



ADDENDUM #2

ITB NUMBER: 2014034-PW-B

Main Street Streetscape Phase 2 ITB

DATE: February 26, 2014

TO: All Potential Proposers

City of Harrisonburg's Main Street Streetscape Phase 2 ITB (2014034-PW-B), is modified as follows:

1. *Question:* I don't see any where on the plans how to be paid for the areas where no sidewalk, curb and gutter, pavers' etc are to be remove and replaced on the eastside of the project where no work is to be done other than traffic signal installation, in order to install those items, - conduit, junction boxes, foundations, trench ?

Answer: Per sheet 2A, Streetscape Note 2, Contractor is responsible to restore existing brick pavers to previous condition were they are disturbed or removed for signal, ped. pole, and junction box installation. The cost for replacement/restoration should be included in the cost of those items.

2. *Question:* Some poles foundations call for PF-8, some say PF-1 bid sheet says PF-1 which is it?

Answer: PF-8 shall be used for the E Market/Court Square foundations. That is the only location that is noted as PF-1 on the plans. Plans and Bid form will be revised to show all foundations as PF-8.

3. *Question:* Plans sheet 7(4) note 1 shows service being mounted on a pedestrian pole with ped heads and ped button, is that correct?

Answer: This is incorrectly shown and shall be moved to the signal pole A.

4. *Question:* Note 28 cat5E, but there is no pay item.

Answer: Bid form will be revised to show 240' of cat5E cable.

5. *Question:* Plan sheet 7(4) conduit run A shows existing, do you know what size that conduit is, it shows 23 cable going through that.

Answer: There are currently (5) 3" conduits at this location. Four of the conduits are available for use.

6. *Questions from the construction cost estimate sheet.* Is item#13220 intended to be the base for item#10496 (NS paving-brick unit paving)? If so, I believe there is a quantity discrepancy.

Answer: Yes, item#13220 is intended to be the base for item #10496. Due to some areas of the sidewalk being over the existing storm vault there is no concrete sidewalk under the pavers in those areas. See plan sheet 2A, Sidewalk Structure Detail Water St. to S. Court Square.

7. *Question:* The summary sheet 7(1) refers to the poles as TY I & TY II which would indicate standard regional poles plus note 30. Adding black powder and a deco base to fit said standard regional poles.

Answer: Normal poles are to be used with custom fit bases.

8. *Question:* But in the special provisions page 3 section 3.2 it is calling for a 6 bolt pattern which is not a standard regional pole but a specific design built pole. It also refers to the old A86 contract but that info is with the state, city and the contractor who won that bid. So not knowing if special poles were added to that contract or if standard regional poles were used. Do you have copies of the submitted drawing that were used for the A86 project?

Answer: The 6-bolt pattern shall be used as specified in the signal provision documents. The special provisions have been revised, with section 3.2.1 now reading as follows: "Mast arm poles and arms shall meet standard Virginia Department of transportation standard PF-8. Mast arm poles shall have a six (6) bolt design."

9. *Question:* I am inquiring about the stamped cross walks on the plans than indicate they are, (NIC. To be done by city forces). I'm not sure what that means. Dynamic Surface Application's Ltd. Installs Imprint® which I have attached our spec. sheet if you are unfamiliar with this product. I am wondering if our Imprint material is something that would be considered being used?

Answer: NIC stands for "Not In Contract". These items and the final overlay of the area will be performed by the City next spring following completion of the project. The City will pursue a suitable stamped crosswalk material at that time.

10. *Question:* On sheet 7(4) note 5 mentions replacing a ped pole with an ornamental pedestal. Can you give more detail on what type of ornamental ped is required? Also are all of the other ped listed as standard PF-2 poles to be ornamental or standard VDOT PF2 alum ped poles in a natural finish.

Answer: Standard black ped. poles with custom built ornamental bases shall be used.

11. *Question:* The paver specifications for the Harrisonburg Main Street Streetscape Phase 2 job and noticed that it calls for red tactile warning pavers for all of the ADA ramps, however, everything that is currently existing in that area has grey tactile warning pavers. I was just wondering if you knew whether I should provide a quote with the red or grey pavers.

Answer: The tactile warning pavers used for this project shall match the existing tactile pavers currently in place downtown. The contractor shall submit a product sample for approval by the City prior to ordering this material. The "Red-15" designation shown on sheet 2B can be ignored.

