Route 35 Bridge Replacement
A Design-Build Project
Southampton County, Virginia

From: 0.072 Miles West of Southampton County Line
To: 0.364 Miles West of Southampton County Line

Proposal Submittal
Letter of Submittal and Attachments

State Project No.: (NF0) 0035-087-112, PE-101, RW-201, C-501, B-604
Federal Project No.: BR-087-5(014)
Contract ID Number: C00081457DB57

Proposal Submitted by:

WAGMAN
BRIDGING GENERATIONS · SINCE 1902

JOHNSON, MIRMIAN & THOMPSON
Engineering A Brighter Future®

9.11.2013
### 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.

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<td>Page Reference</td>
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<td>Section 4.2.2</td>
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<td>Tab 4.2.8</td>
</tr>
</tbody>
</table>
ATTACHMENT 3.4

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION

RFP NO. C00081457DB57
PROJECT NO. (NFO) 0035-087-112, PE-101, RW-201, C-501, B-604

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:

   (Date)

2. Cover letter of August 13, 2013 – RFP Addendum No. 1
   (Date)

3. Cover letter of August 20, 2013 – RFP Addendum No. 2
   (Date)

   (Date)

______________________________
Todd E. Becker
PRINTED NAME

______________________________
September 11, 2013
DATE

______________________________
Senior V.P. of Operations
TITLE
SECTION 4.1
LETTER OF SUBMITTAL
September 11, 2013

Joseph Clarke, P.E.
Virginia Department of Transportation (VDOT)
1401 East Broad Street
Annex Building, 8th Floor
Richmond, VA 23219

RE: Letter of Submittal
Route 35 Bridge Replacement
Southampton County, Virginia
State Project No.: (NFO) 0035-087-112, PE-101,
RW-201, C501, B604
Federal Project No.: BR-087-5(014)
Contract ID Number: C00081457DB57

Dear Mr. Clarke:

G.A. & F.C. Wagman, Inc. (Wagman) is pleased to submit one (1) original paper version of our Letter of Submittal, with full supporting documentation, which bear original signatures; and one (1) CD-ROM containing the entire Letter of Submittal along with attachments in a single cohesive Adobe PDF file to the Virginia Department of Transportation (VDOT) to provide Design-Build (D-B) services for the Route 35 Bridge Replacement Project in Southampton County, Virginia. We have carefully reviewed the Request for Proposals (RFP), RFP Addendum Numbers 1, 2 & 3, and RFP Questions and Answers; attended the Pre-Proposal and Utility Meeting; and visited the project site multiple times.

PROJECT TEAM
G.A. & F.C. Wagman, Inc. has assembled a strong and efficient team of highly-qualified professionals with the necessary expertise to successfully meet the goals and objectives of this project. Wagman has selected Johnson, Mirmiran & Thompson (JMT) as our lead design firm to provide all engineering services for this project. Wagman and JMT have excellent reputations in the design and construction of similar projects, with proven prior experience in delivering quality D-B projects. Other members of our team include EEE Consulting, Inc., ECS Mid-Atlantic, LLC, Hassan Water Resources, PLC and Quinn Consulting Services, Inc.

Section 4.1.1 Offeror’s Full Legal Name
The Offeror’s full legal name and address is as stated herein and shall be the legal entity who will execute the Contract with VDOT.

G.A. & F.C. Wagman, Inc.
3290 N. Susquehanna Trail
York, PA 17406-9754

Section 4.1.2 Declaration of Offeror’s Intent
It is the Offeror’s intent, if selected, to enter into a contract with VDOT for the Project referenced herein in accordance with the terms of the RFP.

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

Section 4.1.4 Point Of Contact
Wagman’s official representative and designated Point Of Contact for all project-related communications is Wagman’s Vice President, Division Manager Mr. David W. Lyle. Mr. Lyle can be reached as follows:

G.A. & F.C. WAGMAN, INC.
3290 N. Susquehanna Trail | Phone: 717-764-8521
York, PA 17406-9754 | Fax: 717-767-5457
WWW.WAGMAN.COM
Section 4.1.5 Principal Officer

The Principal Officer of G.A. & F.C. Wagman, Inc. with whom a D-B contract would be written is Wagman’s principal officer and Senior Vice President Operations, Mr. Todd E. Becker. Mr. Becker can be reached as follows:

<table>
<thead>
<tr>
<th>Address</th>
<th>Phone</th>
<th>Mobile</th>
<th>Fax</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>5911 Nena Grove Lane Chester, VA 23831-3715</td>
<td>804-778-4444</td>
<td>804-731-3707</td>
<td>804-778-4929</td>
<td><a href="mailto:dwlyle@wagman.com">dwlyle@wagman.com</a></td>
</tr>
</tbody>
</table>

Section 4.1.6 Structure of Offeror

G.A. & F.C. Wagman, Inc. is an active, registered Corporation in the Commonwealth of Virginia and will take financial responsibility for this project. A single 100% performance bond and a single 100% payment bond will be provided for the total contract value and time period. Currently, there are no liability limitations on behalf of G.A. & F.C. Wagman, Inc.

Section 4.1.7 Full Legal Name of Both Lead Contractor and Lead Designer

Lead Contractor’s full legal name is: G.A. & F.C. Wagman, Inc.
Lead Designer’s full legal name is: Johnson Mirmiran & Thompson, Inc.

Section 4.1.8 Offeror’s Prequalification

G.A. & F.C. Wagman’s VDOT prequalification number is W002 and has a status of active. G.A. & F.C. Wagman is in good standing and prequalified to bid on the Project.

Section 4.1.9 Commitment to DBE Participation Goal

G.A. & F.C. Wagman, Inc. formally commits to achieving VDOT’s twelve percent (12%) Disadvantaged Business Enterprise (DBE) participation goal for the entire value of the contract on the Route 35 Bridge Replacement D-B Project.

Section 4.1.10 Milestone Dates

G.A. & F.C. Wagman, Inc. is committed to achieving the following proposed milestone dates:

Interim Milestone Date: November 4th, 2015
Final Completion Date: November 30th, 2015

Wagman and JMT have long and successful histories of serving VDOT on numerous projects. As a single, integrated D-B Team, we will design and construct the Route 35 Bridge Replacement Design-Build Project in a manner to ensure the greatest opportunity for success. We will create a transparent working relationship with VDOT and 3rd party stakeholders to promote trust, confidence, and collaboration.

Respectfully Submitted,
G.A. & F.C. Wagman, Inc.

Todd E. Becker
Senior Vice President of Operations

G.A. & F.C. WAGMAN, INC.
3290 N. Susquehanna Trail York, PA 17406-9574 Phone: 717-764-8521 Fax: 717-767-5457 WWW.WAGMAN.COM EQUAL OPPORTUNITY EMPLOYER
SECTION 4.2
ATTACHMENTS TO LETTER OF SUBMITTAL
SECTION 4.2.1

AFFILIATED/SUBSIDIARY COMPANIES LIST
**ATTACHMENT 4.2.1**

**State Project No. 0035-087-112, PE-101, RW-201, C-501, B-604**

**Affiliated and Subsidiary Companies of the Offeror**

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

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

<table>
<thead>
<tr>
<th>Relationship with Offeror (Affiliate or Subsidiary)</th>
<th>Full Legal Name</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Affiliate</td>
<td>Wagman Construction, Inc.</td>
<td>231 North George Street, York, PA 17401</td>
</tr>
<tr>
<td>Affiliate (Parent)</td>
<td>Wagman Companies, Inc.</td>
<td>3290 North Susquehanna Trail, York, PA 17406</td>
</tr>
</tbody>
</table>

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SECTION 4.2.2
DEBARMENT FORMS
ATTACHMENT 4.2.2(A)
ATTACHMENT 4.2.2(B)
PRIMARY DEBARMENT FORM
ATTACHMENT 4.2.2(A)
ATTCHEMENT 4.2.2(a)
CERTIFICATION REGARDING DEBARMENT
PRIMARY COVERED TRANSACTIONS

Project No.: 0035-087-112, PE-101, RW-201, C-501, B-604

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

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

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

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

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

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

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

[Signature]
[Date]

Senior V.P. of Operations

[Title]

G.A. & F.C. Wagman, Inc.

Name of Firm
LOWER TIER DEBARMENT FORM
ATTACHMENT 4.2.2(B)
ATTACHMENT 4.2.2(b)
CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

Project No.: 0035-087-112, PE-101, RW-201, C-501, B-604

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] August 30, 2013 [Senior Vice President]
[Date] [Title]

Johnson Mirmiran and Thompson, Inc.

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

Project No.: 0035-087-112, PE-101, RW-201, C-501, B-604

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] August 28, 2013 [Date] [President] [Title]

Quinn Consulting Services, Inc.

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

Project No.: 0035-087-112, PE-101, RW-201, C-501, B-604

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.

J. Randy Wirt August 23, 2013 VP/Director of Engineering
Signature Date Title

ECS Mid-Atlantic, LLC

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

Project No.: 0035-087-112, PE-101, RW-201, C-501, B-604  

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] [Date]  
Vice President  
Title  

EEE Consulting, Inc.  
Name of Firm
ATTACHMENT 4.2.2(b)
CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

Project No.: 0035-087-112, PE-101, RW-201, C-501, B-604

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] 8/15/2013 [Title]

[Name of Firm]
SECTION 4.2.3

VDOT PREQUALIFICATION CERTIFICATE
In accordance with the Regulations of the Virginia Department of Transportation, you are hereby notified that the following Rating and Classifications have been assigned to your firm:

**Work Classes:**
- Major Structures: Clearing and grubbing;
- Demolition of Structures; Excavating

**Vendor Number:** W002

**PREQUALIFIED**

**Issue Date:** 10/31/2012

**This Rating and Classification will Expire:** 10/31/2013

Suzanne Fr. Lucas, Prequalification Officer
Prequalified Level

Your firm's prequalification documentation demonstrates that your firm has met or exceeded the minimum Prequalification Score of 80, the minimum Quality Score of 85, and the minimum Safety Score of 70. It has earned the "Prequalified" Level of Qualification. With this level of prequalification, your firm may bid on all projects up to your firm's bonding ability.

Expiration and renewal
Prequalification privileges are for a limited period of time. The expiration date is posted on your firm's listing on "The Prequalified List" on our webpage. New prequalification forms are due in the Prequalification Office the first day of the month prior to the Expiration month. Renewal expirations always fall on the last date of the expiration month.

Below are the set months of expiration for firms name starting with the letter or if the firm has a formal person's name, the first letter of the last name.


New prequalification forms may be obtained at the following webpage: (Only the latest revision of the application will be accepted for renewal)

http://www.virginiadot.org/business/const/prequal.asp

Thanks for applying for Prequalification. Please send an email to the Prequalification Office if you have any further concerns regarding your firm's prequalification at:

Prequalification@VDOT.Virginia.gov
SECTION 4.2.4
SURETY LETTER
July 23, 2013

Mr. Joseph Clark, P.E.
Virginia Department of Transportation
1401 East Broad Street, Annex Building, 8th Floor
Richmond, VA 23219

Re: Route 35 Bridge Replacement
Southampton County, Virginia
State Project No: (NFO) 0035-087-112, PE-101, RW-210, C-501, B0604
Federal Project No: BR-087-5(014)
Contract ID Number: C00081457DB57

Dear Mr. Clarke:

Please be advised a surety line of credit has been established and is in effect for G.A. & F.C. Wagman, Inc. with Western Surety Company, a CNA Surety Company located at Three Radnor Corporate Center, 100 Matson Ford Road, Suite 200, Pennsylvania with an “A” rating by A.M. Best Company and a financial strength rating of “XV”. This surety credit relations has existed since 1965.

Western Surety Company is licensed and authorized to issue bonds in the Commonwealth of Virginia. The existing parameters of their surety credit program are $125,000,000 single project with an aggregate limit of $350,000,000. At the current time, there is adequate reserve available to bond this proposed project and any warranty periods as provided in the contract documents.

