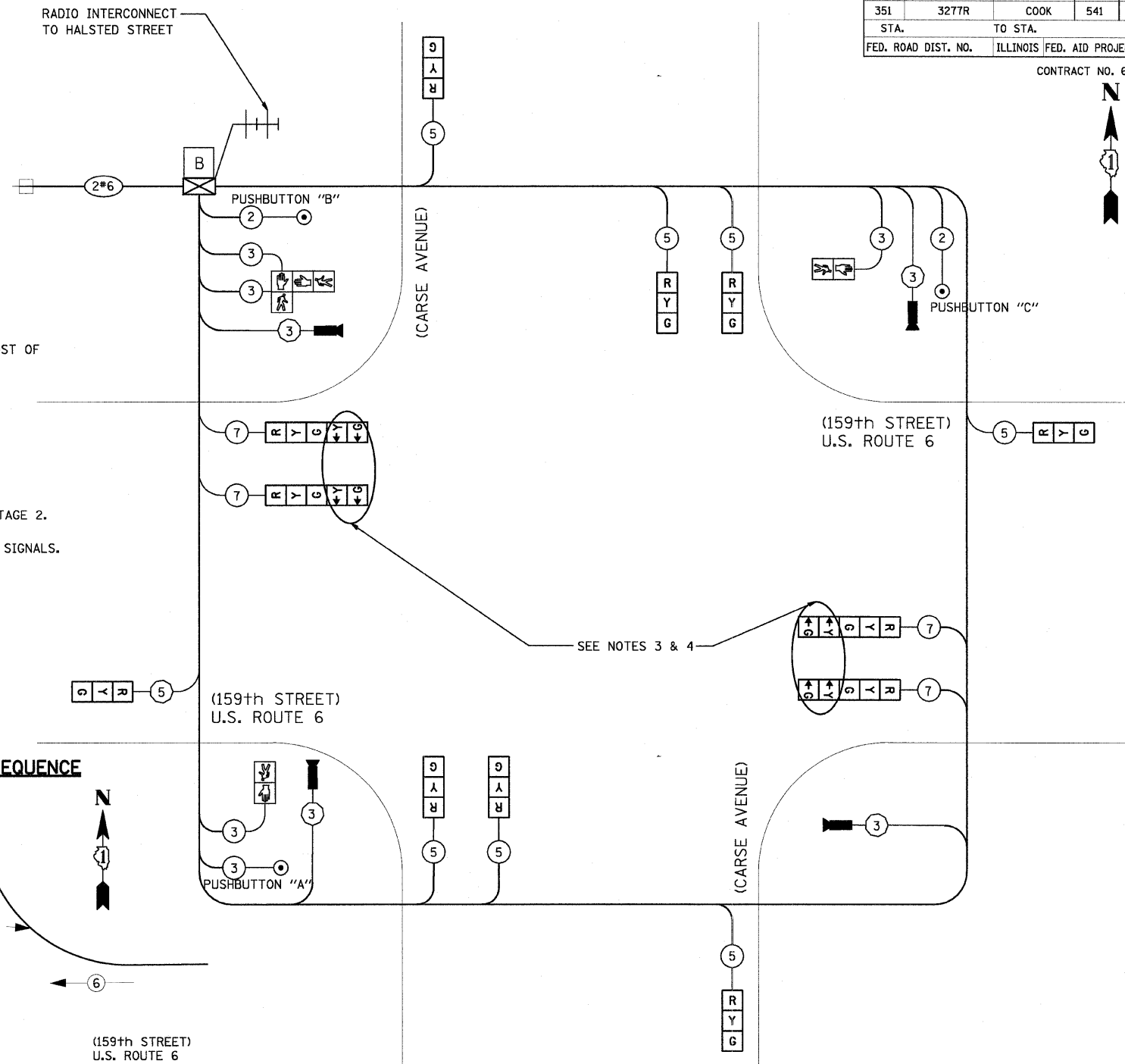


**TEMPORARY CABLE DIAGRAM LEGEND**

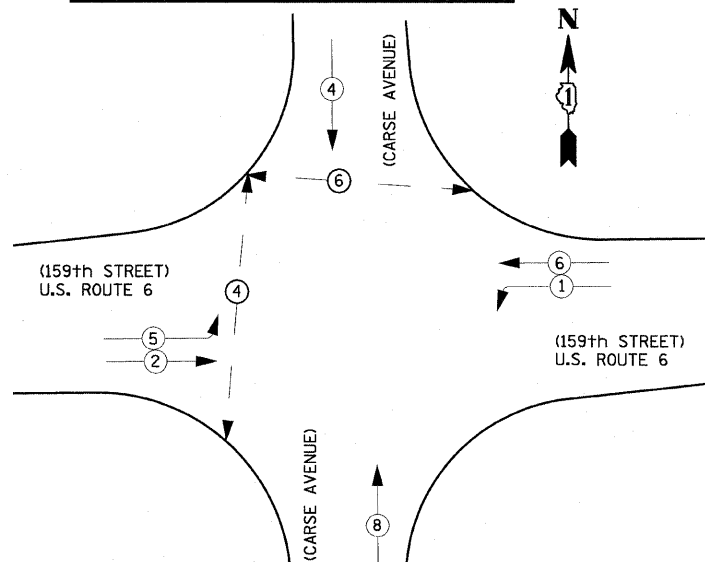
- R TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION 12" (300 mm)
- TEMPORARY CONTROLLER CABINET
- TEMPORARY SERVICE INSTALLATION
- INDICATES NUMBER OF CONDUCTORS IN CABLE. ALL CONDUCTORS TO BE NUMBER 14 AWG WIRE UNLESS OTHERWISE NOTED.
- 5
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- PEDESTRIAN PUSHBUTTON DETECTOR
- VEHICLE DETECTOR, INDUCTION LOOP
- 12" (300mm) PEDESTRIAN SIGNAL SECTION
- VIDEO VEHICLE SENSOR
- B TEMPORARY BATTERY BACK-UP UPS SYSTEM