12. As part of this addendum, a revised Bid Form is attached. Bidders shall make bid submissions using this new version of the Bid Form.

13. As part of this addendum, bidders shall review the revised Section 1000 Special Provisions: Specifications & Guidelines for Traffic Signal Projects. This revised section shall replace the original section in the bid document.

End Addendum #2

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

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

Authorized Signature

By: Pat Hilliard, CPPB
Purchasing Agent

Harrisonburg, VA Main Street Streetscape Phase 2
CONSTRUCTION BID SUMMARY UPC# 103587 (02-26-14)

LINE #	ITEM #	DESCRIPTION	UNIT	EST. QUANTITY	UNIT PRICE (\$)	AMOUNT (\$)
1	100	MOBILIZATION	LS	1		
2	101	CONSTRUCTION SURVEYING	LS	1		
3	6818	DROP INLET, DI-3B, L=6'	EA	1		
4	588	MOD UNDERDRAIN UD-4	LF	1059		
5	9056	MANHOLE MH-1 OR 2	LF	3		
6	9057	FRAME AND COVER MH-1	EA	1		
7	10121	AGGR. BASE MAT'L TY. I NO. 21A	TON	140		
8	10612	ASPH. CONC. BASE CR. TY. BM-25.0	TON	37		
9	12020	ST'D CURB CG-2	LF	125		
10	12600	ST'D COMB. CURB & GUTTER CG-6 (2' gutter)	LF	371		
11	12720	NS COMB. CURB & GUTTER CG-6 (1.5' gutter)	LF	688		
12	13108	CG-12 DETECTABLE WARNING SURFACE	SY	30		
13	13220	HYDR. CEMENT CONC. SIDEWALK 4"	SY	564		
14	51910	SAW CUTTING (FULL DEPTH)	LF	1288		
15	51248	NS. CONCRETE LIGHT POLE FOUNDATION	EA	4		
16	54510	CONST. PAVE MARKING 4"	LF	400		
17	54466	CONST. PAVE MARKING 6"	LF	200		
18	529	FLOWABLE BACKFILL	CY	34		
19	10478	#78 STONE AGGREGATE	TON	45		
20	59050	NS POLYMER JUNCTION BOX 24" X 24" (Telecom Conduit)	EA	4		
21	55581	JUNCTION BOX JB-R2 (Telecom Conduit)	EA	5		

Harrisonburg, VA Main Street Streetscape Phase 2
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22	55588	JUNCTION BOX JB-S3 (Telecom Conduit)	EA	5		
23	56038	4" HDPE SDR 9 (Telecom Conduit)	LF	520		
24	56038	4" HDPE SDR 13.5 (Telecom Conduit)	LF	606		
25	56202	MOD TRENCH EXCAVATION (Telecom Conduit)	LF	1126		
26	38955	NS LANDSCAPE-ROOF DRAIN CHANNEL	LF	3		
27	38950	NS LANDSCAPE- ROOF DRAIN COVER	EA	3		
28	10496	NS PAVING-BRICK UNIT PAVING (INCLUDES SAND AND AGGREGATE BASE)	SF	9675		
29	10496	NS PAVING-CONCRETE UNIT PAVING (INCLUDES SAND AND AGGREGATE BASE)	SF	414		
30	13120	NS ENTRANCE CONCRETE (UNDER PAVERS)	SY	46		
31	90000	EARTHWORK	LS	1		
32	24430	DEMOLITION OF PAVEMENT (FLEXIBLE)	SY	526		
33	27461	INLET PROTECTION, TYPE B	EA	14		
34	24832	NS ADJUST EXIST. MANHOLE	EA	7		
35	24160	CONSTRUCTION SIGNS	SF	140		
36	24278	GROUP 2 CHANNELIZING DEVICES	DAY	3600		
37	24282	FLAGGER SERVICE	HR	1200		
38	24150	TYPE III BARRICADE 4'	EA	14		
39	23560	TEMP. SAFETY FENCE	LF	500		
40	24293	TEMP SAFETY BARRIER	LF	200		
41	24430	TEMP. PEDESTRIAN CROSSING	EA	7		
42	24430	TEMP PEDESTRIAN RAMPS	EA	2		
43	24430	TEMP. SAFETY FENCE POSTS	EA	100		

