



Letter of Submittal and Attachments

Park and Ride Lot at I-66/Route 15 Interchange (In the Northeast Quadrant)

A DESIGN-BUILD PROJECT

Town of Haymarket and Prince William County, Virginia

State Project No.: PR15-076-236

Federal Project No.: STP-5A01(767)

Contract ID Number: C00109486DB99



Telegraph Phase I Park and Ride



Parking Lot & Access Road at
Montgomery College



Route 4 / Waysons Corner
Park and Ride Lot



VRE Brooke Station Parking Lot

A Proposal from



&



September 8, 2017

Submitted to: **Virginia Department of Transportation**

1401 E. Broad Street
Richmond, Virginia 23219

**ATTACHMENT 4.0.1.1
LETTER OF SUBMITTAL
CHECKLIST AND CONTENTS**

ATTACHMENT 4.0.1.1

Park and Ride Lot at I-66/Route 15 Interchange

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

ATTACHMENT 4.0.1.1

Park and Ride Lot at I-66/Route 15 Interchange

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	Attachment 4.2.1
Certification Regarding Debarment Forms	Attachment 4.2.2(a) Attachment 4.2.2(b)	Section 4.2.2	Attachment 4.2.2(a) and Attachment 4.2.2(b)
Offeror's VDOT prequalification information	NA	Section 4.2.3	Section 4.2.3
Evidence of obtaining bonding	NA	Section 4.2.4	Section 4.2.4
Full size copies of DPOR licenses and SCC registrations	NA	Section 4.2.5	Section 4.2.5
SCC registration information - businesses	Attachment 4.2.5	Section 4.2.5.1	Attachment 4.2.5
DPOR registration information - businesses	Attachment 4.2.5	Section 4.2.5.2	Attachment 4.2.5
Lead Contractor Work History Form	Attachment 4.2.6(a)	Section 4.2.6	Attachment 4.2.6(a)
Lead Designer Work History Form	Attachment 4.2.6(b)	Section 4.2.6	Attachment 4.2.6(b)
Conceptual Roadway Plans	NA	Section 4.2.7	3-8

ATTACHMENT 3.4
FORM C-78-RFQ

ATTACHMENT 3.4**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION**

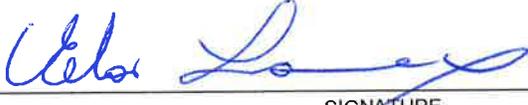
RFP NO. C00109486DB99
 PROJECT NO.: PR15-076-236, P101, R201, C501

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

1. Cover letter of RFP – July 7, 2017
(Date)
2. Cover letter of RFP Addendum No. 1 – August 8, 2017
(Date)
3. Cover letter of RFP Addendum No. 2 – August 17, 2017
(Date)

 _____ SIGNATURE	<u>9/8/17</u> _____ DATE
<u>ELOI LOURENCO</u> _____ PRINTED NAME	<u>VICE PRESIDENT</u> _____ TITLE

SECTION 4.1
LETTER OF SUBMITTAL



September 08, 2017

Ms. Sudha Mudgade, P.E., PMP
Virginia Department of Transportation
1401 East Broad Street
Annex Building, 8th Floor
Richmond, VA 23219

Re: Park & Ride Lot at I-66/Route 15 Interchange (Northeast Quadrant)
Town of Haymarket & Prince William County, Virginia
Section 4.1 Letter of Submittal

Dear Ms. Sudha Mudgade:

Tavares Concrete Company, Inc. 8000 Cinder Bed Road, Lorton, VA 22079 as the Offer, is pleased to submit this proposal for the Park & Ride Lot at I-66/Route 15 Interchange to the Virginia Department of Transportation together with A Morton Thomas and Associates, Inc. as the Prime Design Consultant.

Offer's Intent: Should VDOT choose Tavares Concrete for the award of the Park & Ride Lot at I-66/Route 15 Interchange in Prince William County, Tavares Concrete will enter into a contract with VDOT for the project in accordance with the terms of the RFP.

Declaration: In accordance with Part 1 Section 8.2 Tavares Concrete Company, Inc. proposal will remain in full force and effect for one hundred twenty (120) days after the Letter of Submittal/Price Proposal date submitted to VDOT.

Point of Contact:

Mr. Gene McGillin
Design Build Project Manager
Tavares Concrete Company, Inc.
8000 Cinder Bed Road
Lorton, VA 22079
(P) 703-550-7377
(F) 703-339-5546
gmcgillin@tavaresconcrete.com

Principal Officer:
Mr. Eloi Lourenco
Vice President
Tavares Concrete Co, Inc.
8000 Cinder Bed Road
Lorton, VA 22079
(P) 703-550-7377
(F) 703-339-5546
kbetz@tavaresconcrete.com

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

Full Legal Name of Lead Contractor: Tavares Concrete Company, Inc.

Full Legal Name of Lead Designer: A Morton Thomas & Associates, Inc.

Full Legal Name of Quality Assurance Firm: A Morton Thomas & Associates

Full Legal Name of Quality Control Firm: DMY Engineering Consultants, Inc.

Offer's VDOT Prequalification number: T131 (Active)

Attached copy of Certification

DBE Participation: Tavares Concrete Company, Inc. is a certified DBE with VDOT and is committed to achieving a sixteen percent (16%) DBE participation goal for the entire value of this project.

Interim Milestone: December 11, 2018
Final Completion Date: March 26, 2019

Sincerely,



Eloi Lourenco
Vice President
Tavares Concrete Co, Inc.

**ATTACHMENT 4.2.1
AFFILIATES AND/OR
SUBSIDIARIES**

**ATTACHMENT 4.2.2(A) &
ATTACHMENT 4.2.2(B)
DEPARTMENT FORMS**

ATTACHMENT 4.2.2(a)
CERTIFICATION REGARDING DEBARMENT
PRIMARY COVERED TRANSACTIONS

Project No.: PR15-076-236

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.

	<u>9/18/17</u>	<u>VICE PRESIDENT</u>
Signature	Date	Title

TAVARES CONCRETE CO, INC.

Name of Firm

ATTACHMENT 4.2.2(b)
CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

Project No.: PR15-076-236

- 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.



September 6, 2017

Principal

Signature

Date

Title

A. Morton Thomas and Associates, Inc.

Name of Firm

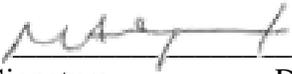
ATTACHMENT 4.2.2(b)
CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

Project No.: PR15-076-236

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

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

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

 _____ Signature	<u>8/14/17</u> Date	<u>Senior Vice President</u> Title
---	------------------------	---------------------------------------

ECS Mid-Atlantic, LLC

Name of Firm

ATTACHMENT 4.2.2(b)
CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

Project No.: PR15-076-236

- 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.

	09/06/2017	
Signature	Date	Vice President
		Title

DMY Engineering Consultants Inc.

Name of Firm

SECTION 4.2.3
VDOT PREQUALIFICATION
INFORMATION



COMMONWEALTH OF VIRGINIA



CERTIFICATE OF QUALIFICATION

TAVARES CONCRETE CO., INC.

Vendor Number: T131

In accordance with the Regulations of the Virginia Department of Transportation, your firm is hereby notified that the following Rating has been assigned to your firm:

PREQUALIFIED

Your firm specializes in the noted Classification(s):

MINOR STRUCTURES; INCIDENTAL CONCRETE;
UNDERGROUND UTILITIES; EXCAVATING; SLIP FORMING

Issue Date: October 31, 2016

This Rating and Classification will Expire: October 31, 2017

Suzanne FR Lucas, State Prequalification Officer

Don E. Silies, Director of Contracts

It is not permissible to alter this document, use after posted expiration date, or use by persons or firms other than those named on this certificate.



Virginia Department of Transportation

Date Printed: 08/23/2017

**Department's List of Prequalified Vendors
Includes All Qualified Levels As Of 8/23/2017**

12:00 AM

Page 416

- T -

Vendor ID: T131

Vendor Name: TAVARES CONCRETE CO., INC.

Prequal Level: Prequalified

Prequal Exp: 10/31/2017

-- PREQ Address --

8000 CINDER BED RD.
LORTON, VA 22079-1007
Phone: (703)550-7377
Fax: (703)339-5546

Work Classes (Listed But Not Limited To)

007 - MINOR STRUCTURES
022 - INCIDENTAL CONCRETE
045 - UNDERGROUND UTILITIES
101 - EXCAVATING
180 - SLIP FORMING

Bus. Contact: TAVARES, ARMANDO JOSE

Email: ATAVARES@TAVARESCONCRETE.COM

-- DBE Information --

DBE Type: DMBE

DBE Contact: N/A

Vendor ID: T574

Vendor Name: TAYLOR-MADE CONSTRUCTION, L.L.C.

Prequal Level: Prequalified

Prequal Exp: 10/31/2017

-- PREQ Address --

7014 MENDOTA ROAD
MENDOTA, VA 24270-0000
Phone: (276)466-4272
Fax: (276)669-4272

Work Classes (Listed But Not Limited To)

022 - INCIDENTAL CONCRETE

Bus. Contact: TAYLOR, KENNETH ERIC

Email: ILOVECONCRETE@GMAIL.COM

-- DBE Information --

DBE Type: N/A

DBE Contact: N/A

**SECTION 4.2.4
EVIDENCE OF
OBTAINING BONDING**

September 8, 2017

3975 Fair Ridge Dr., Suite 110-North Bldg.
Fairfax, VA 22033-2924
(703) 352-2222
Fax (866) 925-7123

Ms. Sudha Mudgade, P.E. PMP
Virginia Dept. of Transportation
1401 East Board Street
Annex Building 8th Floor
Richmond, VA 23219

Re: VDOT RFP A Design Build Project
Park and Ride Lot at I-66/Route 15 Interchange (In the Northeast Quadrant)
Project No.: PR15-076-236
Federal Project No.: STP-5A01(767)
Contract ID No.: C00109486DB99
Estimated Contract Value: \$4,500,000

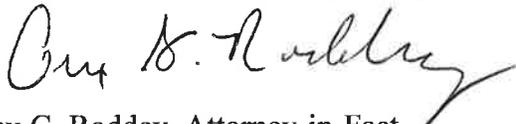
Dear Ms Mudgade,

The Travelers Casualty & Surety Company of America (AM Best Financial Strength Rating of A+ Superior and Financial Size Category XV) has had the continuing privilege of providing surety bonds for Tavares Concrete Company, Inc. since 2008. We are currently providing a bonding program to Tavares Concrete Company, Inc. of \$30,000,000 single job; \$60,000,000 aggregate.

In our opinion, Tavares Concrete Company, Inc. is one of the finest, best managed construction firms in their industry. Tavares Concrete Company, Inc. has handled each of its projects in a professional manner and completed all satisfactorily. We Hope the above demonstrates our utmost confidence in Tavares Concrete Company, Inc.

As surety for the above named contractor, Tavares Concrete Company, Inc. is capable of obtaining 100% Performance Bond and 100% Labor and Materials Payment Bond in the amount of the anticipated cost of construction, and said bonds will cover the Project and any warranty periods as provided for the Contract Documents on behalf of the Contractor, in the event that such firm be the successful bidder and enter into a contract for this project.

Sincerely,
Travelers Casualty and Surety Company of America



Alex G. Roddey, Attorney-in-Fact
703-934-5239

**ATTACHMENT 4.2.5
SCC & DPOR
INFORMATION**

ATTACHMENT 4.2.5

State Project No. PR15-076-236

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
Tavares Concrete Co. Inc.	0229375-1	Corporation	Active	8000 Cinder Bed Rd Lorton, VA 22079	Class A Contractor	2701025978	03-31-2019
A. Morton Thomas and Associates, Inc.	F049431-2	Corporation	Active	14555 Avion Parkway, Suite 350 Chantilly, VA 20151	ENG, LS	0411000586	02-28-2018
ECS Mid-Atlantic, LLC	S120821-6	LLC	Active	9409 Innovation Drive Manassas, VA 20110	ENG	0411000636	02-28-2018
DMY Engineering Consultants, Inc.	0768895-5	Corporation	Active	45662 Terminal Drive, Suite 110 Dulles, VA 20166	ENG	0407005631	12-31-2017

SECTION 4.2.5
SCC & DPOR
FULL SIZE COPIES

Alert to corporations regarding unsolicited mailings from VIRGINIA COUNCIL CORPORATIONS is available from the Bulletin Archive link of the Clerk's Office w

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Commonwealth of Virginia
State Corporation Commission

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CISM0180

CORPORATE DATA INQUIRY

09/06/17

16:55:50

CORP ID: 0229375 - 1 STATUS: 00 ACTIVE STATUS DATE: 05/19/98
CORP NAME: TAVARES CONCRETE CO., INC.

