



STATEMENT OF QUALIFICATIONS

A Design-Build Project

I-81 MM 48 Northbound Acceleration Lane Extension

Smyth County, Virginia

From: MM 48.1

To: MM 48.8

State Project Number: 0081-086-834 PE101, C501

Contract ID Number: C00116161DB110

Due: April 12, 2021



Volume I

Letter of Submittal and Attachments to the Letter of Submittal



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	4, 5
Acknowledgement of RFP, Revisions, and/or Addenda	Attachment 3.2 (Form C-78-RFP)	Sections 3.2; 4.0.1.1	7
Letter of Submittal			
Letter of Submittal on Offeror's letterhead	NA	Sections 4.1	9, 10
Offeror's full legal name and address	NA	Section 4.1.1	9, 10
Authorized representative's original signature	NA	Section 4.1.1	9, 10
Declaration of intent	NA	Section 4.1.2	9, 10
120 day declaration	NA	Section 4.1.3	9, 10
Point of Contact information	NA	Section 4.1.4	9, 10
Principal Officer information	NA	Section 4.1.5	9, 10
Offeror's Corporate Structure	NA	Section 4.1.6	9, 10
Full Legal Name of Lead Contractor, Lead Designer, and QAM	NA	Section 4.1.7	9, 10
Offeror's VDOT prequalification information	NA	Section 4.1.8	9, 10
DBE statement confirming Offeror is committed to achieving the required DBE goal	NA	Section 4.1.9	9, 10
Final Completion Date	NA	Section 4.1.10	9, 10

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	12
Certification Regarding Debarment Forms	Attachment 4.2.2(a) Attachment 4.2.2(b)	Section 4.2.2	14 16-19
Offeror's VDOT prequalification information	NA	Section 4.2.3	21
Evidence of obtaining bonding	NA	Section 4.2.4	23
Full size copies of DPOR licenses and SCC registrations	NA	Section 4.2.5	25-35
SCC registration information - businesses	Attachment 4.2.5	Section 4.2.5.1	37
DPOR registration information - businesses	Attachment 4.2.5	Section 4.2.5.2	37
Lead Contractor Work History Form	Attachment 4.2.6(a)	Section 4.2.6	39-41
Lead Designer Work History Form	Attachment 4.2.6(b)	Section 4.2.6	43-45
Conceptual Roadway Plans	NA	Section 4.2.7	47 (3)-51(6)

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

Danny Matthews  4/7/21
Vice President SIGNATURE DATE

Danny Matthews Vice President

Section 4.1

Letter of Submittal





Summers-Taylor, Inc.

600 Sevier Street
Johnson City, TN 37604
Phone (423) 543-3181
www.summerstaylor.com

April 12, 2021

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

Letter of Submittal/Statement of Qualifications
I-81 MM 48 Northbound Acceleration Lane Extension
Smyth County, Virginia
From: MM 48.1
To: MM 48.8
State Project No. 0081-086-834 PE101, C501
Contract ID # C00116161DB110

Dear Mr. Jeffrey A. Roby:

Summers-Taylor, Inc. (Summers-Taylor) as the Offeror, is please to submit to the Virginia Department of Transportation (VDOT) our Proposal in response to your Request for Proposals (RFP) for the Design Build Project, I-81 MM 48 Northbound Acceleration Lane Extension, State Project No.: 0081-086-834 PE101, C501. The Team of Summers-Taylor, Inc. (Summers-Taylor), Vaughn and Melton Consulting Engineers, Inc. (V&M), and Kelly Consulting, LLC (Kelly) henceforth referred to as the Summers-Taylor Team, is confident our Proposal presents a Team of superior experience and proven record in the design and construction of similar type of projects. Summers-Taylor and Vaughn and Melton have worked together on several design-build projects. In addition, Terracon Consultants has joined our team to provide professional Geotechnical Engineering services. Together we have experience with similar complexities in geotechnical engineering, karst geology, maintenance of traffic, and roadway design to this Design-Build project.

The Summers-Taylor Team offers the following information as required by Section 4.1 of the RFQ:

- 4.1.1 Summers-Taylor, Inc. is the full legal name of the Offeror.
- 4.1.2 Summers-Taylor, if selected, intends to enter into a contract with VDOT for the Project in accordance with the terms of this RFP.
- 4.1.3 Summers-Taylor declares that the offer represented by the Proposal will remain in full force and effect for one hundred twenty (120) days after the date the Price Proposal is submitted to VDOT (“Letter of Submittal & Price Proposal Due Date”).
- 4.1.4 Vice President Danny Matthews will serve as the Point of Contact for the Summers-Taylor Team:

600 Sevier Street
Johnson City, TN 37604

(Telephone): 423-543-3181
dannym@summerstaylor.com

- 4.1.5** President Grant Summers will serve as the Principal Officer for Summers-Taylor:
600 Sevier Street (Telephone) 423-543-3181
Johnson City, TN 37604 grants@summerstaylor.com
- 4.1.6** Summers-Taylor is a registered corporation in the Commonwealth of Virginia and will take full financial responsibility for the project. Per the Surety letter, “The statement of these [single project] values is neither a commitment nor a limitation of the bonding capacity of Summers- Taylor, Inc.” Summers-Taylor has the capability to obtain a performance and payment bond for the \$11.3M estimated contract value of the Project, as exhibited by the Surety letter in the Attachments to the Letter of Submittal.
- 4.1.7** Summers-Taylor, Inc. will be the Lead Contractor and Vaughn and Melton Consulting Engineers Inc. will be the Lead Designer, while Kelly Consulting, LLC will serve as the Quality Assurance Lead for the project. Sub-contractors to Vaughn and Melton are Mattern and Craig, Inc., and Terracon Consultants, Inc.
- 4.1.8** Summers-Taylor is active, in good standing, and prequalified to bid on the Project. Summers-Taylor’s prequalification number is S117 and a copy of the current listing of the Firm’s prequalification posted on VDOT’s website indicating Offeror is currently prequalified will be provided in the Attachments to the Letter of Submittal.
- 4.1.9** Summers-Taylor is committed to achieving a ten percent (10%) DBE participation goal for the entire value of the contract.
- 4.1.10** The Final Completion Date is July 25, 2022, as set forth in Part 1, Section 2.3.1.

Sincerely,



Grant Summers, President
Summers-Taylor, Inc.

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
Subsidiary	Summers Taylor Materials Co	600 Sevier Street Johnson City TN 37604

Attachment 4.2.2(a)

Certification Regarding Primary Debarment Forms



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.

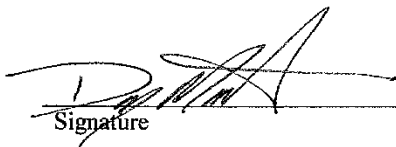
b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under 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

3/23/21 _____
Date

Vice President _____
Title

SUMMERS-TAYLOR, INC.

Name of Firm

Attachment 4.2.2(b) Certification Regarding Lower Tier Debarment Forms



ATTACHMENT 4.2.2(b)

CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS


I-81 MM 48 Northbound Acceleration Lane Extension

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

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

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

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

 _____ Signature	3/19/2021 _____ Date	President _____ Title
----------------------------------------------------------------------------------------------------------	----------------------------	-----------------------------

Kelly Consulting, LLC

Name of Firm

ATTACHMENT 4.2.2(b)

**CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS**

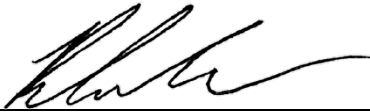
I-81 MM 48 Northbound Acceleration Lane Extension

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

4/9/21

Date

Vice President

Title

Vaughn & Melton Consulting Engineers, Inc.

