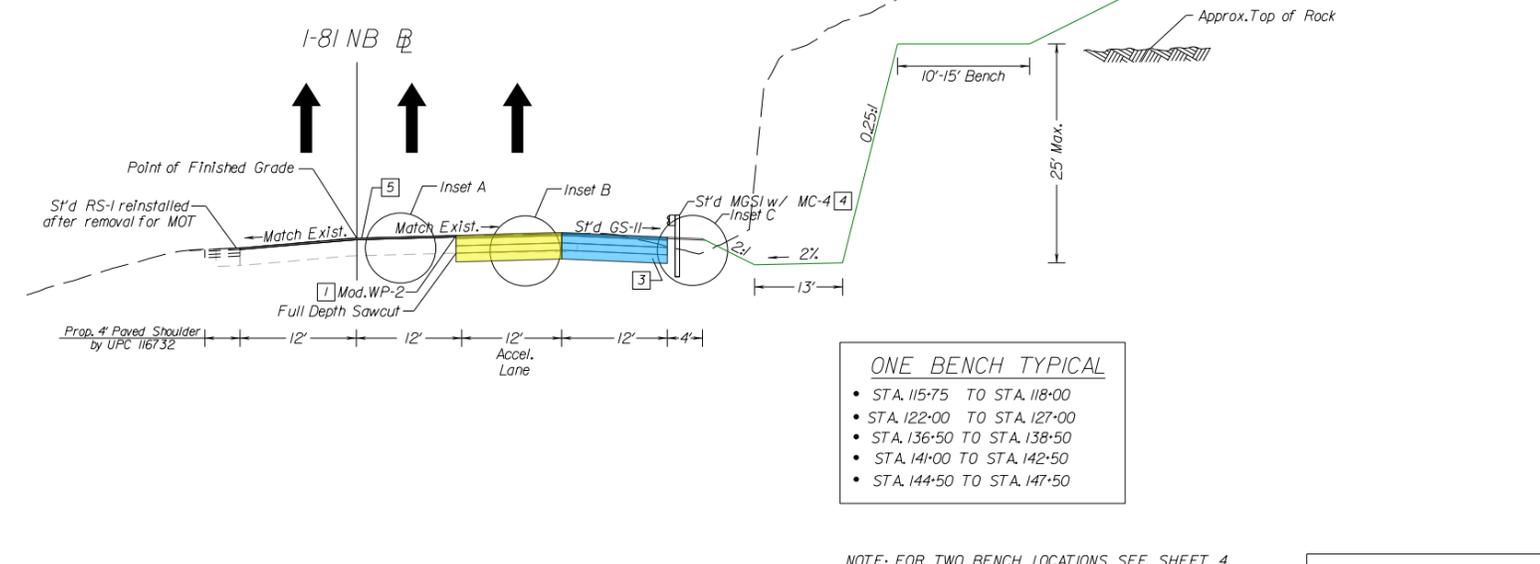
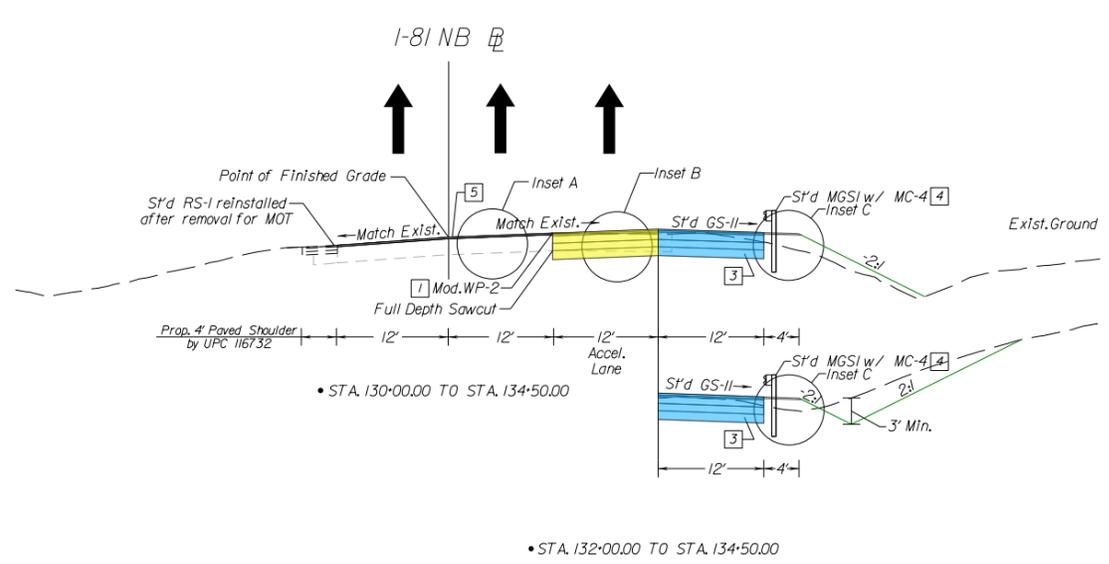
LEGEND