DATE OF CERTIFICATE: 04/29/1982 PERIOD OF DURATION: INDUSTRY CODE: 00
STATE OF INCORPORATION: VA VIRGINIA STOCK INDICATOR: S STOCK
MERGER IND: S SURVIVOR CONVERSION/DOMESTICATION IND:
GOOD STANDING IND: Y MONITOR INDICATOR:
CHARTER FEE: 30.00 MON NO: MON STATUS: MONITOR DTE:
R/A NAME: ARMANDO J TAVARES

STREET: 8000 CINDER BED ROAD

AR RTN MAIL:

CITY: LORTON STATE : VA ZIP: 22079-1007
R/A STATUS: 2 OFFICER EFF. DATE: 03/09/05 LOC : 129
ACCEPTED AR#: 217 04 2917 DATE: 02/24/17 FAIRFAX COUNTY
CURRENT AR#: 217 04 2917 DATE: 02/24/17 STATUS: A ASSESSMENT INDICATOR: 0
YEAR FEES PENALTY INTEREST TAXES BALANCE TOTAL SHARES
17 100.00 2,000

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Commonwealth of Virginia
State Corporation Commission

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CORPORATE DATA INQUIRY

09/06/17

16:56:53

CORP ID: F049431 - 2 STATUS: 00 ACTIVE STATUS DATE: 12/15/09
CORP NAME: A. MORTON THOMAS & ASSOCIATES, INC.

DATE OF CERTIFICATE: 11/26/1997 PERIOD OF DURATION: INDUSTRY CODE: 00
STATE OF INCORPORATION: MD MARYLAND STOCK INDICATOR: S STOCK
MERGER IND: CONVERSION/DOMESTICATION IND:
GOOD STANDING IND: Y MONITOR INDICATOR:
CHARTER FEE: 2000.00 MON NO: MON STATUS: MONITOR DTE:
R/A NAME: COGENCY GLOBAL INC.

STREET: 250 BROWNS HILL COURT

AR RTN MAIL:

CITY: MIDLOTHIAN STATE : VA ZIP: 23114-0000
R/A STATUS: 5 B.E. AUTH IN VI EFF. DATE: 05/02/17 LOC : 120
ACCEPTED AR#: 216 16 0323 DATE: 10/27/16 CHESTERFIELD CO
CURRENT AR#: 216 16 0323 DATE: 10/27/16 STATUS: A ASSESSMENT INDICATOR: 0
YEAR FEES PENALTY INTEREST TAXES BALANCE TOTAL SHARES
17 400.00 400.00 52,000

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09/06/17

LLCM3220

LLC DATA INQUIRY

16:58:28

LLC ID: S120821 - 6 STATUS: 00 ACTIVE STATUS DATE: 04/16/04
 LLC NAME: ECS - Mid-Atlantic, LLC

DATE OF FILING: 04/16/2004 PERIOD OF DURATION: INDUSTRY CODE: 00

STATE OF FILING: VA VIRGINIA MERGER INDICATOR:

CONVERSION/DOMESTICATION INDICATOR:

P R I N C I P A L O F F I C E A D D R E S S

STREET: 14026 THUNDERBOLT PL STE 100

CITY: CHANTILLY STATE: VA ZIP: 20151-0000

R E G I S T E R E D A G E N T I N F O R M A T I O N

R/A NAME: JAMES A ECKERT

STREET: 14026 THUNDERBOLT PL STE 100

RTN MAIL:

CITY: CHANTILLY STATE: VA ZIP: 20151-0000

R/A STATUS: 2 O/D OF CORP M/M EFF DATE: 04/16/04 LOC: 129 FAIRFAX COUNTY

YEAR FEES PENALTY INTEREST BALANCE

17 50.00

(Screen Id:/LLC_Data_Inquiry)

Alert to corporations regarding unsolicited mailings from VIRGINIA COUNCIL CORPORATIONS is available from the Bulletin Archive link of the Clerk's Office w

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Commonwealth of Virginia
State Corporation Commission

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CISM0180

CORPORATE DATA INQUIRY

09/06/17

16:57:42

CORP ID: 0768895 - 5 STATUS: 00 ACTIVE STATUS DATE: 10/23/14
CORP NAME: DMY ENGINEERING CONSULTANTS INC.

DATE OF CERTIFICATE: 09/06/2013 PERIOD OF DURATION: INDUSTRY CODE: 00
STATE OF INCORPORATION: VA VIRGINIA STOCK INDICATOR: S STOCK
MERGER IND: CONVERSION/DOMESTICATION IND: Y
GOOD STANDING IND: Y MONITOR INDICATOR:
CHARTER FEE: 50.00 MON NO: MON STATUS: MONITOR DTE:
R/A NAME: WEIYI MA

STREET: 45662 TERMINAL DRIVE AR RTN MAIL:
SUITE 110
CITY: DULLES STATE : VA ZIP: 20166-0000
R/A STATUS: 1 DIRECTOR EFF. DATE: 09/06/13 LOC : 153
ACCEPTED AR#: 217 11 8459 DATE: 07/27/17 LOUDOUN COUNTY
CURRENT AR#: 217 11 8459 DATE: 07/27/17 STATUS: A ASSESSMENT INDICATOR: 0
YEAR FEES PENALTY INTEREST TAXES BALANCE TOTAL SHARES
17 130.00 10,000

(Screen Id:/Corp_Data_Inquiry)

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

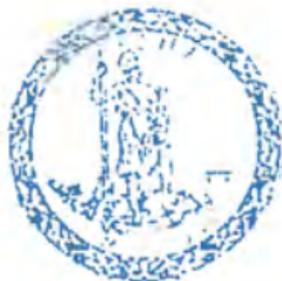
EXPIRES ON

03-31-2019

NUMBER

2701025978

BOARD FOR CONTRACTORS
CLASS A CONTRACTOR
CLASSIFICATIONS H/H



TAVARES CONCRETE CO INC
8000 CINDER BED ROAD
LORTON, VA 22079



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

July W. DeBoer
July W. DeBoer, Director

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

02-28-2018

NUMBER

0411000586

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

PROFESSIONS: LS, ENG



A MORTON THOMAS AND ASSOCIATES INC
1455 AVION PKWY STE 150
CHANTILLY, VA 20151



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

Jay W. DeBoer
Jay W. DeBoer, Director

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

02-28-2018

NUMBER

0411000636

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

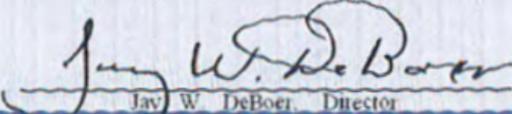
PROFESSIONS: ENG



ECS MID-ATLANTIC, LLC
9409 INNOVATION DR
MANASSAS, VA 20110



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


Jay W. DeBoer, Director

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

12-31-2017

NUMBER

0407005631

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

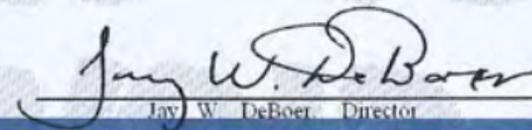
PROFESSIONS: ENG



DMY ENGINEERING CONSULTANTS INC
45662 TERMINAL DRIVE
SUITE 110
DULLES, VA 20166



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


Jay W. DeBoer, Director

**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: VRE Park and Rides, Leeland & Brooke Station Location: Stafford County, VA	Name: AECOM	Name of Client/ Owner: Virginia Railway Express Phone: 703-684-1001 Project Manager: Kip Foster Phone: 703-400-2038 Email: kfoster@vre.org	10/2012	10/2012	\$2,138	\$2,542 (Owner Directed)	Responsible for: \$2,542 Self-Performed: \$1,238

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.

<p><u>SIMILARITIES TO I-66 Park & Ride</u></p> <ul style="list-style-type: none"> ✓ <i>New Parking Lot</i> ✓ <i>New Access/Entrance</i> ✓ <i>Bus Loop</i> ✓ <i>Bus Shelters</i> ✓ <i>VDOT Standards/Specs</i> ✓ <i>ADA Features/Compliance</i> ✓ <i>Tree Clearing</i> ✓ <i>Earthwork</i> ✓ <i>Unsuitable Materials Encountered</i> ✓ <i>Asphalt Paving</i> ✓ <i>Concrete Paving/Curbing/Sidewalk</i> ✓ <i>Signage and Pavement Markings</i> ✓ <i>Lighting</i> ✓ <i>Drainage and Stormwater</i> ✓ <i>Environmental Controls (Erosion & Sediment Control)</i> ✓ <i>Utility Coordination</i> 	<p><u>SUMMARY OF IMPROVEMENTS</u></p> <ul style="list-style-type: none"> • Construction of two new Commuter Park and Ride facilities for Virginia Railway Express • Construction of new bus loop • Construction of New Entrance/Access Roads <p><u>PROJECT NARRATIVE:</u></p> <p>Tavares Construction Company, Inc. constructed two new parking lot additions for VRE for a total of 244 parking spaces. The parking lots were both part of a single Contract for VRE.</p> <p>The hot mix asphalt parking lots and access roads were built to VDOT specifications and included curb and gutter, adjacent concrete sidewalks, concrete bus loop, striping, signage, and raised islands. The project efforts also included but were not limited to tree clearing, major excavation, drainage facilities, site lighting and bus shelters.</p> <p>Coordination with NOVEC was required for the relocation of their overhead electrical lines. Stormwater Management was achieved through us of underground 72" diameter pipe BMP's.</p> <p><u>TAVARES ROLE:</u></p> <p>Tavares served as the Prime Contractor for this project. Both park and ride lots were included in a single contract.</p>	<p>The increased cost for the project was due to unforeseen unsuitable material removal, additional excavation quantities, and an owner directed change order to Mill, Pave, Stripe, and re-sign the existing parking lots</p> <p><u>VERIFIABLE EVIDENCE OF GOOD PERFORMANCE:</u></p> <ul style="list-style-type: none"> • Project completed on schedule
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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: Telegraph Road Commuter Parking Lot Location: Woodbridge, VA	Name: JMT	Name of Client/ Owner: Prince William County Department of Transportation Phone: 703-792-6000 Project Manager: Mohammed Ayyoubi Phone: 703-792-7193 Email: mayyoubi@pwcgov.org	08/2012	07/2012	\$2,448	\$2,372	Responsible for: \$2,372 Self-Performed: \$1,628

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.

<p><u>SIMILARITIES TO I-66 Park & Ride</u></p> <ul style="list-style-type: none"> ✓ <i>New Parking Lot</i> ✓ <i>New Access/Entrance</i> ✓ <i>Bus Loop</i> ✓ <i>Bus Shelters</i> ✓ <i>VDOT Standards/Specs</i> ✓ <i>ADA Features/Compliance</i> ✓ <i>Tree Clearing</i> ✓ <i>Earthwork</i> ✓ <i>Unsuitable Materials Encountered</i> ✓ <i>Asphalt Paving</i> ✓ <i>Concrete Paving/Curbing/Sidewalk</i> ✓ <i>Signage and Pavement Markings</i> ✓ <i>Lighting</i> ✓ <i>Drainage and Stormwater</i> ✓ <i>Environmental Controls (Erosion & Sediment Control)</i> ✓ <i>Utility Coordination</i> ✓ <i>Northern Virginia</i> 	<p><u>SUMMARY OF IMPROVEMENTS</u></p> <ul style="list-style-type: none"> • Construction of new 550 space park and ride facility • Construction of new bus loop • Construction of New Entrance/Access Road <p><u>PROJECT NARRATIVE:</u> Tavares Construction Company, Inc. constructed a new 550 space park and ride facility in Prince William County, Virginia. The hot mix asphalt parking lot was built to VDOT specifications and included striping, signage, adjacent concrete sidewalks, new concrete bus loop, and special brick paving for raised islands and the bus transfer area. The project efforts also included but were not limited to tree clearing, the import of borrow excavation, drainage facilities, site lighting and bus shelters. Coordination with NOVEC was required for the relocation of their overhead electrical lines.</p> <p><u>TAVARES ROLE:</u> Tavares served as the Prime Contractor for this project.</p>	<p><u>VERIFIABLE EVIDENCE OF GOOD PERFORMANCE:</u></p> <ul style="list-style-type: none"> • Project completed ahead of schedule • Project completed under budget • Tavares received a "Certificate of Recognition for Construction Excellence" for the services provided from Prince William County.
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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: Telegraph Phase II – Telegraph Road & Caton Hill Location: Woodbridge, VA	Name: JMT	Name of Client/ Owner: Prince William County Department of Transportation Phone: 703-792-6000 Project Manager: Mohammed Ayyoubi Phone: 703-792-7193 Email: mayyoubi@pwcgov.org	05/2014	06/2014 (Utility Delay)	\$5,393	\$5,500 (Owner Directed Additions)	Responsible for: \$5,500 Self-Performed: \$3,500

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.