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44	24279	MESSAGE BOARD	HR	672		
45	24287	WARNING LIGHT TYPE A	DAY	120		
46	24430	DEMOLITION OF PAVEMENT (FLEXIBLE)	SY	39.3		
47	50902m	LED LIGHTED STREET NAME SIGNS	EA	11		
48	52002	CONTROLLER WITH CABINET	EA	4		
49	52002	TRAFFIC SIGNAL HEAD 12" GREEN BALL LED	EA	14		
50	52002	TRAFFIC SIGNAL HEAD 12" YELLOW BALL LED	EA	14		
51	52002	TRAFFIC SIGNAL HEAD 12" RED BALL LED	EA	14		
52	52002	TRAFFIC SIGNAL HEAD 12" GREEN ARROW LED	EA	9		
53	52002	TRAFFIC SIGNAL HEAD 12" YELLOW ARROW LED	EA	9		
54	52002	TRAFFIC SIGNAL HEAD 12" RED ARROW LED	EA	9		
55	51198	ACCESSIBLE PEDESTRIAN ACTUATION PA-2	EA	34		
56	51210	ORNAMENTAL PEDESTAL POLE PF-2, 10'	EA	14		
57	51238	PF-8 CONCRETE FOUNDATION FOR SIGNAL POLE	CY	50		
58	51240	CONCRETE FOUNDATION PF-2	EA	15		
59	51245	CONCRETE CABINET FOUNDATION CF-1	EA	4		
60	51425	ORNAMENTAL MAST ARM POLE TYPE I	EA	2		
61	51425	ORNAMENTAL MAST ARM POLE TYPE II (DUAL-ARM POLE)	EA	3		
62	51425	ORNAMENTAL SIGNAL POLE MAST ARM 22'	EA	1		
63	51425	ORNAMENTAL SIGNAL POLE MAST ARM 24'	EA	1		
64	51425	ORNAMENTAL SIGNAL POLE MAST ARM 26'	EA	4		
65	51425	ORNAMENTAL SIGNAL POLE MAST ARM 36'	EA	1		

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66	51425	ORNAMENTAL SIGNAL POLE MAST ARM 40'	EA	2		
67	51607	14/7 CONDUCTOR CABLE	LF	7978		
68	51614	8/1 CONDUCTOR CABLE	LF	309		
69	51601	14/3 CONDUCTOR CABLE	LF	5331		
70	51614	EMERGENCY VEHICLE PREEMPTION DETECTOR CABLE	LF	1562		
71	51700	EMERGENCY VEHICLE PREEMPTION CONFIRMATION BEACON CABLE (14/2 SHIELDED)	LF	1562		
72	51830	HANGER ASSEMBLY SM-3, ONE WAY	EA	21		
73	51840	SIGN HANGER ASSEMBLY (SMD-2)	EA	35		
74	51951	SIGN PANEL - FURNISH AND INSTALL	SF	83.75		
75	519.63	REMOVE EXISTING SIGNAL EQUIPMENT	LS	4		
76	52002	UNITERRUPTIBLE POWER SUPPLY	EA	4		
77	52002	UNITERRUPTIBLE POWER SUPPLY BATTERY	EA	32		
78	52002	UNITERRUPTIBLE POWER SUPPLY CABINET	EA	4		
79	52002	EMERGENCY PREEMPTION 2-WAY	EA	2		
80	52002	EMERGENCY PREEMPTION 3-WAY	EA	1		
81	52002	EMERGENCY PREEMPTION 4-WAY	EA	1		
82	52403	PEDESTRAIN SIGNAL HEAD SP-8	EA	34		
83	52405	ELECTRICAL SERVICE SE-3 TYPE B	EA	2		
84	52424	ELECTRICAL SERVICE SE-3 TYPE A	EA	1		
85	55343	ELECTRICAL SERVICE SE-6 TYPE B	EA	1		
86	55586	JUNCTION BOX JB-S1	EA	2		
87	55587	JUNCTION BOX JB-S2	EA	7		

