
















**TEMPORARY CABLE DIAGRAM LEGEND:**

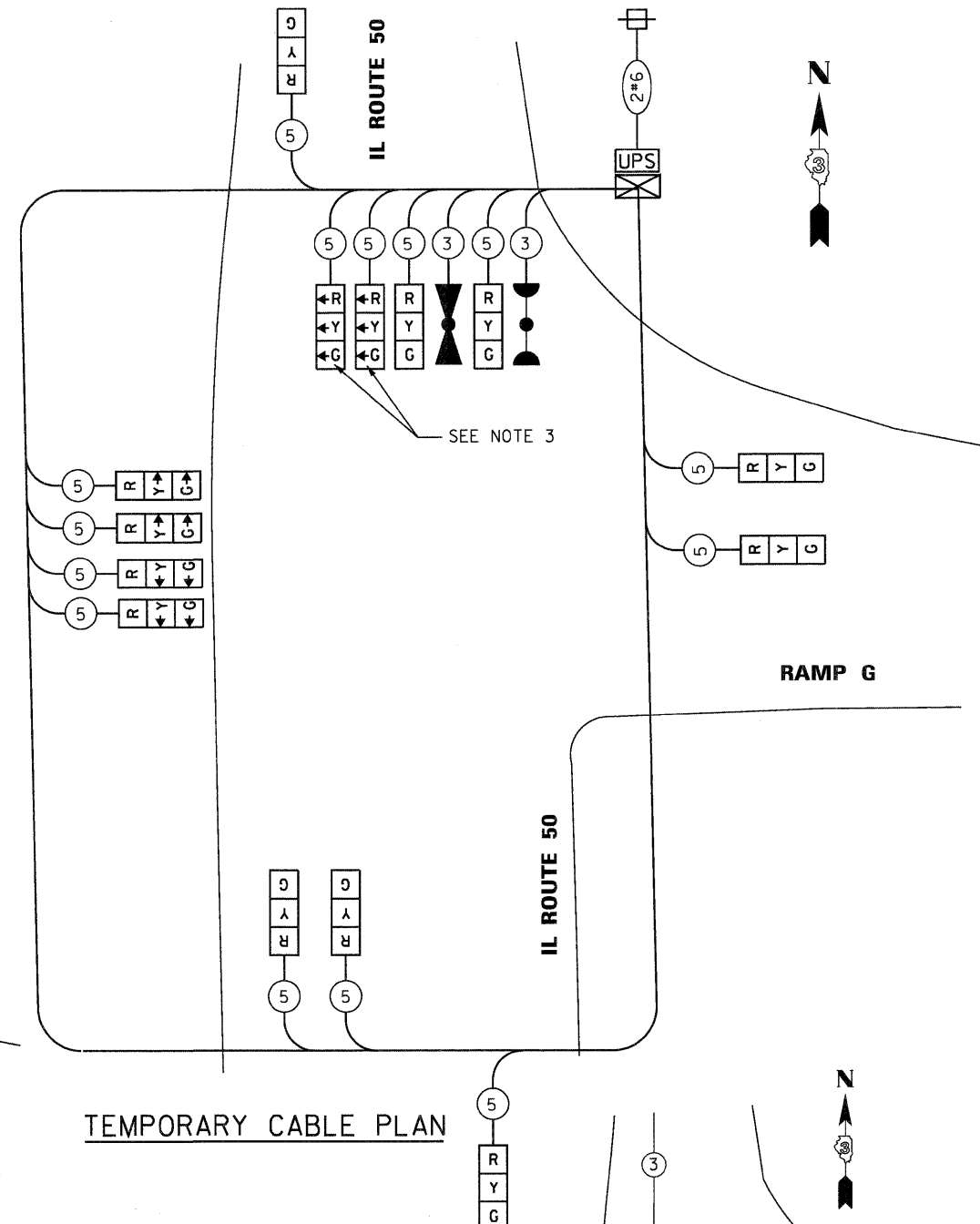
-  TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION 12" (300 mm)
-  TEMPORARY CONTROLLER CABINET
-  TEMPORARY SERVICE INSTALLATION
-  INDICATES NUMBER OF CONDUCTORS IN CABLE. ALL CONDUCTORS TO BE NUMBER 14 AWG WIRE UNLESS OTHERWISE NOTED.
-  EMERGENCY VEHICLE LIGHT DETECTOR
-  CONFIRMATION BEACON
-  PEDESTRIAN PUSHBUTTON DETECTOR
-  VEHICLE DETECTOR, INDUCTION LOOP
-  12" (300mm) PEDESTRIAN SIGNAL SECTION
-  TEMPORARY BATTERY BACK-UP UPS SYSTEM