<p><u>SIMILARITIES TO I-66 Park & Ride</u></p> <ul style="list-style-type: none"> ✓ Roadway ✓ VDOT Standards/Specs ✓ ADA Features/Compliance ✓ Tree Clearing ✓ Earthwork ✓ Unsuitable Materials Encountered ✓ Asphalt Paving ✓ Concrete Paving/Curbing/Sidewalk ✓ Signage and Pavement Markings ✓ Intersection Lighting ✓ Drainage and Stormwater ✓ Environmental Controls (Erosion & Sediment Control) ✓ Utility Coordination ✓ Northern Virginia 	<p><u>SUMMARY OF IMPROVEMENTS</u></p> <ul style="list-style-type: none"> • Total Reconstruction and widening of 1mile of Telegraph Road, from 2 lanes to 4 lane divided highway • Signalized Intersection Improvements, including new turn lanes • Utility Relocations <p><u>PROJECT NARRATIVE:</u></p> <p>Tavares Construction Company, Inc. constructed a mile of highway widening, intersection improvements, and related construction in Prince William County, Virginia. The roadway was built to VDOT standards specifications and included striping, signage, curb and gutter, concrete medians, and adjacent concrete sidewalks with ADA crossings. The project efforts also included but were not limited to the tree clearing, the major excavation and borrow, new storm drainage facilities and SWM, and relocation of water and sewer lines. Coordination with NOVEC was required for the relocation of their overhead electrical lines.</p> <p>Detailed Maintenance of Traffic was required for this project including 4 phases to maintain two travels at all times, other than allowable lane closures during non-peak hours.</p> 	<p>Two new signals were constructed, and temporary traffic signals were also installed for the MOT phasing.</p> <p>The Telegraph Road Phase 2 project finished one month later than original completion due to the utility pole relocation being delayed by NOVEC. The increased cost was due to utility relocations for a water line and a sanitary sewer being added to the scope, as well the addition of a 600 LF turn lane to the contract.</p> <p><u>TAVARES ROLE:</u></p> <p>Tavares served as the Prime Contractor for this project.</p> <p><u>VERIFIABLE EVIDENCE OF GOOD PERFORMANCE:</u></p> <ul style="list-style-type: none"> • Project completed only 4 weeks past original schedule despite significant overhead utility line relocation delays by NOVEC 
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ATTACHMENT 4.2.6(B)
LEAD DESIGNER
WORK HISTORY FORMS



ATTACHMENT 3.4.1(b)

LEAD DESIGNER - WORK HISTORY FORM

(LIMIT 1 PAGE PER PROJECT)

a. Project Name & Location	b. Name of the prime/ general 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)
					Original Contract Value	Final or Estimated Contract Value	
Name: VDOT Chantilly Area Headquarters Parking Lot & Access Road Design-Build Location: Chantilly, VA	Name: W. M. Schlosser Company, Inc.	Name of Client: Virginia Department of Transportation Phone: 800-367-7623 Project Manager: Timothy Crooks Phone: 804-371-6728 Email: Tim.Crooks@VDOT.Virginia.gov	10/2008	11/2009	\$4,400	\$4,400	\$618

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

SIMILARITIES TO I-66 / ROUTE 15 INTERCHANGE PARK AND RIDE LOT

- ✓ *Parking Lot*
- ✓ *VDOT Design-Build*
- ✓ *Civil/Site Design*
- ✓ *Road Extension for Site Access / Site Access Plans*
- ✓ *Creative SWM to Minimize Property Impacts to Cub Run*
- ✓ *Lighting Design*
- ✓ *Signage and Pavement Markings*
- ✓ *Utility Relocations/Coordination*

PROJECT NARRATIVE

AMT provided civil engineering, surveying and environmental services for the Chantilly/Clifton Area Headquarters, a 19-acre site which includes parking lots, utilities, landscaping, lighting, and an administration building, combination building, salt spreader storage racks, tailgate racks, two salt storage buildings, two liquid chemical storage tanks, and a fueling station.

The extension of Murdock Street for site access, including all public and private utilities, was also required for this project including R/W and easement acquisition and construction of an adequate outfall to Cub Run in a drainage easement.

AMT collaborated with the design/build contractor and the VDOT Central Office as well as NoVA District to develop a cost effective and practical solutions for these fast tracked design build projects. The project included two separate sites where detailed offset scheduling was developed to allow the projects to proceed simultaneously without hindering the design and client review time frames for each respective project.



PROJECT SCOPE

- **Parking Lot Design** – AMT prepared geometric design of parking stalls and circulation patterns between parking lot and access road to include the parking lot grading, storm drainage systems, paving details, and entrances. AMT helped coordinate geotechnical investigations for the pavement design, and secured environmental permits as required.
- **"Utility" Design Submissions** – The project required the extension of utility mains and services for public and private utilities, coordinated by AMT and including design approvals, meetings with utility companies and other needs. For the Murdock Street Extension, the utilities were all extended to and from the site, in existing rights of way, or easements through close coordination with the utility companies and property owners during design and construction.
- **Stormwater Management** – The site layout utilized residual property to develop extended detention basins for stormwater management compliance. In addition, salt containment facilities were developed as pre-treatment and a water quality swale was designed for outfall improvements to Cub Run.
- **Landscape Design** – Provided landscape plans for the parking lot and site to include screening along Murdock Street Extension and aquatic vegetation for the stormwater management ponds. The design was prepared to address environmental site design requirements while providing desirable aesthetics with low maintenance requirements.
- **Environmental Impact Minimization** – Performed wetland (WoUS) delineations including field investigation to then minimize impacts by limiting development to non-environmentally sensitive areas.

AMT'S ROLE

AMT provided VDOT the lead civil engineer, responsible for management and oversight of all aspects of the site design including civil engineering, parking lot design, drainage systems, stormwater management, erosion and sediment control, public and private utilities, traffic signage and lighting design, landscape design and environmental permitting. Office locations where the work was performed by AMT included the Chantilly and Richmond offices, working together, as a subconsultant to WM Schlosser (General Contractor) and Wisnewski Blair Architects (Building Design Team).



VERIFIABLE EVIDENCE OF GOOD PERFORMANCE:

- Designed and built for VDOT within the framework of the fixed time, fixed cost agreement for design-build with low change orders.
- Additional services to develop a County-mandated roadway extension for the paved road on Murdock Street, handled within less than 12 months for design and construction.
- The facility is one of the largest and most advanced in the VDOT system, including the environmental controls for the salt spreading operations.
- As part of the same design-build team, AMT also provided civil engineering, surveying and environmental services for the NOVA Traffic Field Operations facility, a 6-acre site that includes parking lots, utilities, landscaping, lighting and a mixed-use building with offices, electronics shop, equipment storage and maintenance bays.



Murdock Street Extension for Site Access

ATTACHMENT 3.4.1(b)

LEAD DESIGNER - WORK HISTORY FORM

(LIMIT 1 PAGE PER PROJECT)



a. Project Name & Location	b. Name of the prime/ general 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)
					Original Contract Value	Final or Estimated Contract Value	
Name: Route 4 / Waysons Corner Park and Ride Lot Location: Anne Arundel County, MD	Name: Concrete General	Name of Client: Maryland State Highway Administration Phone: 410-545-0300 Project Manager: Huqin (Aimee) Zhang Phone: 410-545-8006 Email: hzhang@sha.state.md.us	03/2014	08/2014 (several months ahead of schedule)	\$867	\$867	\$159

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

SIMILARITIES TO I-66 PARK & RIDE

- ✓ *Park and Ride Lot*
- ✓ *State DOT Project*
- ✓ *State Route Adjacent*
- ✓ *Civil/Site Design*
- ✓ *Site Access*
- ✓ *Creative SWM to Minimize Property Impacts*
- ✓ *Lighting*
- ✓ *Signage and Pavement Markings*
- ✓ *Utility Relocation/Coordination*

PROJECT NARRATIVE

AMT provided schematic design/concept alternatives and final design services for the expansion of an existing commuter parking lot. The project, completed months ahead of schedule, resulted in a 147-space lot using environmentally-friendly "pervious" (porous) concrete materials. Beneath the pervious material water can seep slowly into the ground and filter naturally. This reduces nitrogen and phosphorous that enter the Chesapeake Bay through tributaries. The expanded lot also features new energy-efficient LED lighting and bioswales for additional stormwater filtering.



Site Aerial with Parking Spaces Concept

PROJECT SCOPE

- **Alternatives Analysis** – Several alternatives were developed to avoid impacts to an existing stormwater pond while achieving the goal number of parking spaces. Alternatives considered operability, pavement materials (including porous pavement option) to achieve a "green" practice, impacts to environmental resources including trees, stormwater management BMP options, and cost.
- **Parking Lot Design** – Prepared geometric design of parking stalls and circulation, grading, storm drainage, retaining walls, bus shelter layout, paving details, and entrance modifications. Prepared a request for geotechnical soil boring exploration. Incorporated existing utilities and other site features into the design solution.
- **Maintenance of Bus Services** – Relocated bus loading area during construction of a portion of the lot. Evaluated service options with SHA District 5 Traffic.
- **Interim "Utility" Design Submission** – An interim design submission was provided to affected utility companies to identify possible impacts and propose relocation alternatives before further stormwater management or geometric design.
- **Stormwater Management** – Mitigated impacts to existing stormwater facility with proposed design options. Performed concept analysis for stormwater management to provide three options for client's consideration, including use of permeable pavement (porous concrete) for parking stalls. Provided remediation design for a portion of existing stormwater management facility which was in disrepair. Waysons Corner Park and Ride Expansion is considered a "permeable pavement" pilot project for SHA.

- **Environmental Impact Minimization** – Performed forest stand delineation including field investigation of the study area to characterize the existing forest resources. Prepared Environmental Features Map to include steep slopes, floodplain, historic resources, soils, and wetlands. AMT also completed a Forest Conservation Application for submission to the Department of Natural Resources (DNR).
- **Landscape Design** – Provided landscape plan for parking lot and proposed stormwater management pond. Design was prepared to address environmental site design requirements while providing desirable aesthetics with little maintenance requirements.
- **Porous Pavement Maintenance Plan** – Proposed a maintenance plan for SHA's maintenance of the porous pavement. Required coordination with SHA Facilities and Maintenance offices.

AMT'S ROLE

AMT was the lead designer responsible for management and oversight of all aspects of engineering design including civil/site design, modified parking lot circulation, drainage, stormwater management, erosion and sediment control, phasing/traffic control, modified parking lot striping/signage, and utilities).

VERIFIABLE EVIDENCE OF GOOD PERFORMANCE:

- The Waysons Corner Park and Ride won a 2015 "Excellence in Concrete" Award from the Maryland Chapter of the American Concrete Institute for Pervious Pavements
- Project constructed ahead of schedule which speaks to the quality of the design and contract documents





ATTACHMENT 3.4.1(b)

LEAD DESIGNER - WORK HISTORY FORM

(LIMIT 1 PAGE PER PROJECT)

a. Project Name & Location	b. Name of the prime/general 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)
					Original Contract Value	Final or Estimated Contract Value	
Name: Parking Lot and Access Road at Montgomery College Location: Germantown, MD	Name: Kinsley Construction (Parking, Observation Drive)	Name of Client: Montgomery College Phone: 240-567-7356 Project Manager: Sandra Filippi Phone: 240-567-7362 Email: Sandra.Filippi@montgomerycollege.edu	03/2012	09/2014	\$5,300	\$5,300	\$1,285

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

SIMILARITIES TO I-66 P&R Project

- ✓ *New Parking Lot*
- ✓ *New Access Road*
- ✓ *ADA Features/Compliance*
- ✓ *Site Layout & Circulation*
- ✓ *Site Access*
- ✓ *Traffic Analysis*
- ✓ *Environmental Analysis*
- ✓ *Creative SWM to Minimize Property Impacts*
- ✓ *Lighting*
- ✓ *Signage and Pavement Markings*
- ✓ *Landscape Architecture*
- ✓ *Utility Coordination/Design*

PROJECT NARRATIVE

A new surface parking lot and access roads were constructed on the Germantown, MD campus of Montgomery College to coincide with the construction of a new 127,000-GSF classroom building, an overall \$74 million project. The parking lot and roadways provided much needed parking, circulation and accessibility relief to a growing and congested campus. The project included the final extension/connection of the on-campus "loop road" (2,000 LF) as well as a new public access road (Observation Drive – 2,500 LF) connecting the campus to the south with Middlebrook Road, a major arterial roadway connecting to both I-270 and MD-355.