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88	55588	JUNCTION BOX JB-S3	EA	4		
89	56014	ELECTRICAL SERVICE GROUNDING ELECTRODE 10'	EA	20		
90	56021	1" CONDUIT (SCHEDULE 80 PVC)	LF	123		
91	56042	2" CONDUIT (SCHEDULE 80 PVC)	LF	257		
92	56042	3" CONDUIT (SCHEDULE 80 PVC)	LF	110		
93	56050	2" HDPE (DIRECTIONAL BORE)	REMOVED			
94	56050	3" HDPE (DIRECTIONAL BORE)	REMOVED			
95	56200	TRENCH EXAVATION ECH-1	LF	159		
96	56205	TEST BORE	EA	5		
97	51426	TEMPORARY TRAILER MOUNTED MAST ARM	EA	1		
98	51425	TEMPORARY TRAILER MOUNTED PEDESTAL POLE	EA	1		
99	17329	POST (WOOD, CONC., OR STEEL)	EA	18		
100	17357	END POST CAPS, GR-3	EA	18		
101	50108	SIGN PANEL	SF	113.75		
102	50490	CONCRETE FOUNDATION STP-1	EA	18		
103	50600	REMOVE TYP 1 SIGNS	EA	19		
104	50795	RELOC. EXIST. SIGN PANEL TY. SP-1	EA	13		
105	51614	CAT 5 OUTDOOR CABLE	LF	240		
		TOTAL				

Harrisonburg, VA Main Street Streetscape Phase 2 (Wolfe Street Intersection Additive)

CONSTRUCTION BID SUMMARY UPC# 103587 (02-26-14)

Line #	ITEM #	DESCRIPTION	UNIT	EST. QUANTITY	UNIT PRICE (\$)	AMOUNT (\$)
1	10121	AGGR. BASE MAT'L TY. I NO. 21A	TON	15		
2	10612	ASPH. CONC. BASE CR. TY. BM-25.0	TON	4		
3	12600	COMB. CURB & GUTTER CG-6	LF	140		
4	13108	CG-12 DETECTABLE WARNING SURFACE	SY	8		
5	13220	HYDR. CEMENT CONC. SIDEWALK 4"	SY	52		
6	51910	SAW CUTTING (FULL DEPTH)	LF	164		
7	10496	NS PAVING-BRICK UNIT PAVING (INCLUDES SAND AND AGGREGATE BASE)	SF	468		
8	90000	EARTHWORK	LS	1		
9	24430	DEMOLITION OF PAVEMENT (FLEXIBLE)	SY	16		
10	27461	INLET PROTECTION, TYPE B	EA	4		
11	50902m	LED LIGHTED STREET NAME SIGNS	EA	3		
12	52002	CONTROLLER WITH CABINET	EA	1		
13	52002	TRAFFIC SIGNAL HEAD 12" GREEN BALL LED	EA	6		
14	52002	TRAFFIC SIGNAL HEAD 12" YELLOW BALL LED	EA	6		
15	52002	TRAFFIC SIGNAL HEAD 12" RED BALL LED	EA	6		
16	51198	ACCESIBLE PEDESTRIAN ACTUATION PA-2	EA	8		
17	51210	ORNAMENTAL PEDESTAL POLE PF-2, 10'	EA	3		
18	51238	PF-8 CONCRETE FOUNDATION FOR SIGNAL POLE	CY	10		
19	51240	CONCRETE FOUNDATION PF-2	EA	3		

Harrisonburg, VA Main Street Streetscape Phase 2 (Wolfe Street Intersection Additive)

CONSTRUCTION BID SUMMARY UPC# 103587 (02-26-14)

20	51245	CONCRETE CABINET FOUNDATION CF-1	EA	1		
21	51425	ORNAMENTAL MAST ARM POLE TYPE I	EA	1		
22	51425	ORNAMENTAL SIGNAL POLE MAST ARM 64'	EA	1		
23	51607	14/7 CONDUCTOR CABLE	LF	1405		
24	51614	8/1 CONDUCTOR CABLE	LF	21		
25	51601	14/3 CONDUCTOR CABLE	LF	998		
26	51614	EMERGENCY VEHICLE PREEMPTION DETECTOR CABLE	LF	284		
27	51700	EMERGENCY VEHICLE PREEMPTION CONFIRMATION BEACON CABLE (14/2 SHIELDED)	LF	284		
28	51830	HANGER ASSEMBLY SM-3, ONE WAY	EA	6		
29	51840	SIGN HANGER ASSEMBLY (SMD-2)	EA	2		
30	51951	SIGN PANEL - FURNISH AND INSTALL	SF	10		
31	519.63	REMOVE EXISTING SIGNAL EQUIPMENT	LS	1		
32	52002	UNINTERRUPTIBLE POWER SUPPLY	EA	1		
33	52002	UNINTERRUPTIBLE POWER SUPPLY BATTERY	EA	8		
34	52002	UNINTERRUPTIBLE POWER SUPPLY CABINET	EA	1		
35	52002	EMERGENCY PREEMPTION 3-WAY	EA	1		
36	52403	PEDESTRAIN SIGNAL HEAD SP-8	EA	8		
37	52405	ELECTRICAL SERVICE SE-3 TYPE B	EA	3		
38	52424	ELECTRICAL SERVICE SE-3 TYPE A	EA	1		
39	55586	JUNCTION BOX JB-S1	EA	2		