Western Surety Company has reviewed the RFP and would welcome the opportunity of underwriting performance and payment bonds for G.A. & F.C. Wagman, Inc. should they be selected as the contractor for this project. This commitment is contingent upon mutually acceptable contract terms, confirmation of financing for the total project and normal underwriting requirements of the surety at the time of contract award.

The surety agent for G.A. & F.C. Wagman, Inc. is Eugene M. Fritz, CPCU, Principal, American Insurance Administrators, Inc., 4550 Lena Drive, Mechanicsburg, PA 17055 (717) 591-8280. Their current power of attorney is attached.

If I can be of any further assistance or provide additional assurances for this highly valued client, please do not hesitate to call.

Respectfully submitted,

Eugene M. Fritz, CPCU
Attorney-In-Fact
Western Surety Company

POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men By These Presents, That WESTERN SURETY COMPANY, a South Dakota corporation, a duly organized and existing corporation having its principal office in the City of Sioux Falls, and State of South Dakota, and that it does by virtue of the signature and seal herein affixed hereby make, constitute and appoint

James R Gould, Joseph G Buyakowski, Alson O Wolcott Jr, Eugene M Fritz, Patricia C Robinson, Kathy R Reisinger, Donald R Wert, Deborah L Cottom, Individually

of Mechanicsburg, PA, its true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred to sign, seal and execute for and on its behalf bonds, undertakings and other obligatory instruments of similar nature

- In Unlimited Amounts -

and to bind it thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of the corporation and all the acts of said Attorney, pursuant to the authority hereby given, are hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the By-Law printed on the reverse hereof, duly adopted, as indicated, by the shareholders of the corporation.

In Witness Whereof, WESTERN SURETY COMPANY has caused these presents to be signed by its Vice President and its corporate seal to be hereto affixed on this 12th day of November, 2012.

WESTERN SURETY COMPANY

Paul T. Bruflat, Vice President

State of South Dakota  ss
County of Minnehaha

On this 12th day of November, 2012, before me personally came Paul T. Bruflat, to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota; that he is the Vice President of WESTERN SURETY COMPANY described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed pursuant to authority given by the Board of Directors of said corporation and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said corporation.

J. Mohr, Notary Public

CERTIFICATE

I, L. Nelson, Assistant Secretary of WESTERN SURETY COMPANY do hereby certify that the Power of Attorney hereinabove set forth is still in force, and further certify that the By-Law of the corporation printed on the reverse hereof is still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said corporation this 13th day of July, 2012.

WESTERN SURETY COMPANY

L. Nelson, Assistant Secretary

Form F4280-7-2012
SECTION 4.2.5
LICENSE & REGISTRATION INFORMATION
ATTACHMENT 4.2.5
State Project No. 0035-087-112, PE-101, RW-201, C-501, B-604

SCC and DPOR Information - Businesses

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.

<table>
<thead>
<tr>
<th>Business Name</th>
<th>SCC Number</th>
<th>SCC Type of Corporation</th>
<th>SCC Status</th>
<th>DPOR Registered Address</th>
<th>DPOR Registration Type</th>
<th>DPOR Registration Number</th>
<th>DPOR Expiration Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>G.A. &amp; F.C. Wagman, Inc.</td>
<td>F01989-8</td>
<td>Foreign</td>
<td>Active</td>
<td>3290 North Susquehanna Trail, York, PA 17406</td>
<td>Class A Contractor</td>
<td>2701015887</td>
<td>1/31/2015</td>
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<td>Johnson Mirmiran and Thompson, Inc.</td>
<td>F149901-3</td>
<td>Corporation</td>
<td>Active</td>
<td>9201 Arboretum Pkwy Suite 310 Richmond, VA 23236</td>
<td>ENG, LS</td>
<td>0411 000029</td>
<td>02/28/14</td>
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<td>Johnson Mirmiran and Thompson, Inc.</td>
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<td>13921 Park Center Rd Herndon, VA 20171</td>
<td>ENG</td>
<td>0411 000441</td>
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<td>Johnson Mirmiran and Thompson, Inc.</td>
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<td>Corporation</td>
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<td>272 Bendix Rd Suite 260 Virginia Beach, VA 23452</td>
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<td>0411 000440</td>
<td>02/28/14</td>
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<td>Hassan Water Resources, PLC</td>
<td>S229328-2</td>
<td>LLC</td>
<td>Active</td>
<td>2255 Parkers Hill Dr. Maidens, VA 23102-2244</td>
<td>ENG</td>
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<tr>
<td>ECS Mid-Atlantic, LLC</td>
<td>S120821-6</td>
<td>LLC</td>
<td>Active</td>
<td>2700 International Parkway, Suite 100 Virginia Beach, VA 23452</td>
<td>ENG</td>
<td>0411 000385</td>
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<tr>
<td>EEE Consulting, Inc.</td>
<td>0504941-6</td>
<td>Corporation</td>
<td>Active</td>
<td>8525 Bell Creek Road Mechanicsville, VA 23116</td>
<td>ENG</td>
<td>0407 003798</td>
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<tr>
<td>Quinn Consulting Services, Inc.</td>
<td>0492551-7</td>
<td>S</td>
<td>Corporation</td>
<td>14160 Newbrook Dr., Suite 220 Chantilly, VA 20151</td>
<td>ENG</td>
<td>0407003733</td>
<td>12/31/13</td>
</tr>
</tbody>
</table>
Commonwealth of Virginia

State Corporation Commission

CERTIFICATE OF GOOD STANDING

I Certify the Following from the Records of the Commission:

That G. A. & F. C. WAGMAN, INC., a corporation incorporated under the law of Pennsylvania, is authorized to transact business in the Commonwealth of Virginia;

That it obtained a certificate of authority to transact business in Virginia from the Commission on September 20, 1967; and

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

Nothing more is hereby certified.

Signed and Sealed at Richmond on this Date:
June 17, 2013

Joel H. Peck, Clerk of the Commission

CISECOM
Document Control Number: 1306175437
CISM0180 CORPORATE DATA INQUIRY

CORP ID: F0198988 - 8 STATUS: 00 ACTIVE STATUS DATE: 10/08/10
CORP NAME: WAGMAN, INC., G. A. & F. C.

DATE OF CERTIFICATE: 09/20/1967 PERIOD OF DURATION: INDUSTRY CODE: 00
STATE OF INCORPORATION: PA PENNSYLVANIA STOCK INDICATOR: S STOCK
MERGER IND: CONVERSION/DOMESTICATION IND:
GOOD STANDING IND: Y MONITOR INDICATOR:
CHARTER FEE: 2500.00 MON NO: MON STATUS: MONITOR DTE:
R/A NAME: CORPORATION SERVICE COMPANY

STREET: BANK OF AMERICA CENTER AR RTN MAIL:
16TH FLOOR, 1111 EAST MAIN STREET
CITY: RICHMOND STATE: VA ZIP: 23219
R/A STATUS: 5 B.E. AUTH IN VI EFF. DATE: 09/11/12 LOC: 216
ACCEPTED AR#: 212 53 6903 DATE: 09/26/12 RICHMOND CITY
CURRENT AR#: 212 53 6903 DATE: 09/26/12 STATUS: A ASSESSMENT INDICATOR: 0
YEAR FEES PENALTY INTEREST TAXES BALANCE TOTAL SHARES
13 1,700.00 1,700.00 4,000,000

(Screen Id:Corp_Data_Inquiry)
S T A T E  C O R P O R A T I O N  C O M M I S S I O N

Richmond, February 8, 2002

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

Johnson, Mirmiran & Thompson, Inc.

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

State Corporation Commission
Attest:

[Signature]
Clerk of the Commission
CISM0180  CORPORATE DATA INQUIRY

CORP ID: F149901 - 3  STATUS: 00 ACTIVE  STATUS DATE: 10/17/06
CORP NAME: Johnson, Mirmiran & Thompson, Inc.

DATE OF CERTIFICATE: 10/17/2006 PERIOD OF DURATION: INDUSTRY CODE: 70
STATE OF INCORPORATION: MD MARYLAND STOCK INDICATOR: S STOCK
MERGER IND:  CONVERSION/DOMESTICATION IND:
GOOD STANDING IND: Y  MONITOR INDICATOR:
CHARTER FEE: 50.00  MON NO:
MONITOR DTE:
R/A NAME: ROBERT GALLAGHER

STREET: 9201 ARBORETUM FKY STE 140  AR RTN MAIL:
CITY: RICHMOND  STATE: VA ZIP: 23236
R/A STATUS: 2 OFFICER  EFF. DATE: 09/06/07 LOC : 120
ACCEPTED AR#: 213 53 7683 DATE: 08/13/13  CHESTERFIELD CO
CURRENT AR#: 213 53 7683 DATE: 08/13/13 STATUS: A ASSESSMENT INDICATOR: 0
YEAR FEES PENALTY INTEREST TAXES BALANCE TOTAL SHARES
13 100.00

(Screen Id:/Corp_Data_Inquiry)
Commonwealth of Virginia

State Corporation Commission

CERTIFICATE OF GOOD STANDING

I Certify the Following from the Records of the Commission:

That QUINN CONSULTING SERVICES INCORPORATED is duly incorporated under the law of the Commonwealth of Virginia;

That the date of its incorporation is October 24, 1997;

That the period of its duration is perpetual; and

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

Nothing more is hereby certified.

Signed and Sealed at Richmond on this Date:
August 15, 2011

Joel H. Peck
Clerk of the Commission
CISM0180 CORPORATE DATA INQUIRY

CORP ID: 0492551 - 7 STATUS: 00 ACTIVE STATUS DATE: 12/01/08

CORP NAME: QUINN CONSULTING SERVICES INCORPORATED

DATE OF CERTIFICATE: 10/24/1997 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: 50.00 MON NO: MON STATUS: MONITOR DTE:

R/A NAME: JOHN H QUINN JR

STREET: 2208 S KNOLL ST AR RTN MAIL:

CITY: ARLINGTON STATE: VA ZIP: 22202 2134
R/A STATUS: 4 ATTORNEY EFF. DATE: 10/24/97 LOC: 106
ACCEPTED AR#: 212 14 5571 DATE: 09/11/12 ARLINGTON COUNT
CURRENT AR#: 212 14 5571 DATE: 09/11/12 STATUS: A ASSESSMENT INDICATOR: 0
YEAR FEES PENALTY INTEREST TAXES BALANCE TOTAL SHARES
13 100.00 100.00 5,000
Richmond, April 16, 2004

This is to certify that the certificate of organization of

Engineering Consulting Services - Mid-Atlantic, LLC

was this day issued and admitted to record in this office and that the said limited liability company is authorized to transact its business subject to all Virginia laws applicable to the company and its business. Effective date: April 16, 2004

State Corporation Commission
Attest:

[Signature]
Clerk of the Commission

CIS0431
The State Corporation Commission has found the accompanying articles submitted on behalf of

ECS - Mid-Atlantic, LLC
(formerly known as Engineering Consulting Services - Mid-Atlantic, LLC)

to comply with the requirements of law, and confirms payment of all required fees. Therefore, it is ORDERED that this

CERTIFICATE OF AMENDMENT

be issued and admitted to record with the articles of amendment in the Office of the Clerk of the Commission, effective August 5, 2004.

