

RESPONSE TO REQUEST FOR PROPOSALS

Rolling Road/Franconia-Springfield Parkway Interchange Improvements

A DESIGN-BUILD PROJECT

FROM: 0.30 MILES WEST OF ROLLING ROAD

TO: 0.34 MILES EAST OF ROLLING ROAD

FROM: 0.21 MILES SOUTH OF FAIRFAX COUNTY PARKWAY

TO: 0.18 MILES NORTH OF FAIRFAX COUNTY PARKWAY

FAIRFAX COUNTY, VIRGINIA

State Project No.: 0286-029-947, PE101, RW201, C501, B623

Contract ID Number: C00100391DB61

LETTER OF SUBMITTAL



SUBMITTED TO:



SUBMITTED BY:



IN ASSOCIATION WITH:



ATTACHMENT 4.0.1.1

ROLLING ROAD/FRANCONIA-SPRINGFIELD PARKWAY INTERCHANGE IMPROVEMENTS

LETTER OF SUBMITTAL AND ATTACHMENTS CHECKLIST

Offerors shall furnish a copy of this Technical Proposal Checklist, with the page references added, with the Technical Proposal.

Technical Proposal Component	Form (if any)	RFP Part 1 Cross Reference	Included within page limit?	Technical Proposal Page Reference
Letter of Submittal and Attachments Checklist	Attachment 4.0.1.1	Section 4.0.1.1	no	1-2
Acknowledgement of RFP, Revisions, and/or Addenda	Attachment 3.6 (Form C-78-RFP)	Sections 3.6, 4.0.1.1	no	3
Letter of Submittal	NA	Sections 4.1		4-5
Letter of Submittal on Offeror's letterhead	NA	Section 4.1.1	yes	4
Offeror's official representative information	NA	Section 4.1.1	yes	4
Authorized representative's original signature	NA	Section 4.1.1	yes	5
Declaration of intent	NA	Section 4.1.2	yes	4
120 day declaration	NA	Section 4.1.3	yes	4
Principal Officer information	NA	Section 4.1.5	yes	4
Final Completion Date	NA	Section 4.1.6	yes	4
Certification Regarding Debarment Forms	Attachment 11.8.6(a) Attachment 11.8.6(b)	Section 4.1.7	no	6-14
Offeror's Qualifications	NA	Section 4.2		
Confirmation that the information provided in the SOQ submittal remains true and accurate or indicates that any requested changes were previously approved by VDOT	NA	Section 4.2.1	yes	15

ATTACHMENT 4.0.1.1

ROLLING ROAD/FRANCONIA-SPRINGFIELD PARKWAY INTERCHANGE IMPROVEMENTS

LETTER OF SUBMITTAL AND ATTACHMENTS CHECKLIST

Technical Proposal Component	Form (if any)	RFP Part 1 Cross Reference	Included within page limit?	Technical Proposal Page Reference
Organizational chart with any updates since the SOQ submittal clearly identified	NA	Section 4.2.1	yes	15
Revised narrative when organizational chart includes updates since the SOQ submittal	NA	Section 4.2.1	yes	15
Disadvantaged Business Enterprises (DBE)	NA	Section 4.1.9		
Written statement of percent DBE participation	NA	Section 4.1.9	yes	5
DBE subcontracting narrative	NA	Section 4.1.9	yes	N/A

ATTACHMENT 3.6

**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION**

RFP NO. C00100391DB61
PROJECT NO.: 0286-029-947, PE101, RW201, C501, B623

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

1. Cover letter of September 3, 2013 – RFP
(Date)

2. Cover letter of November 21, 2013 - Addendum 1
(Date)

3. Cover letter of _____
(Date)



SIGNATURE

12/12/2013

DATE



December 12, 2013

Mr. Stephen D. Kindy, PE
Alternative Project delivery Office
Virginia Department of Transportation
1401 East Broad Street
Richmond, VA 23219

RE: Rolling Road/Franconia-Springfield Parkway Interchange Improvements
From: 0.30 Miles West of Rolling Road To: 0.34 Miles east of Rolling Road
From: 0.21 Miles South of Fairfax County Parkway To: 0.18 Miles North of Fairfax
County Parkway
Fairfax County, Virginia, Contract ID Number C00100391DB61
Section 4.1 - Letter of Submittal

Dear Mr. Kindy:

Shirley Contracting Company, LLC, (Shirley) 8435 Backlick Road, Lorton, Virginia 22079, as the Offeror, is pleased to submit this Letter of Submittal for the Rolling Road/Franconia-Springfield Parkway Interchange Improvements Project (the Project) to the Virginia Department of Transportation (VDOT). Together with Dewberry Consultants, LLC as the Engineer of Record, we will provide VDOT and the traveling public with an unequaled level of assurance that the Project will be completed successfully and will exceed the priorities established.

Offeror's Intent: Should VDOT select Shirley for award of the Rolling Road/Franconia-Springfield Parkway Interchange Improvements Project, Shirley will enter into a contract with VDOT for the Project in accordance with the terms of the Request for Proposal.

Declaration: The offer represented by our Proposal will remain in full force and effect for one hundred twenty (120) days from the date this Proposal is actually submitted to VDOT.

Our point of contact will be:

Mr. Garry A. Palleschi
Vice President
Shirley Contracting Company, LLC
8435 Backlick Road
Lorton, Virginia 22079
(P) 703-550-8100 (F) 703-550-7899
gpalleschi@shirleycontracting.com

The Principal Officer will be:

Mr. Michael E. Post
President/CEO
Shirley Contracting Company, LLC
8435 Backlick Road
Lorton, Virginia 22079
(P) 703-550-8100 (F) 703-550-7899
mpost@shirleycontracting.com

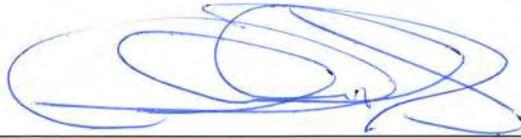
Final Completion Date: The Final Completion Date will be May 16, 2016.

Certification Regarding Debarment: Certification Regarding Debarment Forms are also included as an attachment to this Letter of Submittal.

The proposed project design concept that is included with this Letter of Submittal is fully compliant with the Design Criteria Table included in the RFP Technical Requirements (Part 2 Section 2.3) and all other requirements of this RFP. We certify that the proposed limits of construction include all stormwater management facilities located within the right-of-way limits shown on the RFP plans with the exception of the permanent and temporary easements and that our design concept does not require Design Exceptions and /or Design Waivers unless they are identified or included in the RFP or Addendum.

