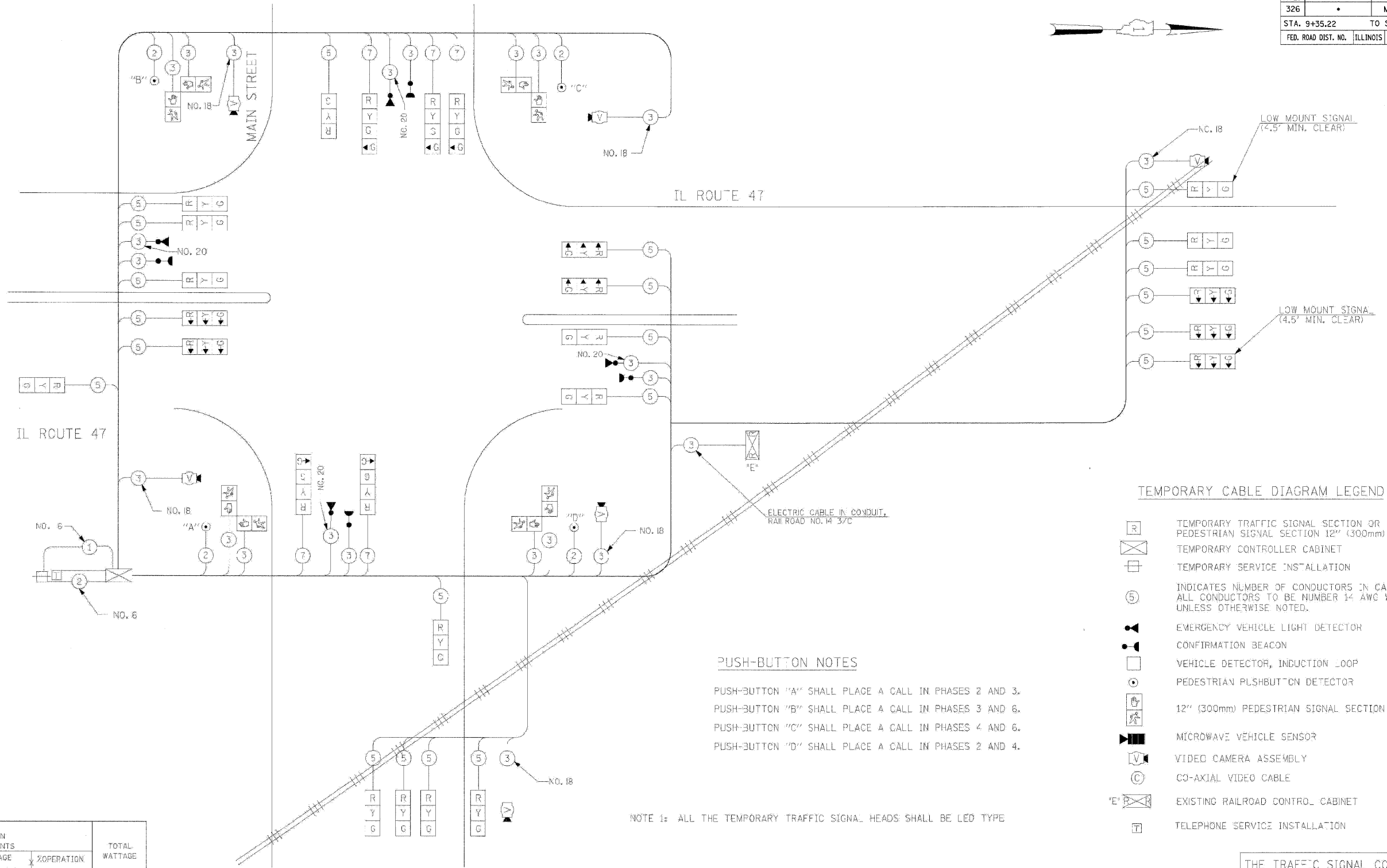


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	•	MCHENRY	502	287

STA. 9+35.22 TO STA.142+08.53
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT



TEMPORARY CABLE DIAGRAM LEGEND

- TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION 12" (300mm)
- TEMPORARY CONTROLLER CABINET
- TEMPORARY SERVICE INSTALLATION
- INDICATES NUMBER OF CONDUCTORS IN CABLE. ALL CONDUCTORS TO BE NUMBER 14 AWG WIRE UNLESS OTHERWISE NOTED.
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- VEHICLE DETECTOR, INDUCTION LOOP
- PEDESTRIAN PUSHBUTTON DETECTOR
- 12" (300mm) PEDESTRIAN SIGNAL SECTION
- MICROWAVE VEHICLE SENSOR
- VIDEO CAMERA ASSEMBLY
- CO-AXIAL VIDEO CABLE
- EXISTING RAILROAD CONTROL CABINET
- TELEPHONE SERVICE INSTALLATION

PUSH-BUTTON NOTES

PUSH-BUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 3.
 PUSH-BUTTON "B" SHALL PLACE A CALL IN PHASES 3 AND 6.
 PUSH-BUTTON "C" SHALL PLACE A CALL IN PHASES 4 AND 6.
 PUSH-BUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 4.

NOTE 1: ALL THE TEMPORARY TRAFFIC SIGNAL HEADS SHALL BE LED TYPE

TEMPORARY CABLE PLAN
 STAGES: STAGE 3, STAGE 3B, AND
 STAGE 3C

I.D.O.T.
 TRAFFIC SIGNAL INSTALLATION
 ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO LAMPS	WATTAGE		OPERATION	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	27	135	17	0.50	229.5
(YELLOW)	27	135	25	0.25	168.75
(GREEN)	32	135	15	0.25	120
ARROW		135	12	0.10	
PED. SIGNAL	8	90	25	1.00	200
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN				0.05	
FLASHER				0.50	
TOTAL =					818.25

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A-POS	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (1.0)
C-CONTROL W/UPS	4 (1.2)	DOUBLE FANDHOLE	13 (4.0)	MAST ARM TO POLE	20 (6.1)
D-CON PROLIER	4 (1.2)	SIGNAL POST	2 (1.0)		(6m-0.6m)
E-MAST POLE		CONTROLLER CAB.	1 (0.5)	BRACKET MOUNTED	13 (4.0)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	PED. PUSHBUTTON	4 (1.2)
38" (900mm)	15 (4.6)	ELECTRIC SERVICE	1 (0.5)	ELECTRIC SERVICE	13.5 (4.1)
42" (1080mm)	25 (7.6)	GROUND CABLE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
				POST MOUNTED	6 (1.8)

ENERGY COSTS TO: TOTAL = 818.25

ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 WEST CENTER COURT
 SCHALMURG, ILLINOIS 60196-1096

ENERGY SUPPLY CONTACT: KATIE OLIVA
 PHONE: (847) 608-2338
 COMPANY: COMMONWEALTH EDISON

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

ILLINOIS DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN,
 ILLINOIS ROUTE 47 AT MAIN STREET
 STAGE 3, STAGE 3B, AND STAGE 3C.

REVISIONS	
NAME	DATE

SCALE: N.T.S.
 DATE: APRIL 17, 2009

DRAWN BY: ME,MA,YB
 DESIGNED BY: PKG/RW
 CHECKED BY: PKG