**LEGEND:**

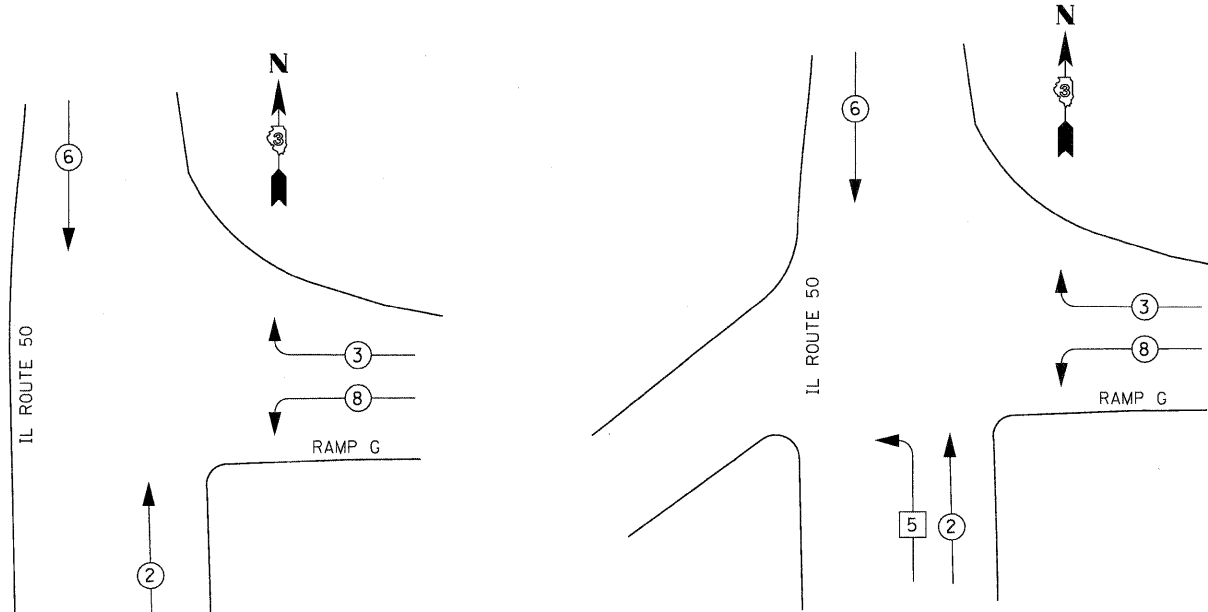
-  DUAL ENTRY PHASE
-  SINGLE ENTRY PHASE
-  OVER LAP
-  PEDESTRIAN PHASE
-  \* NUMBER REFERS TO ASSOCIATED PHASE

**CONSTRUCTION NOTES:**

1. THE EXISTING TRAFFIC RESPONSIVE CLOSED LOOP SYSTEM OPERATION SHALL BE MAINTAINED DURING CONSTRUCTION. THE CONTRACTOR SHALL CONTACT THE SIGNAL SYSTEM ENGINEER, MR. GEORGE BROWN AT (630) 213-1000 AT LEAST 72 HOURS PRIOR TO THE START OF WORK TO REQUEST MODIFICATION OF THE EXISTING TRAFFIC RESPONSIVE PROGRAM. UPON COMPLETION AND ACCEPTANCE OF THE TRAFFIC SIGNAL MODIFICATIONS, THE CONTRACTOR SHALL CONTACT THE SIGNAL SYSTEM ENGINEER TO REQUEST RESTORATION OF THE ORIGINAL TRAFFIC RESPONSIVE PROGRAM.
2. THE CONTRACTOR SHALL MAINTAIN THE EXISTING SIGNAL SYSTEM INTERCONNECT DURING TEMPORARY SIGNAL OPERATION. THE INSTALLATION OF THE TEMPORARY INTERCONNECT CABLE SHALL BE NON-DESTRUCTIVE. THE INSTALLATION AND MAINTENANCE OF THE TEMPORARY INTERCONNECT CABLE SHALL BE INCIDENTAL TO THE COST OF TEMPORARY TRAFFIC SIGNAL INSTALLATION.
3. THIS TRAFFIC SIGNAL SECTIONS SHALL BE DEACTIVATED AND BAGGED DURING STAGE "A, B & C" AND AS REQUIRED DURING CONSTRUCTION STAGING. THE TRAFFIC SECTIONS SHALL BE UNBAGGED AT THE END OF STAGE "C" CONSTRUCTION.
4. THE PHASING SHALL BE DEACTIVATED AS REQUIRED DURING CONSTRUCTION STAGING.
5. THE EMERGENCY VEHICLE PREEMPTION SEQUENCE SHALL BE MODIFIED AS REQUIRED DURING CONSTRUCTION STAGING.
6. ALL TEMPORARY SIGNAL HEADS SHALL BE L.E.D.



**TEMPORARY CABLE PLAN**



**TEMPORARY PHASE DESIGNATION DIAGRAM STAGES "D" & "E"**

**TEMPORARY PHASE DESIGNATION DIAGRAM STAGES "A", "B" & "C"**

PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	↑ ↓	→

**TEMPORARY EMERGENCY VEHICLE PREEMPTOR SEQUENCE**

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	%OPERATION	
SIGNAL (RED)	12		17	0.50	102.00
(YELLOW)	12		12	0.25	36.00
(GREEN)	12		12	0.25	36.00
ARROW	6		8	0.10	4.80
CONTROLLER	1		100	1.00	100.00
FLASHER					0.50
ENERGY COSTS TO:					TOTAL = 278.80
ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096 CONTACT: MIKE LYNCH PHONE: (847) 816-5331 COMPANY: COM. EDISON					

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (1.0)
D - CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20'+L-2=
E - M. ARM POLE		SIGNAL POST	2 (1.0)	(6m+L-0.6m)=	
24" (600mm)	10 (3.0)	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)
		ELECTRIC SERVICE	1 (0.5)	ELECTRIC SERVICE	13.5 (4.1)
		GROUND CABLE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
				POST MOUNTED	6 (1.8)

FILE NAME = g:\zd48483\ts-11.dgn	USER NAME = kkhon	DESIGNED - JA	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC SIGNAL TEMPORARY CABLE PLAN &amp; PHASE DESIGNATION DIAGRAM-RAMP FG &amp; IL 50</b>	F.A.I. RTE. 57	SECTION (46-2) I, HBR, VBR	COUNTY KANKAKEE	TOTAL SHEETS 558	SHEET NO. 236
PLOT SCALE = NONE	CHECKED - HS	REVISIONS	SCALE:			SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT	CONTRACT NO. 66409		
PLOT DATE = 12/17/2010	DATE - 12-17-2010									

**Delta Engineering, Inc.**  
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