Name of Firm

ATTACHMENT 4.2.2(b)

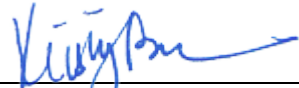
**CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS**

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	03/25/2021 _____ Date	Principal/Office Manager _____ Title
----------------------------------------------------------------------------------------------------------	-----------------------------	--------------------------------------------

Terracon Consultants, 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.

Randy L. Dodson February 20, 2021 Principal
Signature Date Title

Mattern & Craig, Inc.
Name of Firm

Offeror's VDOT prequalification information





Virginia Department of Transportation

Date Printed: 03/17/2021

**Department's List of Prequalified Vendors
Includes All Qualified Levels As Of 3/17/2021**

12:00 AM

Page 359

- S -

Vendor ID: S117
Vendor Name: SUMMERS-TAYLOR, INC.
Prequal Level: Prequalified
Prequal Exp: 09/30/2021

-- PREQ Address --

P. O. BOX 1628
ELIZABETHTON, TN 37643
Phone: (423)543-3181
Fax: (423)543-6189

Work Classes (Listed But Not Limited To)

- 002 - GRADING
- 003 - MAJOR STRUCTURES
- 005 - DRAINAGE STRUCTURES
- 013 - ROADWAY MILLING
- 171 - SURFACE TREATMENT

Bus. Contact: MATTHEWS, JEFFREY DANNY
Email: DANNYM@SUMMERSTAYLOR.COM

-- DBE Information --

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

Vendor ID: S1029
Vendor Name: SUNRISE SAFETY SERVICES, INC.
Prequal Level: Prequalified (Probationary)
Prequal Exp: 09/30/2021

-- PREQ Address --

6711 BAY MEADOW DRIVE SUITE D
GLEN BURNIE, MD 21060
Phone: (410)590-3905
Fax: (410)590-3906

Work Classes (Listed But Not Limited To)

- 078 - TEMPORARY TRAFFIC MANAGEMENT

Bus. Contact: GRONCKI, JANET CLAIRE
Email: ESTIMATING@SUNRISESAFETYSERVICES.COM

-- DBE Information --

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

Evidence of obtaining bonding





March 23, 2021

Commonwealth of Virginia
Virginia Department of Transportation (VDOT)
1401 East Broad Street
Richmond, VA 23219

Re: State Project No.: 0081-086-834 PE101, C501 – Federal Project No.: NHPP-081-1(367) – Contract ID Number: C00116161DB110 – A Design-Build Project, I-81 MM 48 Northbound Acceleration Lane Extension From: MM 48.1 to MM 48.8 Smith County, Virginia

To whom it may concern:

Fidelity and Deposit Company of Maryland, a corporation under the laws of the State of Illinois, with an office and place of business located 1299 Zurich Way, Schaumburg, IL 60196 has represented Summers-Taylor, Inc. since 1976, for their surety bonding needs.

At the present time, Summers-Taylor, Inc is in a position to consider single projects up to \$75,000,000 with an aggregate limit of \$130,000,000. The statement of these values is neither a commitment nor a limitation of the bonding capacity of Summers- Taylor, Inc. At the request of Summers-Taylor, Inc., Fidelity and Deposit Company of Maryland will give favorable consideration of providing the required 100% performance and payment bonds.

Please note that the decision to issues performance and payment bonds is a matter between Summers-Taylor, Inc. and Fidelity Deposit Company of Maryland, and will be subject to our standard underwriting at the time of the final bond request, which will include but not limited to the acceptability of the contract documents, bond form and financing. We assume no liability to Summers-Taylor, Inc., third parties or to you if for any reason we do not execute said bonds.

Fidelity and Deposit Company of Maryland is rated A+ (Superior) by A.M. Best, Financial Size Category of XV.

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

Sincerely,



Robert A. Davidson
Attorney-In-Fact

Full size copies of DPOR licenses and SCC registrations



Commonwealth of Virginia



State Corporation Commission

CERTIFICATE OF GOOD STANDING

I Certify the Following from the Records of the Commission:

That SUMMERS-TAYLOR, INC., a corporation incorporated under the laws of TENNESSEE, is authorized to transact business in the Commonwealth of Virginia;

That the corporation obtained a certificate of authority to transact business in Virginia from the Commission on August 11, 1993; and

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

Nothing more is hereby certified.



Signed and Sealed at Richmond on this Date:

March 24, 2021

A handwritten signature in cursive script, appearing to read "Bernard J. Logan".


Bernard J. Logan, Clerk of the Commission

CERTIFICATE NUMBER : 2021032415662401


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


NUMBER
2701001737

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



SUMMERS-TAYLOR INC
300 WEST ELK AVE
ELIZABETHTON, TN 37643




Mark Emz-Vabghian, Director

VOID

VOID

VOID

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

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR COMMONWEALTH of VIRGINIA
Department of Professional and Occupational Regulation

CLASS A BOARD FOR CONTRACTORS
CONTRACTOR

CLASSIFICATIONS CBC H/H RBC
NUMBER: 2701001737 EXPIRES: 08-31-2022

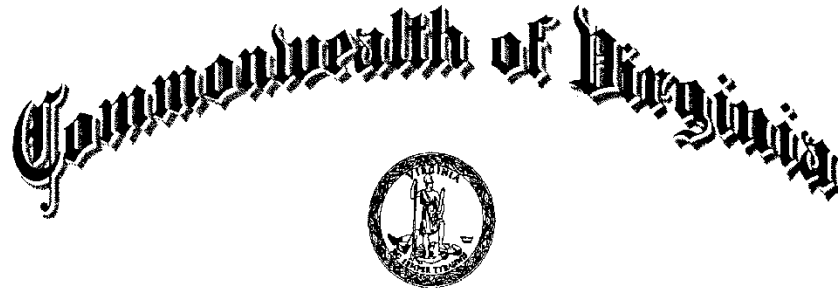
SUMMERS-TAYLOR INC
300 WEST ELK AVE
ELIZABETHTON, TN 37643



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

DPOR-LIC (02/2017)
(DETACH HERE)

DPOR-PC (02/2017)



STATE CORPORATION COMMISSION

Richmond, March 31, 2008

This is to certify that a certificate of authority to transact business in Virginia was issued and admitted to record in this office for

Vaughn & Melton Consulting Engineers, Inc.
(Date of qualification - April 7, 1981)

a corporation organized under the laws of KENTUCKY and that the said corporation is authorized to transact business in Virginia, subject to all Virginia laws applicable to the corporation and its business.



State Corporation Commission

Attest:

Joel H. Beck
Clerk of the Commission

CIS0505

State Corporation Commission Clerk's Information System

Entity Information

Entity Information

Entity Name: Vaughn & Melton Consulting Engineers, Inc.