I am providing the following statement demonstrating our commitment to the project's DBE goals:

I personally commit to VDOT that Shirley will achieve a DBE participation goal of 14% for the entire value of the contract:



Michael E. Post
President/CEO/Manager
Shirley Contracting Company, LLC

On behalf of our Team, we thank the Virginia Department of Transportation for the opportunity to submit this Letter of Submittal in response to your Request for Proposals.

Sincerely,



Michael E. Post
President/CEO/Manager
Shirley Contracting Company, LLC

Attachments:
Certification Regarding Debarment Forms

ATTACHMENT 11.8.6(a)
CERTIFICATION REGARDING DEBARMENT
PRIMARY COVERED TRANSACTIONS

Project No.: 0286-029-947, PE101, RW201, C501, B623

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.

	12/12/2013	President/CEO/Manager
Signature	Date	Title

Shirley Contracting Company, LLC
Name of Firm

ATTACHMENT 11.8.6(b)
CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

Project No.: 0286-029-947, PE101, RW201, C501, B623

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

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

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

<u>Dave Mahoney</u>	<u>12/6/13</u>	<u>Executive Vice President</u>
Signature	Date	Title
<u>Dewberry Consultants LLC</u>		
Name of Firm		

ATTACHMENT 11.8.6(b)
CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

Project No.: 0286-029-947, PE101, RW201, C501, B623

- 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.

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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 12/02/2013 Title President

GeoConcepts Engineering, Inc.
Name of Firm

ATTACHMENT 11.8.6(b)
CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

Project No.: 0286-029-947, PE101, RW201, C501, B623

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Mark Sullivan 12.2.13 MGR
Signature Date Title

So Deep, Inc.
Name of Firm

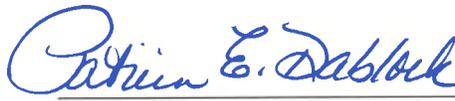
ATTACHMENT 11.8.6(b)
CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

Project No.: 0286-029-947, PE101, RW201, C501, B623

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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.

 12/2/2013
Signature Date

President
Title

Diversified Property Services, Inc.
Name of Firm

ATTACHMENT 11.8.6(b)
CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

Project No.: 0286-029-947, PE101, RW201, C501, B623

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

<u>PP [Signature]</u>	<u>12-2-13</u>	<u>Settlement Officer</u>
Signature	Date	Title

Old Dominion Settlements Inc T/A Key Title
Name of Firm

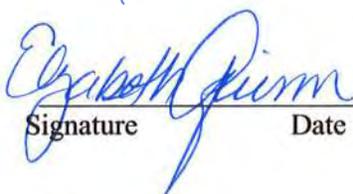
ATTACHMENT 11.8.6(b)
CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

Project No.: 0286-029-947, PE101, RW201, C501, B623

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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.



December 3, 2013

President

Signature

Date

Title

Quinn Consulting Services, Inc.

Name of Firm

ATTACHMENT 11.8.6(b)
CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

Project No.: 0286-029-947, PE101, RW201, C501, B623

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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.

	12/2/13	President
Signature	Date	Title

DIW Group, Inc. t/a Specialized Engineering

Name of Firm

ATTACHMENT 11.8.6(b)
CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

Project No.: 0286-029-947, PE101, RW201, C501, B623

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 12/2/13
Signature Date

Vice President
Title

Quantum Spatial
Name of Firm

4.2 ATTACHMENTS TO THE LETTER OF SUBMITTAL

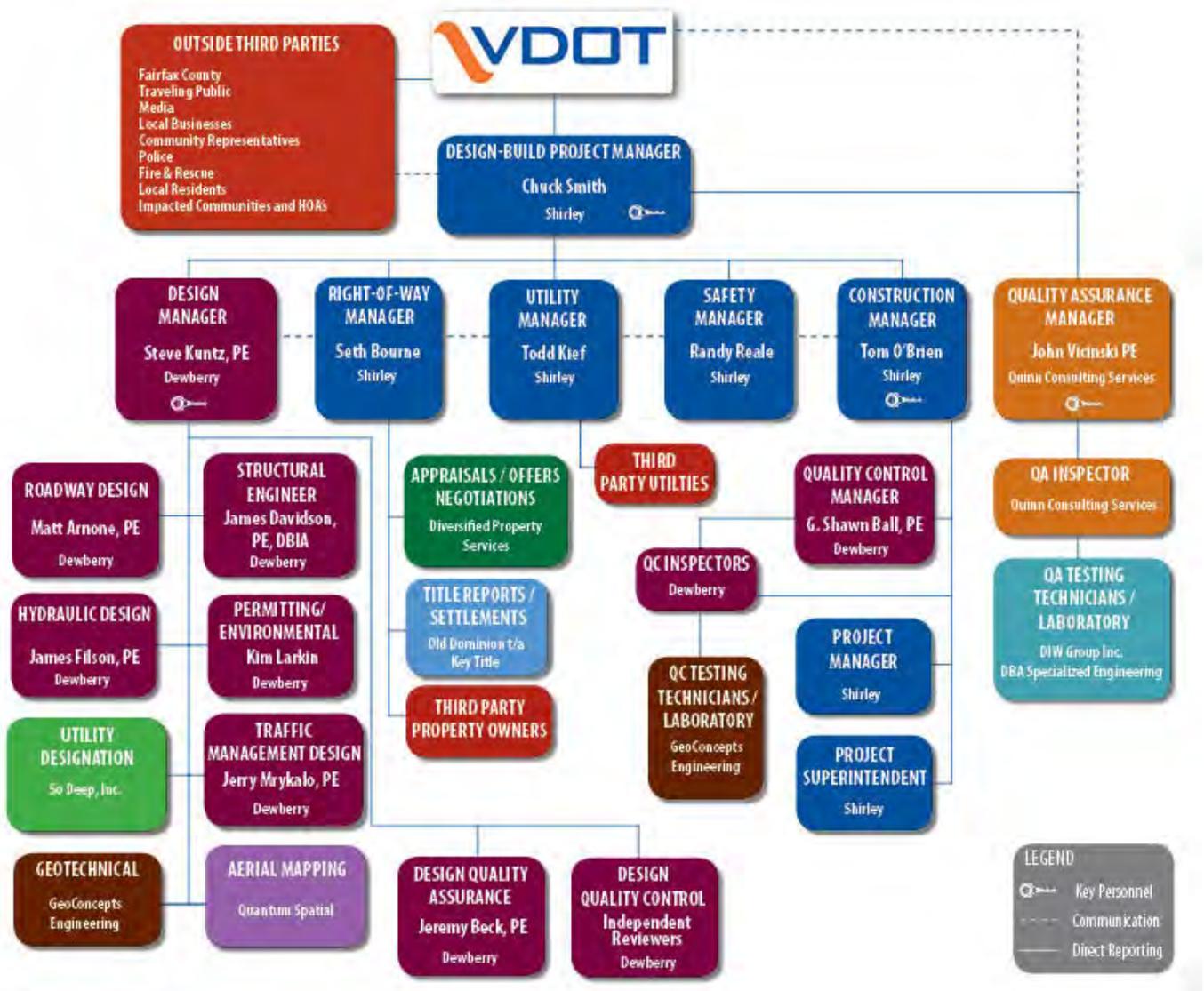
4.2.1 Organizational Chart & Key Personnel