The project involved coordination between the design team and owner with local government agencies, the adjacent development of Holy Cross Hospital and most importantly the community.

AMT'S ROLE

AMT was the lead firm responsible for management and oversight of all aspects of engineering design and permitting. This work was all performed out of AMT's Rockville office.

AMT conducted field topographic surveys and utility location of the 60+ acre site and lead the design of nearly 5,000 LF of access roadway, a 350-space surface parking lot, several thousand feet of underground storm, more than forty LID stormwater management BMP facilities, and a 2-acre regional stormwater management detention pond.

AMT lead permitting efforts for soil erosion and sediment control, stormwater management, traffic control, signage and marking. Right-of-way plats were developed. AMT also worked closely with the owner in coordinating and phasing the project to meet the needs of the simultaneous construction of Holy Cross Germantown Hospital, constructed on College property and accessed via the new access road (Observation Drive).

AMT provide construction phase services, working closely with the contractor to review product submittals and shop drawings, respond to requests for information, prepare change order plans and sketches, perform regular inspections of stormwater management facility construction, and prepare as-built documents.

PROJECT SCOPE

- **New Parking Lot** – Prepared geometric design of parking stalls and circulation, grading, storm drainage, paving details, stairs and walks, and vehicular entrance.



- **ADA** – Designed parking lot to incorporate accessible parking spaces as required by ADA as well as providing accessible path of pedestrian travel to all buildings on campus from parking lot. **Traffic Analysis** – A traffic analysis was completed at the intersection of Observation Drive and Middlebrook Road.
- **Environmental Analysis** – Performed forest stand delineation including field investigation of the study area to characterize the existing forest resources. Prepared Environmental Features Map to include steep slopes, floodplain, historic resources, soils, and wetlands.
- **Site Access/Site Layout and Circulation** – The project was designed to allow easy pedestrian and vehicular access to the new parking lot from both the north side of campus (Germantown Road – MD Route 118) and the south side (Middlebrook Road). While the parking lot has just one entrance the new roadways provide for multiple routes of travel to leave campus and access major roadways such as I-270 or MD route 355.
- **Creative SWM to Minimize Property Impacts** – The parking lot was designed with more than two dozen microbioretention facilities located within the islands running through the lot. These facilities function in series and are connected throughout the islands. Stormwater runoff from the roadways is directed to surface sand filters throughout the site. Finally, a 2-acre stormwater management detention pond was provided at the far downstream end of the property, designed to accommodate all current development – including roadways – as well as foreseen master planned expansion of Montgomery College.
- **Lighting** – Site lighting was provided in the parking lot and along all access roads.
- **Signage and Pavement Markings** – Signage and pavement markings were provided within the parking lot and per ADA regulations. Access road signage and pavement markings were provided in accordance with MUTCD.
- **Utility Coordination/Design** – A water transmission main and easement were relocated from the center of the new parking lot to an area to the south designated for a future County road. The relocated line was designed with the future road alignment in mind to minimize future impacts to the main.
- **Landscape Architecture** – Provided landscape plan for street trees along access road and the stormwater management pond. Design was prepared to address environmental site design requirements while providing desirable aesthetics with little maintenance requirements.



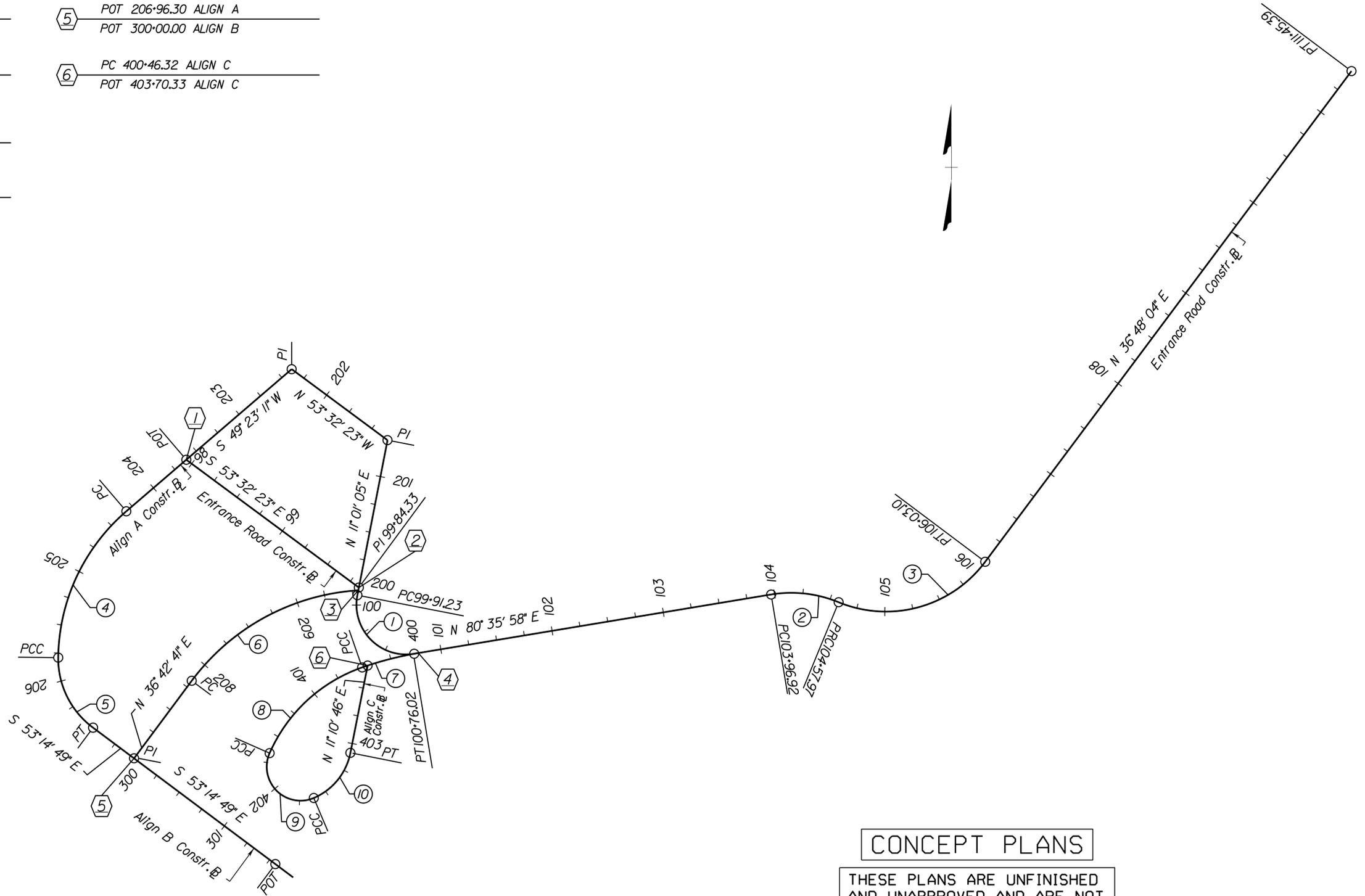
VERIFIABLE EVIDENCE OF GOOD PERFORMANCE:

- Multiple project milestones completed ahead of schedule in order to meet schedules of the owner and stakeholders.
- Positive feedback from users upon project completion.

SECTION 4.2.7
CONCEPTUAL PARK AND RIDE
LOT AND ACCESS ROAD PLANS

CONSTRUCTION ALIGNMENT DATA SHEET

- | | |
|---|--|
| ① POT 97-94.05 ENTRANCE ROAD
POT 203-61.65 ALIGN A | ⑤ POT 206-96.30 ALIGN A
POT 300-00.00 ALIGN B |
| ② POT 99-84.33 ENTRANCE ROAD
POT 200-00.00 ALIGN A | ⑥ PC 400-46.32 ALIGN C
POT 403-70.33 ALIGN C |
| ③ POT 99-86.84 ENTRANCE ROAD
PC 209-55.32 ALIGN A | |
| ④ POT 104-79.72 ENTRANCE ROAD
PC 400-00.00 ALIGN C | |



CONCEPT 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.



CONSTRUCTION ALIGNMENT DATA SHEET

CONSTRUCTION BASELINE ENTRANCE ROAD

CONSTRUCTION BASELINE ALIGN A

CONSTRUCTION BASELINE ALIGN C

Beginning chain ENTRANCEBL description

Point ER01	N	6,982,900.43 E	11,729,374.16 Sta	97+94.03
Course from ER01 to ER02 S 53° 32' 22.63" E Dist 190.30				
Point ER02	N	6,982,787.34 E	11,729,527.21 Sta	99+84.33
Course from ER02 to PC ENTRANCEBL1 S 11° 01' 04.93" W Dist 6.89				

Curve Data

Curve ENTRANCEBL1				
P.I. Station	=	100+54.56 N	6,982,718.42 E	11,729,513.79
Delta	=	110° 25' 07.07" (LT)		
Degree	=	130° 13' 03.65"		
Tangent	=	63.33		
Length	=	84.80		
Radius	=	44.00		
External	=	33.11		
Long Chord	=	72.27		
Mid. Ord.	=	18.89		
P.C. Station	=	99+91.23 N	6,982,780.58 E	11,729,525.90
P.T. Station	=	100+76.02 N	6,982,728.76 E	11,729,576.27
C.C.	=	N	6,982,772.17 E	11,729,569.09
Back	=	S 11° 01' 04.91" W		
Ahead	=	N 80° 35' 57.84" E		
Chord Bear	=	S 44° 11' 28.62" E		

Course from PT ENTRANCEBL1 to PC ENTRANCEBL2 N 80° 35' 57.84" E Dist 320.90

Curve Data

Curve ENTRANCEBL2				
P.I. Station	=	104+28.25 N	6,982,786.29 E	11,729,923.77
Delta	=	31° 47' 56.05" (RT)		
Degree	=	52° 05' 13.46"		
Tangent	=	31.33		
Length	=	61.05		
Radius	=	110.00		
External	=	4.38		
Long Chord	=	60.27		
Mid. Ord.	=	4.21		
P.C. Station	=	103+96.92 N	6,982,781.17 E	11,729,892.86
P.T. Station	=	104+57.97 N	6,982,774.35 E	11,729,952.74
C.C.	=	N	6,982,672.65 E	11,729,910.83
Back	=	N 80° 35' 57.84" E		
Ahead	=	S 67° 36' 06.11" E		
Chord Bear	=	S 83° 30' 04.13" E		

Course from PT ENTRANCEBL2 to PC ENTRANCEBL3 S 67° 36' 06.11" E Dist 107.07

Curve Data

Curve ENTRANCEBL3				
P.I. Station	=	105+43.29 N	6,982,741.84 E	11,730,031.63
Delta	=	75° 35' 49.43" (LT)		
Degree	=	52° 05' 13.46"		
Tangent	=	85.32		
Length	=	145.14		
Radius	=	110.00		
External	=	29.21		
Long Chord	=	134.84		
Mid. Ord.	=	23.08		
P.C. Station	=	104+57.97 N	6,982,774.35 E	11,729,952.74
P.T. Station	=	106+03.10 N	6,982,810.16 E	11,730,082.74
C.C.	=	N	6,982,876.05 E	11,729,994.66
Back	=	S 67° 36' 06.11" E		
Ahead	=	N 36° 48' 04.46" E		
Chord Bear	=	N 74° 35' 59.18" E		

Course from PT ENTRANCEBL3 to ER03 N 36° 48' 04.46" E Dist 542.29

Point ER03	N	6,983,244.38 E	11,730,407.59 Sta	111+45.39
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Ending chain ENTRANCEBL description

CONSTRUCTION BASELINE ALIGN B

Beginning chain ALIGN_B description

Point B03	N	6,982,636.21 E	11,729,327.82 Sta	300+00.00
Course from B03 to B04 S 53° 14' 48.87" E Dist 156.41				
Point B04	N	6,982,542.62 E	11,729,453.14 Sta	301+56.41