Harrisonburg, VA Main Street Streetscape Phase 2 (Wolfe Street Intersection Additive)

CONSTRUCTION BID SUMMARY UPC# 103587 (02-26-14)

40	55587	JUNCTION BOX JB-S2	EA	1		
41	55588	JUNCTION BOX JB-S3	EA	1		
42	56014	ELECTRICAL SERVICE GROUNDING ELECTRODE 10'	EA	5		
43	56021	1" CONDUIT (SCHEDULE 80 PVC)	LF	32		
44	56042	2" CONDUIT (SCHEDULE 80 PVC)	LF	58		
45	56042	3" CONDUIT (SCHEDULE 80 PVC)	LF	28		
46	56050	2" HDPE (DIRECTIONAL BORE)	REMOVED			
47	56050	3" HDPE (DIRECTIONAL BORE)	REMOVED			
48	56200	TRENCH EXAVATION ECI-2	LF	687		
49	56205	TEST BORE	EA	1		
		SIGN ITEMS (INCLUDED IN BASE BID)				
		MOT (INCLUDED IN BASE BID)				
		TOTAL				

Section 1000 Special Provisions

Specifications & Guidelines for Traffic Signal Projects

Revised

February 10, 2014

City of Harrisonburg, VA
Public Works Department
Traffic Engineering Division



1. INTRODUCTION

These guidelines and specifications set forth the minimum requirements for traffic signal projects in the City of Harrisonburg, VA. All items included in this specification must be included as part of the project unless otherwise noted. Separate specification documents are attached below for the control cabinet assembly and traffic signal controller. Please also refer to the attached manufacturer product specification sheets for additional information.

Three printed copies and one (1) digital copy of as-built plans shall be supplied to the Public Works Department and include specifications for mast arm poles and pole foundations. Cut sheets shall be supplied for all proposed items that differ from what is specified in this document.

Contractor shall provide the Traffic Superintendent a weekly work schedule at the beginning of each week with progress report. A weekly installed quantities sheet will be required at the end of each work week. Any questions concerning these specifications should be directed to Shawn Adams, Traffic General Supervisor, or Brad Reed, Transportation Planner, at (540) 434-5928.

2. CONTROL CABINET & COMPONENTS

2.1. CONTROL CABINET

2.1.1. The control cabinet shall be an Econolite model Plug & Go M49 TS2 Type 1 enclosure as per City of Harrisonburg specifications.

2.2. COMPONENTS

2.2.1. Traffic controller shall be an Econolite model ASC/3-2100, with Ethernet and Data Key capability.

2.2.2. Malfunction Management Unit (MMU) shall be a Reno A&E model MMU-1600GE, with Ethernet capability.

2.2.3. UPS battery backup shall be a Tesco Controls model 22000, 1000-watt system.

2.2.4. 100-Amp A/C power service shall be permitted and inspected by the contractor through the Community Development Department (540) 432-7700. Contractor is responsible for installing power service, which shall be brought through a 100-Amp service disconnect, Midwest Electric Products, Inc. Model M101CP6 or equivalent.

2.2.5. Global Traffic Technologies (GTT) Opticom Infrared Emergency Preemption System shall be used. This system shall include model 754 Phase Selector, model 760 Card Rack, model 758 Auxiliary Interface Panel, and model 721 Detectors with confirmation lights (one for each approach).

3. MAST ARMS & POLES

3.1. POLE FOUNDATIONS

3.1.1. Pole foundations shall be designed for a maximum arm length of 70 feet.

3.1.2. The maximum load capacity shall be figured to include the weight of internally-illuminated LED street signs.

3.1.3. All pole foundations shall be inscribed with the dimensions of the foundation and number of conduits and direction they come out of foundation.

