

June 21, 2013

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATION
DEPARTMENT OF ADMINISTRATION

DIVISION OF PURCHASES BID NO. 7471369

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RHODE ISLAND CONTRACT NO.2013-CT-060

FEDERAL-AID PROJECT NO. FAP Nos: STPG-8888(212)

Contract 3 – State Traffic Commission

Atwood Avenue (Route 5) at Plainfield Street/Plainfield Pike (Route 14) and Atwood Avenue (Route 5) Walnut
Grove Avenue.

CITY/TOWN OF Cranston, Johnston

COUNTY OF PROVIDENCE

NOTICE TO PROSPECTIVE BIDDERS

ADDENDUM NO. 4 Prospective bidders and all concerned are hereby notified of the following changes in the Plans, Specifications, Proposal and Distribution of Quantities for this contract. These changes shall be incorporated in the Plans, Specifications, Proposal and Distribution of Quantities, and shall become an integral part of the Contract Documents.

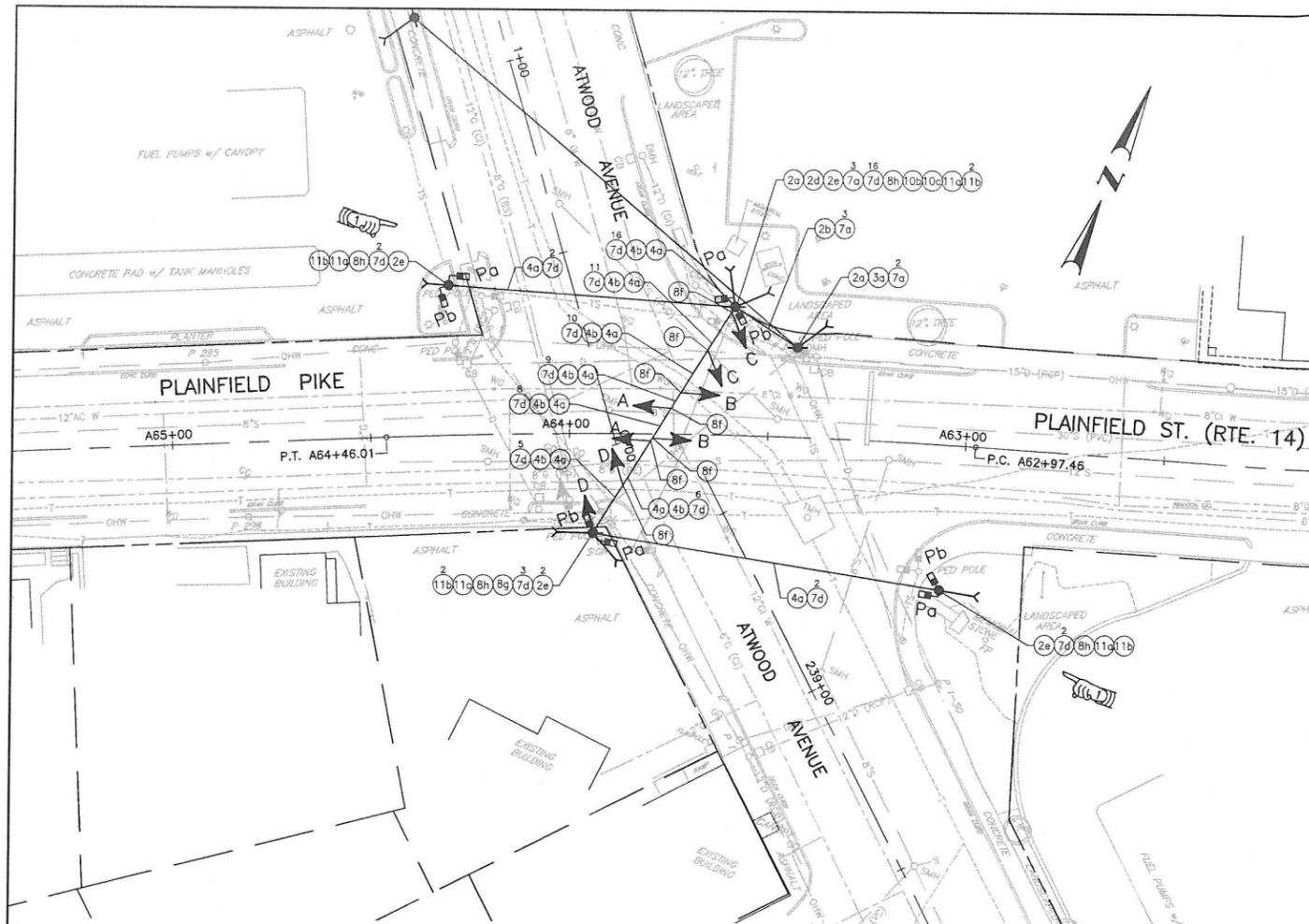
A. Clarification

1. Sheet 14(R-1)

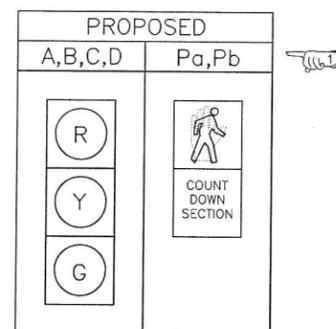
Sheet 14(R-1) was attached as a blank sheet in Addendum No.2. Sheet 14(R-1) has been attached to this Addendum No. 4.