STATE CORPORATION COMMISSION

By  
Commissioner
<table>
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<td>STATE:</td>
<td>VA VIRGINIA</td>
<td>MERGER INDICATOR:</td>
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<td>CITY:</td>
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<td>REGISTERED AGENT INFORMATION:</td>
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<tr>
<td>STREET:</td>
<td>14026 THUNDERBOLT PL STE 100</td>
<td>R/A STATUS: 2 O/D OF CORP M/M</td>
<td>Eff DATE: 04/16/04</td>
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<tr>
<td>CITY:</td>
<td>CHANTILLY</td>
<td>STATE: VA ZIP: 20151-0000</td>
<td>YEAR FEES PENALTY INTEREST BALANCE:</td>
</tr>
</tbody>
</table>

(Screen Id:/LLC_Data_Inquiry)
Commonwealth of Virginia

STATE CORPORATION COMMISSION

Richmond, June 23, 1998

This is to Certify that the certificate of incorporation of EEE Consulting, Inc.
was this day issued and admitted to record in this office and that the said corporation is authorized to transact its business subject to all Virginia laws applicable to the corporation and its business. Effective date:

June 23, 1998

State Corporation Commission

William J. Bridge
Clerk of the Commission
CORPORATE DATA INQUIRY

CORP ID: 0504941 - 6 STATUS: 00 ACTIVE STATUS DATE: 08/04/04
CORP NAME: EEE CONSULTING, INC.

DATE OF CERTIFICATE: 06/23/1999 PERIOD OF DURATION: INDUSTRY CODE: 00
STATE OF INCORPORATION: VA VIRGINIA STOCK INDICATOR: S STOCK
MERGER IND: CONVERSION/DOMESTICATION IND:
GOOD STANDING IND: Y MONITOR INDICATOR:
CHARTER FEE: 700.00 MON NO:
R/A NAME: CT CORPORATION SYSTEM MON STATUS: MONITOR DTE:

STREET: 4701 COX RD STE 301
CITY: GLEN ALLEN STATE : VA ZIP: 23060
R/A STATUS: 5 B.E. AUTH IN VI EFF. DATE: 05/15/12 LOC: 143
ACCEPTED AR#: 213 52 4464 DATE: 05/24/13 HENRICO COUNTY
CURRENT AR#: 213 52 4464 DATE: 05/24/13 STATUS: A ASSESSMENT INDICATOR: 0
YEAR FEES PENALTY INTEREST TAXES BALANCE TOTAL SHARES
13 100.00

(Screen Id:/Corp_Data_Inquiry)
This is to certify that the certificate of organization of

Hassan Water Resources, PLC

was this day issued and admitted to record in this office and that the said limited liability company is authorized to transact its business subject to all Virginia laws applicable to the company and its business. Effective date: July 16, 2007

State Corporation Commission
Attest:

[Signature]
Clerk of the Commission
LLC ID: 8229328 - 2  STATUS: 00 ACTIVE  STATUS DATE: 07/16/07
LLC NAME: Hassan Water Resources, PLC

DATE OF FILING: 07/16/2007  PERIOD OF DURATION:  INDUSTRY CODE: 70
STATE OF FILING: VA VIRGINIA  MERGER INDICATOR:
CONVERSION/DOMESTICATION INDICATOR:
PRINCIPAL OFFICE ADDRESS
STREET: 2255 PARKERS HILL DR
CITY: MAIDENS  STATE: VA ZIP: 23102-0000
REGISTERED AGENT INFORMATION
R/A NAME: GAMAL E HASSAN
STREET: 2255 PARKERS HILL DR
CITY: MAIDENS  STATE: VA ZIP: 23102-0000
R/A STATUS: 1 MEMBER/MANAGER  EFF DATE: 05/04/10 LOC: 137 Goochland COUNTY
YEAR FEES PENALTY INTEREST BALANCE
13 50.00

(Screen Id:/LLC_Data_Inquiry)
DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA
9960 Mayland Dr., Suite 400, Richmond, VA 23233
Telephone: (804) 367-8500

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

GA & FC WAGMAN INC
3290 NORTH SUSQUEHANNA TRAIL
YORK, PA 17406-9754

Alteration of this document, use after expiration, or use by persons or firms other than those named may result in criminal prosecution under the code of Virginia.

Gordon N. Dixon, Director

(SEE REVERSE SIDE FOR NAME AND/OR ADDRESS CHANGE)

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
9960 Mayland Dr., Suite 400, Richmond, VA 23233

Alteration of this document, use after expiration, or use by persons or firms other than those named may result in criminal prosecution under the code of Virginia.
Details of license number 2701015887

Name: GA & FC WAGMAN INC
License Number: 2701015887
License Description: Contractor Class A
Business Type: Corporation
Address: 3290 NORTH SUSQUEHANNA TRAIL YORK, PA 17406
Specialties/Classifications:
- Highway / Heavy (H/H)
Initial Certification Date: 1976-10-29
Expiration Date: 2015-01-31

No Open Complaints

"Open Complaints" reflect only those complaints against regulants for which a departmental investigation has determined that sufficient evidence exists to establish probable cause of a violation of the law or regulations. Only those cases that have proceeded through an investigation to the adjudication stage are displayed. **State law prohibits the disclosure of any information about open complaints** [Code of Virginia Section 54.1-108]. Members of the public may review official records and obtain copies only after a complaint investigation is closed.

No Closed Complaints

"Closed Complaints" reflect complaints against regulants closed since 1990. Cases closed without disciplinary action are purged after three years in accordance with DPOR's record retention policy.

To inquire about closed complaints, see the department's Public Records Access (http://www.dpor.virginia.gov/recordsanddocuments/) or contact the department's Information Management Section at (804) 367-8583 or pbracollections@dpor.virginia.gov.
BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS
AND LANDSCAPE ARCHITECTS
BUSINESS ENTITY BRANCH OFFICE REGISTRATION

PROFESSIONS: ENG, LS

JOHNSON, MIRIRIAN & THOMPSON, INC.
9201 ARBORETUM PKWY
SUITE 310
RICHMOND, VA 23236
BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS AND LANDSCAPE ARCHITECTS
BUSINESS ENTITY BRANCH OFFICE REGISTRATION

PROFESSIONS: LS, ENG

JOHNSON MIRMIRAN & THOMPSON INC
272 BENDIX ROAD
SUITE 260
VIRGINIA BEACH, VA 23452

Gordon N. Dixon, Director

ALTERATION OF THIS DOCUMENT, USE AFTER EXPIRATION, OR USE BY PERSONS OR FIRMS OTHER THAN THOSE NAMED MAY RESULT IN CRIMINAL PROSECUTION UNDER THE CODE OF VIRGINIA.
Details of license number 0411000440

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<td>0402050114</td>
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Showing 1 to 6 of 6 entries

No Open Complaints

No Closed Complaints

*Open Complaints* reflect only those complaints against licensees for which a departmental investigation has determined that sufficient evidence exists to establish probable cause of a violation of the law or regulations. Only those cases that have proceeded through an investigation to the adjudication stage are displayed. The law prohibits the disclosure of any information about open complaints (Code of Virginia Section 94.1-408). Members of the public may review official records and obtain copies only after a complaint investigation is closed.

To inquire about closed complaints, use the department's Public Records Access or contact the department's Information Management Section at (804) 547-6550 or publicrecords@dpor.virginia.gov.
BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS
AND LANDSCAPE ARCHITECTS
BUSINESS ENTITY REGISTRATION

PROFESSIONS: ENG, LA, ARC, LS

JOHNSON MIRMIWEN & THOMPSON INC
72 LOVETON CIRCLE
SPARKS, MD 21152

ALTERATION OF THIS DOCUMENT, USE AFTER EXPIRATION, OR USE BY PERSONS OR FIRMS OTHER
THAN THOSE NAMED MAY RESULT IN CRIMINAL PROSECUTION UNDER THE CODE OF VIRGINIA.

Gordon N. Dison, Director
Details of license number 0407001314

Name: JOHNSON ARCHWAY & THOMPSON LLC
License Number: 0407001314
License Description: Business Entity Registration
Address: 740 AVENUE CIRCLE
SPARKS, NV 89432
Initial Certification Date: 1983-08-30
Expiration Date: 2013-12-31

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<td>HINNAN, F F</td>
<td>Professional Engineer</td>
<td>2014-09-30</td>
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<td>Professional Engineer</td>
<td>2014-12-31</td>
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<td>2015-09-20</td>
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<td>Professional Engineer</td>
<td>2016-06-20</td>
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<td>2017-03-12</td>
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<td>040700014444</td>
<td>COUSINS, JIM SCOTT</td>
<td>Landscape Architect</td>
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No Open Complaints

*Open Complaints* reflect only those complaints against licensees for which a departmental investigation has determined that sufficient evidence exists to establish probable cause of a violation of the law or regulations. Only those cases that have proceeded through an investigation to the adjudication stage are displayed. State law prohibits the disclosure of any information about open complaints [Code of Virginia Section 54.1-1105]. Members of the public may review official records and obtain copies only after a complaint investigation is closed.

No Closed Complaints

*Closed Complaints* reflect complaints against licensees closed since 1990. Cases closed without disciplinary action are purged after three years in accordance with DPOR's record.
DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

9960 Mayland Dr., Suite 400, Richmond, VA 23233
Telephone: (804) 367-8500

PROFESSIONS: ENG

JOHNSON MIRMIRAN & THOMPSON INC
13921 PARK CENTER RD
HERNDON, VA 20171

Gordon N. Dixon, Director
Details of license number 0411000441

Name: JOHNSON HERWERN & THOMPSON BIC
License Number: 0411000441
License Description: Business Entity Branch Office Registration
Business Name: JOHNSON HERWERN & THOMPSON BIC
Address: 13921 PARK CENTER RD HENDERSON, VA 23173
3060-03-06: 2014-03-28

Related Licensees

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<td>0400330031</td>
<td>WILLIAMS, SCOTT LINDSEY</td>
<td>Land Surveyor License</td>
<td>2013-12-31</td>
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No Open Complaints

*Open Complaints* reflect only those complaints against regulated entities for which a departmental investigation has determined that sufficient evidence exists to establish probable cause of a violation of the law or regulations. Only those cases that have proceeded through an investigation to the adjudication stage are displayed. State law prohibits the disclosure of any information about open complaints (Code of Virginia Section 54-4608). Members of the public may review official records and access copies only after a complaint investigation is closed.

No Closed Complaints

*Closed Complaints* reflect complaints against regulated entities closed since 1995. Cases closed without disciplinary action are purged after three years in accordance with DPOR’s record retention policy.

To inquire about closed complaints, see the department’s Public Records Access or contact the department’s Information Management Section at 804-367-0513 or publicrecords@dpor.virginia.gov.

The information on this page was last updated on 2013-08-28.
BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS
AND LANDSCAPE ARCHITECTS
BUSINESS ENTITY REGISTRATION

PROFESSIONS: ENG

QUINN CONSULTING SERVICES INC
14160 NEWBROOK DR
SUITE 220
CHANTILLY, VA 20151

NUMBER: 0407003733

EXPIRES ON: 12-31-2013

(SEE REVERSE SIDE FOR NAME AND/OR ADDRESS CHANGE)

COMMONWEALTH OF VIRGINIA

BOARD FOR APESCLDLA
BUSINESS ENTITY REGISTRATION
NUMBER: 0407003733 EXPIRES: 12-31-2013
PROFESSIONS: ENG
QUINN CONSULTING SERVICES INC
14160 NEWBROOK DR
SUITE 220
CHANTILLY, VA 20151

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
9960 Mayland Dr., Suite 400, Richmond, VA 23233
Telephone: (804) 367-8500

10010 (7/11) 107329-3
Details of license number 0407003733

Name: QUINN CONSULTING SERVICES INC
License Number: 0407003733
License Description: Business Entity Registration
Address: 14160 NEWBROOK DR SUITE 220 CHANTILLY, VA 20151
Initial Certification Date: 1998-03-05
Expiration Date: 2013-12-31

No Open Complaints

“Open Complaints” reflect only those complaints against regulants for which a departmental investigation has determined that sufficient evidence exists to establish probable cause of a violation of the law or regulations. Only those cases that have proceeded through an investigation to the adjudication stage are displayed. State law prohibits the disclosure of any information about open complaints [Code of Virginia Section 54.1-108]. Members of the public may review official records and obtain copies only after a complaint investigation is closed.

