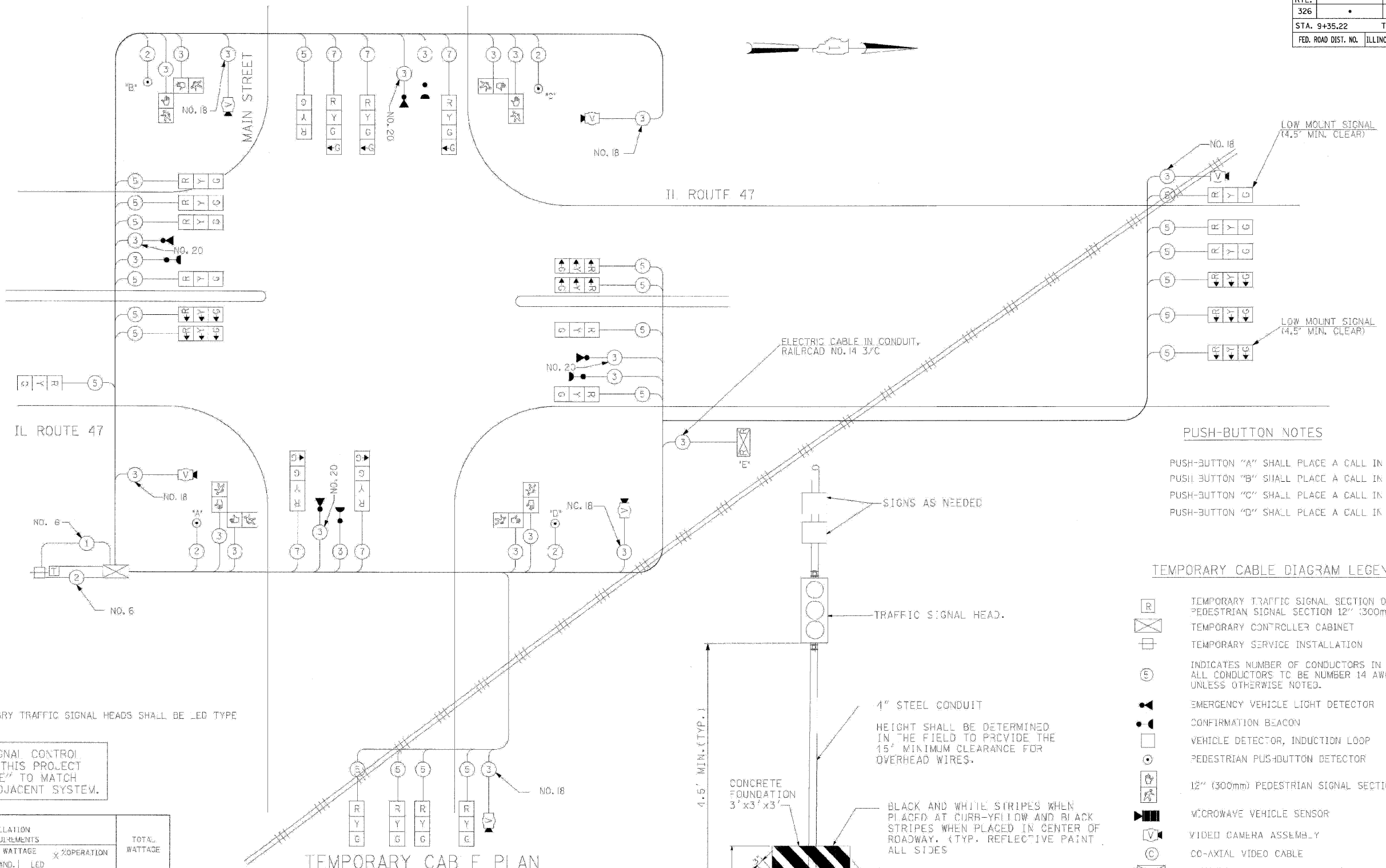


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326		McHENRY	502	283
STA. 9+35.22		TO STA. 142+08.53		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



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.

- TEMPORARY CABLE DIAGRAM LEGEND**
- [R] TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION 12" (300mm)
 - [E] TEMPORARY CONTROLLER CABINET
 - [S] TEMPORARY SERVICE INSTALLATION
 - (E) INDICATES NUMBER OF CONDUCTORS IN CABLE. ALL CONDUCTORS TO BE NUMBER 14 AWG WIRE UNLESS OTHERWISE NOTED.
 - [V] EMERGENCY VEHICLE LIGHT DETECTOR
 - [C] CONFIRMATION BEACON
 - [D] VEHICLE DETECTOR, INDUCTION LOOP
 - [P] PEDESTRIAN PUSH-BUTTON DETECTOR
 - [H] 12" (300mm) PEDESTRIAN SIGNAL SECTION
 - [M] MICROWAVE VEHICLE SENSOR
 - [V] VIDEO CAMERA ASSEMBLY
 - [C] CO-AXIAL VIDEO CABLE
 - [E] EXISTING RAILROAD CONTROL CABINET TO REMAIN
 - [T] TELEPHONE SERVICE INSTALLATION

TEMPORARY CABLE PLAN
 STAGES: PRE-STAGE, STAGE 1, STAGE 1B, STAGE 1C, STAGE 2, STAGE 2B, AND AFTER ALL THE PROPOSED ROADWAY GEOMETRICS ARE IN PLACE

TEMPORARY TRAFFIC SIGNAL
 (WOOD POLE OPTIONAL FOR SIDE OR PARKWAY AREA).

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

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

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO LAMPS	WATTAGE	%OPERATION		
		INCAND.	LED		
SIGNAL (RED)	25	135	27	0.50	212.5
(YELLOW)	25	135	25	0.25	156.25
(GREEN)	30	135	15	0.25	112.5
ARROW	135	12	0.10		
PED. SIGNAL	8	25	1.00		200
CONTROLLER	1	100	1.00		100
ILLUM. SIGN			0.05		
				0.50	
FLASHER					
ENERGY COSTS TO:				TOTAL =	781.25

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A-POST	4 (1.2)	HANDHOLE	6.5 (2.0)	4-1 FOUNDATIONS	3.5 (1.0)
C-CONTROLLER W/UPS	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	W/ST ARM (L) POLE	20'-H-2"
D-CONTROLLER	4 (1.2)	SIGNAL POST	2 (0.6)	(6mH-2.6m)±	
E-M-ARM POLE	1 (0.3)	CONTROLLER CAB.	1 (0.3)	BRACKET MOUNTED	13 (4.0)
36" (900mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	P.D. PUSHBUTTON	4 (1.2)
36" (900mm)	15 (4.6)	ELECTRIC SERVICE	1 (0.3)	ELECTRIC SERVICE	13.5 (4.1)
42" (1060mm)	25 (7.6)	GROUND CABLE	1 (0.3)	SERVICE TO GROUND	13.5 (4.1)
				POST MOUNTED	6 (1.8)

GO GANDHI AND ASSOCIATES, INC.
 ENGINEERS AND PLANNERS
 6335 N. NORTHWEST HIGHWAY
 SUITE 308
 CHICAGO, ILLINOIS 60630 TEL: 773 774-6900

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TEMPORARY CABLE PLAN,
 ILLINOIS ROUTE 47 AT MAIN STREET
 PRE-STAGE, STAGE 1, STAGE 1B,
 STAGE 1C, STAGE 2, STAGE 2B, AND
 AFTER ALL THE PROPOSED ROADWAY
 GEOMETRICS ARE IN PLACE.

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

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