4.2.1 Organizational Chart and Key Personnel

4.2.1 ORGANIZATIONAL CHART

The Project Organizational Chart below identifies the “chain of command” and major functions to be performed and their reporting relationships in managing, designing and constructing the Project, including quality control/quality assurance. We confirm that the organizational chart (shown below) and Key Personnel as contained in our Statement of Qualifications remain true and accurate, except for the following: AeroMetric, Inc. has officially changed their business name to Quantum Spatial, Inc. VDOT was notified of this change on December 4, 2013. As there have been no changes to the organizational chart, an updated narrative is not applicable.



Activity ID	Activity Name	Original	Rem Duration	Total Float	Start	Finish	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N
Rolling Road-FSP Interchange Improvements - Technical Proposal		612	612	0	19-Dec-13	16-May-16	16-May-16, Rolling Road-FSP Interchange Improvements - Technical Proposal																																		
Project Milestones		612	612	0	19-Dec-13	16-May-16	16-May-16, Project Milestones																																		
MS-1000	Notice of Intent to Award	1	1	0	19-Dec-13*	19-Dec-13	◆ Notice of Intent to Award																																		
MS-1050	CTB Approval / Notice to Award	25	25	0	20-Dec-13	15-Jan-14	■ CTB Approval / Notice to Award																																		
MS-1060	Contract Execution	21	21	0	16-Jan-14	13-Feb-14	■ Contract Execution																																		
MS-1100	Notice to Proceed	0	0	0	14-Feb-14		◆ Notice to Proceed																																		
MS-1120	Submit 180 Day Schedule	60	60	89	16-Jan-14	16-Mar-14	■ Submit 180 Day Schedule																																		
MS-1130	VDOT Review / Approve 180 Day Schedule	21	21	89	17-Mar-14	06-Apr-14	■ VDOT Review / Approve 180 Day Schedule																																		
MS-1150	Submit Baseline Schedule	90	90	51	14-Feb-14	14-May-14	■ Submit Baseline Schedule																																		
MS-1160	VDOT Review / Approve Baseline Schedule	21	21	35	15-May-14	13-Jun-14	■ VDOT Review / Approve Baseline Schedule																																		
MS-1200	Notice to Proceed for Construction(Hold Pt)	0	0	0	05-Aug-14		◆ Notice to Proceed for Construction(Hold Pt)																																		
MS-1300	Begin Stage 1 Construction	0	0	5	05-Aug-14		◆ Begin Stage 1 Construction																																		
MS-1400	Begin Stage 2 Construction	0	0	0	06-Nov-14		◆ Begin Stage 2 Construction																																		
MS-1500	Begin Stage 3 Construction	0	0	0	14-Apr-15		◆ Begin Stage 3 Construction																																		
MS-1600	Begin Stage 4 Construction	0	0	0	22-Jan-16		◆ Begin Stage 4 Construction																																		
MS-2300	Complete Bridge Work	0	0	2		31-Mar-16	◆ Complete Bridge Work																																		
MS-2400	Traffic Signal Complete - Ramp Loop B	0	0	52		21-Jan-16	◆ Traffic Signal Complete - Ramp Loop B																																		
MS-2600	Substantial Completion (Hold Pt)	0	0	0		04-Apr-16	◆ Substantial Completion (Hold Pt)																																		
MS-2700	Final Punchlist, As-builts, Material Books	30	30	0	05-Apr-16	16-May-16	■ Final Punchlist, As-builts, Material Books																																		
MS-2800	Final Completion (Hold Pt)	0	0	0		16-May-16	◆ Final Completion (Hold Pt)																																		
Design		124	124	62	14-Feb-14	08-Aug-14	08-Aug-14; Design																																		
DES-1000	Start Design	0	0	0	14-Feb-14		◆ Start Design																																		
DES-1010	Scope Validation Period	90	90	172	14-Feb-14	14-May-14	■ Scope Validation Period																																		
DES-1400	Design Complete	0	0	62		08-Aug-14	◆ Design Complete																																		
Roadway / Retaining Wall Plans		120	120	0	14-Feb-14	04-Aug-14	04-Aug-14; Roadway / Retaining Wall Plans																																		
DES-4000	Prepare Roadway/Wall Plans (1st Submission)	50	50	0	14-Feb-14	24-Apr-14	■ Prepare Roadway/Wall Plans (1st Submission)																																		
DES-4100	Design QA/QC Review (1st Submission)	10	10	0	11-Apr-14	24-Apr-14	■ Design QA/QC Review (1st Submission)																																		
DES-4200	Submit 1st Submission Plans	0	0	0		24-Apr-14	◆ Submit 1st Submission Plans																																		
DES-4300	Supplemental Surveying & Mapping	40	40	25	14-Feb-14	10-Apr-14	■ Supplemental Surveying & Mapping																																		
DES-4400	Supplemental Utility Designations	20	20	45	14-Feb-14	13-Mar-14	■ Supplemental Utility Designations																																		
DES-4500	Utility Test Pits	30	30	45	14-Mar-14	24-Apr-14	■ Utility Test Pits																																		
DES-4600	Geotechnical Investigations	40	40	1	14-Feb-14	10-Apr-14	■ Geotechnical Investigations																																		
DES-4700	VDOT Reviews Geotechnical Report	90	90	3	11-Apr-14	11-Jul-14	■ VDOT Reviews Geotechnical Report																																		
DES-4800	VDOT Review/Comment Roadway Plans (1st Sub)	21	21	0	25-Apr-14	15-May-14	■ VDOT Review/Comment Roadway Plans (1st Sub)																																		
DES-4900	Prepare Roadway/Wall Plans (2nd Submission)	15	15	0	16-May-14	06-Jun-14	■ Prepare Roadway/Wall Plans (2nd Submission)																																		
DES-5000	Design QA/QC Review (2nd Submission)	10	10	0	23-May-14	06-Jun-14	■ Design QA/QC Review (2nd Submission)																																		
DES-5100	Submit 2nd Submission Plans	0	0	0		06-Jun-14	◆ Submit 2nd Submission Plans																																		
DES-5200	VDOT/FHWA Review/Comment (2nd Sub)	21	21	2	07-Jun-14	27-Jun-14	■ VDOT/FHWA Review/Comment (2nd Sub)																																		
DES-5300	Prepare Final Plans	10	10	0	30-Jun-14	14-Jul-14	■ Prepare Final Plans																																		
DES-5400	Design QA/QC Review (Final Submission)	10	10	0	30-Jun-14	14-Jul-14	■ Design QA/QC Review (Final Submission)																																		
DES-5500	Submit Final Plans	0	0	0		14-Jul-14	◆ Submit Final Plans																																		
DES-5600	VDOT/FHWA Review/Approve Final Plans	21	21	0	15-Jul-14	04-Aug-14	■ VDOT/FHWA Review/Approve Final Plans																																		
DES-5700	Roadway/Wall Plans Approved (Hold Point)	0	0	0		04-Aug-14	◆ Roadway/Wall Plans Approved (Hold Point)																																		
Bridge Plans		84	84	28	11-Apr-14	08-Aug-14	08-Aug-14; Bridge Plans																																		
DES-6200	Submit TS&L	1	1	28	11-Apr-14	11-Apr-14	◆ Submit TS&L																																		
DES-6300	VDOT Review and Approve TS&L	21	21	40	12-Apr-14	02-May-14	■ VDOT Review and Approve TS&L																																		
DES-6400	Prepare Bridge Plans (1st Submission)	30	30	28	17-Apr-14	29-May-14	■ Prepare Bridge Plans (1st Submission)																																		
DES-6500	Design QA/QC Review (1st Submission)	10	10	28	15-May-14	29-May-14	■ Design QA/QC Review (1st Submission)																																		
DES-6600	Submit 1st Submission Plans	0	0	28		29-May-14	◆ Submit 1st Submission Plans																																		
DES-6700	VDOT/FHWA Review/Comment (1st Sub)	21	21	40	30-May-14	19-Jun-14	■ VDOT/FHWA Review/Comment (1st Sub)																																		
DES-6800	Prepare Final Bridge Plans	20	20	28	20-Jun-14	18-Jul-14	■ Prepare Final Bridge Plans																																		
DES-6900	Design QA/QC Review (Final Submission)	10	10	28	07-Jul-14	18-Jul-14	■ Design QA/QC Review (Final Submission)																																		
DES-7000	Submit Final Bridge Plans	0	0	28		18-Jul-14	◆ Submit Final Bridge Plans																																		
DES-7100	VDOT/FHWA Review/Approve Final Plans	21	21	40	19-Jul-14	08-Aug-14	■ VDOT/FHWA Review/Approve Final Plans																																		
DES-7200	Bridge Plans Approved (Hold Point)	0	0	28		08-Aug-14	◆ Bridge Plans Approved (Hold Point)																																		
Public Involvement		491	491	52	14-Feb-14	22-Jan-16	22-Jan-16; Public Involvement																																		
PUB-1000	Submit Emergency Contact List	0	0	120	14-Feb-14		◆ Submit Emergency Contact List																																		