Ending chain ALIGN_B description

Beginning chain ALIGN_A description

Point A01	N	6,982,787.34 E	11,729,527.21 Sta	200+00.00
Course from A01 to A02 N 11° 01' 04.94" E Dist 132.89				
Point A02	N	6,982,917.78 E	11,729,552.61 Sta	201+32.89
Course from A02 to A03 N 53° 32' 22.63" W Dist 105.67				
Point A03	N	6,982,980.58 E	11,729,467.62 Sta	202+38.56
Course from A03 to PC ALIGN_A1 S 49° 23' 11.10" W Dist 193.20				

Curve Data

Curve ALIGN_A1				
P.I. Station	=	205+10.20 N	6,982,803.76 E	11,729,261.42
Delta	=	48° 46' 47.72" (LT)		
Degree	=	33° 07' 08.21"		
Tangent	=	78.44		
Length	=	147.29		
Radius	=	173.00		
External	=	16.95		
Long Chord	=	142.88		
Mid. Ord.	=	15.44		
P.C. Station	=	204+31.76 N	6,982,854.82 E	11,729,320.96
P.T. Station	=	205+79.05 N	6,982,725.32 E	11,729,260.59
C.C.	=	N	6,982,723.49 E	11,729,433.58
Back	=	S 49° 23' 11.10" W		
Ahead	=	S 0° 36' 23.38" W		
Chord Bear	=	S 24° 59' 47.24" W		

Course from PT ALIGN_A2 to A04 S 53° 14' 48.87" E Dist 45.82

Curve Data

Curve ALIGN_A2				
P.I. Station	=	206+17.65 N	6,982,686.72 E	11,729,260.18
Delta	=	53° 51' 12.24" (LT)		
Degree	=	75° 23' 21.31"		
Tangent	=	38.60		
Length	=	71.43		
Radius	=	76.00		
External	=	9.24		
Long Chord	=	68.83		
Mid. Ord.	=	8.24		
P.C. Station	=	205+79.05 N	6,982,725.32 E	11,729,260.59
P.T. Station	=	206+50.48 N	6,982,663.62 E	11,729,291.11
C.C.	=	N	6,982,724.52 E	11,729,336.58
Back	=	S 0° 36' 23.38" W		
Ahead	=	S 53° 14' 48.87" E		
Chord Bear	=	S 26° 19' 12.74" E		

Course from PT ALIGN_A2 to A04 S 53° 14' 48.87" E Dist 45.82

Point A04	N	6,982,636.21 E	11,729,327.82 Sta	206+96.30
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Course from A04 to PC ALIGN_A3 N 36° 42' 41.04" E Dist 85.61

Curve Data

Curve ALIGN_A3				
P.I. Station	=	208+74.49 N	6,982,779.06 E	11,729,434.33
Delta	=	49° 40' 49.95" (RT)		
Degree	=	28° 38' 52.40"		
Tangent	=	92.58		
Length	=	173.42		
Radius	=	200.00		
External	=	20.39		
Long Chord	=	168.04		
Mid. Ord.	=	18.50		
P.C. Station	=	207+81.90 N	6,982,704.84 E	11,729,378.99
P.T. Station	=	209+55.32 N	6,982,784.88 E	11,729,526.73
C.C.	=	N	6,982,585.28 E	11,729,539.32
Back	=	N 36° 42' 41.04" E		
Ahead	=	N 86° 23' 30.99" E		
Chord Bear	=	N 61° 33' 06.02" E		

Ending chain ALIGN_A description

Beginning chain ALIGN_C description

Curve Data

Curve ALIGN_C1				
P.I. Station	=	400+25.78 N	6,982,725.15 E	11,729,554.48
Delta	=	9° 49' 26.01" (LT)		
Degree	=	19° 05' 54.94"		
Tangent	=	25.78		
Length	=	51.44		
Radius	=	300.00		
External	=	1.11		
Long Chord	=	51.37		
Mid. Ord.	=	1.10		
P.C. Station	=	400+00.00 N	6,982,729.36 E	11,729,579.92
P.T. Station	=	400+51.44 N	6,982,716.66 E	11,729,530.14
C.C.	=	N	6,982,433.39 E	11,729,628.92
Back	=	S 80° 35' 57.84" W		
Ahead	=	S 70° 46' 31.83" W		
Chord Bear	=	S 75° 41' 14.84" W		

Curve Data

Curve ALIGN_C2				
P.I. Station	=	401+12.39 N	6,982,696.59 E	11,729,472.58
Delta	=	47° 03' 26.71" (LT)		
Degree	=	40° 55' 32.01"		
Tangent	=	60.96		
Length	=	114.98		
Radius	=	140.00		
External	=	12.70		
Long Chord	=	111.78		
Mid. Ord.	=	11.64		
P.C. Station	=	400+51.44 N	6,982,716.66 E	11,729,530.14
P.T. Station	=	401+66.42 N	6,982,640.78 E	11,729,448.06
C.C.	=	N	6,982,584.47 E	11,729,576.23
Back	=	S 70° 46' 31.83" W		
Ahead	=	S 23° 43' 05.12" W		
Chord Bear	=	S 47° 14' 48.47" W		

Curve Data

Curve ALIGN_C3				
P.I. Station	=	402+42.03 N	6,982,571.56 E	11,729,417.65
Delta	=	136° 42' 51.73" (LT)		
Degree	=	190° 59' 09.35"		
Tangent	=	75.61		
Length	=	71.58		
Radius	=	30.00		
External	=	51.34		
Long Chord	=	55.77		
Mid. Ord.	=	18.94		
P.C. Station	=	401+66.42 N	6,982,640.78 E	11,729,448.06
P.T. Station	=	402+38.00 N	6,982,601.10 E	11,729,487.25
C.C.	=	N	6,982,628.72 E	11,729,475.53
Back	=	S 23° 43' 05.12" W		
Ahead	=	N 67° 00' 13.38" E		
Chord Bear	=	S 44° 38' 20.75" E		

Curve Data

Curve ALIGN_C4				
P.I. Station	=	402+67.14 N	6,982,612.48 E	11,729,514.07
Delta	=	55° 49' 27.67" (LT)		
Degree	=	104° 10' 26.94"		
Tangent	=	29.14		
Length	=	53.59		
Radius	=	55.00		
External	=	7.24		
Long Chord	=	51.49		
Mid. Ord.	=	6.40		
P.C. Station	=	402+38.00 N	6,982,601.10 E	11,729,487.25
P.T. Station	=	402+91.59 N	6,982,641.07 E	11,729,519.72
C.C.	=	N	6,982,651.73 E	11,729,465.76
Back	=	N 67° 00' 13.38" E		
Ahead	=	N 11° 10' 45.71" E		
Chord Bear	=	N 39° 05' 29.55" E		

Course from PT ALIGN_C4 to C02 N 11° 10' 45.71" E Dist 78.73

Point C02	N	6,982,718.31 E	11,729,534.98 Sta	403+70.33
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Ending chain ALIGN_C description

CONCEPT PLANS

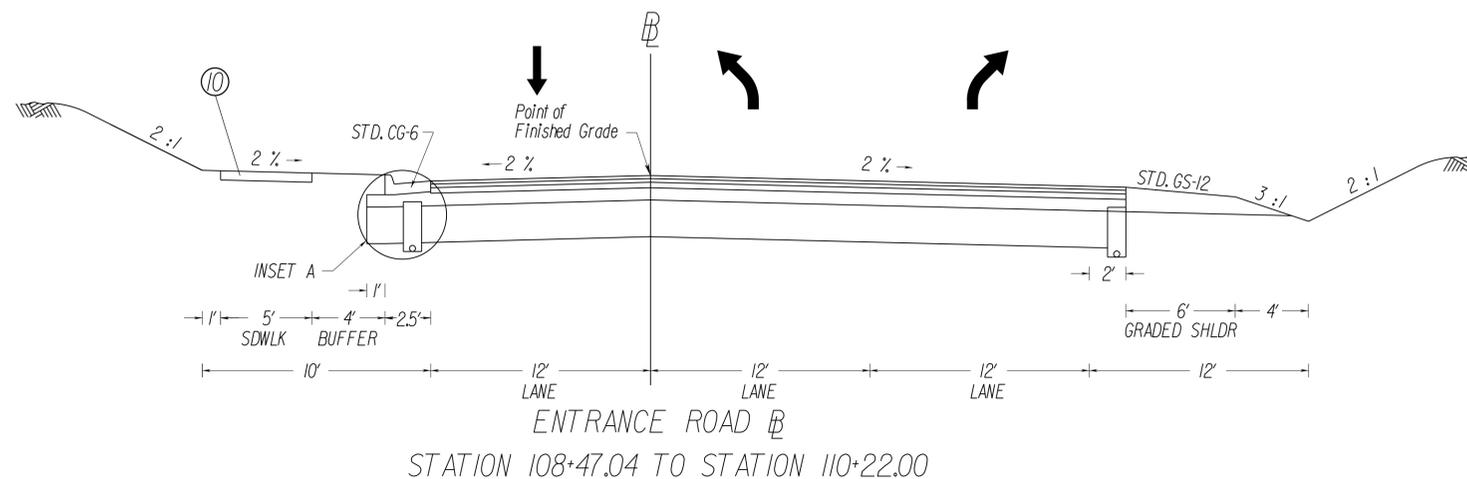
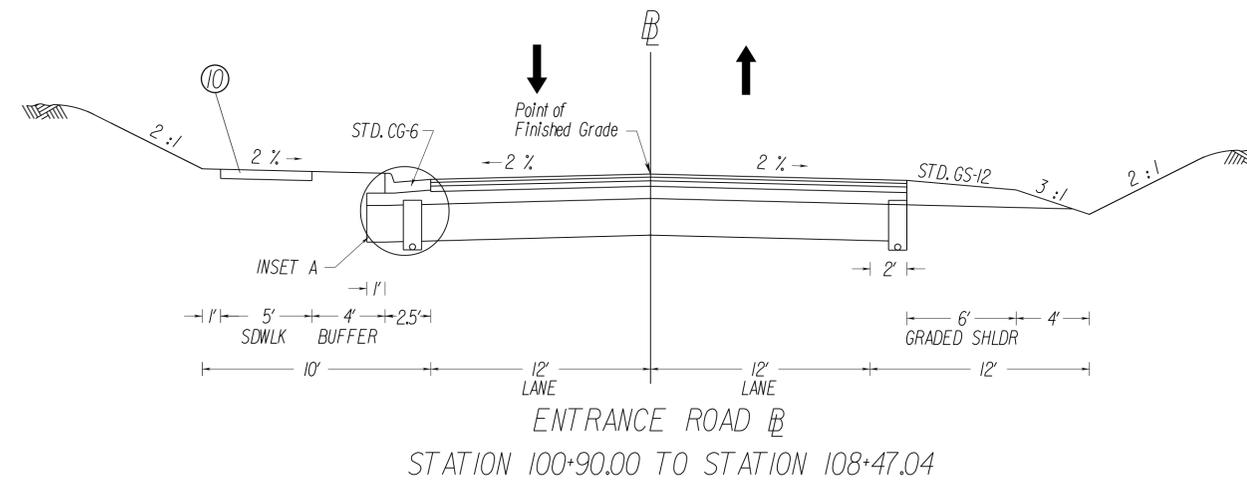
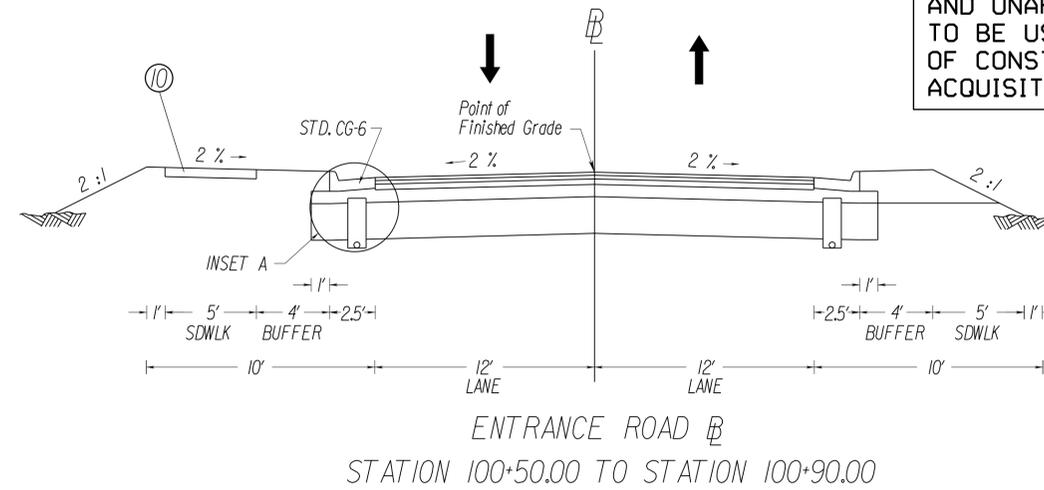
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