3.2. MAST ARMS & POLES

3.2.1. Mast arm poles and arms shall meet standard Virginia Department of Transportation standard PF-8. Mast arm poles shall have a six (6) bolt design.

3.2.2. Mast arms poles and arms shall be black powder coated.

3.2.3. A black decorative clamshell base cover shall be custom sized for and installed on each traffic signal pole. The base cover shall be Valmont Structures (Valmont Industries, Inc.) Enduro Line Washington Style or equivalent. Specifications for these items shall be approved by the Harrisonburg Public Works Department prior to ordering.

3.2.4. Mast arm (or strain poles, if applicable) shall be designed in accordance with the 1994 AASHTO Standard Specifications for Structure Supports for Highway Signs, Luminaries, and Traffic Signals.

3.2.5. Mast arm (or strain poles, if applicable) shall be designed to a minimum 90 mph wind load capacity.

4. POLE & ARM-MOUNTED DEVICES

4.1. SIGNAL HEADS

4.1.1. Signal heads shall be of 12-inch polycarbonate construction.

4.1.2. Signal heads shall be black and have black cut away visors.

4.1.3. Signal heads shall have aluminum louvered back plates of flat black color.

4.1.4. All signal heads shall have 12 inch Red, Amber and Green VDOT approved LED inserts.

4.1.5. Signal heads shall be mounted using ASTRO-brackets - Cable Mount Kit AB-3009.

4.1.6. Each signal head shall be wired using fourteen (14) AWG Stranded seven (7) conductor IMSA approved traffic signal cable pulled from control cabinet. Wiring for signal heads shall not be 'jumped' except for neutral wire within a 5-section head.

4.1.7. Signal heads shall be wired according to the following schema:

Red Wire – Red output

Orange Wire – Yellow output

Green Wire – Green output

White Wire – Neutral

Black/White Wire – Yellow Arrow (5-section head only)

Blue Wire – Green Arrow (5-section head only)

4.2. STREET SIGNS

4.2.1. LED lighted street signs shall be used for all streets at the intersection.

4.2.2. LED lighted street signs shall be manufactured by Transportation Control Systems, Inc., model 'Brite Lite'. Please contact the Public Works Department for approval of sign design.

4.2.3. LED lighted street sign power cable shall be fourteen (14) AWG stranded (3) conductor IMSA approved traffic signal cable pulled from control cabinet.

4.2.4. All signs shall meet requirements of the latest version of the Manual on Uniform Traffic Control Devices.

4.3. PEDESTRIAN SIGNALS

- 4.3.1. Pedestrian signal housing shall be 16" aluminum polycarbonate, black color.
- 4.3.2. Pedestrian signals shall meet VDOT standard SP-8 and be Leotek Model No. TSL-PED-16-CIL-9.
- 4.3.3. Pedestrian push buttons shall be of Accessible Pedestrian Signal (APS) design and be black. Please contact Shawn Adams at the Public Works Department for additional details as needed.
- 4.3.4. Pedestrian signals shall be mounted on separate aluminum, black powder coated pedestals and poles unless otherwise specified.
- 4.3.5. A black decorative clamshell base cover shall be custom sized for and installed on each pedestrian pole. The base cover shall be Valmont Structures (Valmont Industries, Inc.) Enduro Line Washington Style or equivalent. Specifications for these items shall be approved by the Harrisonburg Public Works Department prior to ordering
- 4.3.6. Pedestrian signal shall be wired using fourteen (14) AWG stranded seven (7) conductor IMSA approved traffic signal wire pulled from control cabinet.
- 4.3.7. Pedestrian push buttons shall be wired using fourteen (14) AWG stranded three (3) conductor IMSA approved traffic signal wire pulled from control cabinet.

5. CONDUITS & PULL BOXES

5.1. CONDUITS

- 5.1.1. All conduits shall be schedule 80 PVC pipe.

5.2. PULL BOXES

- 5.2.1. All pull Boxes shall be constructed of Armorcast Products Company 20K rated polymer concrete cover with polymer concrete ring.
- 5.2.2. Covers shall have the text 'TRAFFIC' stamped on top.
- 5.2.3. All conduits shall run under and turned up into the pull box. Conduits shall not be drilled into the side of the pull box.