- Denotes Full Depth Pavement
- Denotes Full Depth Shoulder
- Denotes Resurfacing
- Denotes Demolition of Pavement
- Denotes Shoulder Construction By Others
- Denotes Existing Bridge
- Denotes Existing Right-of-Way Line
- Denotes Existing Limited Access Line

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

TYPICAL SECTIONS

NOTE: STATION RANGES ARE APPROXIMATE AND SUBJECT TO ACTUAL FIELD CONDITIONS.



ONE BENCH TYPICAL

- STA. 115+75 TO STA. 118+00
- STA. 122+00 TO STA. 127+00
- STA. 136+50 TO STA. 138+50
- STA. 141+00 TO STA. 142+50
- STA. 144+50 TO STA. 147+50

NOTE: FOR TWO BENCH LOCATIONS SEE SHEET 4.

DESIGNED BY **MT**

DESIGN BUILDER **W-L Construction & Paving, Inc.**

STATE PROJECT NO. (MFO) 0081-086-834

FEDERAL PROJECT NO. MHP-081-1393

VDOT

I-81 MM 48 NORTHBOUND ACCELERATION LANE

SHEET NO. 5

PAGE NO.



Virginia Department of Transportation

Contract ID #C00116161DB110

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

Federal Project No.: NHPP-081-1(367)

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

April 12, 2021



Route 58 Widening
Phase III



I-77 / I-81 Auxiliary
Lane Addition



US 460 Bypass / Southgate
Drive Interchange



I-81 Exit 14 Interchange
Reconstruction

PRICE PROPOSAL

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





Attachment 4.0.1.2
Price Proposal Checklist

ATTACHMENT 4.0.1.2

**DESIGN-BUILD PRICE PROPOSAL
CHECKLIST**

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

Contract ID Number: C00116161DB110

➤ 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))**
-



Attachment 4.3.1 Price Proposal Form

ATTACHMENT 4.3.1

PRICE PROPOSAL FORM

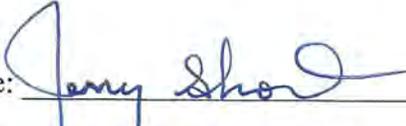
4.3.1 Offeror shall specify the pricing information for the items below, the dollars amount shall be in whole numbers:

Price Proposal Cost Breakdown Summary;

Design Services, LS	\$ <u>945,367.00</u>
Construction Services (exclude QA/QC), LS	\$ <u>7,051,742.87</u>
Quality Assurance (QA) (Construction), LS	\$ <u>361,410.00</u>
Quality Control (QC) (Construction), LS	\$ <u>210,000.00</u>

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

Lump Sum (LS): Eight million, five hundred sixty-eight thousand,
five hundred nineteen dollars and eighty-seven (\$ 8,568,519.87)
cents

Signature:  Date: 4/9/2021

Design-Builder: W-L Construction & Paving, Inc.