No Closed Complaints

“Closed Complaints” reflect complaints against regulants closed since 1990. Cases closed without disciplinary action are purged after three years in accordance with DPOR's record retention policy.

To inquire about closed complaints, see the department's Public Records Access (http://www.dpor.virginia.gov/recordsanddocuments/) or contact the department's Information Management Section at (804) 367-8583 or publicrecords@dpor.virginia.gov (mailto:publicrecords@dpor.virginia.gov).

The information on this page was last updated on 2013-09-03.
DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

9860 Mayland Dr., Suite 400, Richmond, VA 23233
Telephone: (804) 367-8500

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

PROFESSIONS: ENG

ECS-MID-ATLANTIC LLC
2700 INTERNATIONAL PKWY
SUITE 100
VIRGINIA BEACH, VA 23452-7855

ALTERATION OF THIS DOCUMENT, USE AFTER EXPIRATION, OR USE BY PERSONS OR FIRMS OTHER THAN THOSE NAMED MAY RESULT IN CRIMINAL PROSECUTION UNDER THE CODE OF VIRGINIA.

Gordon N. Dixon, Director

(SEE REVERSE SIDE FOR NAME AND/OR ADDRESS CHANGE)
Details of license number 0411000385

Name: ECS-WO-ATLANTIC LLC
License Number: 0411000385
License Description: Business Entity Branch Office Registration
Business Name: ECS-WO-ATLANTIC LLC
Address: 2700 INTERNATIONAL PKWY SUITE 100 VIRGINIA BEACH, VA 23452
Initial Certification Date: 2004-12-10
Expiration Date: 2018-02-28

Related Licenses

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<thead>
<tr>
<th>License Number</th>
<th>License Holder Name</th>
<th>License Type</th>
<th>License Expiry</th>
</tr>
</thead>
<tbody>
<tr>
<td>0411000385</td>
<td>Gomez, Joe N</td>
<td>Professional Engineer License</td>
<td>2016-07-31</td>
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No Open Complaints

"Open Complaints" reflect only those complaints against regulated entities which have been deemed to have sufficient evidence to establish probable cause of a violation of the law or regulations. Only those cases that have proceeded through an investigation to the adjudication stage are displayed. State law prohibits the disclosure of any information about open complaints (Code of Virginia Section 54.1-100). Members of the public may review official records and obtain copies only after a complaint investigation is closed.

No Closed Complaints

"Closed Complaints" reflect complaints against regulated entities closed since 1990. Cases closed without disciplinary action are purged after three years in accordance with DPOR's record retention policy.

To inquire about closed complaints, see the department's Public Records Access or contact the department's Information Management Section at (804) 367-5063 or publicrecords@dpor.virginia.gov.

The information on this page was last updated on 2013-08-25.
DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

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

PROFESSIONS: ENG

EEE CONSULTING INC
8525 BELL CREEK RD
MECHANICSVILLE, VA 23116

(SEE REVERSE SIDE FOR NAME AND/OR ADDRESS CHANGE)
Details of license number 0407003798

<table>
<thead>
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<td>0407003798</td>
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<td>MUTUL, MACA MARY SHERA</td>
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<td>2014-01-31</td>
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<td>0407003792</td>
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<td>0407003793</td>
<td>SWANSON, CHRISTOPHER JAMES</td>
<td>Professional Engineer License</td>
<td>2015-06-30</td>
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Showing 1 to 4 of 4 entries.
DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

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

PROFESSIONS: ENG

HASAN WATER RESOURCES PLC
HWR
2255 PARKERS HILL DRIVE
MAIDENS, VA 23102-2244

ALTERATION OF THIS DOCUMENT, USE AFTER EXPIRATION, OR USE BY PERSONS OTHER THAN THOSE NAMED MAY RESULT IN CRIMINAL PROSECUTION UNDER THE CODE OF VIRGINIA.

(SEE REVERSE SIDE FOR NAME AND/OR ADDRESS CHANGE)
Details of license number 0413000209

License Number: 0413000209
Date of Issue: 2009-07-06
Date of Expiry: 2013-12-31
License Type: Professional Engineer License
License Holder Name: HASSAN, AMIN ABDEL

No Open Complaints

No Closed Complaints

Disclaimer: The information on this page was last updated on 2015-09-25.
SECTION 4.2.6
WORK HISTORY FORMS
ATTACHMENT 4.2.6(A)
ATTACHMENT 4.2.6(B)
LEAD CONTRACTOR WORK HISTORY FORM
ATTACHMENT 4.2.6(a)
**ATTACHMENT 4.2.6(a)**

**LEAD CONTRACTOR - WORK HISTORY FORM**

(LIMIT 1 PAGE PER PROJECT)

<table>
<thead>
<tr>
<th>a. Project Name &amp; Location</th>
<th>b. Name of the prime design consulting firm responsible for the overall project design.</th>
<th>c. Contact information of the Client or Owner and their Project Manager who can verify Firm’s responsibilities.</th>
<th>d. Contract Completion Date (Original)</th>
<th>e. Contract Completion Date (Actual or Estimated)</th>
<th>f. Contract Value (in thousands)</th>
<th>g. Dollar Value of Work Performed by the Firm identified as the Lead Contractor for this procurement (in thousands)</th>
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<tbody>
<tr>
<td>Susquehanna River Bridge</td>
<td>Figg Engineering</td>
<td>PA Turnpike</td>
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<td>$32,781,000.00</td>
<td>$34,801,000.00</td>
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<tr>
<td>Harrisburg, PA</td>
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<td>Phone: 717.939.9551</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Project Manager: John Ozimok</td>
<td>Phone: 717.939.9551 Ext 5501</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Email: <a href="mailto:jozimok@paturnpike.com">jozimok@paturnpike.com</a></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.

Wagman was part of a joint venture that constructed dual 5,700-foot long bridges over the Susquehanna River in Harrisburg, PA. The project will provide 6 lanes of traffic for the Pennsylvania Turnpike patrons, replacing an outdated structure. The structure as built with the use of a stone causeway with temporary bridges to allow water flow. The causeway was installed halfway across the river, and then relocated to build the second half of the structure. Wagman re-designed the causeway to minimize environmental impacts and reduce the overall footprint of the causeway. The structure included 78 piers on drilled shafts within sheet pile cofferdams ranging in height from 35 feet to 75 feet. On the eastern shore of the river the bridge crossed an active Amtrak line that we had to protect and maintain train traffic. On an island in the middle of the river, we had to work around native American artifacts that were uncovered. We worked with the Turnpike Commission to minimize impacts to the artifacts and impacts to the project schedule. When the bridge was completed it became the 17th bridge structure that Wagman has constructed over the Susquehanna River.

<table>
<thead>
<tr>
<th>Similar Scope Elements to Route 35 Bridge Replacement project</th>
<th>Lessons Learned</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bridge Construction over a river</td>
<td>• Coordination with Amtrak</td>
</tr>
<tr>
<td>Causeways construction, manipulation and removal</td>
<td>• Environmental permit modifications to minimize impacts</td>
</tr>
<tr>
<td>Environmental compliance</td>
<td>• Working from a causeway with fluctuations in water levels due to storm events</td>
</tr>
<tr>
<td></td>
<td>• Archeological coordination</td>
</tr>
<tr>
<td></td>
<td>• Complex foundations in rock</td>
</tr>
</tbody>
</table>
**LEAD CONTRACTOR - WORK HISTORY FORM**

(LIMIT 1 PAGE PER PROJECT)

<table>
<thead>
<tr>
<th>a. Project Name &amp; Location</th>
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<th>f. Contract Value (in thousands)</th>
<th>g. Dollar Value of Work Performed by the Firm identified as the Lead Contractor for this procurement (in thousands)</th>
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</table>
| Youghiogheny River Bridge Replacement | Gannett Fleming | Name of Client/Owner: PADOT  
Phone: 724.439.7137  
Project Manager: Bill Kovach  
Phone: 724.439.7137  
Email: wkovach@state.pa.us | 12/15/06 | 12/15/06 | $25,381,000.00 | $25,699,000.00 |
| Fayette County, PA | | | | | | |

b. 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 project involved construction of a 1500-ft long steel bridge over the Youghiogheny River in Southwest Pennsylvania. This section of the river is managed as a reservoir and the water levels vary as much a 40-ft over the course of a year. Wagman was responsible for the Design and Construction of the bridge and through innovation we were able to eliminate multiple piers within the river to minimize cost and environmental impacts. When the water levels were high we would access most of the project with floating equipment and when the water was low we installed a causeway. Piers were constructed using 9-ft diameter caissons in over 75 – 80 ft. of water with 8-ft diameter columns above the high water level; pier caps connected the columns. Structural steel was erected from barges. Roadway approaches had to be widened and reconstructed to allow for a wider structure. Fills were widened and rock slope protection was placed on the upstream side of the new fill. Drainage was reconstructed to accommodate the new roadway and structure and utilizes were relocated across the new bridge to allow uninterrupted service. We were required to remove the existing structure which consisted of steel beams and steel trusses and piers were removed with explosives and the rubble became fish habitat per the environmental permit.

**Similar Scope Elements to Route 35 Bridge Replacement project**

- Bridge construction over a river
- Environmental compliance
- DB coordination on bridge design
- Work within environmentally sensitive flood control
- Quality control
- Explosive demolition
- Ready mix concrete production
- Floating construction
- Large Caisson construction

**Lessons Learned**

- Complex Geotechnical foundations
- High water fluctuation due to storm events and managed flood control
- Explosive demolition
- Ready Mix Concrete Production
- Large Caisson construction
- Floating Construction
## ATTACHMENT 4.2.6(a)

### LEAD CONTRACTOR - WORK HISTORY FORM

**[LIMIT 1 PAGE PER PROJECT]**

<table>
<thead>
<tr>
<th>a. Project Name &amp; Location</th>
<th>b. Name of the prime design consulting firm responsible for the overall project design.</th>
<th>c. Contact information of the Client or Owner and their Project Manager who can verify Firm’s responsibilities.</th>
<th>d. Contract Completion Date (Original)</th>
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<tr>
<td>Salisbury Bypass Phase II – Wicomico River Bridge</td>
<td>Name: Salisbury Bypass Phase II – Wicomico River Bridge</td>
<td>Name of Client/Owner: Maryland SHA</td>
<td>10/14/02</td>
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<td>$6,681,000.00</td>
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<tr>
<td>Location: Salisbury MD</td>
<td>Name: Whitney Baily Cox and Magnani</td>
<td>Phone: 410.677.4000</td>
<td>Project Manager: Donnie Drewer</td>
<td>Phone: 410.677.4006</td>
<td>Email: <a href="mailto:ddrewer@sha.md.us">ddrewer@sha.md.us</a></td>
<td></td>
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</tbody>
</table>

**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.**

Wagman constructed the bridge structures on the Salisbury Bypass Phase II. The main structure was a dual bridge across the Wicomico river in Salisbury MD. Due to environmental impacts the new bridges were to be constructed from a trestle bridge. All pile driving, substructure concrete, beam erection and deck placement was completed from the temporary bridge. Wagman was responsible for the design and construction of the temporary structure. During planning for bridge construction we identified that the original design created a large environmental impact to the wetlands and Wicomico floodplain. Through a partnership with Maryland SHA and the local district we proposed the re-design the bridge structure to lengthen the bridge and get the bridge abutments outside of the floodplains. Maryland SHA responded favorably to our proposition and we worked together to re-design the bridge and eliminate or minimize impacts to the flood plain and wetlands. The Army Corps of Engineers awarded the project an environmental award for the effort. This project also received the Maryland Quality Initiative award for best Large Project. The Wicomico River is a slow moving with a deep channel but wide floodplains, because the river overflows its banks with any major storm event.