■ Actual Work
 ■ Critical Remaining Work
 ▬ Summary
■ Remaining Work
 ◆ Milestone

Activity ID	Activity Name	Original Duration	Remaining Duration	Start	Finish	Total Float	2014												2015												2016											
							Dec	Jan	F	Mar	Apr	M	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	F	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	N
Total		612	612	19-Dec-13	16-May-16	0	16-May-16, Total																																			
MS-1000	Notice of Intent to Award	1	1	19-Dec-13*	19-Dec-13	0	Notice of Intent to Award																																			
MS-1050	CTB Approval / Notice to Award	25	25	20-Dec-13	15-Jan-14	0	CTB Approval / Notice to Award																																			
MS-1060	Contract Execution	21	21	16-Jan-14	13-Feb-14	0	Contract Execution																																			
MS-1100	Notice to Proceed	0	0	14-Feb-14		0	Notice to Proceed																																			
DES-1000	Start Design	0	0	14-Feb-14		0	Start Design																																			
DES-4000	Prepare Roadway/Wall Plans (1st Submission)	50	50	14-Feb-14	24-Apr-14	0	Prepare Roadway/Wall Plans (1st Submission)																																			
DES-4100	Design QA/QC Review (1st Submission)	10	10	11-Apr-14	24-Apr-14	0	Design QA/QC Review (1st Submission)																																			
DES-4200	Submit 1st Submission Plans	0	0		24-Apr-14	0	Submit 1st Submission Plans																																			
DES-4800	VDOT Review/Comment Roadway Plans (1st Sub)	21	21	25-Apr-14	15-May-14	0	VDOT Review/Comment Roadway Plans (1st Sub)																																			
DES-4900	Prepare Roadway/Wall Plans (2nd Submission)	15	15	16-May-14	06-Jun-14	0	Prepare Roadway/Wall Plans (2nd Submission)																																			
DES-5000	Design QA/QC Review (2nd Submission)	10	10	23-May-14	06-Jun-14	0	Design QA/QC Review (2nd Submission)																																			
DES-5100	Submit 2nd Submission Plans	0	0		06-Jun-14	0	Submit 2nd Submission Plans																																			
DES-5200	VDOT/FHWA Review/Comment (2nd Sub)	21	21	07-Jun-14	27-Jun-14	2	VDOT/FHWA Review/Comment (2nd Sub)																																			
DES-5300	Prepare Final Plans	10	10	30-Jun-14	14-Jul-14	0	Prepare Final Plans																																			
DES-5400	Design QA/QC Review (Final Submission)	10	10	30-Jun-14	14-Jul-14	0	Design QA/QC Review (Final Submission)																																			
DES-5500	Submit Final Plans	0	0		14-Jul-14	0	Submit Final Plans																																			
DES-5600	VDOT/FHWA Review/Approve Final Plans	21	21	15-Jul-14	04-Aug-14	0	VDOT/FHWA Review/Approve Final Plans																																			
DES-5700	Roadway/Wall Plans Approved (Hold Point)	0	0		04-Aug-14	0	Roadway/Wall Plans Approved (Hold Point)																																			
MS-1200	Notice to Proceed for Construction(Hold Pt)	0	0	05-Aug-14		0	Notice to Proceed for Construction(Hold Pt)																																			
GEN-1100	Install Construction Signage (WP)	5	5	05-Aug-14	11-Aug-14	0	Install Construction Signage (WP)																																			
ST1-1000	Install Initial MOT, Set Barrier and E&S Controls - FCP 217 to 200	5	5	12-Aug-14	18-Aug-14	0	Install Initial MOT, Set Barrier and E&S Controls - FCP 217 to 200																																			
ST1-1020	Modify / Relocate Ex. Signage / Install Temp. Signage	4	4	19-Aug-14	22-Aug-14	0	Modify / Relocate Ex. Signage / Install Temp. Signage																																			
ST1-1060	Relocate Existing Electrical in Median	4	4	19-Aug-14	22-Aug-14	0	Relocate Existing Electrical in Median																																			
GEN-1000	Mobilization, Initial Survey	15	15	05-Aug-14	25-Aug-14	0	Mobilization, Initial Survey																																			
ST1-1030	Saw Cut Ex. Asphalt	4	4	25-Aug-14	28-Aug-14	0	Saw Cut Ex. Asphalt																																			
ST1-1070	Install New Light Pole Foundations	8	8	25-Aug-14	04-Sep-14	0	Install New Light Pole Foundations																																			
ST1-1040	Demo Curb / Asphalt	8	8	27-Aug-14	08-Sep-14	0	Demo Curb / Asphalt																																			