FOR: 

RI Department of Transportation
Chief Engineer



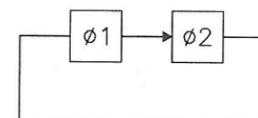
SIGNAL HEAD DATA



ALL 12" LENSES

ALL HOUSINGS SHALL BE POLYCARBONATE. LENSES SHALL BE LED.

PROPOSED PHASING SEQUENCE



TRAFFIC SIGNAL MATERIALS LIST

- 1a ■ HANDHOLE, TYPE A, PRECAST (R.I. STD. 18.2.0)
- 1b ■ BREAK INTO EXISTING HANDHOLE
- 2a ——— 2" RIGID STEEL CONDUIT (OVERHEAD)
- 2b ——— 2" RIGID STEEL CONDUIT (UNDERGROUND)
- 2c ——— 3" RIGID STEEL CONDUIT (UNDERGROUND)
- 2d ——— 3" RIGID STEEL CONDUIT (OVERHEAD)
- 3a ——— 2" PVC CONDUIT (OVERHEAD)
- 3b ——— 3" PVC CONDUIT (UNDERGROUND)(40)
- 3c ——— 3" PVC CONDUIT (UNDER EXIST. PAVEMENT)(80)
- 4a ——— 6/16" SPAN & MESSENGER WIRE
- 4b ——— 1/4" TETHER WIRE
- 5a ● 8' ALUMINUM PEDESTAL POLE (R.I. STD. 19.4.0)
- 5b ● 10' ALUMINUM PEDESTAL POLE (R.I. STD. 19.4.0)
- 6a ——— 20" STEEL CURVED MAST ARM W/POLE & FOUNDATION (R.I. STD. 19.2.0)
- 6b ——— 25" STEEL CURVED MAST ARM W/POLE & FOUNDATION (R.I. STD. 19.2.0)
- 6c ——— 30" STEEL CURVED MAST ARM W/POLE & FOUNDATION (R.I. STD. 19.2.0)
- 6d ——— 35" STEEL CURVED MAST ARM W/POLE & FOUNDATION (R.I. STD. 19.2.0)
- 7a ——— CABLE, SINGLE CONDUCTOR, NO. 6 A.W.G., 600V INSULATION
- 7b ——— LOOP DETECTOR SHIELDED, TWISTED CABLE, 2 CONDUCTOR, NO. 14 A.W.G.
- 7c ——— CABLE, 3 CONDUCTOR, NO. 14 A.W.G.
- 7d ——— CABLE, 5 CONDUCTOR, NO. 14 A.W.G.
- 7e ——— CABLE, 7 CONDUCTOR, NO. 14 A.W.G.
- 8a ← SIGNAL HEAD, 1 WAY, 3 SECTION, 12 INCH, MAST ARM MOUNTED
- 8b ← SIGNAL HEAD, 1 WAY, 4 SECTION, 12 INCH, MAST ARM MOUNTED
- 8c ← SIGNAL HEAD, 1 WAY, 3 SECTION, 12 INCH, BRACKET MOUNTED
- 8d ← PEDESTRIAN SIGNAL HEAD, 1-WAY, 2 SECTION, 12 INCH, PEDESTAL MOUNTED
- 8e ← PEDESTRIAN SIGNAL HEAD, 1-WAY, 2 SECTION, 12 INCH, BRACKET MOUNTED
- 8f ← SIGNAL HEAD, 1-WAY, 3 SECTION, 12 INCH, SPAN MOUNTED, POLYCARBONATE HOUSING.
- 8g ← SIGNAL HEAD, 1-WAY, 3 SECTION, 12 INCH, BRACKET MOUNTED, POLYCARBONATE HOUSING.
- 9a ——— TRAFFIC DETECTORS, LOOP TYPE (R.I. STD. 19.6.0)
- 9b ——— HEAVY DUTY PEDESTRIAN DETECTOR PUSH BUTTON WITH SIGN
- 9c ——— LOOP DETECTOR RELAY, 4-CHANNEL
- 9d ——— HEAVY DUTY PEDESTRIAN DETECTOR PUSH BUTTON WITH SIGN AND AUDIBLE PEDESTRIAN SIGNAL EQUIPMENT
- 10a ⊠ CONTROLLER, 8 PHASE W/8 PHASE FRAME, GROUND MOUNTED INCLUDING CABINET ON EXISTING FOUNDATION.
- 10b ⊠ METER SOCKET WITH MANUAL BY-PASS
- 10c ⊠ CONTROLLER, 2 PHASE W/4 PHASE FRAME, POLE MOUNTED INCLUDING CABINET.
- 10d ⊠ CONTROLLER CABINET W/8 PHASE FRAME AND FOUNDATION
- 10e ⊠ RELOCATE EXISTING CONTROLLER TO NEW CABINET
- 11a ● 30 FOOT WOOD SPAN POLE, CLASS 3
- 11b ——— GUY ANCHOR ASSEMBLY