Vendor No.: W048



Attachment 4.3.2
Section 6.3 Exhibits

**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**

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

16145	Latex Mod. Emul. Treat. Type C	Ton	ATTD
16146	Latex Mod. Emul. Treat. Rutfilling	Ton	ATTD
16161	Modified Single Seal	Sy	ATTD
16162	Modified Double Seal	Sy	ATTD
16249	Nontracking Tack Coat	Gal.	ATTD
16250	Liquid Asphalt Matl. CMS-2 (Mod)	Gal	ATTD
16251	Liquid Asphalt Matl. CMS-2	Gal	ATTD
16252	Liquid Asphalt Matl. CRS-2	Gal	ATTD
16253	Liquid Asphalt Matl. CRS-2H	Gal.	ATTD.
16254	Liquid Asphalt Matl. RC-250	Gal	ATTD
16256	Liquid Asphalt Matl. RC-800	Gal	ATTD
16257	Ns Liquid Asphalt Matl.	Gal	ATTD
16260	Liquid Asphalt Matl. CRS-2L	Gal	ATTD
16325	NS Asphalt Concrete	Ton	N/A
16326	Asphalt Concrete Ty. SM-4.75A	Ton	315
16327	Asphalt Concrete Ty. SM-4.75D	Ton	315
16328	Asphalt Concrete Ty. SM-4.75E	Ton	315
16330	Asphalt Concrete Ty. SM-9.0A	Ton	315
16335	Asphalt Concrete Ty. SM-9.5A	Ton	315
16337	Asph. Conc. Ty. SM-9.5ASL (Spot Level)	Ton	315
16340	Asphalt Concrete Ty. SM-9.5D	Ton	315
16342	Asph. Conc. Ty. SM-9.5DSL (Spot Level)	Ton	315
16345	Asphalt Concrete Ty. SM-9.5E (64E-22)	Ton	315
16350	Asphalt Concrete Ty. SM-12.5A	Ton	315
16352	Asph. Con. Ty. SM-12.5ASL (Spot Level)	Ton	315
16355	Asphalt Concrete Ty. SM-12.5D	Ton	315
16357	Asph. Con. Ty. SM-12.5DSL (Spot Level)	Ton	315
16360	Asphalt Concrete Ty. SM-12.5E (64E-22)	Ton	315
16364	Asphalt Concrete Ty. SM-19.0E (64E)		
16365	Asphalt Concrete Ty. IM-19.0A	Ton	315
16370	Asphalt Concrete Ty. IM-19.0D	Ton	315
16371	Asphalt Concrete Ty. IM-19.0E (64E)		
16373	Asphalt Concrete Ty. IM-19.0A (T)	Ton	315
16374	Asphalt Concrete Ty. IM-19.0D (T)	Ton	315
16377	Asphalt Concrete Ty. BM-37.5	Ton	315
16379	Asphalt Concrete Ty. IM-19.0T	Ton	315
16390	Asphalt Concrete Ty. BM-25.0A	Ton	315
16392	Asphalt Concrete Ty. BM-25.0D	Ton	315
16395	Asphalt Concrete Ty. BM-25.0A (T)	Ton	315
16397	Asphalt Concrete Ty. BM-25.0D (T)	Ton	315
16400	Stone Matrix Asphalt SMA-9.5(64H-22)	Ton	ATTD
16401	Stone Matrix Asphalt SMA-9.5(64E-22)	Ton	ATTD
16402	Stone Matrix Asphalt SMA-12.5(64H-22)	Ton	ATTD
16403	Stone Matrix Asphalt SMA-12.5(64E-22)	Ton	ATTD
16404	Stone Matrix Asphalt SMA-19.0(64H-22)	Ton	ATTD
16405	Stone Matrix Asphalt SMA-19.0(64E-22)	Ton	ATTD
16490	Hot Mix Asphalt Treatment	Ton	ATTD

16500	Surf.Preparation & Restoration Type I	Ton	ATTD
16502	Surf.Preparation & Restoration Type II	Ton	ATTD
16504	Surf.Preparation & Restoration Type III	Ton	ATTD
67201	NS Asphalt Concrete Overlay	Ton	315
67210	NS Asphalt Concrete	Ton	315
68240	NS Asphalt Concrete	Ton	315

EXHIBIT 6.3 (c)
ADJUSTMENT FOR FUEL

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

June 26, 2018

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

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

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

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

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

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

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

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

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

B = Base index price

E = Current index price

Q = Quantity of individual units of work

F = Appropriate fuel factor

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

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

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

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

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

I elect to use this provision

I elect not to use this provision

Date:

1/24/21

Signature:

Jerry Shea

Design-builder: W-L Construction and Paving Inc.

Vendor No.: W048

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

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

June 6, 2018

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

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

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

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

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

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

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

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

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

Price increase/decrease will be computed as follows:

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

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

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

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

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

Sample Calculation of a Price Adjustment (increase)

Project bid on April 28, 2004.

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

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

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

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

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

Adjustment formula is as follows:

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

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

$$B = \$0.2816$$

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

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

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

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

Sample Calculation of a Price Adjustment (decrease)

Project bid on April 28, 2004.

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

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

*free on board

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

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

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

Adjustment formula is as follows:

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

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

$$B = \$0.2816$$

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

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

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

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

MASTER LISTING

STANDARD BID ITEMS ELIGIBLE FOR STEEL PRICE ADJUSTMENT

June 8, 2018

BLS Series I. D.