ST1-1080	Install New Electrical to Light Poles / OH Sign	4	4	05-Sep-14	10-Sep-14	0	Install New Electrical to Light Poles / OH Sign																																			
ST1-1050	Install / Modify Drainage - FCP Sta. 217 to 200	8	8	03-Sep-14	12-Sep-14	0	Install / Modify Drainage - FCP Sta. 217 to 200																																			
ST1-1100	Rough Grade Shoulder to Subgrade - FCP Sta. 217 to 200	7	7	11-Sep-14	19-Sep-14	0	Rough Grade Shoulder to Subgrade - FCP Sta. 217 to 200																																			
ST1-1110	Place sub-base Aggregate - FCP Sta. 217 to 200	5	5	22-Sep-14	26-Sep-14	0	Place sub-base Aggregate - FCP Sta. 217 to 200																																			
ST1-1120	Install Underdrain	3	3	29-Sep-14	01-Oct-14	0	Install Underdrain																																			
ST1-1250	Pour Barrier Ftg / Curb / Median	8	8	02-Oct-14	13-Oct-14	0	Pour Barrier Ftg / Curb / Median																																			
ST1-1350	Base / IM Pave - FCP Sta. 217 to 200	3	3	14-Oct-14	16-Oct-14	0	Base / IM Pave - FCP Sta. 217 to 200																																			
ST1-1400	Pour Median Barrier	5	5	17-Oct-14	23-Oct-14	0	Pour Median Barrier																																			
ST1-1410	Install Perm. Attenuators	6	6	24-Oct-14	31-Oct-14	0	Install Perm. Attenuators																																			
GEN-1200	Stage 1 Construction Complete	0	0		05-Nov-14	0	Stage 1 Construction Complete																																			
ST1-1450	Temp Stripe / Remove Temp Barrier (WP)	3	3	03-Nov-14	05-Nov-14	0	Temp Stripe / Remove Temp Barrier (WP)																																			
ST1-1500	Ready To Open / Shift Traffic	0	0		05-Nov-14	0	Ready To Open / Shift Traffic																																			
MS-1400	Begin Stage 2 Construction	0	0	06-Nov-14		0	Begin Stage 2 Construction																																			
ST2-1000	Install Initial MOT, Set Barrier and E&S Controls - Loop Ramp B Sta. 32 to 43	4	4	06-Nov-14	11-Nov-14	0	Install Initial MOT, Set Barrier and E&S Controls - Loop Ramp B Sta. 32 to 43																																			
ST2-1100	Clear and Grubb Loop Ramp B	5	5	12-Nov-14	18-Nov-14	0	Clear and Grubb Loop Ramp B																																			
ST2-1200	Excavate Storm Water Management Basin	10	10	18-Nov-14	03-Dec-14	0	Excavate Storm Water Management Basin																																			
ST2-1300	Cut / Fill - Ramp Loop B - Sta. 32 to 43	10	10	24-Nov-14	09-Dec-14	0	Cut / Fill - Ramp Loop B - Sta. 32 to 43																																			
ST2-1400	Install / Modify Drainage - Loop Ramp B Sta. 32 to 43	8	8	08-Dec-14	17-Dec-14	0	Install / Modify Drainage - Loop Ramp B Sta. 32 to 43																																			
ST2-1500	Rough Grade to Sub-grade - Loop Ramp B Sta. 32 to 43	4	4	18-Dec-14	23-Dec-14	0	Rough Grade to Sub-grade - Loop Ramp B Sta. 32 to 43																																			
ST2-1550	Place Sub-base Aggregate - Loop Ramp B Sta. 32 to 43	5	5	24-Dec-14	31-Dec-14	0	Place Sub-base Aggregate - Loop Ramp B Sta. 32 to 43																																			
ST2-1600	Install Underdrain	2	2	02-Jan-15	05-Jan-15	0	Install Underdrain																																			
ST2-1650	Rough Grade Ditches	2	2	06-Jan-15	07-Jan-15	0	Rough Grade Ditches																																			
ST2-1700	Base / IM Pave - Loop Ramp B Sta. 32 to 43	5	5	08-Jan-15	20-Jan-15	0	Base / IM Pave - Loop Ramp B Sta. 32 to 43																																			
ST2-1750	Install Guardrail	5	5	21-Jan-15	27-Jan-15	0	Install Guardrail																																			
ST2-1760	Install Signage	4	4	28-Jan-15	02-Feb-15	0	Install Signage																																			
ST2-1800	Temp Stripe / Remove Barrier (WP)	3	3	03-Feb-15	09-Feb-15	0	Temp Stripe / Remove Barrier (WP)																																			
ST2-1900	Ready to Open / Shift Traffic	0	0		09-Feb-15	0	Ready to Open / Shift Traffic																																			
ST2-2000	Install Initial MOT, Set Barrier and E&S Controls - Ramp B Sta. 52 to 66	3	3	10-Feb-15	12-Feb-15	0	Install Initial MOT, Set Barrier and E&S Controls - Ramp B Sta. 52 to 66																																			
ST2-2010	Saw Cut Existing Pavement	2	2	13-Feb-15	16-Feb-15	0	Saw Cut Existing Pavement																																			