### Similar Scope Elements to Route 35 Bridge Replacement project

<table>
<thead>
<tr>
<th>Bridge Construction over a river</th>
<th>Environmental Compliance</th>
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<tr>
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<table>
<thead>
<tr>
<th>DB Coordination on bridge re-design</th>
<th>Geotechnical Challenges</th>
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<tr>
<td>X</td>
<td>X</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Permit modification to minimize environmental impacts</th>
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</thead>
<tbody>
<tr>
<td>X</td>
</tr>
</tbody>
</table>

### Lessons Learned

- Driving 24-inch pile
- Environmental permit modifications to minimize impacts
- Limited access for construction
- High water fluctuation due to storm events
LEAD DESIGNER WORK HISTORY FORM
ATTACHMENT 4.2.6(B)
The Skanska/Facchina/JMT Design-Build Team was selected by the District Department of Transportation (DDOT) for this stipulated sum D-B Project of $260M project in DC (the largest construction project in DDOT history). JMT was the Lead/Prime Designer and the design work was performed from Headquarters in Sparks, MD, Virginia Offices (Herndon & Richmond) and Washington, DC Project office.

The engineer’s original estimate for this project was $460M (including initial and ultimate design); due to budget constraints, DDOT used the D-B procurement method to maximize project completion of existing bridges, and interchange modifications. The ultimate portion of the project not built within the stipulated sum of $260M will be advertised as a separate contract and is valued at approx. $80M. By utilizing innovative design in revising the planning document alignments and interchanges to reduce cost, and environmental/community impacts to save substantial construction cost, JMT’s initial design and ultimate design total construction value is approx. $340M resulting in a $120M savings to DDOT from the original engineer’s estimate. This project includes three new major continuous steel multi-girder bridge crossings of the Anacostia River and two complex interchanges with the Southeast Freeway and Anacostia Freeway (I-295). These bridges include a 5-span 866 ft. long bridge, a 5-span 926 ft. long bridge and a 10-span 1,650 ft. long bridge. Spans range up to 234 ft. for the main span over the Anacostia River. Several existing bridges are being rehabilitated for use in the new interchanges. JMT is providing the full range of technical services which include: highway and structural design; field surveys; subsurface utility investigations; traffic analysis/highly complex MOT plans for various phases of construction; utility coordination; design of utility relocation; drainage, EIS and SWM; environ. permitting and monitoring/compliance programs; geotechnical engineering; hazardous materials and other environ. investigations; landscaping; and construction administration services.

The Anacostia Bridges and Interchanges project not built within the stipulated sum of $260M will be advertised as a separate contract and is valued at approx. $80M. By utilizing innovative design in revising the planning document alignments and interchanges to reduce cost, and environmental/community impacts to save substantial construction cost, JMT’s initial design and ultimate design total construction value is approx. $340M resulting in a $120M savings to DDOT from the original engineer’s estimate. This project includes three new major continuous steel multi-girder bridge crossings of the Anacostia River and two complex interchanges with the Southeast Freeway and Anacostia Freeway (I-295). These bridges include a 5-span 866 ft. long bridge, a 5-span 926 ft. long bridge and a 10-span 1,650 ft. long bridge. Spans range up to 234 ft. for the main span over the Anacostia River. Several existing bridges are being rehabilitated for use in the new interchanges. JMT is providing the full range of technical services which include: highway and structural design; field surveys; subsurface utility investigations; traffic analysis/highly complex MOT plans for various phases of construction; utility coordination; design of utility relocations; drainage, EIS and SWM; environ. permitting and monitoring/compliance programs; geotechnical engineering; hazardous materials and other environ. investigations; landscaping; and construction administration services.

This project will allow better regional connections and provide drivers with easier accessibility to DC neighborhoods. Bridges will connect the Anacostia and Southeast Freeways, adding new traffic movements. These new bridges will replace deficient infrastructure and will provide alternative routes in and out of the nation's capital. The major improvements include:

- An at-grade intersection will be provided at O and 11th Streets in front of the Navy Yard to promote and invite people to the river.
- Enhancements will be made to the M and N Street intersections with 11th Street and the inbound Southeast Boulevard will be connected to 11th Street at grade.
- A new ramp connection will be provided from the regional roadway network to M St. and the existing ramp from the inbound regional roadway to I St. will be maintained using the existing flyover.
- New connections from I Street to the regional roadway network will be provided at the intersection with Southeast Boulevard (Ramp D-3) and at the intersection with M Street.
- A continuous connection for local traffic is provided from the intersection of 11th St. and Good Hope Rd. on the Anacostia side of the river to the intersection of 11th and I Streets on the Capitol Hill side of the river.
- On the Anacostia side of the river, a modified diamond interchange will provide full access to the Anacostia Freeway from 11th Street.
- Access to the park is provided by the proposed Park Access Road.
- The proposed river crossing bridge will be 4 lanes, two in each direction. This newly constructed river bridge will also provide a 16-foot shared use path for pedestrian and bicycle traffic connecting both sides of the river and connecting to the Anacostia Park along the Park Access Road.

Recently, DC officials celebrated a major milestone on this project by holding a ribbon cutting ceremony to mark the completion of the new river crossing freeway bridges, which for the first time, a seamless connection between the Southeast-Southwest Freeway and the Anacostia Freeway near the U.S. Capitol was realized. Project representatives from JMT joined DC Mayor Vincent Gray and other elected officials, as well as our D-B contracting partners from the Contractors Team, to commemorate the completion of the first phase. The entire project is expected to open by the summer of 2015 and will include lanes for local and through traffic, a shared pedestrian/bicycle pathway, and space for future transit considerations.

### Similar Scope Elements to Route 395 Bridge Replacement project

<table>
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<tr>
<th>Design-Build Project</th>
<th>X</th>
<th>Geotechnical Challenges</th>
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<tbody>
<tr>
<td>Road Design and Construction</td>
<td>X</td>
<td>QA/QC</td>
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<td>Bridge Design and Construction (In Stream)</td>
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<td>Public Involvement/Relations</td>
<td>X</td>
</tr>
<tr>
<td>Utility Relocation and Coordination</td>
<td>X</td>
<td>Project Management</td>
<td>X</td>
</tr>
</tbody>
</table>

### Lessons Learned

- Independent QA/QC extremely valuable to both VDOT and D-B team by promoting objectivity throughout the entire process.
- Developed alternate phased MOT plan to maintain 2 way traffic through the work zone and to accommodate emergency responders within the project limits without disrupting traveling public.
- Gained valuable VDOT Design-Build experience working on one of the first D-B projects advertised by the Innovative Project Delivery Division.
The Federal Highway Administration-Eastern Federal Lands Highway Division (EFLHD) as the representative for the District Department of Transportation (DDOT) selected the team of Cherry Hill Construction (CHC) and Johnson, Mimran and Thompson (JMT) for this challenging $10.9M design-build project in northeastern Washington, D.C. JMT was the prime designer of the below described project and performed the work out of their Sparks, Maryland office.

The structure carries Taylor Street over Brookland Avenue as well as WMATA and CSXT tracks. The existing bridge was a five-span structure originally constructed in 1939 and rehabilitated in 1968 and 1983. The bridge carried 4-lanes of traffic and two (2) sidewalks with an overall width of 61 feet 8 inches. The superstructure was a combination of steel box girders, steel beam girders and concrete T-beam girders with plate steel enclosures along the fascia overhangs. The substructure included both piling and spread footing foundation conditions and hybrid abutments.

CHC/JMT developed an innovative and cost effective solution for this project as part of the preparation for the Technical and Price Proposals. After reviewing the information presented in the RFP, CHC/JMT enhanced the Government’s proposed evaluation factor to be 300% of the base bid. The team approached the bidding and planning phase of the project by understanding the need to meet a number of key issues such as AASHTO LRFD, EFLHD and DDOT criteria and requirements. All design and construction efforts were fully coordinated with the EFLHD, DDOT, WMATA, CSXT, Advisory Neighborhood Committees, DCWASA, Pepco, and various DC Divisions and Administrations including, Transportation Operations, Traffic Safety, Traffic Signal, Street Lighting, Department of the Environment, and Infrastructure Project Management. CHC/JMT provided the project team with a project office at a central location to facilitate daily coordination with all stakeholders. The EFLHD as the Representative for the DDOT selected the team of Cherry Hill Construction (CHC) and Johnson, Mimran and Thompson (JMT) for this challenging $10.9M design-build project in northeastern Washington, D.C.

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- A complete new bridge consisting of driven H-Pile foundations, MSE walls with architectural treatment, cast-in-place footings, abutments, and piers, fabricated structural steel girders comprised of Grade 50 webs and Grade 70 flanges, cast-in-place superstructure including bridge deck, parapets, and approach slabs.
- Semi-integral abutments to eliminate end dam expansion joint conditions and increase bridge design life.
- Single pier built outside Railroad right-of-way to facilitate future maintenance and/or improvements.
- Eliminating an existing pier that restricted turning movements of vehicles utilizing Puerto Rico Avenue.
- Replacement of the failing retaining wall along Puerto Rico Avenue with a precast gravity wall containing integral aesthetic treatment without affecting the foundations of adjacent private residences.
- Developed a creative bridge streetscape arrangement to accentuate the aesthetic value of individual bridge components.
- MSE walls utilizing architectural stone form liner pattern and precast coping/parapet sections.
- Long approach slabs to improve the smoothness of the riding surface at the bridge abutment interface.
- Highly engineered demolition and shielding to facilitate demolition of the complex existing structure.
- New traffic signals at the Taylor Street/Puerto Rico Avenue intersection.
- Bridge replacement performed under multiple traffic control phases to accommodate an ADT of 18,000 commuters, local businesses and local community residents throughout the entire project duration.
- A project completion schedule of 630 calendar days, 100 days less than required.

### Lessons Learned
- Extensive Maintenance of Traffic plans dealing with high traffic volume in an urbanized area.
- Extensive Railroad Coordination and proactive approach to mitigating impacts.
- Interactive coordination with all utilities and specifically with DC Water and Sewer Authority.
- Stormwater Management (SWM) challenges to meet SWM regulations within the limited Right of Way available.
ATTACHMENT 4.2.6(b)

**LEAD DESIGNER - WORK HISTORY FORM**

(LIMIT 1 PAGE PER PROJECT)

<table>
<thead>
<tr>
<th>a. Project Name &amp; Location</th>
<th>b. Name of the prime/ general contractor responsible for overall construction of the project.</th>
<th>c. Contact information of the Client and their Project Manager who can verify Firm’s responsibilities.</th>
<th>d. Construction Contract Completion Date (Original)</th>
<th>e. Construction Contract Completion Date (Actual or Estimated)</th>
<th>f. Contract Value (in thousands)</th>
<th>g. Design Fee for the Work Performed by the Firm identified as the Lead Designer for this procurement (in thousands)</th>
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<tbody>
<tr>
<td>Fairfax County Parkway (Route 7100) Design Build</td>
<td>Cherry Hill Construction, Inc.</td>
<td>Name of Client: Federal Highway Administration - Eastern Federal Lands Highway Division</td>
<td>Phases I/II December 2010</td>
<td>Phases I/II September 2010 (Actual)</td>
<td>$85,472</td>
<td>$112,500 Increase due to addition of Phase IV (Actual)</td>
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<tr>
<td>Location: Fairfax County, VA</td>
<td></td>
<td>Phone: 703.404.6217</td>
<td></td>
<td>Phase IV July 2010 (Actual)</td>
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<td>$11,538</td>
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<tr>
<td></td>
<td></td>
<td>Project Manager: Robert A. Morris, PE</td>
<td></td>
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</tr>
<tr>
<td></td>
<td></td>
<td>Email: <a href="mailto:robert.morris@dot.gov">robert.morris@dot.gov</a></td>
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<td></td>
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</tr>
</tbody>
</table>

**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 Design-Build (D-B) Team of Johnson, Mirrnan & Thompson, Inc. (JMT) and Cherry Hill Construction, Inc. (CHC) was selected as the best value team for the Fairfax County Parkway (FCP) project by the Federal Highway Administration’s Eastern Federal Lands Highway Division (EFLHD), Virginia Department of Transportation (VDOT) and U.S. Army Garrison Fort Belvoir.