Entity ID: F0383408

Entity Type: Stock Corporation

Entity Status: **Active**

Formation Date: N/A

Reason for Status: Active and In Good Standing

VA Qualification Date: 04/07/1981

Status Date: 06/23/2003

Industry Code: 0 - General

Period of Duration: Perpetual

Jurisdiction: KY

Annual Report Due Date: N/A

Registration Fee Due Date: Not Required

Charter Fee: \$360.00

Registered Agent Information

RA Type: Entity

Locality: HENRICO COUNTY

RA Qualification: BUSINESS ENTITY THAT IS AUTHORIZED TO
TRANSACTION BUSINESS IN VIRGINIA

Name: C T CORPORATION SYSTEM

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

Principal Office Address

Address: 109 S 24TH ST, MIDDLESBORO, KY, 40965 -
0000, USA

Principal Information

[Privacy Policy](#) | [Contact Us](#)




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
 0407005178

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

PROFESSIONS: ENG, LS



VAUGHN & MELTON CONSULTING ENGINEERS INC
 109 SOUTH 24TH ST
 PO BOX 1425
 MIDDLESBORO, KY 40965

Mary Brock-Vaughan, Director

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

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)
 COMMONWEALTH of VIRGINIA
 Department of Professional and Occupational Regulation

BOARD FOR APELSCIDLA
 BUSINESS ENTITY REGISTRATION
 NUMBER: 0407005178 EXPIRES: 12-31-2021
 PROFESSIONS: ENG, LS
 VAUGHN & MELTON CONSULTING ENGINEERS INC
 109 SOUTH 24TH ST
 PO BOX 1425
 MIDDLESBORO, KY 40965



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

DPOR-PC (02/2017)


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

EXPIRES ON
 02-28-2022

NUMBER
 0411001664

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

PROFESSIONS: ENG



VAUGHN & MELTON CONSULTING ENGINEERS INC
 1318 F PATTON AVE
 ASHEVILLE, NC 28806

Mary Brock-Vaughan, Director

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

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)
 COMMONWEALTH of VIRGINIA
 Department of Professional and Occupational Regulation

BOARD FOR APELSCIDLA
 BUSINESS ENTITY BRANCH OFFICE REGISTRATION
 NUMBER: 0411001664 EXPIRES: 02-28-2022
 PROFESSIONS: ENG
 VAUGHN & MELTON CONSULTING ENGINEERS INC
 1318 F PATTON AVE
 ASHEVILLE, NC 28806



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

DPOR-PC (02/2017)

Commonwealth OF Virginia



State Corporation Commission

CERTIFICATE OF FACT

I Certify the Following from the Records of the Commission:

That Kelly Consulting, LLC is duly organized as a limited liability company under the law of the Commonwealth of Virginia;

That the limited liability company was formed on May 18, 2015; and

That the limited liability company is in existence in the Commonwealth of Virginia as of the date set forth below.

Nothing more is hereby certified.



Signed and Sealed at Richmond on this Date:

May 26, 2020

Joel H. Peck

Joel H. Peck, Clerk of the Commission

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

EXPIRES ON
12-31-2021

NUMBER
0407006757

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

PROFESSIONS: ENG

KELLY CONSULTING, LLC
230 CHARWOOD DR STE H
ABINGDON, VA 24210

DPOR

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

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

DPOR-LIC (02/2017)
(DETACH HERE)

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

COMMONWEALTH of VIRGINIA
Department of Professional and Occupational Regulation

**BOARD FOR APELSCIDLA
BUSINESS ENTITY REGISTRATION**
NUMBER: 0407006757 EXPIRES: 12-31-2021
PROFESSIONS: ENG
KELLY CONSULTING, LLC
230 CHARWOOD DR STE H
ABINGDON, VA 24210

DPOR-PC (02/2017)

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



Commonwealth of Virginia



State Corporation Commission

CERTIFICATE OF GOOD STANDING

I Certify the Following from the Records of the Commission:

That Terracon Consultants, Inc., a corporation incorporated under the laws of DELAWARE, is authorized to transact business in the Commonwealth of Virginia;

That the corporation obtained a certificate of authority to transact business in Virginia from the Commission on January 21, 2004; and

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

Nothing more is hereby certified.



Signed and Sealed at Richmond on this Date:

September 2, 2020

Handwritten signature of Bernard J. Logan in black ink.

Bernard J. Logan, Interim Clerk of the



Commission

CERTIFICATE NUMBER : 2020090214890234

COMMONWEALTH of VIRGINIA
 Department of Professional and Occupational Regulation
 9960 Mayland Drive, Suite 400, Richmond, VA 23233
 Telephone: (804) 367-8580

NUMBER
 0411001673

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

TERRACON CONSULTANTS INC
 19955 HIGHLAND VISTA DR
 STE 170
 ASHBURN, VA 20147

Mary Brock Vaughan, Director

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

DPOR-LIC (02/2017)
 (DETACH HERE)

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

COMMONWEALTH of VIRGINIA
 Department of Professional and Occupational Regulation

BOARD FOR APPELSCIDLA
BUSINESS ENTITY BRANCH OFFICE REGISTRATION
 NUMBER: 0411001673 EXPIRES: 02-28-2022
 PROFESSIONS: ENG
 TERRACON CONSULTANTS INC
 19955 HIGHLAND VISTA DR
 STE 170
 ASHBURN, VA 20147



(FOLD)

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

DPOR-FC (02/2017)

SEP 1992

Commonwealth of Virginia



State Corporation Commission

I Certify the Following from the Records of the Commission:

MATTERN & CRAIG, INC. is a corporation existing under and by virtue of the laws of Virginia, and is in good standing.

The date of incorporation is July 01, 1982.

Nothing more is hereby certified.

RECEIVED
92 FEB 26 PM 2:22
SECRETARY OF STATE



Signed and Sealed at Richmond
on this Date: February 20, 1992

William J. Bridge

William J. Bridge, Clerk of the Commission


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

EXPIRES ON
12-31-2021


NUMBER
0407003038


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

PROFESSIONAL ENGINEERING, LS



MATTERN & CRAIG, INC.
701 FIRST STREET SW
ROANOKE, VA 24016




Mary Elizabeth Anderson, Director


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

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOK COMMONWEALTH of VIRGINIA
Department of Professional and Occupational Regulation

**BOARD FOR APPELSCIDLA
BUSINESS ENTITY REGISTRATION**

NUMBER: 0407003038. EXPIRES: 12-31-2021
PROFESSIONS: ENG, LS
MATTERN & CRAIG, INC.
701 FIRST STREET SW
ROANOKE, VA 24016



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

DPOK-PC (02/2017)

DPOK-LIC (02/2017)
(DETACH HERE)

Attachment 4.2.5

SCC and DPOR registration information - businesses



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.

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
Summers-Taylor, Inc.	F1149162	Stock	Active	300 WEST ELK AVE, ELIZABETHTON, TN 37643	Corporation	2701001737	2022-08-31
Vaughn & Melton Consulting Engineers, Inc.	F0383408	Stock	Active	3509 HAWORTH DR STE 100, RALEIGH, NC 27609	Corporation	0411001695	2022-02-28
Vaughn & Melton Consulting Engineers, Inc..	F0383408	Stock	Active	1318 F PATTON AVE, ASHEVILLE, NC 28806	Corporation	0411001664	2022-02-28
Kelly Consulting, LLC	S5609310	Limited Liability	Active	15203 TURNBERRY CT, BRISTOL, VA 24202	LLC	0407006757	2021-12-31
Mattern & Craig, Inc.	02313781	Stock	Active	12 BROAD ST, ASHEVILLE, NC 28801	Corporation	0411001657	2022-02-28
Mattern & Craig, Inc.	02313781	Stock	Active	701 FIRST STREET SW, ROANOKE, VA 24016	Corporation	0407003038	2021-12-31
Terracon: GeoConcepts Engineering, Inc	05167671	Stock	Active	19955 HIGHLAND VISTA DRIVE SUITE 170, ASHBURN, VA 20147	Corporation	0407004404	2021-12-31
Terracon: Skelly and Loy, Inc.	F1136367	Stock	Active	449 EISENHOWER BLVD SUITE 300, HARRISBURG, PA 17112	Not listed	0407001402	2021-12-31

Attachment 4.2.6(a) Lead Contractor Work History Forms



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: CNK802 Location: Hamblen Co. Interchange (US25)	Name: T.D.O.T.	Name of Client/ Owner: T.D.O.T. Phone: 423-585-3524 Project Manager: Tom Bruce Phone: 423-585-3524 Email: thomas.bruce@tn.gov	10/2015	10/2015	\$16,486,981.09	\$19,919,709.94	\$14,588,751.21

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.