APPROXIMATE QUANTITIES

ITEM	DESCRIPTION	QUANTITY
2a	2" RIGID STEEL CONDUIT (OVERHEAD)	15 LF
2b	2" RIGID STEEL CONDUIT (UNDERGROUND)	25 LF
2d	3" RIGID STEEL CONDUIT (OVERHEAD)	20 LF
2e	1 1/2" RIGID STEEL CONDUIT (OVERHEAD)	75 LF
3a	2" PVC CONDUIT (OVERHEAD)	15 LF
4a	6/16" SPAN & MESSENGER WIRE	250 LF
4b	1/4" TETHER WIRE	80 LF
7a	CABLE, SINGLE CONDUCTOR, NO. 6 A.W.G., 600V INSULATION	210 LF
7d	CABLE, 5 CONDUCTOR, NO. 14 A.W.G.	1540 LF
8f	SIGNAL HEAD, 1-WAY, 3 SECTION, 12 INCH, SPAN MOUNTED	7 EA
8g	SIGNAL HEAD, 1-WAY, 3 SECTION, 12 INCH, BRACKET MOUNTED.	1 EA
8h	PEDESTRIAN SIGNAL HEAD, 2-WAY, 2 SECTION, 12 INCH, BRACKET MOUNTED.	4 EA
10b	METER SOCKET WITH MANUAL BY-PASS	1 EA
10c	CONTROLLER, 2 PHASE W/4 PHASE FRAME, POLE MOUNTED INCLUDING CABINET.	1 EA
11a	TEMPORARY SPAN POLE, 30 FOOT WOOD, CLASS 3	4 EA
11b	GUY ANCHOR ASSEMBLY	6 EA

NOTES:

- THE CONTRACTOR IS RESPONSIBLE FOR SUPPLYING ALL MATERIALS.
- THE CONTROLLER AND SIGNAL HEADS SHALL BE SALVAGED TO R.I.D.O.T. MAINTENANCE DIVISION. ALL OTHER MATERIALS SHALL BE REMOVED AND DISPOSED.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES. APPROXIMATE QUANTITIES ARE SHOWN FOR INFORMATIONAL PURPOSES.
- SIGNAL HEAD LOCATIONS SHALL BE ADJUSTED IN THE FIELD SUCH TO ELIMINATE CONFLICTS WITH EXISTING SIGNAL HEADS.
- HEADS SHALL BE COVERED UNTIL OPERATIONAL.
- ALL APPLICABLE SECTIONS OF THE STANDARD SPECIFICATIONS SHALL APPLY.

PROPOSED SIGNAL PHASING AND TIMING PLAN

		Ø1				Ø2			
		GREEN	CL1	CL2	GREEN	CL1	CL2		
TIMING VALUES		30	3.5	2	23	3.5	2.5	FLASH	
SIGNAL HEADS	A	G	Y	R	R	R	R	R	
	B	G	Y	R	R	R	R	R	
	C	R	R	R	G	Y	R	Y	
	D	R	R	R	G	Y	R	Y	
PEDESTRIAN TIMINGS	WALK				WALK				
	FDW	10			7			16	
PED HEADS	Pa	W	FDW	DW	DW				OFF
	Pb	DW			W	FDW	DW	OFF	
RECALL/MEMORY	NON-ACTUATED				NON-ACTUATED				

REVISIONS			RHODE ISLAND DEPARTMENT OF TRANSPORTATION	
NO.	DATE	BY		
1	6/18/13	B.S.L.		

CONTRACT 3 - STATE TRAFFIC COMMISSION

CRANSTON & JOHNSTON, RHODE ISLAND

TEMPORARY SIGNAL PLAN - 1
TRAFFIC SIGNAL NO. 012
ATWOOD AVE. (RTE. 5) AT PLAINFIELD ST. (RTE. 14)

CHECKED BY _____ DATE _____ SCALE 1" = 20'