JMT, as prime designer performed the engineering from their Richmond, Virginia office. and was responsible for complete design of project including work in the following disciplines: highway, structural, water resources, traffic, multipurpose trail, lighting designs, surveys, utility designations, subsurface utility engineering, geotechnical engineering, environmental analysis and permitting.

The 4-lane divided limited access highway on new location completes the missing connection of FCP to I-95. The project corridor begins at Rolling Road/Franconia-Springfield Parkway and proceeds southeastward on a new alignment and ends just east of Fullerton Road and includes new interchanges at Boudinot Drive and at the new Fort Belvoir Engineering Proving Ground (EPG) Access Road (Barta Road). The work involved in the parkway extension includes design of: highway and interchange ramps, bike paths, six new bridges and one bridge widening, retaining walls, noise walls, box culverts, sign structures, grading, drainage, storm water management, erosion and sediment control, landscaping, traffic analysis, traffic simulation, traffic signals, signing and striping, dynamic message signing, lighting and pavement marking as well as maintenance of traffic and a Type C Transportation Management Plan for a complicated construction detouring scheme. The project also included special coordination requirements with Fort Belvoir environmental staff due to the presence of contaminated soil/groundwater and the possibility of unexploded ordnance on the site as well as environmental permitting with the USACE for the Accotink Creek bridge construction. In addition, the project included widening of southbound I-95 to accommodate a new exit lane. The project had an extremely aggressive 750 calendar day schedule.

During the bidding process, JMT prepared alternate technical concepts that improved the overall project design and reduced the cost. The JMT/Cherry Hill Construction team was selected based on the alternate technical concepts prepared by JMT and the overall best value that our team’s proposal offered to EFLHD.

**Lessons Learned**

- Coordinated the mitigation and processing of design waivers and exceptions from previously approved CTB plans, allowing the project to remain within boundaries established by the MOA between project stakeholders (VDOT, EFLHD, US Army, and Fairfax County) and keeping the commitments of the ROD.
- Designed significant profile revisions to minimize surplus material, thereby avoiding impacts to HAZMAT and UXO’s, and reducing construction traffic on the local road network.
- Conducted extensive coordination process to satisfy the varying and diverse needs of the major stakeholders.
- Extensive Public Relations Campaign and Partnering Approach to Project was Key to Successful Implementation of a Year Long Detour of Existing Ramp
- Rapidly accommodated multiple owner options into the plans while maintaining the design and construction schedules.

- Reduced the amount of soil and rock excavation by also raising Boudinot Drive.
- Minimized the disturbance of contaminated material by placing embankment over the Central Motors site.
- Resulted in a balanced earthwork project significantly reducing project cost.
SECTION 4.2.7
CONCEPTUAL ROADWAY 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.
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE 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.

Additional easements for utility relocations may be required beyond the proposed right-of-way shown on these plans.

--- Utility Owners ---

Dominion Virginia Power
Ms. Gaylene Watson
1600 Hamilton Ave.
Portsmouth, VA 23707-3528
757-393-3824

Verizon South Inc.
Richmond, VA 23322
P.O. Box 39

Department of Public Utilities
17287 Pittman Rd.
Director of Public Utilities
757-654-6024
Gaylene 757-393-3824

--- Construction Baseline ---

1 Std. DI-13 Type 1
L=10'-8", H=2.5', Inv. = 21.05
St'd. IS-1 Req'd.
31'-15" Pipe Req'd.
Inv. (In) 21.05 Inv. (Out) 9.20
PI Method II Req'd.
Std. ES-2 End Section Req'd.
5 Tons Erosion Control Stone
EC-1 Class 1 Type A Installation Req'd.

--- Drainage Description ---

St'd. GR-2A Req'd.
Length = 100'

--- VDOT (Division) or Co. Name ---

JJ PEANUT COMPANY
Tax# 60-29004

--- Scale ---

1" = 200'
PROJECT: ROUTE 35
STATE: VA.
ROUTE: VA.
PROJECT: UNFINISHED

STA = 28+45.00
EL = 22.04

L = 157.00
K = 116
ex = 0.27'

Proposed Grade
Sta. 27+50.00 Constr. BL
End Proj. 0035-087-112, RW201

Match Exist. Pavement
Normal Crown Slope -2.00%

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.
SECTION 4.2.8
CONCEPTUAL BRIDGE PLANS
TRANSVERSE SECTION

For section over piers use 6 bar longitudinal and space at 2'-7" use 60' bars

Note:
Concrete End Diaphragm

Joint:
- Tooth expansion
  - SB05 or SC05 series
- 10" extension

Section Between Beams:
- Surface to receive:
  - 100% End Entry Beam Waterproofing
  - Full length of opening

Waterproofing Detail:
- See Detail E

Note:
- Epoxy Resin Type EP-3B shall be the prime base coat, and type EP-3T shall be the finish coat. Epoxy Resin materials and coating applications and curing shall be in accordance with Section 416 of the Specifications. Surface preparation, mixing, application, and curing shall be in accordance with Section 416 of the Specifications. The application of sand on the wet surface will not be required.
Route 35 Bridge Replacement
A Design-Build Project
Southampton County, Virginia
From: 0.072 Miles West of Southampton County Line
To: 0.364 Miles West of Southampton County Line

Price Proposal

Proposal Submitted by:

WAGMAN
BRIDGING GENERATIONS • SINCE 1902

State Project No.: (NFO) 0035-087-112, PE-101, RW-201, C-501, B-604
Federal Project No.: BR-087-5(014)
Contract ID Number: C00081457DB57

9.11.2013
ATTACHMENT 4.0.1.2

DESIGN-BUILD PRICE PROPOSAL CHECKLIST

Project Name: Route 35 Bridge Replacement
Contract ID Number: C00081457DB57

Contents of Price Proposal:

☑ Cost Breakdown Summary in whole numbers and Proposal Price in both numbers and words (Attachment 4.3.1)

☑ Total number of Bridge Closure Days (BCDs) in both words and numbers (Attachment 4.3.1)

☑ Price Adjustment Information and Forms for Fuel, Asphalt and Steel, 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))

☑ DBE Requirements Forms (C-111, C-49 and C-112) as applicable (Attachments 4.3.5(a), 4.3.5(b) and 4.3.5(c))

☑ CD-ROM containing the entire Price Proposal in a single cohesive Adobe PDF file
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:

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design Services, LS</td>
<td>$1,065,000.00</td>
</tr>
<tr>
<td>Mobilization (Construction), LS</td>
<td>$485,706.00</td>
</tr>
<tr>
<td>QA/QC (Construction), LS</td>
<td>$540,000.00</td>
</tr>
<tr>
<td>Dismantle and Remove Existing Structure, LS</td>
<td>$335,000.00</td>
</tr>
<tr>
<td>Earthwork, LS</td>
<td>$335,905.00</td>
</tr>
<tr>
<td>Roadway Incidental, LS</td>
<td>$961,244.00</td>
</tr>
<tr>
<td>Bridge (Structures), LS</td>
<td>$5,302,550.00</td>
</tr>
<tr>
<td>Drainage, LS</td>
<td>$90,556.00</td>
</tr>
<tr>
<td>Utilities, LS</td>
<td>$365,000.00</td>
</tr>
<tr>
<td>Environmental Permitting, LS</td>
<td>$171,000.00</td>
</tr>
<tr>
<td>ROW Acquisition, LS</td>
<td>$48,000.00</td>
</tr>
<tr>
<td>All Others Costs, LS</td>
<td>$173,798.00</td>
</tr>
</tbody>
</table>

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): Nine million eight hundred seventy three thousand seven hundred fifty nine and no/100 ($9,873,759.00)

4.3.2 Offeror shall specify the total number of Bridge Closure Days (BCDs) in both numbers and words:

BCDs = Three hundred sixty five (365) days

Signature: [Signature] Date: 9/11/2013


Vendor No.: W002
EXHIBIT 6.3 (c)
ADJUSTMENT FOR FUEL

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

June 30, 2011

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/masteroptionallfuelitems.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 its Price Proposal 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 for 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 Price Proposal 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: 9/11/2013  
Signature: [signature]

Vendor No.: W002
EXHIBIT 6.3(a) 
ADJUSTMENT FOR ASPHALT 

SPECIAL PROVISION FOR ASPHALT MATERIAL PRICE ADJUSTMENT DESIGN-BUILD PROJECTS 

June 30, 2011

In the event the Design-Builder elects to seek adjustment for asphalt 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. If new pay items which contain Asphalt Material are established by Work Order, they will not be subject to Price Adjustment unless specifically designated in the Work Order to be subject to Price Adjustment.

Each month, the Department will publish an average state-wide PG 64-22 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 Contract Division website on or about the first weekday of the following month.

This monthly statewide average price will be the Base Index for all contracts on which bids 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 be the 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. Adjustment of any asphalt material item designated as a price adjustment item which does not contain PG 64-22, except PG 76-22, 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.

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

I elect to use this provision

Date: 9/11/2013
Signature: [Signature]
Vendor No.: W002
COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
PRICE ADJUSTMENT

INSTRUCTIONS - This form is to be completed and returned ONLY when asphalt concrete items are designated for price adjustment on the bid price sheets.

PROJECT NUMBER: NFO 0035-87-112, PE-101, RW-201, C-501, B-604
                C00081457DB57

DISTRICT: Hampton Roads District

Bid Prices in this contract for items containing PG 64-22 asphalt cement were developed using an f.o.b. price of $ 581.50 per IMPERIAL ton for PG 64-22. This quote will be averaged into the monthly price index.

Bid Prices in this contract for items containing PG 76-22 asphalt cement were developed using an f.o.b. price of $ 701.50 (When required by provisions) per IMPERIAL ton for PG 76-22. This quote is project specific.

Price quotes signed by each supplier from which the Design-Builder proposes to obtain PG 64-22 or PG 76-22 shall be maintained by the successful bidder. These quotes shall be retained on site during the life of the Contract for review by the Engineer upon request.

☐ I elect to use this provision
☐ I elect not to use this provision

DATE: 9/11/2013

SIGNATURE: [Signature]

G.A. & F.C. Wagman, Inc.
(Firm or Corporation)

W002
(Vendor No.)
EXHIBIT 6.3(d)
ADJUSTMENT FOR STEEL

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

June 30, 2011

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

The Design-Builder will submit their monthly application for payment associated with eligible work packages with an adjustment up or down as appropriate for cost changes in steel used on specific items of work identified in the Price Proposal/contract in accordance with this provision. Provided at the end of this provision is a master listing of standard bid items the Department has determined are eligible for steel price adjustment. Inventoried materials from the listing of eligible items are specifically excluded for consideration. In addition, concrete items where reinforcing steel is normally included in the unit bid price for the item such as (but not limited to) drop inlets, median barriers, sound barrier walls, bridge railings and parapets, are not eligible for consideration under this provision.

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

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

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

Price adjustment of each qualifying item under consideration will be subject to the following condition:

There is an increase or decrease in the cost of eligible steel materials in excess of 10 percent up to a maximum of 60 percent from the Base Price when compared with the latest published price index ("Price Index") in effect at the time material is shipped to the fabricator.
The Price Index the Department is using is based on The U.S. Department of Labor, Bureau of Labor Statistics, Producers Price Index (PPI) which measures the average price change over time of the specific steel eligible item from the perspective of the seller of goods. The Master List table provided at the end of this provision indicates the Producers Price Index (PPI) steel category index items and the corresponding I.D. numbers to which VDOT items will be compared. Please note: The Producers Price Index (PPI) is subject to revision 4 months after original publication, therefore, price adjustments and payments will not be made until the index numbers are finalized.

