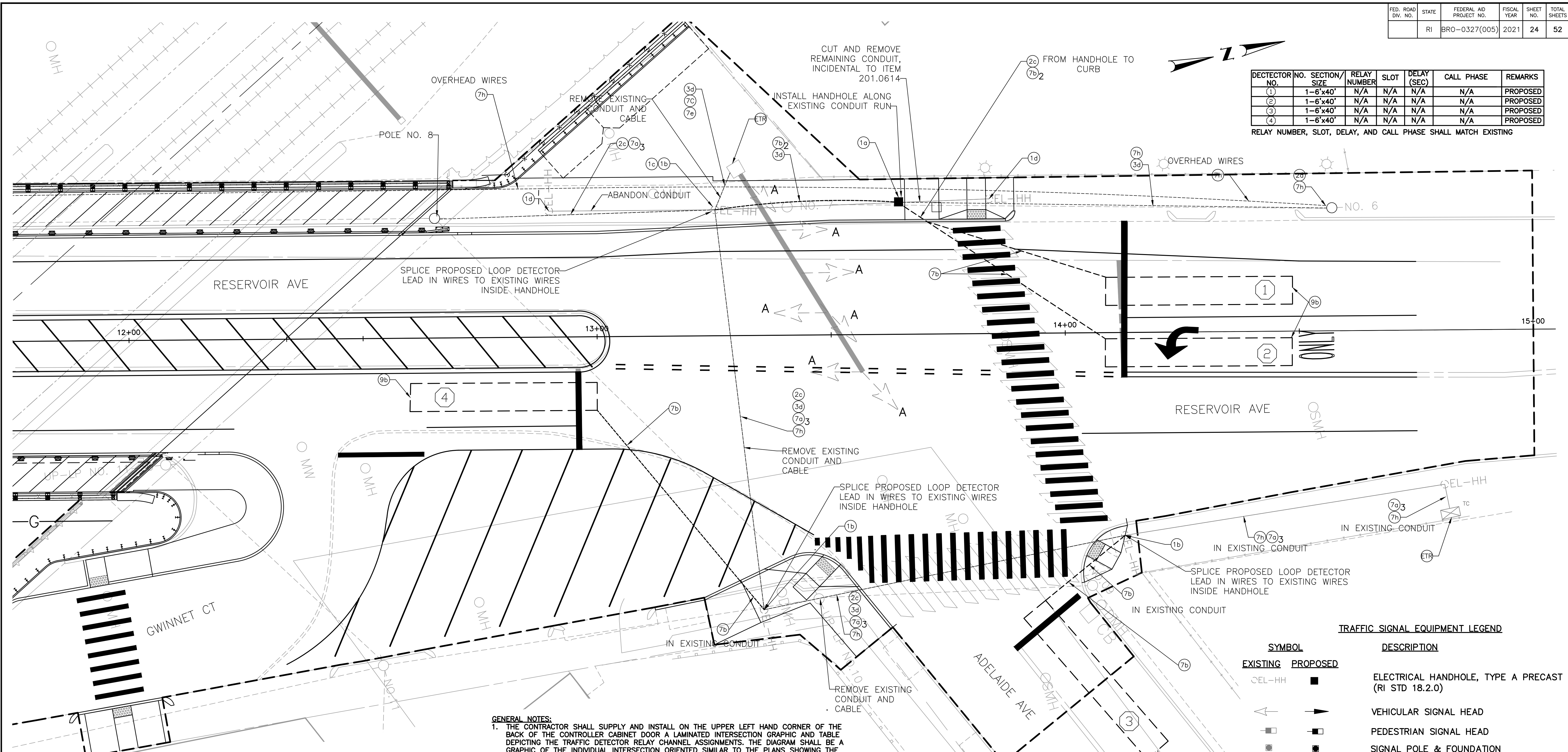


DETECTOR NO.	NO. SECTION/ SIZE	RELAY NUMBER	SLOT	DELAY (SEC)	CALL PHASE	REMARKS
1	1-6'x40'	N/A	N/A	N/A	N/A	PROPOSED
2	1-6'x40'	N/A	N/A	N/A	N/A	PROPOSED
3	1-6'x40'	N/A	N/A	N/A	N/A	PROPOSED
4	1-6'x40'	N/A	N/A	N/A	N/A	PROPOSED

