ADDENDUM #2
ITB/RFP NUMBER: 2016025-PW-B
Main Street Streetscape Project Phase 3 ITB

DATE: March 8, 2016

TO: All Potential Bidders/Offerors

City of Harrisonburg's Main Street Streetscape Project Phase 3 ITB, is modified as follows:

1. Question: After we remove the two (2) existing light poles, how far below grade do the foundations need to be removed.

> Answer: For the Elizabeth Street pole foundation, it should be removed a minimum of 2' below finished grade. For the Wolfe Street pole foundation, the entire foundation will need to be removed in order to accommodate the new pole foundation.

2. Question: On sheet # 3A of the plans there is a note that says "Approx. Location Ex. 2-2" conduit use spare for signal power"; question; is this the location from which power will come from for both signal services or for just Elizabeth Street signal? Where is the underground service power coming from. And is it the same for both signals?

> Answer: The spare existing 2" conduit is used to extend power from the transformer south of Elizabeth Street to Elizabeth Street into the proposed junction box. From that box, the 3" conduit (See Note 8 on Sheet 2B of plans) will go from Elizabeth Street to Wolfe Street to power lights and signals.

3. Question: If answer for above question is for just Elizabeth street where will the underground power come from for the Wolf Street signal?

> Answer: See Answer for #2.

4. Question: The existing overhead service lines at Elizabeth Street is attached to the top of the existing signal pole and runs over East Elizabeth Street and then attaches near the top of a 2 story building; runs around the side of the 2-story to the back of that building and then to the opposite side of that building, where it enters a riser and comes down into the ground. – who's responsibility is it to remove the existing power overhead from the existing signal, the building, and the existing riser? What are the steps to remove this if it's the contractor responsibility?

> Answer: HEC will pull the power from the existing transformer through the new conduit installed by the contractor as well as abandon any remaining service lines. The contractor is not responsible for removing any of the overhead HEC facilities.

5. Question: Will any repair need to be made to that building once the insulators and bolts are removed?

Answer: See Answer for #4.

6. Question: The conduit that is in the ground from the riser in the question above, will it be abandoned in place or will in need to be removed from that parking area?

Answer: HEC will handle the abandoned conduit.

7. Question: If the above conduit needs to be removed can you provide an footage that will need to be removed? (went to the site and there were locates in some areas but there were none where the riser was (beside the TV station). Just not sure where the power runs from to get to the riser as there were a lot of transformer pads in that area.)

Answer: See Answer for #6.

8. Question: Will the contractor need to provide two (2) runs of service cable from an the existing transformer near Elizabeth street to each underground signal service meters or the power company?

Answer: HEC will pull the electric wires from the existing transformer just south of Liberty Street to each of the hand holes. HEC will also pull the wire from each hand hole into the 4 decorative street light fixtures. The contractor will be responsible for installing and pulling in wire from the hand hole to the 2 traffic signals. This wire will be from the hand hole to the electric meter base located on the traffic pole. In both traffic signal locations the hand hole that serves it will only be about 10 ft. or so away from the traffic signal pole.

9. Question: If yes to the question above can you provide a footage for that power cable?

Answer: See Answer for #8.

10. Question: Is there a specific way the temporary signal need to be built at Wolf Street? Can we close or restrict the side walk at the corner across from the existing signal pole for placement of a wood pole until the new signal is up and running?

Answer: See Construction Note 1 on Sheet 4(4) of plans. Temporary Stop signs will be used to control Wolfe Street. A temporary signal will not be necessary.

11. Question: Will the overhead utilities lines at the wolf street intersection be moved as the new arm is on the cable lines and this arm may be in the same position. (At the site it looks like they just wrapped tape around the existing cable and mast arm is just sitting on it.) Will it be a problem if it is in the same position on the existing line?

Answer: The contractor will need to work around those existing lines. If this presents a problem, the contractor is free to contact those utility companies and request that they relocate (temporarily or permanently) these facilities away from the proposed signal mast. Please note that we do not interpret this as anything necessary to install the mast arm and signals, etc. It would be up to the contractor to plan and coordinate this work while still meeting contract completion dates, if this is something pursued to facilitate construction.

12. Question: Would you be able to provide a plan-holders list?

Answer: The City does not maintain a plan-holders list, as all of our solicitations are publicly posted on the City's website and also on eVA. It might be helpful to look at the sign-in sheet from the non-mandatory pre-bid meeting, which was posted with Addendum #1.

13. Question: Line item 73 shows 7 flagpole bases to be installed. Flagpole base specification and locations were not show in the drawings.