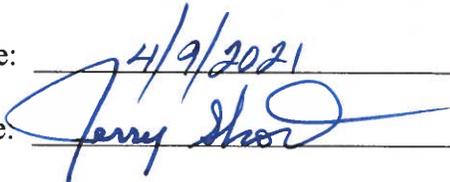
ITEM NUMBER	ITEM DESCRIPTION	UNITS	Number WPU used in \$ adjust.
00519	SHEET PILE, STEEL	SF	avg. 1017 & 101
00540	REINF. STEEL	LB	101704
00560	STRUCTURAL STEEL JB-1	LB	avg. 1017 & 101
11030	REINF. STEEL BRIDGE APPR. SLAB	LB	101704
13545	REINF. STEEL	LB	101704
14502	REINFORCING STEEL	LB	101704
45522	4" STEEL ENCASE. PIPE	LF	101706
45532	6" STEEL ENCASE. PIPE	LF	101706
45562	16" STEEL ENCASE. PIPE	LF	101706
45572	18" STEEL ENCASE. PIPE	LF	101706
45582	24" STEEL ENCASE. PIPE	LF	101706
45584	24" JACKED STEEL 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: 4/9/2021

Signature: 

Design-Builder: W-L Construction and Paving Inc.

Vendor No.: W048



Attachment 4.3.4
Proposal Guaranty Form C-24

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
PROPOSAL GUARANTY

KNOW ALL MEN BY THESE PRESENTS, THAT WE W-L Construction and Paving 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 8th Day of April, 20 21

WHEREAS, the above said principal is herewith submitting its proposal for: I-81 MM48 North Bound Acceleration Lane Extension
PROJECT NUMBER: 0081-086-834 PE101, C501
Federal Project No: NHPP-081-1 (367)
Contract I.D. #: 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.

W-L Construction and Paving Inc.

Liberty Mutual Insurance Company

(Principal*)

(Surety Company)

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

By: Trina Davis
(Attorney-in-Fact**) (Seal)

15 West South Temple, Suite 700
Salt Lake City, UT 84101

(Principal*)

(Address)

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

By: _____
(Surety Company)

(Principal*)

(Attorney-In-Fact**) (Seal)

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

By: _____
(Address)



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

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

**Attach copy of Power of Attorney

State of Utah }
County of Salt Lake } ss:

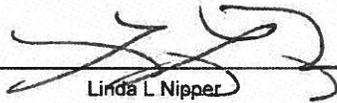
On April 8, 2021, before me, a Notary Public in and for said County and State, residing therein, duly commissioned and sworn, personally appeared

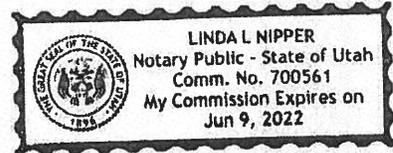
Tina Davis

known to me to be Attorney-in-Fact of Liberty Mutual Insurance Company the corporation described in and that executed the within and foregoing instrument, and known to me to be the person who executed the said instrument in behalf of the said corporation, and he duly acknowledged to me that such corporation executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year stated in this certificate above.

My Commission Expires 06-09-2022


Linda L Nipper Notary Public





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: 8205195-965019

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, Linda Lee Nipper, Lisa Hall, Tina Davis

all of the city of Salt Lake City state of UT 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 5th day of April, 2021.



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

By: David M. Carey

David M. Carey, Assistant Secretary

State of PENNSYLVANIA
County of MONTGOMERY ss

On this 5th day of April, 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
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 8th day of April, 2021.



By: Renee C. Llewellyn

Renee C. Llewellyn, Assistant Secretary

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

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



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

**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION**

PROJECT: 0081-086-834 PE101

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 Smyth, Virginia, this 9th day of April, 20 21
County (City), STATE
W-L Construction and Paving Inc. By: Jerry Short PRESIDENT
(Name of Firm) (Signature) Title (print)
STATE of Virginia COUNTY (CITY) of Smyth

To-wit:

I Robert Michael Green, a Notary Public in and for the State and County(City) aforesaid, hereby certify that this day Jerry Short

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 9th day of April, 20 21

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>VTCA</u>	<u>620 Moorefield Park Dr. Suite 120; Richmond, VA</u>
<u>VAA</u>	<u>6900 Patterson Ave.; Richmond, VA</u>
<u>ODHCA</u>	<u>250 West Main St, Suite 100; Charlottesville, VA</u>

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

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

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

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

(Continued)

ORDER NO.:
CONTRACT ID. NO.:

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 Smyth, Virginia, this 9th day of April, 20 21
County (City), STATE

W-L Construction and Paving Inc.
(Name of Firm)

By: Jerry Short PRESIDENT
(Signature) Title (print)

STATE of Virginia

COUNTY (CITY) of Smyth

To-wit:

I Robert Michael Green, a Notary Public in and for the State and County(City) aforesaid, hereby certify that this day Jerry Short

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 9th day of April, 20 21

Robert Michael Green
Notary Public

My Commission expires 7/31/2021