**CONSTRUCTION NOTES**

- THE EXISTING TRAFFIC RESPONSIVE CLOSED LOOP SYSTEM OPERATION SHALL BE MAINTAINED DURING CONSTRUCTION. THE CONTRACTOR SHALL CONTACT THE S.C.A.T. SYSTEMS ENGINEER, MR. GEORGE BROWN AT (847) 697-6700 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.
- THE CONTRACTOR SHALL MAINTAIN THE EXISTING SIGNAL SYSTEM INTERCONNECT DURING TEMPORARY SIGNAL OPERATION. THE INSTALLATION OF THE TEMPORARY INTERCONNECT CABLE OR RADIO SHALL BE NON-DESTRUCTIVE. THE INSTALLATION AND MAINTENANCE OF THE TEMPORARY INTERCONNECT CABLE OR RADIO SHALL BE INCIDENTAL TO THE COST OF TEMPORARY TRAFFIC SIGNAL INSTALLATION.
- THE TRAFFIC SIGNAL SECTIONS SHALL BE DEACTIVATED AND BAGGED DURING STAGES 1 & 2 AND AS REQUIRED DURING CONSTRUCTION STAGING. THE SECTIONS SHALL BE UNBAGGED AT THE END OF STAGE 2
- THE PHASING SHALL BE DEACTIVATED DURING CONSTRUCTION STAGES 1 & 2 AND AS REQUIRED DURING CONSTRUCTION STAGING THE LEFT TURN PHASING SHALL BE ACTIVATED AT THE END OF STAGE 2.
- LED SIGNAL HEADS SHALL BE USED FOR ALL TEMPORARY TRAFFIC SIGNALS.

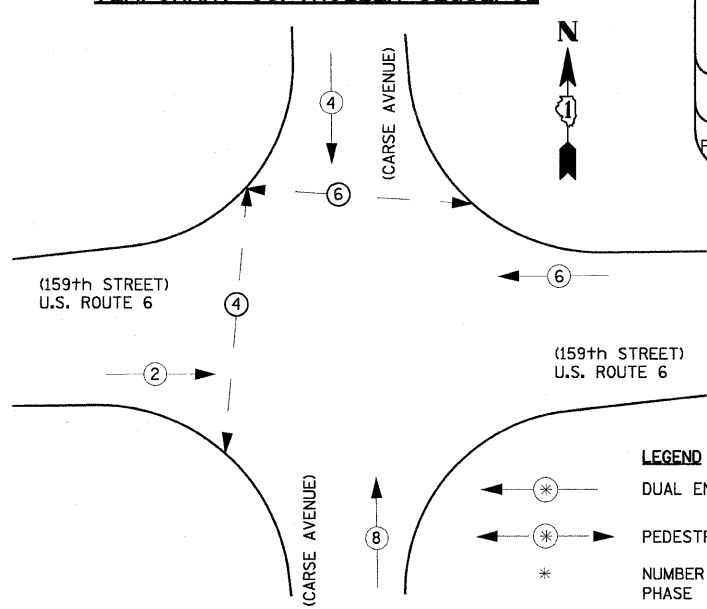


**TEMPORARY CONTROLLER SEQUENCE**



**TEMPORARY PHASE DESIGNATION DIAGRAM AT END OF STAGE 2**

**TEMPORARY CONTROLLER SEQUENCE**



**TEMPORARY PHASE DESIGNATION DIAGRAM STAGE 1**

- LEGEND**
- DUAL ENTRY PHASE
  - PEDESTRIAN MOVEMENT
  - NUMBER REFERS TO ASSOCIATED PHASE

**NOTE:**  
 PUSHBUTTON "A" SHALL PLACE A CALL IN PHASES 4 AND 6  
 PUSHBUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6  
 PUSHBUTTON "C" SHALL PLACE A CALL IN PHASES 6

**NOTE:**  
 THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE (INCAND.)	WATTAGE (LED)	% OPERATION	
SIGNAL (RED)	12	135	17	0.50	102.00
(YELLOW)	12	135	25	0.25	75.00
(GREEN)	12	135	15	0.25	45.00
ARROW	8	135	12	0.10	9.60
PED. SIGNAL	4	90	25	1.00	100.00
CONTROLLER	1	100	100	1.00	100.00
ILLUM. SIGN		84		0.05	
FLASHER				0.50	
<b>ENERGY COSTS TO:</b>					<b>TOTAL = 431.6</b>

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 201 WEST CENTER COURT  
 SCHUMBURG, 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'-H-2=
E - M. ARM POLE		SIGNAL POST	2 (1.0)	(6m+L-0.6m)=	
	30" (750mm)	CONTROLLER CAB.	1 (0.5)	BRACKET MOUNTED	13 (4.0)
	36" (900mm)	FIBER OPTIC	13 (4.0)	PED. PUSHBUTTON	4 (1.2)
	36" (900mm)	ELECTRIC SERVICE	1 (0.5)	ELECTRIC SERVICE	13.5 (4.1)
	36" (900mm)	GROUND CABLE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
				POST MOUNTED	6 (1.8)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 US RTE 6 FROM I-294 TO IL RTE 1

**TEMPORARY CABLE PLAN  
 US RTE 6 & CARSE AVENUE**

SCALE: NONE  
 DATE 01/28/09  
 DRAWN BY DK  
 CHECKED BY JA