Answer: See Detail Sheet 2B for the Plan and Profile of the flagpole bases. There are a total of seven (7) to be installed. The final locations of these will be clarified at the pre-construction meeting.

14. Question: Color for push button hangers, signal head hangers, and sign hangers were not clarified in the bid documents.

Answer: The push button hangers shall be the factory standard black. The signal head hangers and sign hangers can be standard aluminum.

15. Question: The spec on this project indicates an old pole design (PF-1, 6-bolt). The current VDOT spec is (8) 2" minimum. Please advise on whether these are design poles using the new spec with (8) 2" minimum bolts or whether an old pole design is required.

Answer: The pole design shall be the PF-1, 6 bolt design. A detail is attached for reference.

16. Question: Would you also please confirm whether these are round or fluted poles and if the base is Urethane?

Answer: The poles are round and the material is powder coated steel. The clamshell that fits around the pole base is made of elastomeric urethane.

17. Question: On sheet N0. 4(2) of the plans according to note # 5, the mast arm poles should be designed to handle (2) additional Signal Heads on top of what's shown on the plans. Please advise: What type of signal head should we consider in our design (3 – 4 or 5)? Where in the arm are the signal heads located?

Answer: Assume 3 signal heads in the design and assume they are located on the end. The pole design should be for the maximum moment.

18. Both junction boxes at the northeast corner of Elizabeth and Main Street shall be S3s. A revised bid form is attached to include the updated quantities.

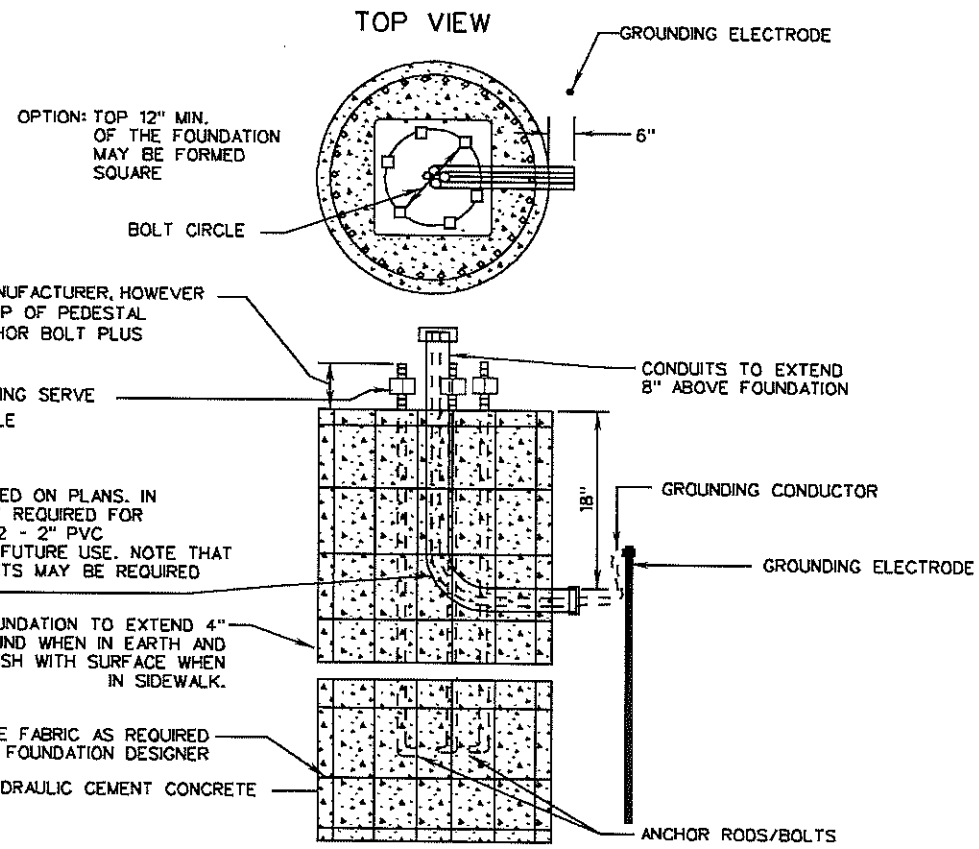
Attachments: PF-1 foundation details
Revised Bid Form
Revised Bid Form (posted separately from this Addendum in MS Excel format)

All other requirements, terms and conditions of the ITB/RFP remain unchanged.

Addendum page must be signed and returned with your bid/proposal to acknowledge receipt of this addendum.

