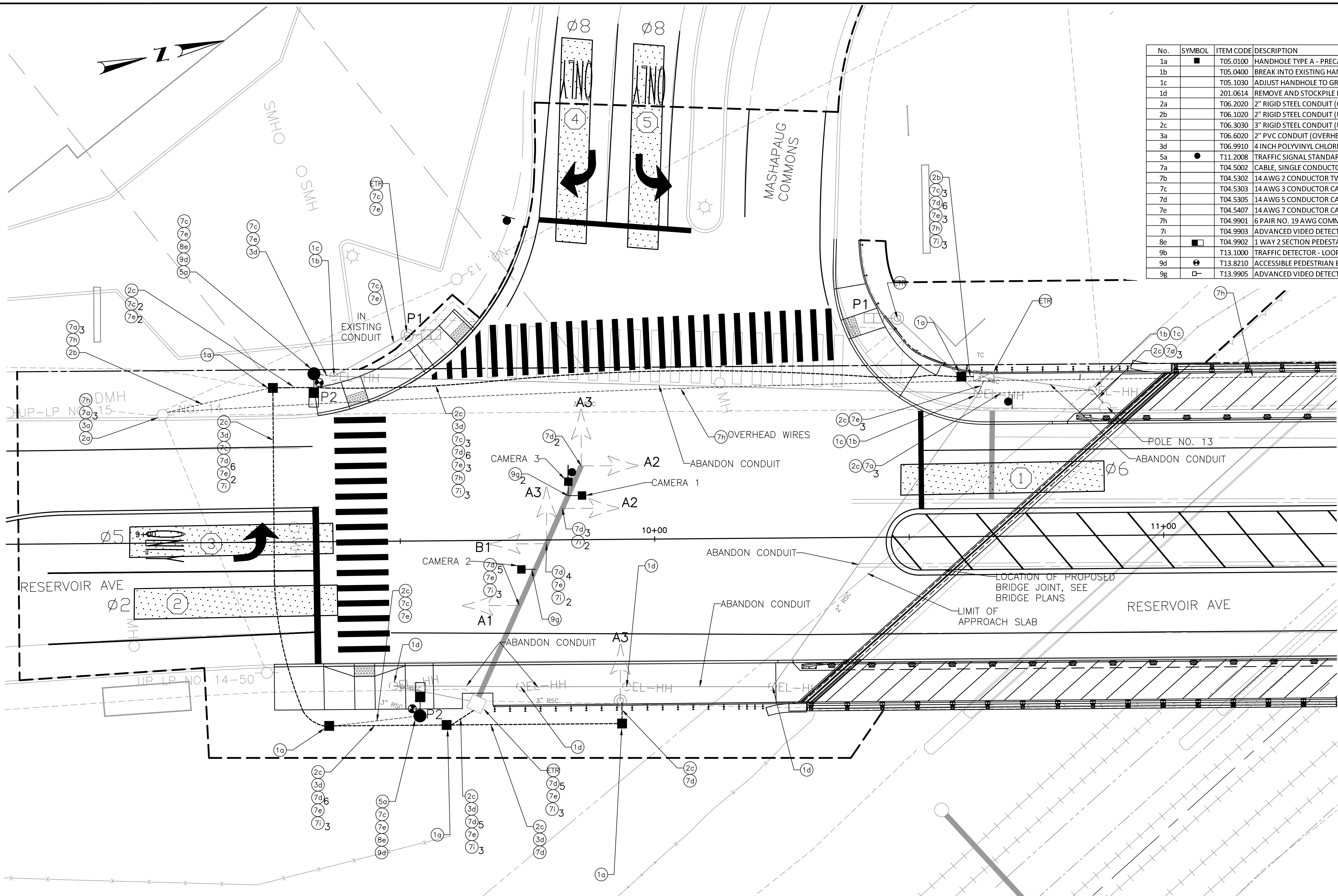
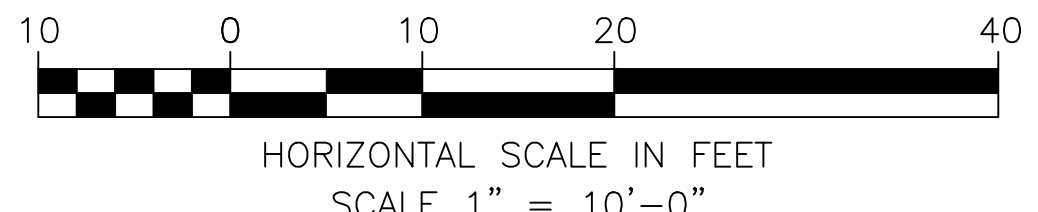


No.	SYMBOL	ITEM CODE	DESCRIPTION
1a	■	T05.0100	HANDHOLE TYPE A - PRECASTED STD. 18.2.0
1b	■	T05.0400	BREAK INTO EXISTING HANDHOLE
1c		T05.1030	ADJUST HANDHOLE TO GRADE
1d		201.0614	REMOVE AND STOCKPILE HANDHOLES - TYPE A
2a		T06.2020	2" RIGID STEEL CONDUIT (OVERHEAD)
2b		T06.1020	2" RIGID STEEL CONDUIT (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 A 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



- 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 VIDEO DETECTION ZONES. 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 PROVIDED 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 PEDESTRIAN 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/PEDESTRIAN 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.
  - NO HANDHOLES SHALL BE INSTALLED IN WHEELCHAIR RAMPS.
  - 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.
  - NO SPLICES ARE TO BE MADE IN THE SYSTEM. (ALL CABLES ARE TO BE RUN DIRECTLY FROM CONTROL CABINET TO SIGNALS)
  - ALL USED EQUIPMENT SHALL BECOME THE PROPERTY OF THE CITY OF PROVIDENCE AND DELIVERED TO A LOCATION DESIGNATED BY THE DEPARTMENT OF TRAFFIC ENGINEERING. SCRAP MATERIAL/EQUIPMENT SHALL ONLY BE DEEMED DISPOSED OF BY THE DEPARTMENT OF TRAFFIC ENGINEERING.
  - ANY DAMAGE DONE BY THE CONTRACTOR TO EXISTING TRAFFIC SIGNAL EQUIPMENT, CONDUIT OR CABLE SHALL BE REPLACED AT NO EXPENSE TO THE PROJECT.



**Louis Berger**  
 166 VALLEY STREET, BUILDING 5  
 PROVIDENCE, RI 02909  
 TEL 401 521 5980  
 WWW.LOUIBERGER.COM

REVISIONS		
NO.	DATE	BY

RHODE ISLAND  
 DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE REPLACEMENT  
 RESERVOIR AVE. RR BRIDGE NO. 327

PROVIDENCE, RHODE ISLAND

**TRAFFIC SIGNAL PLAN**  
 MASHAPAUG COM & RESERVOIR AVE

SHEET 3 OF 4

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