TYPICAL SECTIONS

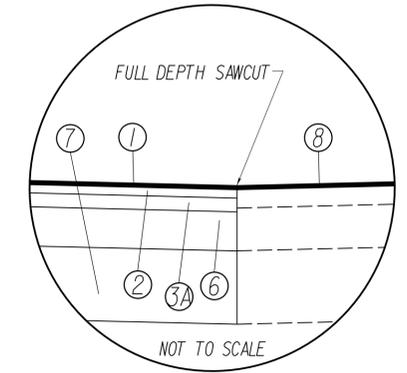
CONCEPT PLANS

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

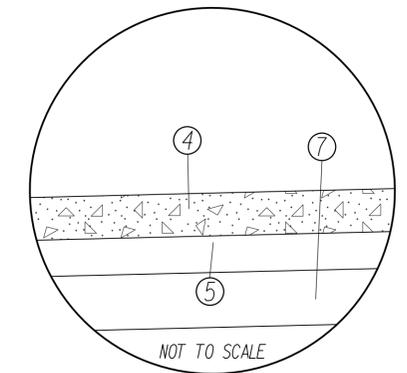
- 1 1" ASPHALT CONCRETE SURFACE COURSE TYPE SM-4.75A @ 115 LBS.PER SQ.YD.
- 2 2" ASPHALT CONCRETE TYPE IM-19.0A @ 230 LBS.PER SQ.YD.
- 3 3" ASPHALT CONCRETE BASE COURSE TYPE BM-25.0A
- 3A 6" ASPHALT CONCRETE BASE COURSE TYPE BM-25.0A
- 4 8" PLAIN JOINTED CONCRETE PAVEMENT STANDARD PR-2 W/ MAX.15' JOINT SPACING. A JOINT LAYOUT PLAN TO BE PROVIDED BY THE DESIGN-BUILDER TO VDOT FOR APPROVAL PRIOR TO CONSTRUCTION.
- 5 6" AGGREGATE BASE MATERIAL TYPE 1,NO.2IB
- 6 8" AGGREGATE BASE MATERIAL TYPE 1,NO.2IB
- 7 2' UNDERCUT & SELECT MATERIAL REPLACEMENT
- 8 2" MILLING & REPLACE WITH 2" ASPHALT CONCRETE SURFACE COURSE TYPE SM-9.5D @ 235 LBS.PER SQ.YD.
- 9 STANDARD UD-4 REQ'D
- 10 4" HYDRAULIC CEMENT CONCRETE & 4" AGGREGATE BASE MATERIAL TYPE 1,NO.2IB



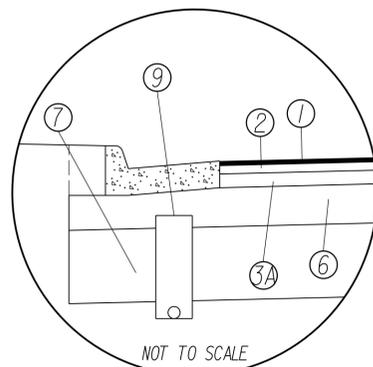
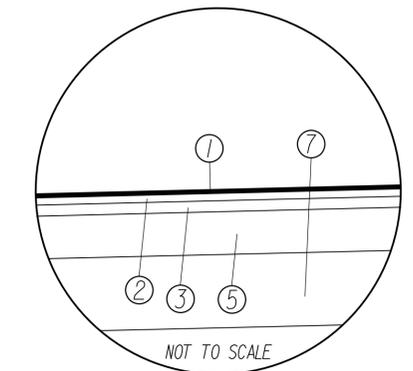
END OF CONSTRUCTION TIE-IN WITH HEATHCOTE BLVD



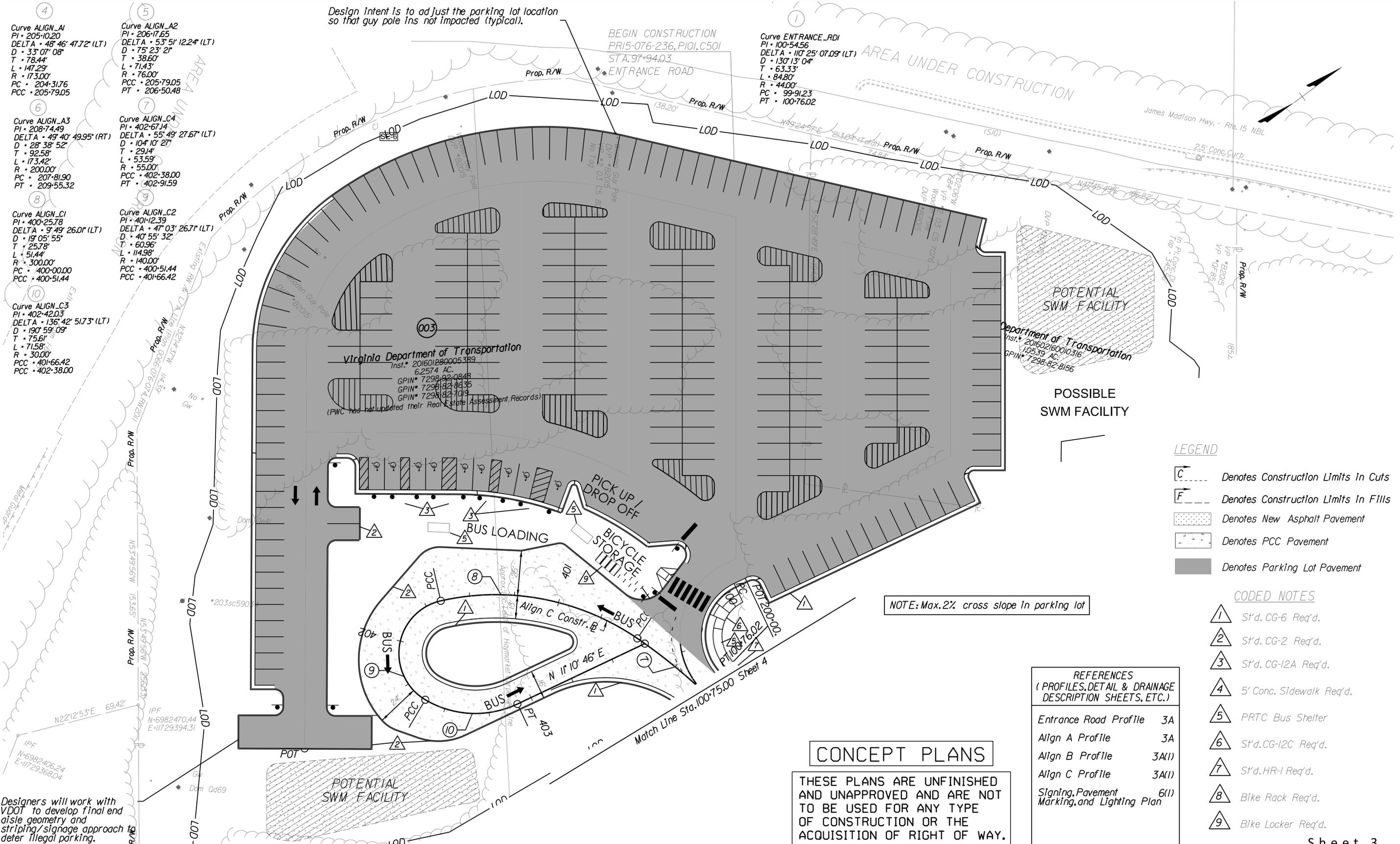
BUS PAD PAVEMENT INSET



PARKING LOT PAVEMENT INSET



INSET A



- ④ Curve ALIGN_A1
PI • 205+10.20
DELTA • 48° 46' 47.72" (LT)
D • 33' 07' 08"
T • 78.44'
L • 147.29'
R • 173.00'
PC • 204+31.76
PCC • 205+79.05
- ⑤ Curve ALIGN_A2
PI • 206+17.65
DELTA • 53° 51' 12.24" (LT)
D • 75' 23' 21"
T • 38.60'
L • 71.43'
R • 76.00'
PCC • 205+79.05
PT • 206+50.48
- ⑥ Curve ALIGN_A3
PI • 208+74.49
DELTA • 49° 40' 49.95" (RT)
D • 28' 38' 52"
T • 92.58'
L • 173.42'
R • 200.00'
PC • 207+81.90
PT • 209+55.32
- ⑦ Curve ALIGN_C4
PI • 402+67.14
DELTA • 55° 49' 27.67" (LT)
D • 104' 10' 27"
T • 29.14'
L • 53.59'
R • 55.00'
PCC • 402+38.00
PT • 402+91.59
- ⑧ Curve ALIGN_C1
PI • 400+25.78
DELTA • 9° 49' 26.01" (LT)
D • 19' 05' 55"
T • 25.78'
L • 51.44'
R • 300.00'
PC • 400+00.00
PCC • 400+51.44
- ⑨ Curve ALIGN_C2
PI • 401+12.39
DELTA • 47° 03' 26.71" (LT)
D • 40' 55' 32"
T • 60.96'
L • 114.98'
R • 140.00'
PCC • 400+51.44
PCC • 401+66.42
- ⑩ Curve ALIGN_C3
PI • 402+42.03
DELTA • 136° 42' 51.73" (LT)
D • 190' 59' 09"
T • 75.61'
L • 71.58'
R • 30.00'
PCC • 401+66.42
PCC • 402+38.00

- LEGEND**
- Denotes Construction Limits in Cuts
 - Denotes Construction Limits in Fills
 - Denotes New Asphalt Pavement
 - Denotes PCC Pavement
 - Denotes Parking Lot Pavement

- CODED NOTES**
- ① S't.d. CG-6 Req'd.
 - ② S't.d. CG-2 Req'd.
 - ③ S't.d. CG-12A Req'd.
 - ④ 5' Conc. Sidewalk Req'd.
 - ⑤ PRTC Bus Shelter
 - ⑥ S't.d. CG-12C Req'd.
 - ⑦ S't.d. HR-1 Req'd.
 - ⑧ Bike Rack Req'd.
 - ⑨ Bike Locker Req'd.

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

Entrance Road Profile	3A
Align A Profile	3A
Align B Profile	3A(1)
Align C Profile	3A(1)
Signing, Pavement Marking, and Lighting Plan	6(1)

CONCEPT 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.

NOTE: Max. 2% cross slope in parking lot

Designers will work with VDOT to develop final end aisle geometry and striping/signage approach to deter illegal parking.