Interchange construction consisting of one (1) prestressed Type IV I-beam concrete bridge with reinforced concrete deck slab supported with two (2) concrete abutments and one (1) center pier on driven piling foundations over S.R. 32. Length of bridge is 204 LF. Also includes right and left lane prestressed 54" bulb-tee beam concrete bridges with reinforced deck slabs supported with two (2) concrete abutments on driven piling foundations over Retail Rd. Length of bridge is 117 LF (LL) and 114 LF (RL). Project included .08 miles of bridge construction and .907 miles of roadway construction to include new: grading (362,204 CYDS), controlled rock blasting and excavation adjacent to SR32, drainage (10,170 LF), asphalt paving (31,767 TONS), concrete ramp paving (9,258 SYDS), base (76,784 TONS), guardrail, five (5) precast MSE retaining walls (22,571 SF), two (2) CIP retaining walls (548 CYDS), signalization, overhead sign structures, permanent signs and maintenance of traffic, etc. The project average daily traffic includes 29,140 vehicles.



ATTACHMENT 4.2.6(a)

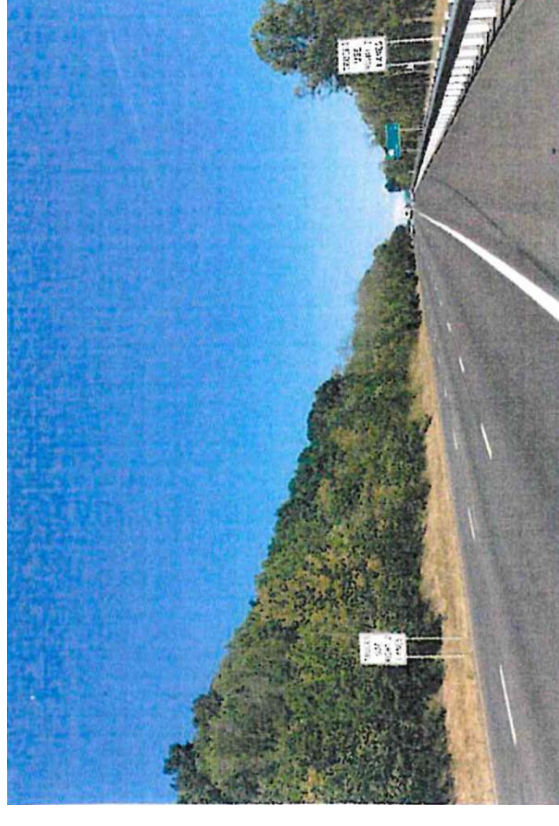
LEAD CONTRACTOR - WORK HISTORY FORM

(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: CNQ304 Location: Sullivan Co (I-81 Truck Climbing Lane)	Name: T.D.O.T.	Name of Client/ Owner: T.D.O.T. Phone: 423-926-4219 Project Manager: Trampus Grindstaff Phone: 423-926-4219 Email: Trampus.Grinstaff@tn.gov	10/2018	3/2019	\$8,369,782.35	\$9,860,188.75	\$8,309,370.63

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

This construction project added a truck climbing lane on Interstate I-81 EB (Mile Marker 60, L.M. 6.76-9.48). The scope of work included extensive grading, drainage, traffic control, new signage, paving, and construction of two (2) concrete box beam bridges. The project average daily traffic includes 21,034 vehicles.



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: CNM351 Location: Wash Co. I-26 & 75 Interchange	Name: T.D.O.T.	Name of Client/ Owner: T.D.O.T. Phone: 423-926-4219 Project Manager: Trampus Grindstaff Phone: 423-926-4219 Email: Trampus.Grinstaff@tn.gov	4/2016	4/2016	\$13,258,952.72	\$14,286,846.67	\$11,082,551.16

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.

Interstate interchange construction consisting of two (2) phased plate girder steel bridge and reinforced concrete deck slab. Length of bridge is 230 LF. The existing bridge over I-26 completely demolished/removed in one weekend. Included widening and modifications of one (1) existing bridge consisting of AASHTO (Type II) precast beams with composite deck slab, concrete abutments and piers. Project included .875 miles of roadway construction to include: grading (47,637 CYDS), controlled rock blasting and excavation adjacent to I-26, drainage (1,358 LF), asphalt paving (7,694 TONS), concrete ramp paving (28,000 SYDS), base (28,949 TONS), guardrail, two (2) precast MSE retaining walls (8,547 SF), bridge lighting signalization, overhead sign structures, permanent signs, pavement markings and maintenance of traffic, etc. Bridge removal was completed in one weekend via Interstate closure and controlled demolition. The project average daily traffic includes 54,110 vehicles.



Attachment 4.2.6(b) Lead Designer Work History Forms



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 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-6050: I-74/I-77 Interchange Location: Surry County, NC	Name: Adams Construction Company.	Name of Client.: NCDOT Division 11 Phone: 336-903-9101 Project Manager: Ramie Shaw, PE Phone: 336-903-9134 Email: rashaw@ncdot.gov	03/2019	11/2019	\$2,654,682	\$2,654,682 (Actual)	\$85,000
<p>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.</p>							



As a subconsultant to Wetherill Engineering on the North Carolina Department of Transportation's Western Region Division Design Limited Services Contract for Division 11, Vaughn & Melton was selected in the winter of 2018 to provide Traffic Management Plans and Pavement Marking Plans for this Interstate Rehabilitation Project. Vaughn and Melton provided their services primarily out of their Asheville office. The purpose of this project was to mill and fill all the ramps from I-74 to I-77 and the ramps accessing I-74 from I-77 as well as provide shoulder reconstruction parallel to these ramps on I-74 at the I-77 interchange in Surry County. The work was scheduled for a spring 2019 Construction letting.


Due to the close proximity of two partial cloverleaf interchanges with NC 89, one on I-77 and one on I-74, the Traffic Management Plans had to address multiple overlapping acceleration and deceleration traffic movements. As a result, the Traffic Phasing included an off-site detour for I-74 traffic in order to direct traffic off-site for the milling and resurfacing of I-74 away from traffic. Nightly lane closures were also applied with the use of NCDOT Roadway Standard Drawings for Temporary Lane Closures, Digital Speed Limit Signs, High Visibility Devices, Sequential Flashing Warning Lights and Work Zone Presence Lighting in order to work under traffic.

The use of the aforementioned Transportation Management Strategies and Traffic Control devices ensured a safe working environment for all construction workers and the safety of the general public.

