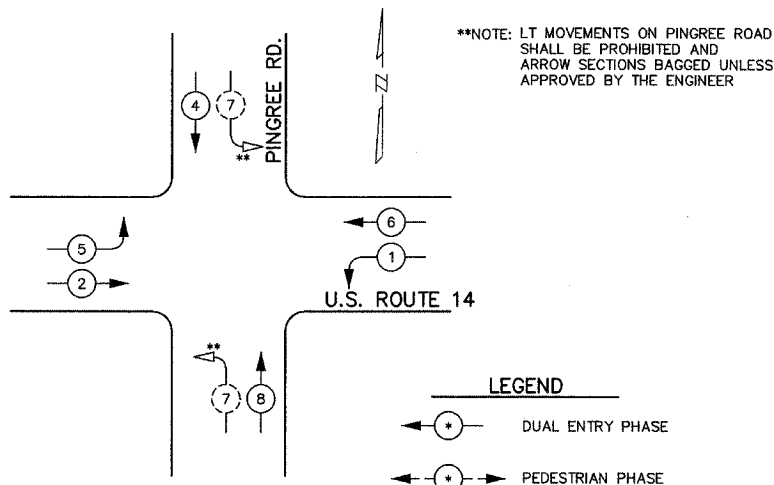


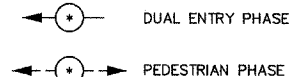
F.A.U. ROUTE	CONTRACT NO.	COUNTY	TOTAL SHTS.
0126	83776	McHENRY	77
STATE SECTION 95-00090-00-FP			
TEMPORARY TRAFFIC SIGNALS			
F.H.W.A. REG.5 ILLINOIS PROJECT M-8003 (3)			