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

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

\[
A = B \times P \times Q
\]

Where;

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

The need for application of the adjustments herein to extra work will be determined by the Engineer on an individual basis and, if appropriate, will be specified on the Work Order.

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

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

Upon Department review and due process consideration for redress by Design-Builder, any apparent evidence to unbalance the price supplied by Design-Builder in favor of items subject to price adjustment will result in ineligibility for Department participation under this provision.
FORM FOR PRICE ADJUSTMENT FOR ELIGIBLE STEEL ITEMS ON DESIGN-BUILD PROJECTS
Must be supplied with Price Proposal for Department Participation

DATE FOR RECEIPT OF PRICE PROPOSAL  September 11, 2013

Note: All prices (costs) are to include any surcharges on materials quoted. Vendors must include this surcharge with their cost. All prices (costs) are F.O.B. from the originating mill.

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Item Description</th>
<th>Quantity</th>
<th>Unit</th>
<th>Unit Price</th>
<th>Supplier</th>
<th>Date of Quote</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>NONE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

We/I, the undersigned, understand that by supplying prices for the steel items listed above and signing this form we are declaring our desire to apply the Special Provision For Steel Adjustment for Design-Build Projects to this Price Proposal and contract. The terms and conditions for participation are as stated in the Special Provision For Steel Adjustment for Design-Build Projects.

G.A. & F.C. Wagman, Inc.  9-11-2013
Design-Builder  Date
Sample Calculation of a Price Adjustment (increase)


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

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

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

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

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

Adjustment formula is as follows:

\[ A = B \times P \times Q \]

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

\[ B = \$0.2816 \]
\[ P = (161.1 - 139.6)/139.6 - 0.10 = 0.054 \]
\[ Q = 450,000 \text{ lb.} \]

\[ A = 0.2816 \times 0.054 \times 450,000 \]
\[ A = \$6,842.88 \text{ pay adjustment to Design-Builder} \]
Sample Calculation of a Price Adjustment (decrease)


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

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

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

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

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

Adjustment formula is as follows:

\[ A = B \times P \times Q \]

Where:

\[ A = \text{Steel price adjustment in lump sum dollars} \]

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

\[ P = \text{Adjusted percentage change in PPI average from shipping date to date of submitted Price Proposal minus 10% (0.10) threshold} \]

\[ Q = \text{Total quantity of eligible steel shipped to fabricator in October 2004 for this project in pounds} \]

\[ B = \$0.2816 \]

\[ P = \frac{(156.6 - 136.3)}{156.6 - 0.10} = 0.030 \]

\[ Q = 450,000 \text{ lb.} \]

\[ A = 0.2816 \times 0.030 \times 450,000 \]

\[ A = \$3,801.60 \text{ credit to Department} \]
## MASTER LISTING

### STANDARD BID ITEMS ELIGIBLE FOR STEEL PRICE ADJUSTMENT

March 18, 2009

<table>
<thead>
<tr>
<th>ITEM NUMBER</th>
<th>ITEM DESCRIPTION</th>
<th>UNITS</th>
<th>Number WPU used in $ adjust.</th>
</tr>
</thead>
<tbody>
<tr>
<td>00519</td>
<td>SHEET PILE, STEEL</td>
<td>SF</td>
<td>avg. 1017 &amp; 101</td>
</tr>
<tr>
<td>00540</td>
<td>REINF. STEEL</td>
<td>LB</td>
<td>101704</td>
</tr>
<tr>
<td>00542</td>
<td>EPOXY COATED REINF. STEEL</td>
<td>LB</td>
<td>101704</td>
</tr>
<tr>
<td>00560</td>
<td>STRUCTURAL STEEL JB-1</td>
<td>LB</td>
<td>avg. 1017 &amp; 101</td>
</tr>
<tr>
<td>11030</td>
<td>REINF. STEEL BRIDGE APPR. SLAB</td>
<td>LB</td>
<td>101704</td>
</tr>
<tr>
<td>11181</td>
<td>PATCH, HYDR, CEM, CONC. PAVE.</td>
<td>SY</td>
<td>101704</td>
</tr>
<tr>
<td>13290</td>
<td>GUARDRAIL GR-8 (NCHRP 350 TL-3)</td>
<td>LF</td>
<td>avg. 1017 &amp; 101</td>
</tr>
<tr>
<td>13292</td>
<td>GUARDRAIL GR-8A (NCHRP 350 TL-3)</td>
<td>LF</td>
<td>avg. 1017 &amp; 101</td>
</tr>
<tr>
<td>13294</td>
<td>GUARDRAIL GR-8B (NCHRP 350 TL-3)</td>
<td>LF</td>
<td>avg. 1017 &amp; 101</td>
</tr>
<tr>
<td>13310</td>
<td>GUARDRAIL TERMINAL GR-6 (NCHRP 350)</td>
<td>LF</td>
<td>avg. 1017 &amp; 101</td>
</tr>
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I elect to use this provision

☑️ I elect not to use this provision

Date: 9/11/2013

Signature: [Signature]


Vendor No.: W002
SECTION 4.3.3
PROPOSAL GUARANTY
COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
PROPOSAL GUARANTY

KNOW ALL MEN BY THESE PRESENTS, THAT WE G.A. & F.C. Wagman, Inc. As principal, and Western Surety Company as 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 22nd Day of August, 2013

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

PROJECT NUMBER:
C00081457DB57; Route 35 Bridge Replacement, Southampton County, VA State Project #(NFO)0035-087-112, PE-101,RW-210,5-501, B0604;Federal Project #BR-087-5(014)

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.

G.A. & F.C. Wagman, Inc.

Western Surety Company

By: [Signature]  
Senior V.P. of Operations

By: [Signature]  
Principal

By: [Signature]  
Officer, Partner or Owner (Seal)

By: [Signature]  
Principal

By: [Signature]  
Officer, Partner or Owner (Seal)

*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 APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men By These Presents, That WESTERN SURETY COMPANY, a South Dakota corporation, is a duly organized and existing corporation having its principal office in the City of Sioux Falls, and State of South Dakota, and that it does by virtue of the signature and seal herein affixed hereby make, constitute and appoint

James R Gould, Joseph G Buyakowski, Alson O Wolcott Jr, Eugene M Fritz, Patricia C Robinson, Kathy R Reisinger, Donald R Wert, Deborah L Cottom, Individually

of Mechanicsburg, PA, its true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred to sign, seal and execute for and on its behalf bonds, undertakings and other obligatory instruments of similar nature

- In Unlimited Amounts -

and to bind it thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of the corporation and all the acts of said Attorney, pursuant to the authority hereby given, are hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the By-Law printed on the reverse hereof, duly adopted, as indicated, by the shareholders of the corporation.

In Witness Whereof, WESTERN SURETY COMPANY has caused these presents to be signed by its Vice President and its corporate seal to be hereto affixed on this 12th day of November, 2012.

WESTERN SURETY COMPANY

Paul T. Bruffat, Vice President

State of South Dakota

County of Minnehaha

On this 12th day of November, 2012, before me personally came Paul T. Bruffat, to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota; that he is the Vice President of WESTERN SURETY COMPANY described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed pursuant to authority given by the Board of Directors of said corporation and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said corporation.

My commission expires

June 23, 2015

CERTIFICATE

I, L. Nelson, Assistant Secretary of WESTERN SURETY COMPANY do hereby certify that the Power of Attorney hereinafore set forth is still in force, and further certify that the By-Law of the corporation printed on the reverse hereof is still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said corporation this 22nd day of August, 2013.

WESTERN SURETY COMPANY

L. Nelson, Assistant Secretary
SECTION 4.3.4
FORM C-104
ATTACHMENT 4.3.4(A)
COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION

PROJECT: 0035-087-112, PE-101, RW-201, C-501, B-604

FHWA: BR-087-5(014)

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 __________________________, this ______ day of ____________, 20 ___

County (City), STATE

__________________________________________
(Name of Firm) By: ____________________________ Title (print)

STATE of ____________________________ COUNTY (CITY) of ____________________________

To-wit: ____________________________

I ___________________________________________ a Notary Public in and for the State and County(City) aforesaid, hereby certify that this day ____________________________ 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 me this __________ day of ____________, 20 ___

My Commission expires ____________________________

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

__________________________________________
(Name of Firm) By: ____________________________ Title (print)

G.A. & F.C. Wagman, Inc.

8710 Mill Road

York, Pennsylvania 17406

Senior V.P. of Operations

Todd E. Becker
COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
AFFIDAVIT

PROJECT: 0035-087-112, PE-101, RW-201, C-501, B-604

FHWA: BR-087-5(014)

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
0035-087-112, PE-101, RW-201

Please see attached

Location of Principal Office
BR-087-5(014)

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

Note: The above certification is required by the Equal Employment Opportunity Regulations of the Secretary of Labor [41 CFR 60-1.7(b)(1)], and must be submitted by bidders and proposed subcontractors only in connection with contracts and subcontracts which are subject to the equal opportunity clause. Contracts and subcontracts which are exempt from the equal opportunity clause are set forth in 41 CFR 60-1.5. (Generally only contracts 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.: C00081457DB57 

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 ________________, this 5th day of __October__, 2013
York (York) Pennsylvania  

G.A. & F.C. Wagman, Inc.  

(Name of Firm)  

STATE of Pennsylvania  

COUNTY (CITY) of York (York)  

By: ___________  

Senior V.P. of Operations  

Title (print)  

To-wit: ___________  

a Notary Public in and for the State and

County(City) aforesaid, hereby certify that this day ___________ 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 5th day of __October__, 2013

My Commission expires __11-3-15__
<table>
<thead>
<tr>
<th></th>
<th>Contractor Associations - G.A. &amp; F.C. Wagman, Inc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>VTCA</td>
</tr>
<tr>
<td></td>
<td>620 Moorefield Park Drive, Suite 120, Richmond, VA 23236-3692</td>
</tr>
<tr>
<td>2</td>
<td>MTBMA</td>
</tr>
<tr>
<td></td>
<td>2408 Pepper Mill Drive, Glen Burnie, MD 21061</td>
</tr>
<tr>
<td>3</td>
<td>ARTBA</td>
</tr>
<tr>
<td></td>
<td>1291 28th Street N.W., Washington, D.C. 20007-3389</td>
</tr>
<tr>
<td>4</td>
<td>APC</td>
</tr>
<tr>
<td></td>
<td>800 North Third Street, Harrisburg, PA 17102</td>
</tr>
<tr>
<td>5</td>
<td>AGC of Maryland</td>
</tr>
<tr>
<td></td>
<td>1301 York Road #202, Lutherville-Tinomium, MD 21093</td>
</tr>
<tr>
<td>6</td>
<td>ACG of the Carolinas</td>
</tr>
<tr>
<td></td>
<td>1100 Euclid Avenue, Charlotte, NC 28203</td>
</tr>
<tr>
<td>7</td>
<td>AGC of NJ</td>
</tr>
<tr>
<td></td>
<td>91 Fieldcrest Avenue, Edison, NJ 08837</td>
</tr>
<tr>
<td>8</td>
<td>UTCA</td>
</tr>
<tr>
<td></td>
<td>1670 Route 34, North Farmingdale, NJ 07727</td>
</tr>
</tbody>
</table>
SECTION 4.3.5
FORMS C-111
ATTACHMENT 4.3.5(A)
**COMMONWEALTH OF VIRGINIA**  
**DEPARTMENT OF TRANSPORTATION**  
**MINIMUM DBE REQUIREMENTS**

**PROJECT NO.**  
0035-087-112, PE-101, RW-201, C-501, B-604

**FHWA NO.**  
BR-087-5(014)

---

**INSTRUCTIONS**

This form can be used by the contractor to submit the names of DBE firms to be utilized on the project. The contractor shall indicate the description of the category (S, M, SP or H) and the type of work that each DBE will perform and the allowable credit per item(s). Additional sheets to show the allowable credit per item may be attached if necessary. **Please Note:** The amount of allowable credit for a DBE supplier is 60% of the total cost of the materials or supplies obtained and 100% for a DBE manufacturer of the materials and supplies obtained. A contractor may count 100% of the fees paid to a DBE hauler for the delivery of materials and supplies to the project site, but not for the cost of the materials and supplies themselves.