■ Actual Work
 ■ Critical Remaining Work
 Summary
■ Remaining Work
 ◆ Milestone

4.2.2.2 Proposal Schedule Narrative

PROJECT MILESTONES

In accordance with the RFP documents, Shirley has provided a Preliminary Schedule identifying our plan for all phases of the design-build process based on the following project Milestones listed in Table 1.

For the purposes of planning and schedule breakdown, Shirley has broken the construction portion of the Project into four (4) major Stages of Work in addition to the Design, Right-of-Way Acquisitions, Environmental Permitting and Utility Relocations necessary to complete the work. Our initial investigations and preliminary plans do not have any major utility relocations as a result of conflicts with the planned work other than adjusting existing VDOT power and communication circuits for roadway lighting, signage, signals and CCTV Cameras. There is also minimal Right-of-Way Acquisitions required based on our planned work other than some potential easements for new storm sewer facilities. However, adequate time has been provided in the schedule for any additional easements or Right-of-Way Acquisitions that may be required once the final plans are completed. Finally, we have provided activities in the schedule for obtaining the necessary environmental permits required for this Project. At this time there does not appear to be any permitted wetlands or streams that will be impacted by our work however we have provided activities in the schedule to obtain the permits and provide mitigation if required.

Construction stages have been configured to maximize the amount of work that can be done out of traffic to minimize the impact on the traveling public and to minimize the number of traffic shifts.

- **Stage 1** work will focus on the median work along eastbound and westbound Fairfax County Parkway and the median work on northbound Fairfax County Parkway including the work on the bridge superstructure including the median demolition, joint replacement and approach slab extensions.
- **Stage 2** work will focus on permanent and some temporary widening of Loop Ramp B and Ramp B in order to shift traffic to the west away from Hunter Village Drive. Work will also be done at the intersection of Ramp B and Fairfax County Parkway to install the new signal and remove the existing islands in order to shift traffic and reconfigure the intersection for Stage 3. Widening work will also be done along the right side of westbound Franconia-Springfield Bypass and Fairfax County Parkway during this stage along with the substructure work on the bridge to include the pier protection, slope protection, bearing and substructure surface repairs.
- **Stage 3** work will focus on the completion of the Ramp B and Loop Ramp B work including the construction of new retaining walls along Hunter Village Drive and the reconstruction and reconfiguring of the existing shared use path. The intersection at Ramp B and Fairfax County Parkway will be completed and put into its final configuration during this stage.
- **Stage 4** work will focus on completing the remaining work on the project including all final grading of ditches and slopes. Installation of all remaining permanent signage. All final asphalt milling and surface paving along with permanent striping and remaining work on the bridge structure to include waterproofing and the epoxy overlay on the bridge deck surface.

During each stage and area of work we will provide for all elements as required by VDOT standards, specifications and the RFP documents including storm sewer, barriers, guardrail, signage, roadway lighting, traffic signals and CCTV Cameras.

TABLE 1 PROPOSAL SCHEDULE DATES OF PROJECT MILESTONES

Milestone	Date
Notice of Intent to Award Date	December 19, 2013
Commonwealth Transportation Board Approval	January 15, 2014
Design-Build Contract Execution	February 13, 2014
Notice to Proceed Date	February 14, 2014
Scope Validation Period Ends	May 14, 2014
Notice to Proceed Construction	August 5, 2014
Begin Stage 2 Construction	November 6, 2014
Begin Stage 3 Construction	April 6, 2015
Project in Final Configuration	January 21, 2016
Begin Stage 4 Construction	January 22, 2016
Bridge Work Complete	March 22, 2016
Substantial Completion Date	April 4, 2016
Fixed Date Completion Date	May 16, 2016

WORK BREAKDOWN STRUCTURE

Level 1 of the Work Breakdown Structure (WBS) groups the schedule into the phases of the design-build process as follows:

- 01. Project Milestones:** Area reserved for easy review of the Project status.
- 02. Design:** Includes preliminary engineering services, plan development, QA/QC reviews, submittal milestones, and VDOT reviews and approvals of plans. This section of the schedule includes a second level WBS structure to group design activities by type of design submission including roadway and bridge.
- 03. Public Involvement:** This section of the schedule includes milestones for planned public involvement meetings and updates to the VDOT website.
- 04. Environmental Permitting:** Includes wetland and stream delineations and jurisdictional determination, permit management and preparation, mitigation, and permit submissions and reviews. The environmental permits schedule includes a second level WBS structure to group the joint wetlands and waters permit, the LD 455/VSMP permit, and hazardous materials.
- 05. Right-of-way Acquisition:** This section includes the Right-of-Way Acquisition processes necessary for the land rights necessary to construct the Project. The process is broken out into the second level of the WBS for preparing appraisals, offers, performing negotiations and finally obtaining settlements. Due to the limited number of potential properties, it is anticipated all required easements and/or Right-of-Way will be obtained at one time for this Project.
- 06. Utility Relocations:** This section has been included to provided for activities for UFI meetings, preparation of preliminary engineering (PE) estimates, approval of PE estimates, utility relocation design by the utility owner, approval of the utility design, and utility relocation construction if needed. At this time there are no utility relocations required as part of our plan and therefore no activities have been scheduled.
- 07. Construction:** Includes all components of construction including all bridge work, retaining walls, roadway widening, major drainage items, lighting, signals, signage and ITS work. The construction section of the schedule is segmented by two additional levels of WBS structure to divide the construction activities into groups of work packages that can be easily tracked to ensure on-time completion of the Project.

