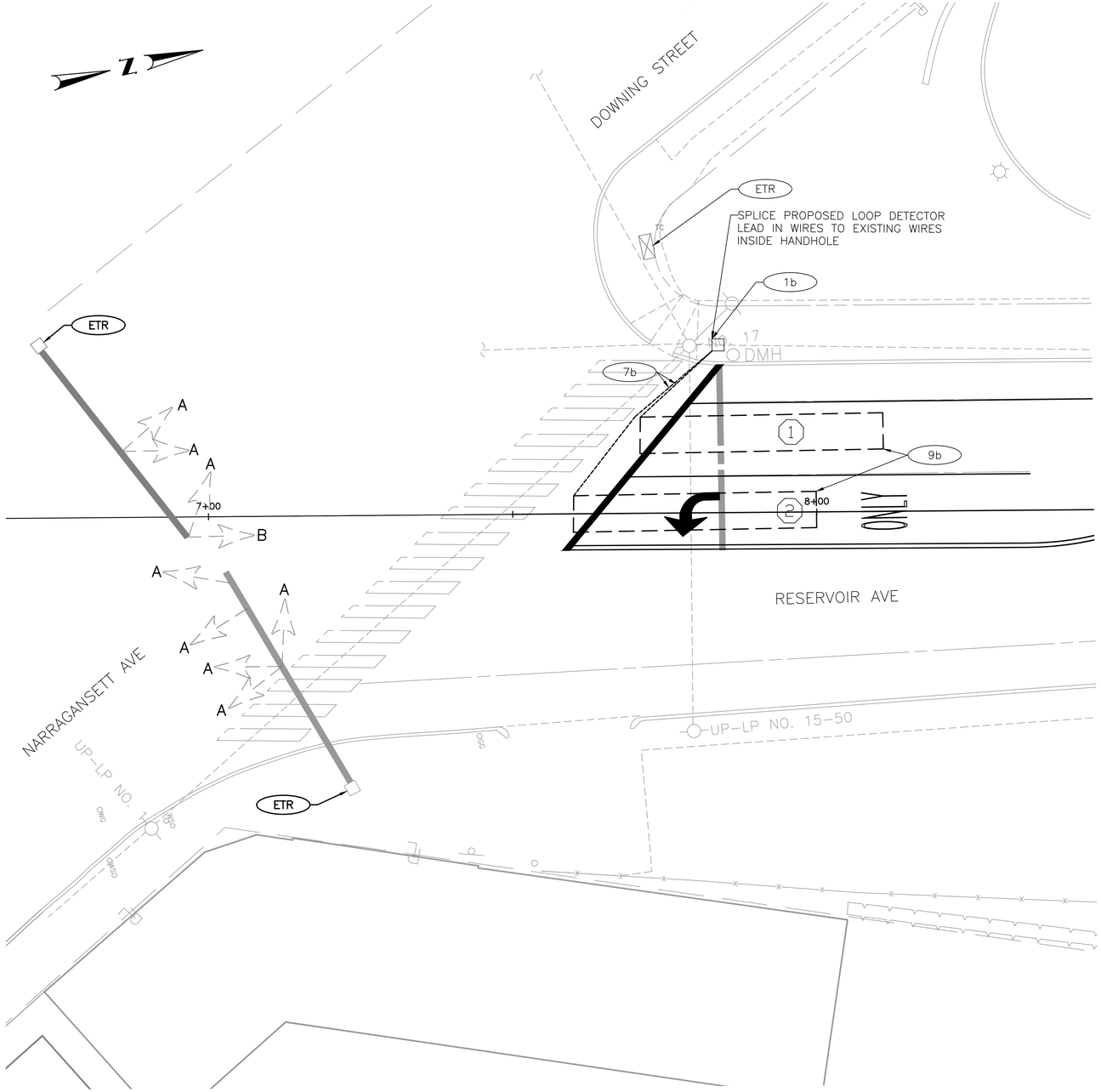
FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	RI	BRO-0327(005)	2021	21	52



GENERAL NOTES:

1. 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.
2. FINAL PLACEMENT DETECTORS TO BE DETERMINED IN THE FIELD DURING CONSTRUCTION ACCORDING TO OBSERVED INTERSECTION CHARACTERISTICS BY THE ENGINEER.
3. 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.
4. 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.
5. ALL LOOP DETECTORS SHALL BE CENTERED WITHIN EACH LANE AS DELINEATED, UNLESS OTHERWISE DIMENSIONED ON PLANS.
6. ALL LOOP DETECTORS SHALL BE CUT INTO THE FINAL PAVEMENT SURFACE COURSE.
7. 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.
8. TRAFFIC SIGNAL TIMING, PHASING AND COORDINATION TO REMAIN AS EXISTING CONDITIONS.
9. ANY DAMAGE DONE BY THE CONTRACTOR TO EXISTING TRAFFIC SIGNAL EQUIPMENT, CONDUIT OR CABLE SHALL BE REPLACED AT NO EXPENSE TO THE PROJECT.

DECTECTOR NO.	NO. SECTION/ SIZE	RELAY NUMBER	SLOT	DELAY (SEC)	CALL PHASE	REMARKS
(1)	1-6'x40'	EXISTING	EXISTING	EXISTING	EXISTING	PROPOSED
(2)	1-6'x40'	EXISTING	EXISTING	EXISTING	EXISTING	PROPOSED

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

SIGNAL HEAD DATA

EXISTING TO REMAIN	
A (8)	B (1)
R Y G	R Y G ↺

TRAFFIC SIGNAL EQUIPMENT LEGEND

SYMBOL EXISTING	SYMBOL PROPOSED	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)

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 (IMSA 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

10 0 10 20 40

HORIZONTAL SCALE IN FEET
SCALE 1" = 10'-0"

REVISIONS		
NO.	DATE	BY

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE REPLACEMENT
RESERVOIR AVE. RR BRIDGE NO. 327

PROVIDENCE, RHODE ISLAND

TRAFFI SIGNAL PLAN

NARRAGANSETT & RESERVOIR AVE

SHEET 1 OF 4

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

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

TSIGNAL.DWG