**DBE REQUIREMENT**  
12 %

**PERCENT ATTAINED BY BIDDER**  
12.02 %

<table>
<thead>
<tr>
<th>NAMES(S) AND CERTIFICATION NO. OF DBE(S) TO BE USED</th>
<th>USED AS</th>
<th>TYPE OF WORK AND ITEM NO(S)</th>
<th>$ AMOUNT OF ALLOWABLE CREDIT PER ITEM</th>
</tr>
</thead>
<tbody>
<tr>
<td>D.T. Reed Steel Co., Inc. - R440</td>
<td>S-Furnish &amp; Install Rebar</td>
<td>61711, 60452, 62033, 65822, 65200</td>
<td>$570,027.93</td>
</tr>
<tr>
<td>D.T. Reed Steel Co., Inc. - R440</td>
<td>S-Furnish &amp; Install Metal Deck</td>
<td>60404</td>
<td>$89,203.42</td>
</tr>
<tr>
<td>Hassan Water Resources, LLC - DB2010-0061-2013</td>
<td>S-Design</td>
<td>104</td>
<td>$59,680.00</td>
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<tr>
<td>Quinn Consulting Services, Inc. - DB2006-0076-2009</td>
<td>S-Design</td>
<td>104</td>
<td>$255,000.00</td>
</tr>
<tr>
<td>Nickelston Industries, Inc. - N234</td>
<td>S-Quadrall</td>
<td>13373, 13383, 24600</td>
<td>$60,850.00</td>
</tr>
<tr>
<td>Spivey Pavement Markings - 5550</td>
<td>S-Construction Signs</td>
<td>24150</td>
<td>$111,248.00</td>
</tr>
</tbody>
</table>

**TOTAL**  
$1,886,909.35

**TOTAL CONTRACT VALUE**  
$9,873,759.00 x **REQUIRED DBE**  
12 %  
= $1,184,851.08

I/we certify that the proposed DBE(s) submitted will be used on this contract as stated hereon and assure that during the life of the contract, I/we will meet or exceed the participation established hereon by the Department.

**G.A. & F.C. Wagman, Inc.**  
**BIDDER**

**Senior V. P. of Operations**  
**TITLE**

**BY**  
**SIGNATURE**

**9/11/2013**  
**DATE**
COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
DBE GOOD FAITH EFFORTS DOCUMENTATION

--DO NOT DETACH--
THIS INFORMATION MUST BE SUBMITTED
WITH YOUR BID PROPOSAL IF YOUR BID DOES
NOT MEET THE PROJECT DBE REQUIREMENTS,
OR
WHEN REQUESTED BY VDOT

CONTRACT I.D. NUMBER C00081457DB57
PROJECT NUMBER 0035-087-112
FHWA NUMBER BR-087-5(014)
DISTRICT Hampton Roads
DATE BID SUBMITTED 9/11/2013
BIDDER'S NAME C.A. & F.C. Wayman, Inc.
SIGNATURE
TITLE Senior V.P. of Operations
VENDOR NUMBER W002
DBE GOAL FROM BID PROPOSAL 12%

*** Form C-49 not submitted. Design-Build has met the project DBE requirements. Refer to Section 4.35 (a) - C-111 and Section 4.35 (c) - C-112.***
SECTION 4.3.5
C-112
ATTACHMENT 4.3.5(c)
COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
CERTIFICATION OF BINDING AGREEMENT
WITH
DISADVANTAGED BUSINESS ENTERPRISE FIRMS

Project No.: (NFO) 0035-087-112, PE-101, RW-201, C-501, B-604
Federal Project No.: BR-087-5 (014)

This form is to be submitted in accordance with the Department’s Special Provision for Section 107.15.

It is hereby certified by the below signed Contractors that there exists a written quote, acceptable to the parties involved preliminary to a binding subcontract agreement stating the details concerning the work to be performed and the price which will be paid for the aforementioned work. This document is not intended to, nor should it be construed to, contain the entire text of the agreement between the contracting parties. This document does not take the place of, nor may it be substituted for, an official subcontracting agreement in those situations that may require such an agreement. A copy of the fully executed subcontract agreement shall be submitted to the Engineer within fourteen (14) business days after contract execution.

It is further certified that the aforementioned mutually acceptable quote and fully executed subcontract agreement represent the entire agreement between the parties involved and that no conversations, verbal agreements, or other forms of non-written representations shall serve to add to, delete, or modify the terms as stated.

The prime Contractor further represents that the aforementioned mutually acceptable quote and fully executed subcontract agreement shall remain on file for a period of not less than one year following completion of the prime’s contract with the Department or for such longer period as provisions of governing Federal or State law or regulations may require. For purposes of this form, the term Prime Contractor shall refer to any Contractor utilizing a DBE subcontractor, regardless of tier, in which they are claiming DBE credit toward the contract goal.

Contractors further jointly and severally represent that said binding agreement is for the performance of a "commercially useful function" as that term is employed in 49 C.F.R. Part 26.55 (c), (d).

TO BE SIGNED BY THE SUBCONTRACTOR TO THE PRIME CONTRACTOR, AND ANY LOWER TIER SUBCONTRACTORS HAVING A CONTRACT WITH THE BELOW NAMED DBE FIRM

Prime Contractor
G.A. & F.C. Wagman, Inc

By: [Signature]
Todd E. Becker
Senior V.P. of Operations
Title: Senior V.P. of Operations
Date: September 5, 2013

First Tier Subcontractor if Applicable
Johnson, Mirmiran, and Thompson, Inc.

By: [Signature]
Arthelius A Phaup
Vice President
Title: Vice President
Date: September 5, 2013
Second Tier
Subcontractor if Applicable

By: ______________________  Signature: ______________________  Title: ______________________  Date: ______________________

Third Tier
Subcontractor if Applicable

By: ______________________  Signature: ______________________  Title: ______________________  Date: ______________________

DBE Contractor

HAJJAN WATER RESOURCES, PLC

By: ______________________  Signature: ______________________  Title: President  Date: 9/4/2013
COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
CERTIFICATION OF BINDING AGREEMENT
WITH
DISADVANTAGED BUSINESS ENTERPRISE FIRMS

Project No.: (NFO) 0035-087-112, PE-101, RW-201, C-501, B-604

Federal Project No.: BR-087-5 (014)

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TO BE SIGNED BY THE SUBCONTRACTOR TO THE PRIME CONTRACTOR, AND ANY LOWER TIER SUBCONTRACTORS HAVING A CONTRACT WITH THE BELOW NAMED DBE FIRM

Prime Contractor G.A. & F.C. Wagman, Inc.

By: ____________________________
    Signature
    Todd E. Becker

Senior V.P. of Operations

Date: September 5, 2013

First Tier
Subcontractor if Applicable

By: ____________________________
    Signature

Title

Date:
Second Tier
Subcontractor if Applicable

By: ________________  ____________________
      Signature                              Title
      Date: ______________________________________

Third Tier
Subcontractor if Applicable

By: ________________  ____________________
      Signature                              Title
      Date: ______________________________________

DBE Contractor  Quinn Consulting Services, Inc.

By: ________________  ____________________
      Signature                              President
      Date: August 28, 2013  ____________________
COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
CERTIFICATION OF BINDING AGREEMENT
WITH
DISADVANTAGED BUSINESS ENTERPRISE FIRMS

Project No.: (NFO) 0035-087-112, PE-101, RW-201, C-501, B-604
Federal Project No.: BR-087-5 (014)

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TO BE SIGNED BY THE SUBCONTRACTOR TO THE PRIME CONTRACTOR, AND ANY LOWER TIER SUBCONTRACTORS HAVING A CONTRACT WITH THE BELOW NAMED DBE FIRM

Prime Contractor
G.A. & F.C. Wagman, Inc.

By: [Signature]
Todd E. Becker
[Title]
[Date: September 5, 2013]

First Tier
Subcontractor if Applicable

By: [Signature]
[Title]
[Date:]
Second Tier
Subcontractor if Applicable

By: ____________________________
Signature: ____________________________
Date: ____________________________
Title: ____________________________

Third Tier
Subcontractor if Applicable

By: ____________________________
Signature: ____________________________
Date: ____________________________
Title: ____________________________

DBE Contractor

Nickelston Industries, Inc.

By: ______________
Signature: ______________
Date: ______________
Title: ______________

Corporate Secretary

By: ______________
Signature: ______________
Date: ______________
Title: ______________

9-3-13
COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
CERTIFICATION OF BINDING AGREEMENT
WITH
DISADVANTAGED BUSINESS ENTERPRISE FIRMS

Project No.: (NFO) 0035-087-112, PE-101, RW-201, C-501, B-604
Federal Project No.: BR-087-5 (014)

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TO BE SIGNED BY THE SUBCONTRACTOR TO THE PRIME CONTRACTOR, AND ANY LOWER TIER SUBCONTRACTORS HAVING A CONTRACT WITH THE BELOW NAMED DBE FIRM

Prime Contractor
G.A. & F.C. Wagman, Inc.

By: ____________________________
Signature
Todd E. Becker

Senior V.P. of Operations
Title
Date: September 5, 2013

First Tier Subcontractor if Applicable

By: ____________________________
Signature

Title
Date: ____________________________
Second Tier Subcontractor if Applicable

By: ____________________________  Signature ____________________________  Title ____________________________

Date: ____________________________

Third Tier Subcontractor if Applicable

By: ____________________________  Signature ____________________________  Title ____________________________

Date: ____________________________

DBE Contractor

D.T. READ STEEL CO., INC.

By: ____________________________  Signature ____________________________  Title ____________________________

Date: 8/28/2013
COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
CERTIFICATION OF BINDING AGREEMENT WITH
DISADVANTAGED BUSINESS ENTERPRISE FIRMS

Project No.: (NFO) 0035-087-112, PE-101, RW-201, C-501, B-604

Federal Project No.: BR-087-5 (014)

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The prime Contractor further represents that the aforementioned mutually acceptable quote and fully executed subcontract agreement shall remain on file for a period of not less than one year following completion of the prime's contract with the Department or for such longer period as provisions of governing Federal or State law or regulations may require. For purposes of this form, the term Prime Contractor shall refer to any Contractor utilizing a DBE subcontractor, regardless of tier, in which they are claiming DBE credit toward the contract goal.

Contractors further jointly and severally represent that said binding agreement is for the performance of a "commercially useful function" as that term is employed in 49 C.F.R. Part 26.55 (c), (d).

TO BE SIGNED BY THE SUBCONTRACTOR TO THE PRIME CONTRACTOR, AND ANY LOWER TIER SUBCONTRACTORS HAVING A CONTRACT WITH THE BELOW NAMED DBE FIRM

Prime Contractor

G.A. & F.C. Wagman, Inc.

By: _______________   Signature   _______________
   Todd E. Becker
   Date: September 5, 2013
   Title

Senior V.P. of Operations

By: _______________   Signature   _______________
   Date: 
   Title

First Tier
Subcontractor if Applicable

By: _______________   Signature   _______________
   Date: 
   Title
Second Tier Subcontractor if Applicable

By: __________________________ Signature __________________________ Title __________________________
Date: __________________________

Third Tier Subcontractor if Applicable

By: __________________________ Signature __________________________ Title __________________________
Date: __________________________

DBE Contractor

Spivey Pavement Markings

By: __________________________ Signature ____________________________ President __________________________
Date: __________________________