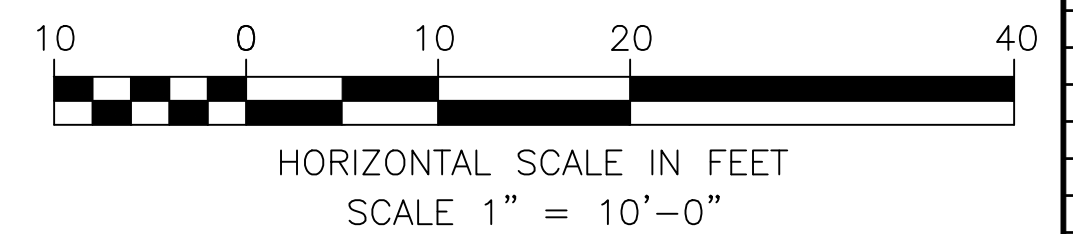
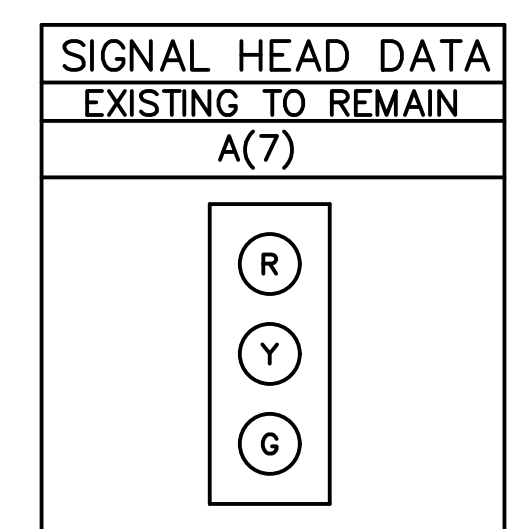
RELAY NUMBER, SLOT, DELAY, AND CALL PHASE SHALL MATCH EXISTING



TRAFFIC SIGNAL EQUIPMENT LEGEND

SYMBOL	DESCRIPTION
EL-HH	ELECTRICAL HANDHOLE, TYPE A PRECAST (RI STD 18.2.0)
←	VEHICULAR SIGNAL HEAD
⊞	PEDESTRIAN SIGNAL HEAD
⊙	SIGNAL POLE & FOUNDATION
⊕	PEDESTRIAN PUSH BUTTON
□	TRAFFIC WIRE LOOP DETECTOR (RI STD 19.6.0A & 19.6.0B)

- GENERAL NOTES:**
- THE CONTRACTOR SHALL SUPPLY AND INSTALL ON THE UPPER LEFT HAND CORNER OF THE BACK OF THE CONTROLLER CABINET DOOR A LAMINATED INTERSECTION GRAPHIC AND TABLE DEPICTING THE TRAFFIC DETECTOR RELAY CHANNEL ASSIGNMENTS. THE DIAGRAM SHALL BE A GRAPHIC OF THE INDIVIDUAL INTERSECTION ORIENTED SIMILAR TO THE PLANS SHOWING THE LOCATIONS OF EACH OF THE LOOP DETECTORS. THE DIAGRAM SHALL, AT A MINIMUM, INCLUDE DETECTOR NUMBERS, STREET NAME LABELS, NORTH ARROW, AND CONTROLLER, THE APPROACH NAME, DETECTOR NUMBER, TERMINAL NUMBER, DETECTOR RACK SLOT NUMBER, RELAY NUMBER, RELAY CHANNEL NUMBER, AND PHASE ASSOCIATED WITH EACH DETECTOR.
 - A BARE GROUND WIRE SHALL BE PLACED IN ALL PVC CONDUITS AND SHALL BE BONDED TO GROUND RODS IN ACCORDANCE WITH SECTION T.03 OF THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. "BARE GROUND WIRE" WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE PRICE OF PVC CONDUIT ITEMS.
 - FINAL PLACEMENT OF SIGNAL HEADS, DETECTORS, STOP BARS AND CROSSWALKS TO BE DETERMINED IN THE FIELD DURING CONSTRUCTION ACCORDING TO OBSERVED INTERSECTION CHARACTERISTICS BY THE ENGINEER.
 - A 2-FOOT MINIMUM BUFFER SHALL BE PROVIDED BETWEEN THE CURB AND ALL LATERAL OBSTRUCTIONS (INCLUDING ALL SIGNAL POLES AND TRAFFIC/PEDESTRIANS SIGNAL HEADS) TO PROVIDE ADEQUATE CLEARANCE FOR TURNING VEHICLES.
 - WHEN PLACING TRAFFIC SIGNAL HANDHOLES OR CONDUIT IN EXISTING PORTLAND CEMENT CONCRETE SIDEWALKS, THE ENTIRE SIDEWALK SQUARE OF CONCRETE SHALL BE REPLACED IN ACCORDANCE WITH R.I. STANDARD 43.1.0. NO PATCHES WILL BE ALLOWED.
 - ALL LOOP DETECTORS SHALL BE CENTERED WITHIN EACH LANE AS DELINEATED, UNLESS OTHERWISE DIMENSIONED ON PLANS.
 - ALL LOOP DETECTORS SHALL BE CUT INTO THE FINAL PAVEMENT SURFACE COURSE.
 - THE SIGNAL SHALL OPERATE IN "FREE" MODE DURING TIMES WHEN A PLAN IS NOT CALLED FOR.
 - ALL PHYSICAL EQUIPMENT EXISTING TO REMAIN INCLUDING, BUT NOT LIMITED TO: SIGNING, STRIPING, MAST ARMS, POLES, PEDESTRIAN HEADS, CABINET, DETECTOR EQUIPMENT, AND ALL SIGNAL EQUIPMENT.
 - TRAFFIC SIGNAL TIMING, PHASING AND COORDINATION TO REMAIN AS EXISTING CONDITIONS.
 - ANY DAMAGE DONE BY CONTRACTOR TO EXISTING TRAFFIC SIGNAL EQUIPMENT, CONDUIT OR CABLE SHALL BE REPLACED AT NO EXPENSE TO THE PROJECT.