ATTACHMENT 4.2.6(b)

LEAD DESIGNER - WORK HISTORY FORM

(LIMIT 1 PAGE PER PROJECT)

<p>a. Project Name & Location</p> 	<p>b. Name of the prime/ general contractor responsible for overall construction of the project.</p>	<p>c. Contact information of the Client and their Project Manager who can verify Firm's responsibilities.</p>	<p>d. Construction Contract Start Date</p>	<p>e. Construction Contract Completion Date (Actual or Estimated)</p>	<p>f. Construction Contract Value (Original)</p>	<p>g. Design Fee for the Work Performed by the Firm identified as the Lead Designer for this procurement.(in thousands)</p>
<p>Name: Route 603 Widening Location: Elliston, Va</p>	<p>Name: Faulconer Construction of Charlottesville</p>	<p>Name of Client: Whitman, Requardt & Associates, LLP Phone: (410) 235-3450 Project Manager: Jeff Basford Phone: 410-235-3450 Email: jbasford@wrallp.com</p>	<p>Est. 2013</p>	<p>Est. 05/2016</p>	<p>\$13.1M (est)</p>	<p>Total Cost \$17M (est):</p> <ul style="list-style-type: none"> • Engineering & Roadway Plans \$1.5M (est); • ROW, Utility Relocations, Relocation Assistance \$2.4M (est)

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.

GeoConcepts Engineering, Inc., a Terracon company located in Ashburn, Va and sub-consultant to Faulconer Construction of Charlottesville was responsible for providing geotechnical engineering services to VDOT through a statewide contract. Terracon's first task order involved performing a geotechnical engineering investigation for the planned Route 603 widening project in Elliston, Va. The project consisted of an approximately 10,600-foot reconstruction of existing Route 603 between Exit 128 of I-81 and Roanoke Road. The improvements included two 12-foot travel lanes, rock catchment areas, rock catchment areas, two stormwater management (SWM) ponds, three drainage pipes greater than 36 inches in diameter, and a trenchless construction of a pipeline that will cross underneath a Norfolk Southern Railway track. **The proposed construction required sidehill fill slopes as high as 45 feet and cuts slope of 10-190 feet in height including rock cuts.** Subsurface conditions were investigated by drilling a total of 63 test borings, 4 hand augers, and 20 electrical resistivity soundings. During the field investigation, access to the site was extremely challenging. Roads had to be cut into the slope to allow access for drilling equipment. Movement on the site was restricted by dense trees and the steep nature of the slope. **Great care had to be taken to control equipment and ensure safety, as several borings were conducted above cliff areas and active roadways.** Selected soil and rock core samples obtained from the field investigation were tested for grain size distribution, Atterberg limits, compaction characteristics using standard effort, California Bearing Ratio (CBR), metal corrosion, concrete attack, unconfined compressive strength, shear strength, and natural moisture contents. A geophysical field investigation consisting of an Electrical Resistivity Imaging (ERI) survey was also performed at the site by Terracon. High-resolution ERI shows large vertical variations in subsurface resistivity that characterize karst terrain, which was expected in the limestone bedrock on site.



Due to the limited right of way on the crest of the slope we were limited to the slope gradient of the cut slope. Additionally, the brecciated material in the vicinity of the cuts composed of a dispersed phase of limestone and dolostone in a matrix phase of calcareous tufa typically referred to as a "bimrock" mélange. Although it has been modified by chemical and mechanical weathering and limited groundwater solution activity, there is no evidence to suggest that any large-scale landslide activity has occurred since the original cut was created. Rock borehole shear testing helped to evaluate the shear strength of the bimrock. **Recommended cut slopes along the alignment ranged between 0.8H:1V to 1.6H:1V slopes.** Ten feet thick layer of fat clay was encountered in the location where new embankment fill was anticipated, a slope gradient of 2.5H:1V was recommended due to slope instability at the proposed 2H:1V gradient. Based on the results of the field investigation and approximately 9,600 linear feet of ERI survey, the most prevalent karst feature at this site was solution-altered bedrock exposed in the road cut. No caves, well-developed surface sinkholes, or incipient sinkholes were observed within the project area during fieldwork. **Terracon also performed the rockfall simulations to design the catchment area.** Depending on the height of the slope and slope gradient varying rock catchment area widths were recommended along the project alignment. **The rock catchment area in combination with the shoulder was anticipated to prevent 80-85 percent rockfall from entering the roadway.**

Terracon provided recommendations for the trenchless crossing under the Norfolk Southern Railroad. Given the short length of the crossing, presence of soft CH soils, and the likelihood that the tunnel zone would either be at or above the groundwater table (and could be relatively easily dewatered), the Jack-and-Bore and pipe ramming methods were considered appropriate trenchless methods. Additionally, **settlement analysis was performed to ensure that the railroad is negatively impacted due to jack and bore.** Terracon also provided the pavement design recommendations and delineation of unsuitable soils along the project alignment.

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, Exit 8 interchange with US 25E Location: Hamblen County, TN	Name: Blalock and Sons, Inc.	Name of Client.: TDOT Phone: (615) 741-2221 Project Manager: Ataur Rahman, PE Phone: (615) 741-2221 Email: Ataur.Rahman@tn.gov	2012	2015	\$21,000,000	\$21,000,000 (Estimated)	\$298,000

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

The Tennessee Department of Transportation selected Vaughn & Melton as Prime Consultant to provide turn-key design services for the improvement and upgrade of the existing I-81 Exit 8 interchange with US 25E along with portions of US25E, located in Hamblen County, TN. The design work was performed out of the V&M Gray and Knoxville, TN offices. The improvements upgraded the capacity and geometry of the interchange, which was necessary due to increased growth in the surrounding areas. A recently constructed industrial park in close vicinity, residential and commercial developments in nearby Morristown, TN on the northern side of I-81 had increased the traffic flow from I-81 putting a strain on the existing interchange and adjacent intersections.

The new design, which changed the configuration of the original half cloverleaf interchange to a modernized free-flowing interchange, met current TDOT/AAHSTO standards. New northbound entrance and exit ramps from I-81 were developed, in addition to a new southbound entrance ramp to US 25E from I-81. The new southbound on-ramp included the structural design of a bridge crossing at the railroad serving the industrial park that met TDOT and railroad standards. Additional structural designs included a large box bridge over Sinking Creek. An auxiliary (slip lane) lane was also added to US 25E for additional traffic capacity between the new industrial park and the improved interchange. This provided a much-needed relief to the strain on the interchange for truck traffic to easily access I-81 without affecting the through traffic moving southbound on US 25E.

The urban roadway design for US 25E accommodated commercial truck operations with the widening of existing shoulders, bridge construction, as well as intersection improvements just North of the interchange. Directional and statutory MUTCD signage was also part of the completed project. Utility coordination and relocation of several utilities, including electric, water and gas, were accomplished on the project.

Entire project cost: \$21 million. V&M provided professional design services for the interchange redesign and utilities relocation.