_____
Authorized Signature

By: Pat Hilliard, CPPB
Procurement Manager



SIDE VIEW

CIRCULAR FOUNDATION

NOTES:

ANCHOR BOLTS AND BOLT PATTERN SHALL BE FURNISHED WITH POLE. POLE SHALL BE CENTERED ON FOUNDATION.

EACH FOUNDATION SHALL BE PERMANENTLY MARKED TO INDICATE ALL SIDES FROM WHICH CONDUITS PASS. THIS MARK SHALL BE MADE WITH A TROWEL WHEN FINISHING THE CONCRETE AND SHALL BE 1/4" DEEP AND 4" TO 6" LONG. LOCATIONS OF EMPTY CONDUITS SHALL HAVE AN ADDITIONAL 2" LONG MARK MADE PERPENDICULAR TO AND CENTERED ON THIS MARKING.

WHEN FOUNDATION EXTENDS 4" ABOVE FINISHED GRADE ALL EDGES SHALL BE CHAMFERED 3/4" AND FOR SIDEWALKS SHALL BE FLUSH.

GROUNDING BUSHINGS SHALL BE INSTALLED ON EACH END OF METAL CONDUITS.

EMPTY CONDUITS SHALL BE PLUGGED TO PREVENT MOISTURE AND RODENT ENTRY.

BELL ENDS SHALL BE INSTALLED ON EACH END OF PVC CONDUITS.

OPEN ENDS OF CONDUITS WITH CONDUCTORS INSTALLED SHALL BE SEALED WITH AN APPROVED SOFT, PLIABLE, AND EASILY REMOVABLE WATERPROOF SEALANT. THE SEALANT SHALL NOT HAVE A DELETERIOUS EFFECT ON CABLE COVERINGS.

NO MORTAR, GROUT, OR CONCRETE SHALL BE PLACED BETWEEN BOTTOM OF BASE PLATE AND TOP OF FOUNDATION.

HEIGHT, WIDTH, AND DEPTH OF FOUNDATION SHALL BE AS REQUIRED BY FOUNDATION DESIGNER

VDOT ROAD AND BRIDGE STANDARDS		SIGNAL POLE FOUNDATION INSTALLATION DETAILS VIRGINIA DEPARTMENT OF TRANSPORTATION	SPECIFICATION REFERENCE
SHEET 1 OF 1	REVISION DATE		700
1310.10	06-15-2009		

Harrisonburg, VA Main Street Streetscape Phase 3

UPC# 103587 EN15-115-106

LINE	ITEM #	DESCRIPTION	UNIT	EST. QUANTITY	UNIT PRICE ($)	AMOUNT ($)
1	00100	MOBILIZATION	LS	1		
2	00101	CONSTRUCTION SURVEYING	LS	1		
3	00588	MOD UNDERDRAIN UD-4	LF	769		
4	00595	OUTLET PIPE	LF	18		
5	06818	DROP INLET, DI-3B, L=6' (TOP ONLY)	EA	1		
6	10121	AGGR. BASE MAT. TY. I NO. 21B	TON	140		
7	10642	ASPHALT CONCRETE TY. BM-25.0A	TON	30		
8	12600	ST'D COMB. CURB & GUTTER CG-6 (2' gutter)	LF	712		
9	12720	NS COMB. CURB & GUTTER CG-6 (1.5' gutter)	LF	38		
10	13108	CG-12 DETECTABLE WARNING SURFACE	SY	16.9		
11	13220	HYDR. CEMENT CONC. SIDEWALK 4"	SY	620		
12	10496	NS PAVING-BRICK UNIT PAVING (INCLUDES SAND AND AGGREGATE BASE)	SF	5578		
13	10496	NS PAVING-CONCRETE UNIT PAVING (INCLUDES SAND AND AGGREGATE BASE)	SF	334		
14	13120	NS ENTRANCE CONCRETE (UNDER PAVERS)	SY	37		
15	17329	POST (WOOD, CONC., OR STEEL)	EA	1		
16	17357	END POST CAPS, GR-3	EA	1		
17	23560	TEMP. SAFETY FENCE (INCUDING POSTS)	LF	1600		
18	24160	CONSTRUCTION SIGNS	SF	184		
19	24278	GROUP 2 CHANNELIZING DEVICES	DAY	2500		
20	24281	ELECTRONIC ARROW	HR	750		