No.	SYMBOL	ITEM CODE	DESCRIPTION
1a	■	T05.0100	HANDHOLE TYPE A - PRECAST STD. 18.2.0
1b	■	T05.0400	BREAK INTO EXISTING HANDHOLE
1c	■	T05.1030	ADJUST HANDHOLE TO GRADE
1d	■	201.0614	REMOVE AND STOCKPILE HANDHOLES - TYPE A
2a	■	T06.2020	2" RIGID STEEL CONDUIT (OVERHEAD)
2b	■	T06.1020	2" RIGID STEEL CONDUIT (UNDERGROUND)
2c	■	T06.3030	3" RIGID STEEL CONDUIT (UNDERGROUND)
3a	■	T06.6020	2" PVC CONDUIT (OVERHEAD)
3d	■	T06.9910	4 INCH POLYVINYL CHLORIDE PLASTIC CONDUIT (SCHEDULE 40) UNDERGROUND
5a	●	T11.2008	TRAFFIC SIGNAL STANDARD, 8 FOOT, ALUMINUM PEDESTAL POLE AND FOUNDATION STD 19.4.0
7a	■	T04.5002	CABLE, SINGLE CONDUCTOR 6 A.W.G. 600V INSULATION
7b	■	T04.5302	14 AWG 2 CONDUCTOR TWISTED SHIELDED CABLE
7c	■	T04.5303	14 AWG 3 CONDUCTOR CABLE
7d	■	T04.5305	14 AWG 5 CONDUCTOR CABLE
7e	■	T04.5407	14 AWG 7 CONDUCTOR CABLE
7h	■	T04.9901	6 PAIR NO. 19 AWG COMMUNICATION CABLE, 300V INSULATION (IMS 39-2 OR 40-2)
7i	■	T04.9903	ADVANCED VIDEO DETECTION SYSTEM CABLE (AS SPECIFIED BY MANUFACTURER)
8e	■	T04.9902	1 WAY 2 SECTION PEDESTAL MOUNTED LED PEDESTRIAN SIGNAL HEAD 12 INCH W/COUNTDOWN TIMER
9b	■	T13.1000	TRAFFIC DETECTOR - LOOP STANDARD 19.6.0
9d	■	T13.8210	ACCESSIBLE PEDESTRIAN BUTTON DETECTOR WITH SIGN AND ASSOCIATED EQUIPMENT
9g	■	T13.9905	ADVANCED VIDEO DETECTION SYSTEM CAMERA

REVISIONS

NO.	DATE	BY

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE REPLACEMENT
RESERVOIR AVE. RR BRIDGE NO. 327
PROVIDENCE, RHODE ISLAND

TRAFFIC SIGNAL PLAN
ADELAIDE AVE & RESERVOIR AVE
SHEET 4 OF 4

CHECKED BY WJM DATE 11/23/2020 SCALE AS NOTED

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