TEMPORARY TRAFFIC SIGNAL CONTROLLER SEQUENCE



**NOTE: LT MOVEMENTS ON PINGREE ROAD SHALL BE PROHIBITED AND ARROW SECTIONS BAGGED UNLESS APPROVED BY THE ENGINEER

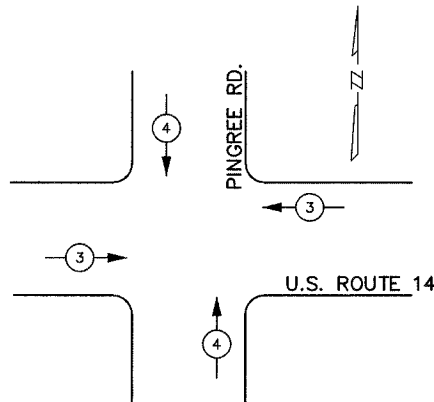
LEGEND



* NUMBER REFERS TO ASSOCIATED PHASE

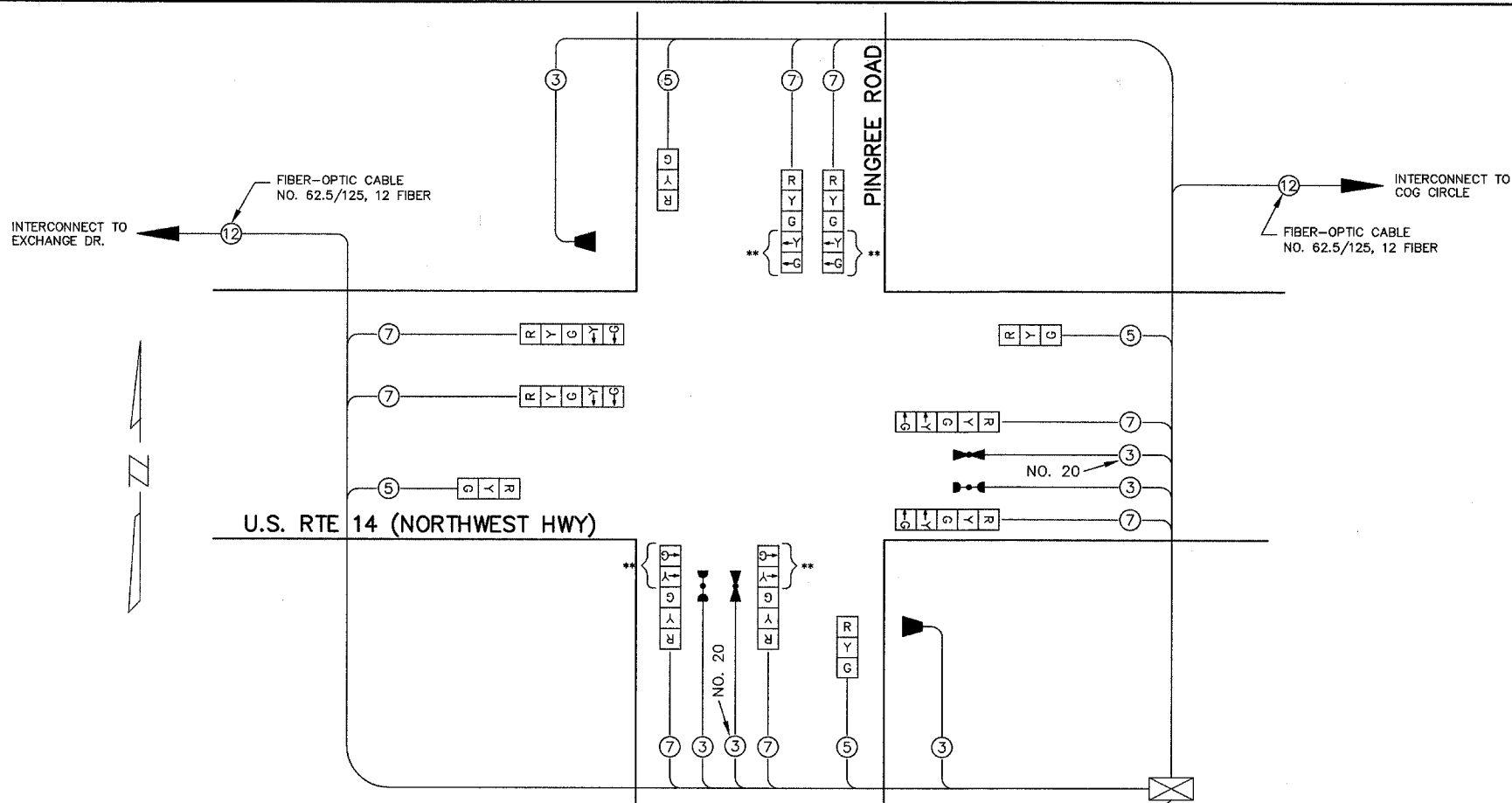
PHASE DESIGNATION DIAGRAM STAGES 1 THRU 3 CONSTRUCTION

TEMPORARY TRAFFIC SIGNAL EMERGENCY VEHICLE PREEMPTION SEQUENCE STAGES 1 AND 3 CONSTRUCTION



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

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	x WATTAGE		% OPERATION	
SIGNAL (RED) (YELLOW) (GREEN)	12	135	15	0.50	810.0
	12	135	25	0.25	405.0
	12	135	15	0.25	405.0
ARROW	16	135	12	0.10	216.0
CONTROLLER	1	100	1.00		100.0
ENERGY COSTS TO: (EXIST. SERVICE DROP) TOTAL =					1938.0
CITY OF CRYSTAL LAKE 100 W. MUNICIPAL COMPLEX CRYSTAL LAKE, IL					
ENERGY SUPPLY		CONTACT: RICK CORRENTI PHONE: (815) 460-2283 COMPANY: COM-ED, ROCKFORD			



TEMPORARY TRAFFIC SIGNAL CABLE PLAN STAGES 1 THRU 3 CONSTRUCTION

**NOTE: CONTRACTOR SHALL BAG ARROW SECTIONS ON PINGREE ROAD LEGS DURING ALL OF STAGES 1 AND 2 BUT MAY ACTIVATE THESE MOVEMENTS ON PINGREE ROAD AS PART OF STAGE 3 IF APPROVED BY THE ENGINEER.

TEMPORARY CABLE PLAN LEGEND

- R TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION 12" (300mm)
- ☒ TEMPORARY CONTROLLER CABINET
- ⊕ TEMPORARY SERVICE INSTALLATION
- ⑤ 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
- ⊙ PUSHBUTTON DETECTOR
- ⊠ 12" (300mm) PEDESTRIAN SIGNAL SECTION
- ▶ MICROWAVE VEHICLE SENSOR
- ⑫ FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 12 FIBER

NOTES FOR TEMPORARY TRAFFIC SIGNALS

- ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
- ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1. INSTALLED IN A NEMA TS1 OR TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE PROJECT.
- ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE 12" (300mm). HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
- ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
- ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
- THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.

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

ILLINOIS DEPARTMENT OF TRANSPORTATION	
TEMPORARY TRAFFIC SIGNAL CABLE PLAN	
PHASE DESIGNATION DIAGRAM, & TEMPORARY SIGNAL NOTES	
STAGE 1 THRU 3 CONSTRUCTION	
U.S. RTE 14 (NORTHWEST HWY) AT PINGREE ROAD	
NAME	DATE
REVISIONS	
SCALE: NONE	DRAWN BY: AC
DATE: AUGUST 27, 2004	CHECKED BY: DM
	JL