Below is a complete outline of the WBS Structure for the Project:

TABLE 2 WORK BREAKDOWN STRUCTURE

LEVEL 1	LEVELS 2, 3, & 4
01	Project Milestones
02	Design Phase 02.01 Roadway / Retaining Wall Plans 02.02 Bridge Plans
03	Public Involvement 03.01 Public Involvement Meetings 03.02 Public Affairs Updates
04	Environmental Permitting 04.01 Joint Wetlands and Waters Permit (IACM) 04.02 LD 445 / VSMP / SWPPP Permit 04.03 Hazardous Materials
05	Right-of-Way / Easement Acquisition 05.01 Appraisals, Offers, Negotiations / Settlements
06	Utility Relocations
07	Construction 07.01 Preparatory Inspection Meetings 07.02 Stage 1 Construction 07.02.01 General 07.02.02 Ffx. Co. Parkway EB/WB Median - Sta. 217 to 200 07.02.03 Ffx. Co. Parkway NB Median - Sta. 402 to 425 07.02.04 Bridge Work - Stage 1 07.03 Stage 2 Construction 07.03.01 General 07.03.02 Loop Ramp B Right Widening - Sta. 32 to 43 07.03.03 Ramp B Widening - Left Widening - Sta. 52 to 66 07.03.04 Ffx. Co. Parkway / Ramp B Intersection 07.03.05 Franconia-Springfield Bypass - Sta. 132 to 126 07.03.06 Bridge Work - Stage 2 07.03.07 Ffx. Co. Parkway - Right Widening - Sta. 217 to 210 07.04 Stage 3 Construction 07.04.01 General 07.04.02 Ramp B - Ret. Walls / Right Widening - Sta. 51 to 66 07.04.03 Ramp Loop B - Left Widening - Sta. 31 to 43 07.04.04 Ffx. Co. Parkway NB / Ramp B Intersection, Ph. II 07.05 Stage 4 Construction 07.05.01 General 07.05.02 Bridge Work - Stage 4 07.05.03 Final Milling / Paving / Striping / Landscaping

The following is a description of the calendars used for this Project.

Global Calendar – All calendars are based on eight hour work days and include the following holidays: New Years Day, Memorial Day, 4th of July, Labor Day, Thanksgiving, the day after Thanksgiving, and Christmas.

Calendar 1 - “5-Day Workweek” – This calendar is based on five working days per week and is used for all design and administrative activities that are unaffected by weather.

Calendar 2 – “7-Day Calendar” – Assigned to activities that have durations based on calendar days instead of work days. For example VDOT’s 21 calendar day review duration.

Calendar 3 – “5-Day Winter Imp” – This calendar is based on working part-time from roughly mid-December to mid-March during any one calendar year. It is assigned to activities that are anticipated to have reduced productivity during the winter months.

Calendar 4 - "Winter Shutdown" - Assigned to activities that cannot be performed during winter months of lower temperatures.

SCHEDULE TIMING AND CRITICAL PATH

The narrative below describes, in detail, the Shirley Team’s planned schedule and sequence of operations by Phase.

Design Phase - The design phase includes preparation, Quality Assurance/Quality Control reviews, and submission of the Roadway Plans in three (3) distinct Design Submission noted as Milestones on the Schedule network. As specified in the RFP we have included a 21 calendar day activity for VDOT and FHWA (if necessary) review after each submission. The design phase also includes activities for the completion of surveys, mapping, utility designations, test pits, and geotechnical investigations necessary for submission of the final roadway plans. Our Team will begin the design phase of the Project immediately upon Notice to Proceed. The first formal plan submission is scheduled to occur on April 24, 2014. The Preliminary Schedule reflects final approval of all plans by August 8, 2014.

Critical Path - Activities in the Design Phase of the Preliminary Schedule include the preparation, review and approvals of the Final Roadway Plans. The Final Roadway Plan approval will be the starting point for the Notice to Proceed for Construction and the start of Stage 1 work. The preparation of the Roadway Plans will start immediately upon Notice Proceed (anticipated to be February 14, 2014) with final approval of these plans scheduled by August 4, 2014.

Public Involvement - The public involvement schedule includes submitting our emergency contact list upon Notice to Proceed, developing a community stakeholder coordination plan, holding Public Information Meetings in incremental stages during construction, and providing regular updates to the VDOT website. The schedule includes points at which major milestone activities for the Public Information Meetings and website updates are critical. There are many other public involvement activities that our Team will perform throughout the Project, including meeting with local businesses and attending meetings with home owners associations, local government representatives, and community groups, and providing information for regular updates of the Project website.

Environmental Permitting - Environmental Permitting will begin at Notice Proceed. The Shirley Team will immediately perform wetland delineations, obtain jurisdictional determinations and prepare the Joint Wetlands and Water Permit Application if required. We will provide design details, project descriptions, permit sketches, impact quantity information, and all other related information to the appropriate agencies in the permit acquisition process. It is anticipated that a six-month Approval

Period will be necessary for obtaining the permit approvals if a JPA is required. It is not anticipated that there will be any permitted wetlands and/or streams affected by this Project. All of Stage 1 work is in the medians and intersections of existing roadways and therefore can be started prior to obtaining this additional permit. Following the second submission of the roadway plans, we will complete the requisite VDOT stormwater forms (LD-445 series), and will provide Stormwater Pollution Prevention Plans (SWPPP) and related information for inclusion on the VDOT SWPPP General Information sheets. The LD 445, VSMP and SWPPP Permits will be required in order to start Stage 1 work. This is anticipated to be completed by July 28, 2014. Finally, we will perform any required investigations on existing structures and facilities to determine the extent of any existing hazardous materials that may be encountered during construction and develop any required reports and abatement plans. As shown in the preliminary schedule, there are no activities currently on the Critical Path associated with the Environmental Permitting process. It is anticipated to complete the Environmental Permitting process by September 9, 2014.

Right-of-Way Acquisition - Right-of-Way Acquisition process will begin after approval of Shirley's ROW Acquisition and Procedure Plan and the first submission of the roadway plans. Once the plans are sufficiently complete, we will begin the preparation of the plats which will be utilized for the acquisition of any required easements and Right-of-Way. It is not anticipated that any Right-of-Way will be required for this project and only minimal areas needing additional easements for stormwater facilities will be needed. There will be no easements or Right-of-Way required for Stage 1 or 2 Construction work therefore the Right-of-Way Acquisition process is not on the critical path.