Volume II

Conceptual Roadway Plans



PROJECT MANAGER Robert Leonard (276) 696-3258 (Bristol)
 SURVEYED BY DATE Woolbert, Inc. (757) 549-3549
 DESIGN BY Johnson, Mirmiran & Thompson (804) 323-9900
 SUBSURFACE UTILITY BY DATE Woolbert, Inc. (757) 549-3549

R. F. P. PLANS

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

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	81	0081-086-834, PE101.C501	3

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

Johnson, Mirmiran & Thompson
 Richmond, Virginia
 ROADWAY ENGINEER

Johnson, Mirmiran & Thompson
 Richmond, Virginia
 HYDRAULICS ENGINEER

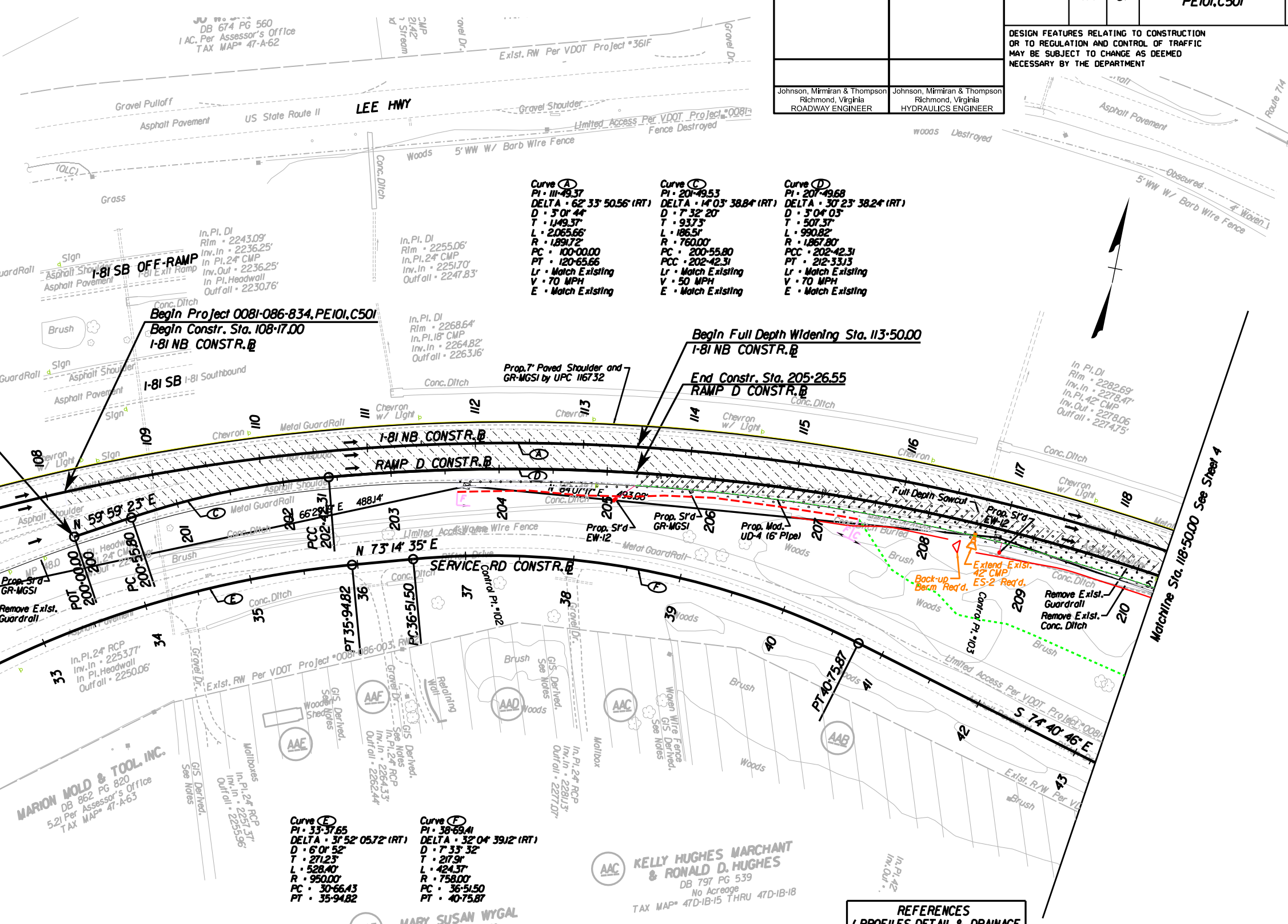
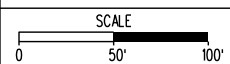
Denotes New Pavement

Denotes Resurfacing

Denotes Demolition of Pavement

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

I-81 NB Profile 3A



\$TIME\$ \$STAMP\$

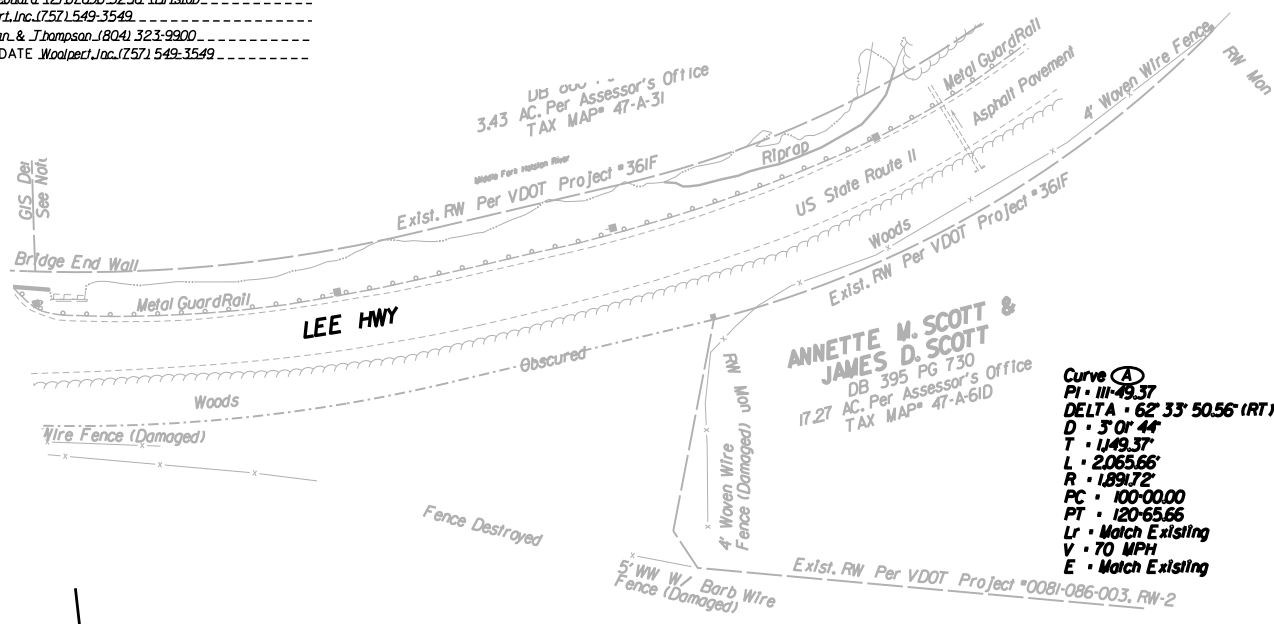
PROJECT MANAGER Babert Leonard (276) 696-3258 (Br1sta)
 SURVEYED BY, DATE Woolpert, Inc. (757) 549-3549
 DESIGN BY Johnson, Mirmiran & Thompson (804) 323-9300
 SUBSURFACE UTILITY BY, DATE Woolpert, Inc. (757) 549-3549