CONCEPT PLANS

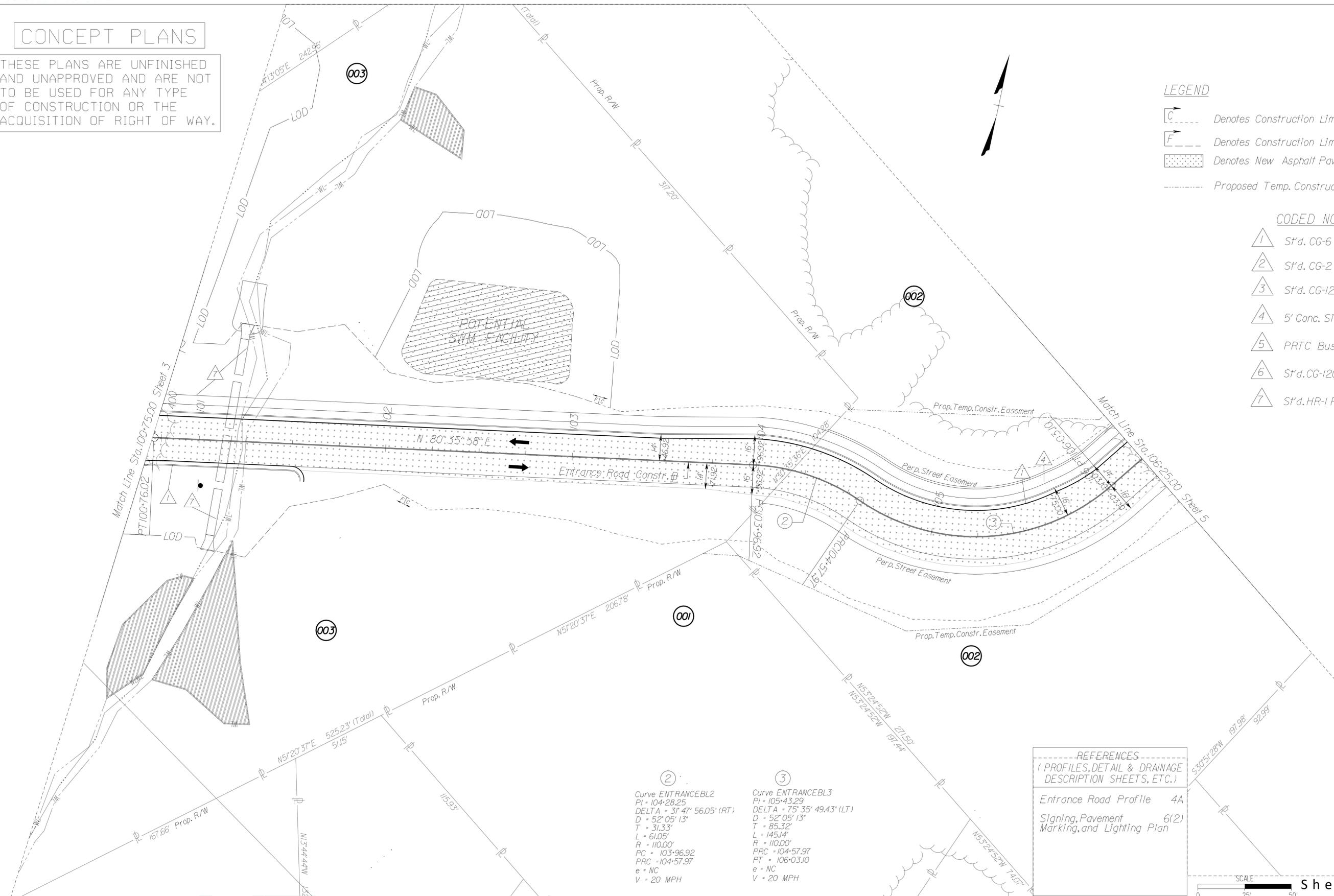
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

LEGEND

- Denotes Construction Limits in Cuts
- Denotes Construction Limits in Fills
- Denotes New Asphalt Pavement
- Proposed Temp. Constr. Easement

CODED NOTES

- S't.d. CG-6 Req'd.
- S't.d. CG-2 Req'd.
- S't.d. CG-12A Req'd.
- 5' Conc. Sidewalk Req'd.
- PRTC Bus Shelter
- S't.d. CG-12C Req'd.
- S't.d. HR-1 Req'd.

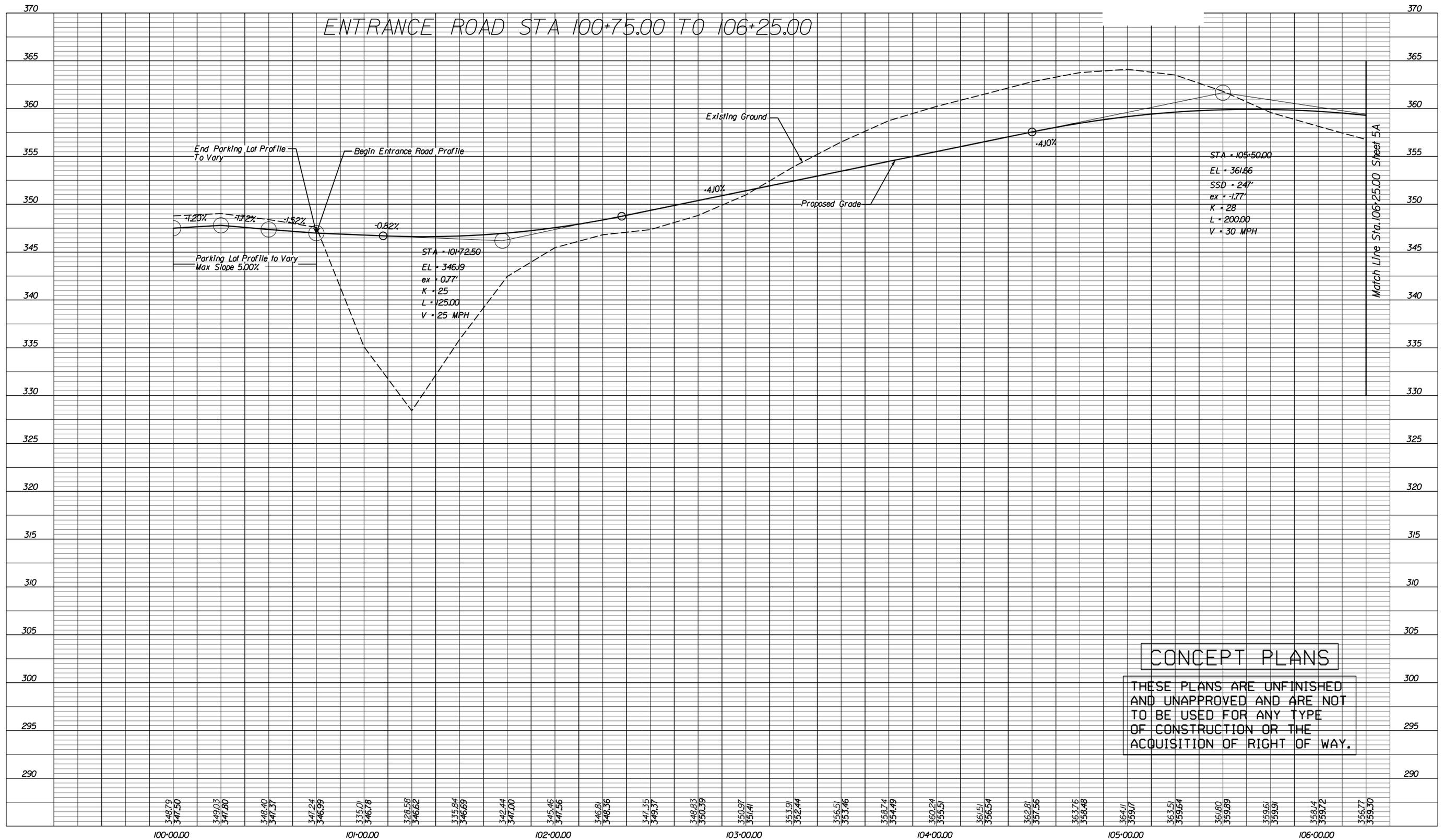


(2)
Curve ENTRANCEBL2
PI = 104+28.25
DELTA = 31° 47' 56.05" (RT)
D = 52' 05' 13"
T = 31.33'
L = 61.05'
R = 110.00'
PC = 103+96.92
PRC = 104+57.97
e = NC
V = 20 MPH

(3)
Curve ENTRANCEBL3
PI = 105+43.29
DELTA = 75° 35' 49.43" (LT)
D = 52' 05' 13"
T = 85.32'
L = 145.14'
R = 110.00'
PRC = 104+57.97
PT = 106+03.10
e = NC
V = 20 MPH

REFERENCES
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)
Entrance Road Profile 4A
Signing, Pavement Marking, and Lighting Plan 6(2)





CONCEPT 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.

LEGEND

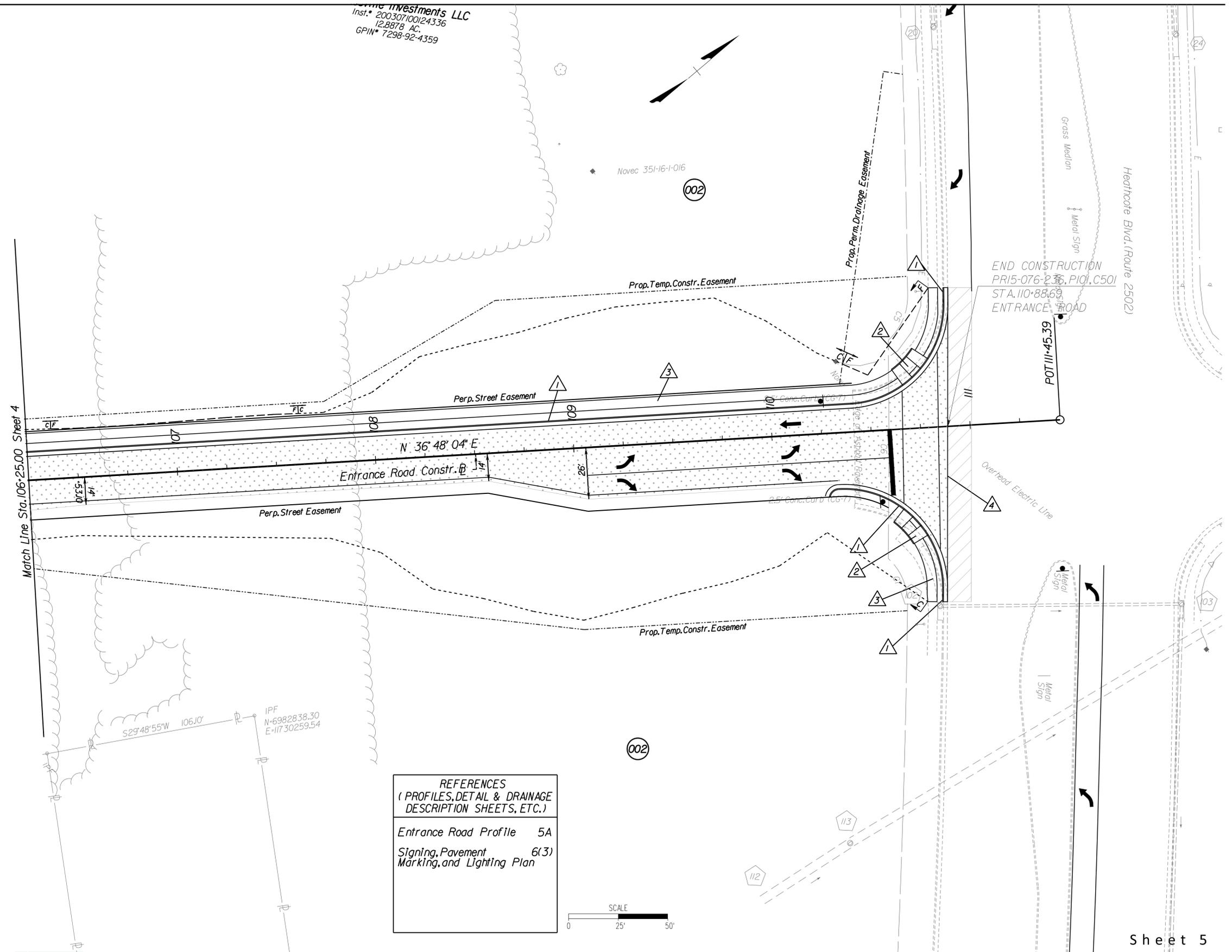
- Denotes Construction Limits in Cuts
- Denotes Construction Limits in Fills
- Denotes New Asphalt Pavement
- Proposed Temp. Construction Easement
- Denotes Mill and Overlay

CODED NOTES

- 1' S't.d. CG-6 Req'd.
- 2' S't.d. CG-12B Req'd.
- 5' Conc. Sidewalk Req'd.
- Full Depth Sawcut

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

Entrance Road Profile	5A
Signing, Pavement Marking, and Lighting Plan	6(3)