Utility Relocations - Based on the preliminary plans and investigations there are no major utility relocations for this project which will require UFI meetings, Relocation plans or other additional work. All utilities associated with VDOT facilities including signals, roadway lighting, overhead signage and ITS components are currently scheduled to be installed, adjusted or removed during the Construction Stage and will be designed as part of the Roadway Plans. Currently there are no activities scheduled under this section.

CONSTRUCTION SEQUENCE

Preparatory Inspection Meetings

In this section of the schedule, we have identified those Hold Points in the schedule necessary to conduct the appropriate Preparatory Inspection Meetings with our QA/QC Staff as well as VDOT for the major items of work.

Stage 1 Construction

During Stage 1 Construction the work will focus on the median work along westbound and eastbound Fairfax County Parkway from Station 217 to 200. This will include the permanent roadway widening, installation of new roadway lighting and relocation of the existing overhead sign structure.

Additionally, work will start in the median of northbound Fairfax County Parkway from Station 402 to 425 which will also include the superstructure work on the existing bridge. The bridge work will include the demolition of the existing median, overlay on the bridge deck, re-pouring the new bridge median, reconstruction of the bridge joints and the approach slab extensions. Median work along northbound Fairfax County Parkway will also include the modification of the existing signal at Rolling Road and installation of a new CCTV Camera. There is no easements, Right-of-Way or major utility relocations

required for Stage 1 work therefore all work can commence immediately following the approval of the Roadway Plans.

Critical Path in Stage 1 runs through the completion of the median work along westbound and eastbound Fairfax County Parkway from Station 217 to 200 and the completion of Stage 1 work which will kick off the start of Stage 2 Construction. Stage 1 is currently scheduled to be completed by November 5, 2014.

Stage 2 Construction

Stage 2 Construction will focus on the widening of Loop Ramp B and Ramp B in order to shift existing traffic lanes in a temporary configuration for Stage 3 work to be performed out of traffic. Loop Ramp B will be widened to the right from Station 32 to 43 including major cut to fill operation to fill the existing drainage ditch utilize fill from the excavation of the proposed storm water management pond. The existing barrier wall and median will be removed and Ramp B will be widened to the left from Station 52 to 66 to include both permanent and temporary pavement. This stage will also include modifications to the existing intersection between Ramp B and Fairfax County Parkway and the installation of a new traffic signal and CCTV Camera. Finally, roadway work along the right side of westbound Franconia-Springfield Bypass from Station 132 to 126 and westbound Fairfax County Parkway from Station 217 to 210 will completed during this stage along with the substructure work on the existing bridge. Bridge work to include installation of the pier protection, demolition and re-pouring of the abutment slope protection, bearing repairs and substructure concrete surface repairs. Roadway widening work will also include installation of new roadway lighting, barriers, guardrail and signage.

Critical Path in Stage 2 runs through the widening of Loop Ramp B to the right and subsequent work to widen Ramp B to the left in order to shift the existing traffic lanes and subsequently the completion of Stage 2 work which will kick off the start of Stage 3 Construction. Stage 2 is currently scheduled to be completed by April 13, 2015.

Stage 3 Construction

Stage 3 Construction will focus on Ramp B right side widening from Station 51 to 66. This work will include construction of several new retaining walls between Ramp B and Hunter Village Drive to support the new ramp widening. In addition, we will be removing and reconstructing the existing shared use path between Ramp B and Hunter Village Drive. The new cast in place retaining walls will have an Ashlar Stone finish along the Hunter Village Drive side of the walls. This work will also include installation of new roadway lighting, barrier walls, guardrails and signage. Once the work is completed on Ramp B widening, traffic will be shifted back to the right side of the ramp and work will commence on the Loop Ramp B left side widening from Station 31 to 43. This will include the completion of all permanent roadways and installation of modified barrier walls between Loop Ramp B and Ramp B. Remaining roadway lighting and signage will also be completed. Finally, during this stage the intersection work at Ramp B and Fairfax County Parkway will be completed and all vehicular and pedestrian traffic will be put into the their final configuration.

Critical Path in Stage 3 runs through the widening of Ramp B to the right including the retaining wall and shared use path construction. After traffic is shifted, the critical path runs through the remaining roadway work on Loop Ramp B and subsequently the completion of Stage 3 work which will kick off the start of Stage 4 Construction. Stage 3 is currently scheduled to be completed by January 21, 2016.

Stage 4 Construction and Final Paving

The final stage of construction will start once all traffic lanes are in their final configuration. All roadway lighting, signals and major drainage features will have also been completed in previous stages. Work in Stage 4 will focus on final grading of slopes and ditches along all roadways and ramps and installation of any remaining paved ditches, rip rap, seeding and any remaining permanent signs. All roadway surfaces will be milled where needed and final surface asphalt placed along with all permanent pavement markings. Remaining bridge work will also be completed including the waterproofing of the existing bridge parapets and the substructure surfaces and epoxy concrete overlay on the northbound and southbound deck surfaces. At this point we will have reached Substantial Completion.

Critical Path in Stage 4 runs through final grading of slopes and ditches and installation of the permanent signage which will be followed by the final asphalt surface paving and striping. This is tied to Substantial Completion of the Project which is currently scheduled to be completed by April 4, 2016. We have scheduled a period for any remaining punchlist work to be completed after Substantial Completion with Final Completion of the Project scheduled for May 16, 2016.

SUMMARY

The Shirley Team's comprehensive pre-proposal preparation, proven experience in all phases of design-build, and extensive project controls and schedule management and recovery techniques will serve to ensure that the Rolling Road/Franconia Springfield Parkway Interchange Improvements Project will be completed on time. Over the years, we have built a solid professional reputation on meeting our commitments, completing projects ahead of schedule and under budget, performing quality work in a safe work environment, and establishing a problem-solving atmosphere and partnership with the Owner. This is a result of our extensive experience, quality people, and corporate commitment. The Rolling Road/Franconia Springfield Parkway Interchange Improvements Design-Build Project is a challenging and exciting Project for our Team and is one in which we will bring this same level of commitment to benefit VDOT, Fairfax County, and the public.