21	24282	FLAGGER SERVICE	HR	400		
22	24293	TEMP SAFETY BARRIER	LF	325		
23	24430	TEMP. PEDESTRIAN CROSSING	EA	5		
24	24430	TEMP PEDESTRIAN RAMPS	EA	2		
25	27461	INLET PROTECTION, TYPE B	EA	6		
26	50108	SIGN PANEL - FURNISH AND INSTALL	SF	26.5		
27	50600	REMOVE TYP 1 SIGNS	EA	4		
28	50795	RELOC. EXIST. SIGN PANEL TY. SP-1	EA	8		
29	50902	DARK BRONZE LED LIGHTED STREET NAME SIGNS	EA	4		
30	51184	DARK BRONZE TRAFFIC SIGNAL HEAD 12" GREEN BALL LED	EA	12		
31	51184	DARK BRONZE TRAFFIC SIGNAL HEAD 12" YELLOW BALL LED	EA	12		
32	51184	DARK BRONZE TRAFFIC SIGNAL HEAD 12" RED BALL LED	EA	12		
33	51198	ACCESSIBLE PEDESTRIAN ACTUATION PA-2 WITH ACCESSIBLE PED BUTTON	EA	2		
34	51210	DARK BRONZE PEDESTAL POLE PF-2, 10'	EA	6		
35	51238	PF-1 CONCRETE FOUNDATION FOR SIGNAL POLE	EA	2		
36	51240	CONCRETE FOUNDATION PF-2	EA	6		
37	51248	NS SIGN ANCHOR SYSTEM	EA	1		
38	51245	CONCRETE CABINET FOUNDATION CF-1	EA	2		
39	51248	NS. CONCRETE LIGHT POLE FOUNDATION	EA	4		
40	51425	DARK BRONZE SIGNAL POLE MP-1 20' MAST ARM 60'	EA	1		
41	51425	DARK BRONZE SIGNAL POLE MP-1 20' MAST ARM 65'	EA	1		
42	51602	14/4 CONDUCTOR CABLE	LF	4349		

43	51614	#8 BONDED GROUND	LF	847		
44	51614	8/1 CONDUCTOR CABLE	LF	1731		
45	51614	EMERGENCY VEHICLE PREEMPTION DETECTOR CABLE	LF	546		
46	51614	CAT 5 OUTDOOR CABLE	LF	367		
47	51700	EMERGENCY VEHICLE PREEMPTION CONFIRMATION BEACON CABLE (14/2 SHIELDED)	LF	546		
48	51830	HANGER ASSEMBLY SM-3, ONE WAY	EA	12		
49	51839	PEDESTRIAN HANGER ASSEMBLY SMB-3	EA	16		
50	51840	SIGN HANGER ASSEMBLY (SMD-2)	EA	6		
51	51963	REMOVE EXISTING SIGNAL EQUIPMENT	LS	2		
52	52002	CONTROLLER WITH CABINET	EA	2		
53	52002	REUSE EMERGENCY PREEMPTION 3-WAY	EA	1		
54	52002	REUSE EMERGENCY PREEMPTION 2-WAY	EA	1		
55	52002	EMERGENCY PREEMPTION 1-WAY	EA	1		
56	52403	PEDESTRAIN SIGNAL HEAD SP-8	EA	16		
57	52425	ELECTRICAL SERVICE SE-3 TYPE B	EA	2		
58	54105	ERAD. OF EXIST. PAVE. MARKING	LF	450		
59	54105	ERAD. OF EXIST. NONLIINEAR PAV. MARK.	SF	20		
60	54466	CONST. PAVE MARKING 6"	LF	650		
61	54510	CONST. PAVE MARKING 4"	LF	180		
62	54524	CONSTR.PAVE.MARK.(TY.D,CL.II)24"	LF	12		
63	55587	JUNCTION BOX JB-S2	EA	9		
64	55588	JUNCTION BOX JB-S3	EA	4		

65	56038	NS UTILITY DUCT BANK (Conduit x4, spacer cap & aggregate base)	LF	457		
66	56202	MOD. TRENCH EXCAVATION (Utility Duct Bank)	LF	457		
67	56014	ELECTRICAL SERVICE GROUNDING ELECTRODE 10'	EA	10		
68	56021	1" CONDUIT (SCHEDULE 80 PVC)	LF	369		
69	56053	2" CONDUIT (SCHEDULE 80 PVC)	LF	807		
70	56054	3" CONDUIT (SCHEDULE 80 PVC)	LF	21		
71	56202	TRENCH EXCAVATION ECI-2	LF	245		
72	56205	TEST BORE	EA	2		
73	85012	NS FLAGPOLE BASE	EA	7		

Total Bid