Investments LLC
Inst. # 200307100124336
12.8878 AC.
GPIN # 7298-92-4359

Novac 351-16-1-016
002

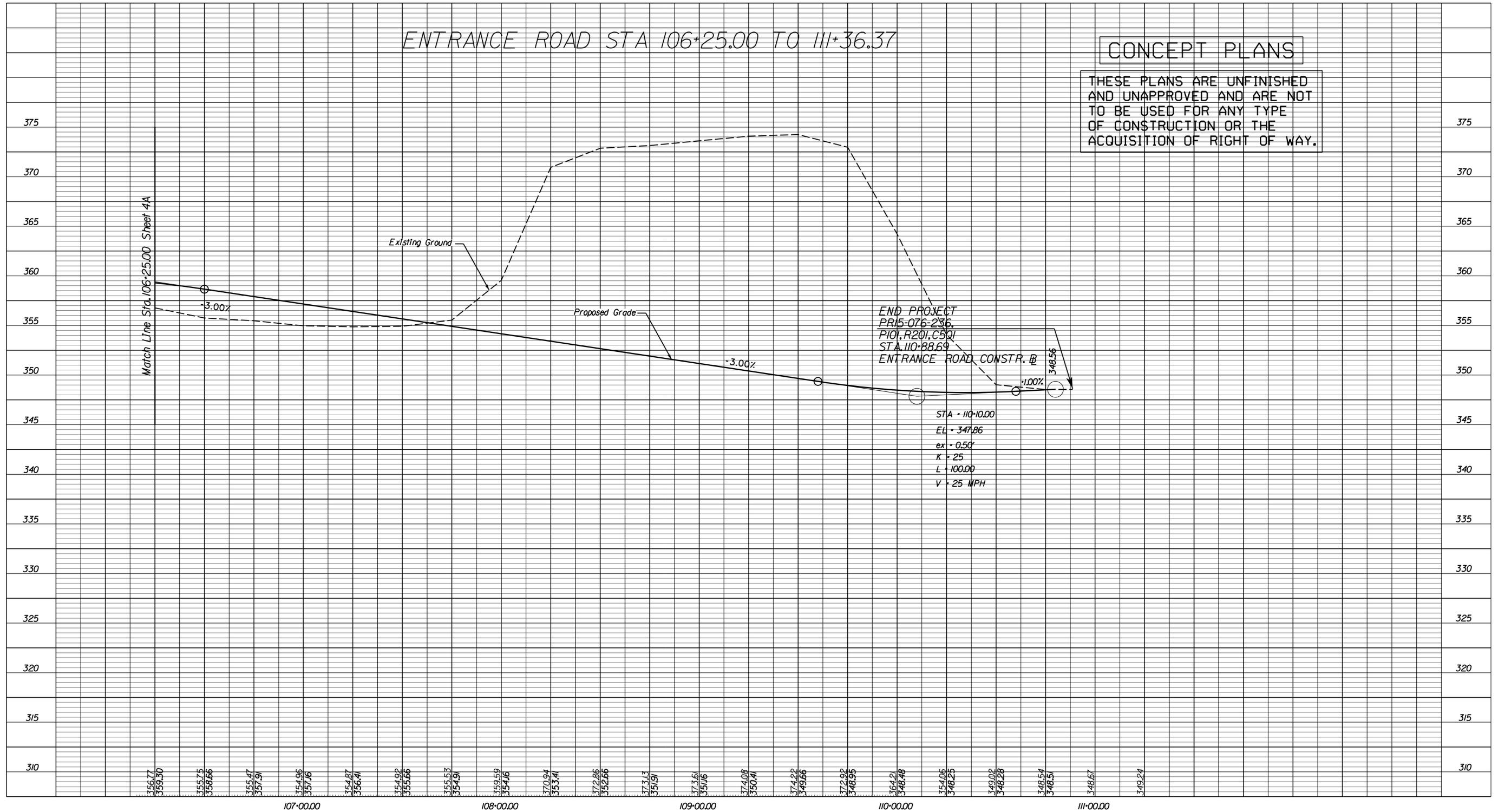
END CONSTRUCTION
PR15-076-236, P101, C501
STA. 110+88.69
ENTRANCE ROAD

Grass Median
Metal Sign
Heathcote Blvd (Route 2502)

Overhead Electric Line

Match Line Sta. 106+25.00 Sheet 4

S29°48'55"W 106.10'
IPF
N=6982838.30
E=11730259.54





Price Proposal

Park and Ride Lot at I-66/Route 15 Interchange (In the Northeast Quadrant)

A DESIGN-BUILD PROJECT

Town of Haymarket and Prince William County, Virginia

State Project No.: PR15-076-236

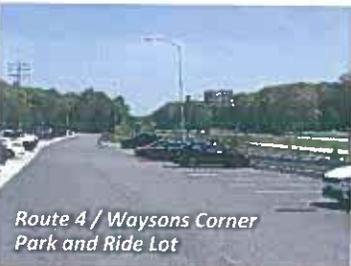
Federal Project No.: STP-5A01(767)

Contract ID Number: C00109486DB99

Telegraph Phase I Park and Ride



Parking Lot & Access Road at
Montgomery College



Route 4 / Waysons Corner
Park and Ride Lot



VRE Brooke Station Parking Lot

A Proposal from



&



September 8, 2017

Submitted to: **Virginia Department of Transportation**

1401 E. Broad Street
Richmond, Virginia 23219

ATTACHMENT 4.0.1.2

**DESIGN-BUILD PRICE PROPOSAL
CHECKLIST**

**Project Name: Park and Ride Lot at I-66/Route 15 Interchange
Contract ID Number: C00109486DB99**

➤ **Contents of Price Proposal:**

- Cost Breakdown Summary in whole numbers and the Proposal Price, in both numbers and words (Attachment 4.3.1)**
 - Price Adjustment Information and Forms for Fuel and Asphalt, including identification of pay items and associated quantities eligible for adjustment (Part 3, Section 6.3, Attachments 6.3)**
 - 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, Attachments 4.3.4(a) and 4.3.4(b))**
 - CD-ROM containing the entire Price Proposal in a single cohesive Adobe PDF file**
-

**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>370,000.00</u>
Construction Services (exclude QA/QC), LS	\$ <u>3,436,401.00</u>
Quality Assurance (QA) (Construction), LS	\$ <u>203,000.00</u>
Quality Control (QC) (Construction), LS	\$ <u>204,000.00</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): FOUR MILLION TWO HUNDRED THIRTEENTHOUSAND
FOUR HUNDRED ONE DOLLARS (\$ 4,213,401.00)

Signature:  Date: 9/08/17

Design-Builder: Tavares Concrete Company, Inc.

Vendor No.: T131

**ATTACHMENT
ADJUSTMENT TO ASPHALT
AND FUEL**

EXHIBIT 6.3(a)
ADJUSTMENT FOR ASPHALT

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

July 6, 2017

All asphalt material listed in the attached "Master Listing of 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 Scheduling and Contracts Division website on or about the first weekday of the following month. In the event the average prices were to change 10 percent or more of the Base Index during the middle of the month, the Design Builder can submit a letter to the Department and the supplier that provides evidence of the difference in price. Upon receipt of the letter consideration will be given to extend additional adjustments as deemed necessary.

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

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

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

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

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

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

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

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

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

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

Adjustment of any asphalt material item designated as a price adjustment item which does not contain PG 64-22, except PG 76-22 or PG 70-28, will be based on the indexes for PG 64-22. 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 must 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**
(10-27-09)

ITEM	DESCRIPTION	UNITS	SPECIFICATION
10062	Asphalt-Stab. Open-Graded Material	Ton	313
10416	Liquid Asphalt	Gal	311 312
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
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 (76-22)	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
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 (76-22)	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(70-22)	Ton	317
10651	Stone Matrix Asphalt SMA-9.5(76-22)	Ton	317
10652	Stone Matrix Asphalt SMA-12.5(70-22)	Ton	317
10653	Stone Matrix Asphalt SMA-12.5(76-22)	Ton	317
10654	Stone Matrix Asphalt SMA-19.0(70-22)	Ton	317
10655	Stone Matrix Asphalt SMA-19.0(76-22)	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
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 (76-22)	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 (76-22)	Ton	315
16365	Asphalt Concrete Ty. IM-19.0A	Ton	315
16370	Asphalt Concrete Ty. IM-19.0D	Ton	315
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(70-22)	Ton	ATTD
16401	Stone Matrix Asphalt SMA-9.5(76-22)	Ton	ATTD
16402	Stone Matrix Asphalt SMA-12.5(70-22)	Ton	ATTD
16403	Stone Matrix Asphalt SMA-12.5(76-22)	Ton	ATTD
16404	Stone Matrix Asphalt SMA-19.0(70-22)	Ton	ATTD
16405	Stone Matrix Asphalt SMA-19.0(76-22)	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 30, 2011
(Revised) November 5, 2012

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 will 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. A master listing of standard items eligible for fuel adjustment is provided by the Department on its website at the following link <http://www.virginiadot.org/business/resources/masteroptionalfuelitems.pdf>. 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.

The amount of adjustment will be computed from the change in the indexes and the on-site fuel use as shown in the Department's master listing of eligible items.

In order to be eligible for fuel adjustment under this provision, the Design-Builder shall clearly identify in within the Schedule of Values 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 Values will automatically 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.

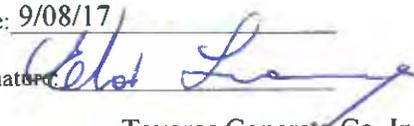
In the event any of the base fuel prices in this contract increase more than 100 percent (i.e. fuel prices double), the Department will review each affected item of work and give the Design-Builder written notice if work is to stop on any affected item of work. The Department reserves the right to reduce, 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: 9/08/17

Signature: 

Design-builder: Tavares Concrete Co., Inc.

Vendor No.: T131

**ATTACHMENT
PROPOSAL GUARANTY**

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
PROPOSAL GUARANTY

KNOW ALL MEN BY THESE PRESENTS, THAT WE Tavares Concrete Company, Inc. As principal, and Travelers Casualty & Surety Company of America 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 September, 20 17

WHEREAS, the above said principal is herewith submitting its proposal for: Park and Ride Lot at I-66/Route 15 Interchange (In the Northeast Quadrant)
PROJECT NUMBER: PR15-076-236
Federal Project No.: STP-5A01(767)
Contract ID number: C00109486DB99

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.

Tavares Concrete Company, Inc.
(Principal*)
By: [Signature]
(Officer, Partner or Owner) (Seal)

Travelers Casualty and Surety Company of America
(Surety Company)
By: [Signature]
Alex G. Roddey, (Attorney-in-Fact**) (Seal)

(Principal*)

One Tower Square, Hartford, CT-06183
(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



POWER OF ATTORNEY

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company

Attorney-In Fact No. 218128

Certificate No. 007114178

KNOW ALL MEN BY THESE PRESENTS: That Farmington Casualty Company, St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company are corporations duly organized under the laws of the State of Connecticut, that Fidelity and Guaranty Insurance Company is a corporation duly organized under the laws of the State of Iowa, and that Fidelity and Guaranty Insurance Underwriters, Inc., is a corporation duly organized under the laws of the State of Wisconsin (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint

Alex G. Roddey, Dorothy J. Outlaw, and Ernest DeConti Jr.

of the City of Fairfax, State of Virginia, their true and lawful Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed and their corporate seals to be hereto affixed, this 1st day of February, 2017.

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company



State of Connecticut
City of Hartford ss.

By: [Signature]
Robert L. Raney, Senior Vice President

On this the 1st day of February, 2017, before me personally appeared Robert L. Raney, who acknowledged himself to be the Senior Vice President of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, and that he, as such, being authorized so to do, executed 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 hereunto set my hand and official seal.
My Commission expires the 30th day of June, 2021.



[Signature]
Marie C. Tetreault, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, Kevin E. Hughes, the undersigned, Assistant Secretary, of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which 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 September, 2017


Kevin E. Hughes, Assistant Secretary



To verify the authenticity of this Power of Attorney, call 1-800-421-3880 or contact us at www.travelersbond.com. Please refer to the Attorney-In-Fact number, the above-named individuals and the details of the bond to which the power is attached.

**ATTACHMENT
SWORN STATEMENT FORMS**

**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION**

PROJECT: PR15-076-236

FHWA: STP-5A01(767)

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 Fairfax, Virginia, this 8th day of September, 20 17
County (City), STATE
Tavares Concrete Company, Inc By: [Signature] Vice President
(Name of Firm) (Signature) Title (print)
STATE of Virginia COUNTY (CITY) of Fairfax

To-wit: I Ana Paula Pereira, a Notary Public in and for the State and County(City) aforesaid, hereby certify that this day Eloi Lourenco

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 8th day of September, 20 17
[Signature] My Commission expires 6/30/2020
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: PR15-076-236

FHWA: STP-5A01(767)

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>PR15-076-236</u>	<u>STP-5A01(767)</u>
<u>VTCA</u>	<u>620 Moorefield Park Dr. Suite 120</u>
	<u>Richmond, VA 23236</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.:

Form C-105
page 2

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

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

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

Signed at Fairfax, VA, this 8th day of September, 20 17
County (City), STATE
Tavares Concrete Company, Inc. Elo Lourence Vice President
(Name of Firm) (Signature) Title (print)
STATE of Virginia COUNTY (CITY) of Fairfax

To-wit:

I Ana Paula Pereira, a Notary Public in and for the State and County (City) aforesaid, hereby certify that this day Elo Lourence

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 8th day of September, 20 17
Ana Paula Pereira My Commission expires 6/30/2020

Notary Public