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	81	0081-086-834.C501	4

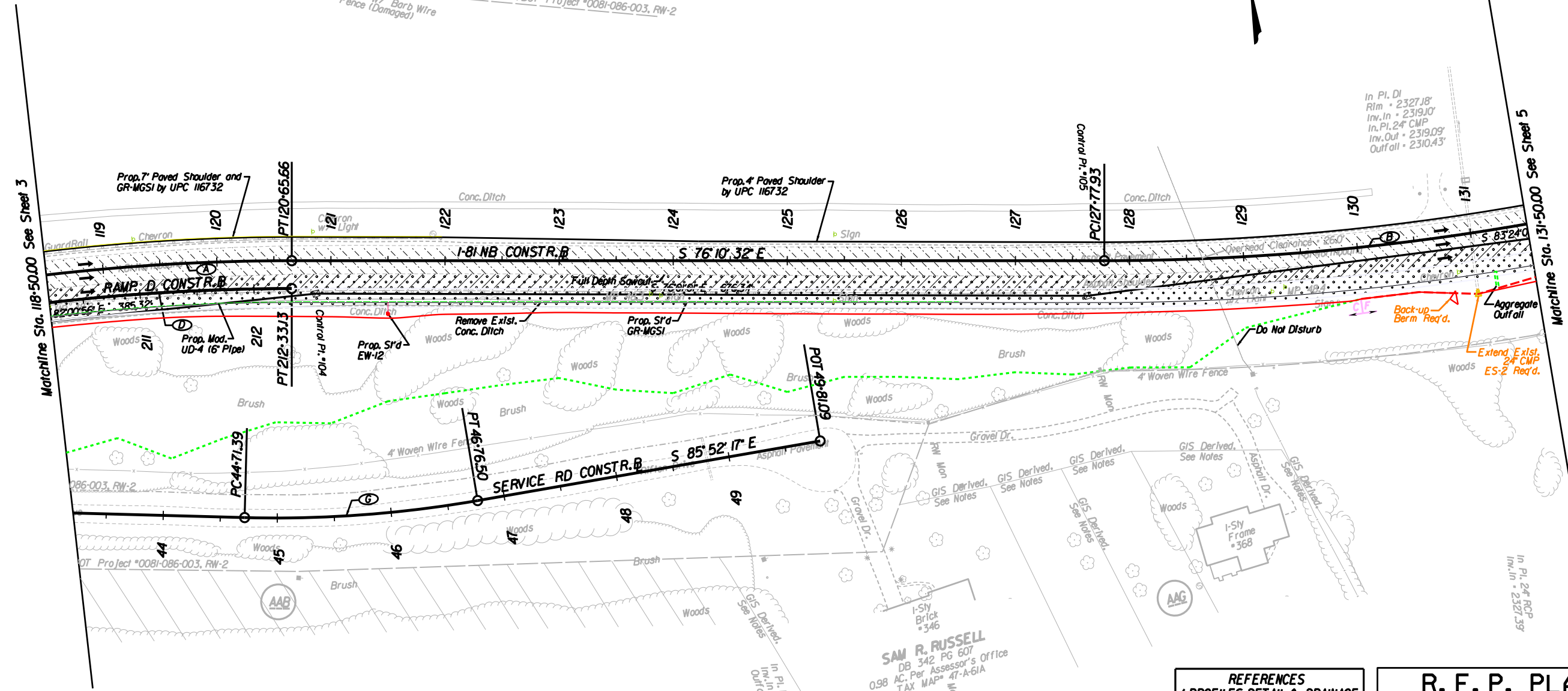
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Johnson, Mirmiran & Thompson
 Richmond, Virginia
 ROADWAY ENGINEER

Johnson, Mirmiran & Thompson
 Richmond, Virginia
 HYDRAULICS ENGINEER



Curve A PI • 111-49.37 DELTA • 62° 33' 50.56" (RT) D • 3' 0" 44" T • 1,149.37' L • 2,065.66' R • 1,891.72' PC • 100-00.00 PT • 120-65.66 Lr • Match Existing V • 70 MPH E • Match Existing	Curve B PI • 136-88.58 DELTA • 45° 12' 46.25" (LT) D • 2' 3" 11" T • 90.85' L • 1,725.79' R • 2,187.00' PC • 127-77.93 PT • 145-03.72 Lr • Match Existing V • 70 MPH E • Match Existing	Curve C PI • 207-49.68 DELTA • 30° 23' 38.24" (RT) D • 3' 0" 05" T • 507.37' L • 990.82' R • 1,867.80' PC • 202-42.31 PT • 212-33.13 Lr • Match Existing V • 70 MPH E • Match Existing	Curve D PI • 45-74.27 DELTA • 11° 11' 30.82" (LT) D • 5' 27" 24" T • 102.88' L • 205.10' R • 1,050.00' PC • 44-71.39 PT • 46-76.50
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------



Matchline Sta. 118+50.00 See Sheet 3

Matchline Sta. 131+50.00 See Sheet 5

AAB PATRICIA DIMAGGIO, ET AL
 DB 358 PG 102
 9.45 AC. Per Assessor's Office
 TAX MAP# 47D-1B-19
 THRU 47D-1B-52

SAM R. RUSSELL
 DB 342 PG 607
 0.98 AC. Per Assessor's Office
 TAX MAP# 47-A-61A

	Denotes New Pavement
	Denotes Resurfacing
	Denotes Demolition of Pavement

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

I-81 NB Profile 4A

R. F. P. PLANS

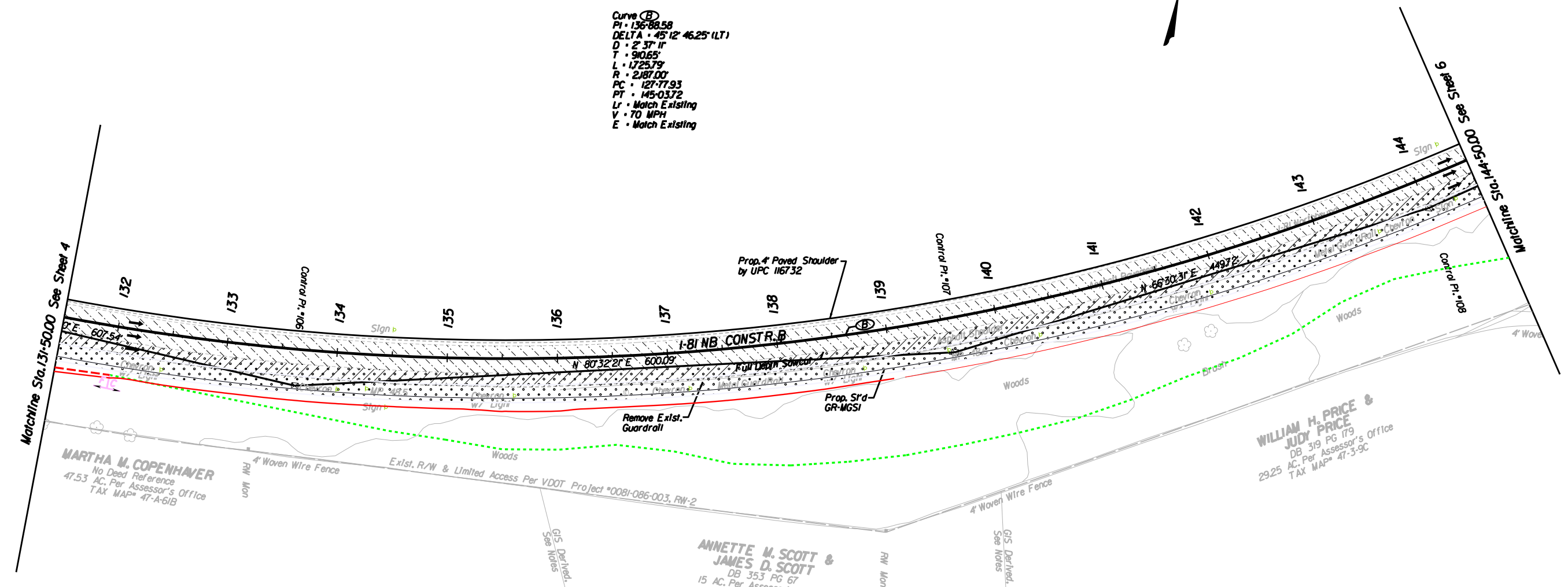
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

\$TIMES\$TIMPS

PROJECT MANAGER Robert Leonard (276) 696-3258 (Bristol)
 SURVEYED BY, DATE Woolpert, Inc. (757) 549-3549
 DESIGN BY Johnson, Mirmiran & Thompson (804) 323-9900
 SUBSURFACE UTILITY BY, DATE Woolpert, Inc. (757) 549-3549

REVISED	STATE	STATE	SHEET NO.
	ROUTE	PROJECT	
	VA.	0081-086-834.C501	5
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT			
Johnson, Mirmiran & Thompson Richmond, Virginia ROADWAY ENGINEER		Johnson, Mirmiran & Thompson Richmond, Virginia HYDRAULICS ENGINEER	

Curve (B)
 PI • 136+88.58
 DELTA • 45° 12' 46.25" (LT)
 D • 2' 37" IR
 T • 90.65'
 L • 1725.79'
 R • 2187.00'
 PC • 127+77.93
 PT • 145+03.72
 Lr • Match Existing
 V • 70 MPH
 E • Match Existing



	Denotes New Pavement
	Denotes Resurfacing
	Denotes Demolition of Pavement

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
I-81 NB Profile	5A

R. F. P. PLANS

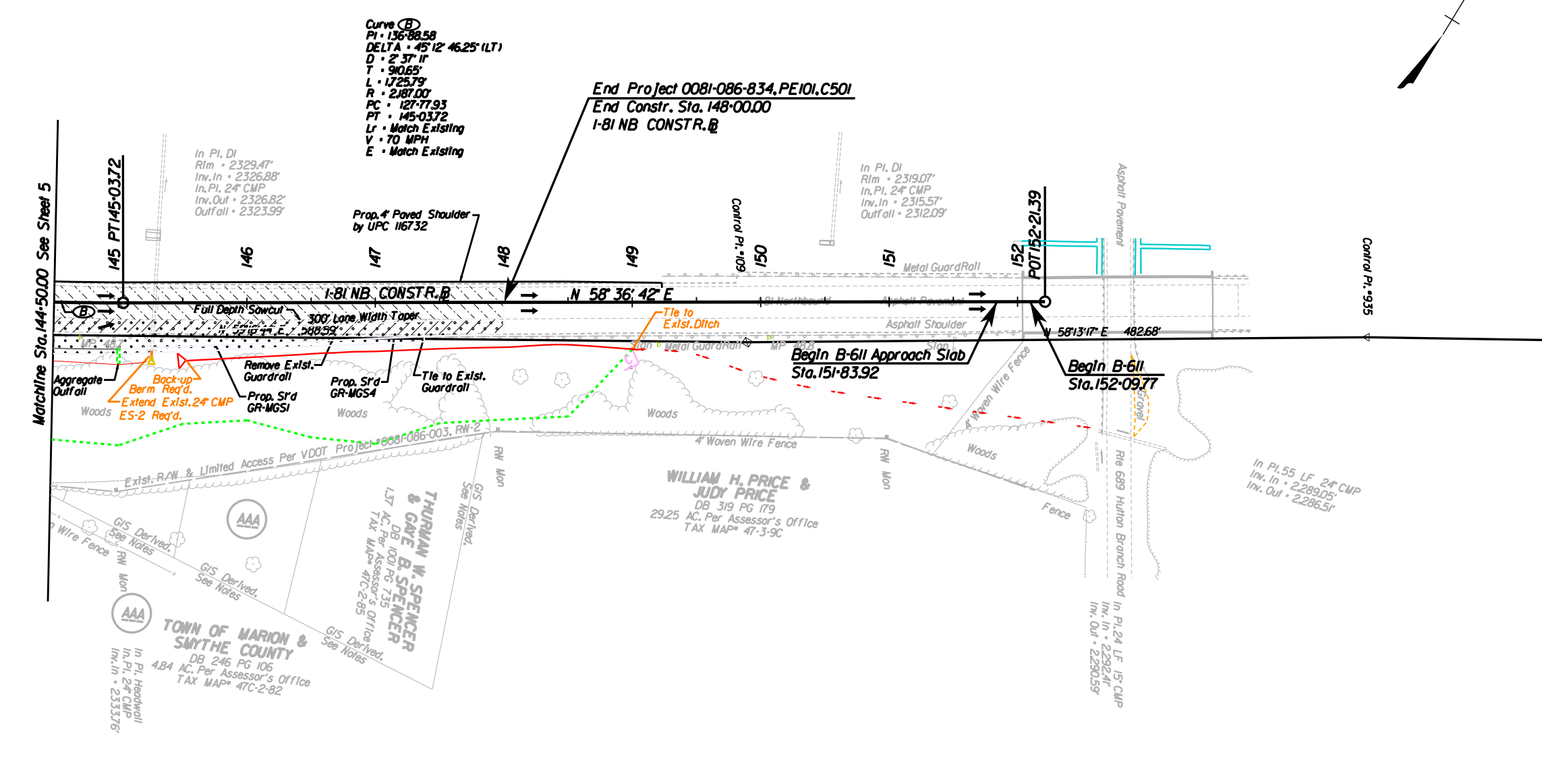
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

SCALE 0 50' 100'	PROJECT 0081-086-834	SHEET NO. 5
---------------------	-------------------------	----------------

\$TIMESTAMP\$

PROJECT MANAGER Robert Leonard (276) 696-3258 (Bristol)
 SURVEYED BY, DATE Woolpert, Inc. (757) 549-3549
 DESIGN BY Johnson, Mirmiran & Thompson (BO4) 323-9900
 SUBSURFACE UTILITY BY, DATE Woolpert, Inc. (757) 549-3549

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	81		0081-086-834, PE101, C501	6
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT					
Johnson, Mirmiran & Thompson Richmond, Virginia ROADWAY ENGINEER			Johnson, Mirmiran & Thompson Richmond, Virginia HYDRAULICS ENGINEER		



- Denotes New Pavement
- Denotes Resurfacing
- Denotes Demolition of Pavement

REFERENCES
 (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)
 I-81 NB Profile 6A

R. F. P. PLANS

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

\$ TIME \$ TAMP \$

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>863,500</u>
Construction Services (exclude QA/QC), LS	\$ <u>8,980,500</u>
Quality Assurance (QA) (Construction), LS	\$ <u>127,000</u>
Quality Control (QC) (Construction), LS	\$ <u>133,000</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): TEN MILLION ONE HUNDRED FOUR THOUSAND
5 00/100 (\$ 10,104,000)

Signature: [Signature] Date: 4/12/2021

Design-Builder: SUMMERS-TAYLOR, INC.

Vendor No.: 5117

