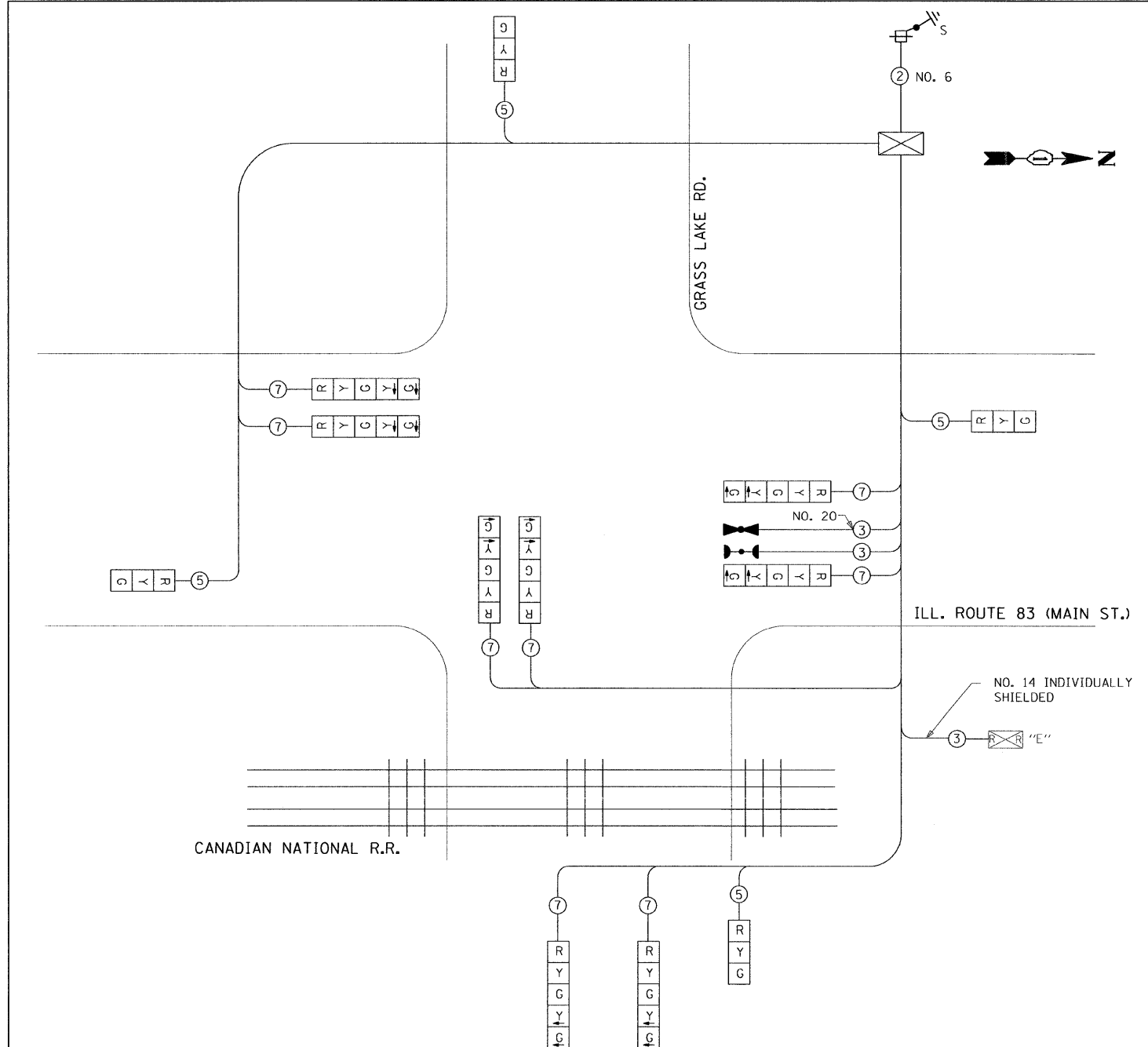


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
866	*	LAKE	554	273
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT #62700				
* (L-2CW,R); 6.6A & 6EXTWRS-1				



- TEMPORARY CABLE DIAGRAM 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
 - PEDESTRIAN PUSHBUTTON DETECTOR
 - 12" (300mm) PEDESTRIAN SIGNAL SECTION
 - MICROWAVE VEHICLE SENSOR
 - S GROUND ROD AT ELECTRIC SERVICE INSTALLATION
 - "E" EXISTING RAILROAD CONTROLLER CABINET

- 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 OF TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
 - 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.

NOTES

FOR STAGE I ON GRASS LAKE ROAD, PHASES 3 AND 7 WILL NOT BE USED AND THE GREEN AND YELLOW ARROW SIGNAL HEADS FOR THESE PHASES WILL BE COVERED.

FOR STAGE II AND STAGE III ON GRASS LAKE ROAD, PHASE 3 WILL NOT BE USED AND THE GREEN AND YELLOW SIGNAL HEADS FOR THIS PHASE WILL BE COVERED.

UPON COMPLETION OF STAGE III, ALL PHASES WILL BE USED UNTIL THE PERMANENT SIGNALS ARE INSTALLED AND OPERATING.

TEMPORARY CABLE PLAN
NOT TO SCALE

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND	WATTAGE LED	% OPERATION	
SIGNAL (RED)	15	135	17	0.50	127.5
(YELLOW)	15	135	25	0.25	93.8
(GREEN)	15	135	15	0.25	56.2
ARROW	20	135	12	0.10	24.0
PED. SIGNAL		90	25	1.00	
CONTROLLER	1	100	100	1.00	100.0
ILLUM. SIGN		84	35	0.05	
TOTAL =					401.5

ENERGY COST TO: Illinois Department of Transportation
Division of Highways / District 1
201 W Center Court, Schaumburg, Illinois 60196-1096

ENERGY SUPPLY: CONTACT: Mr. Amador Velez
PHONE: 847-816-5248
COMPANY: ComEd

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		TEMPORARY CABLE PLAN ILL. ROUTE 83 (MAIN ST.) AND GRASS LAKE ROAD

SCALE: NONE
DATE: 1/30/09

DRAWN BY: RV
DESIGNED BY: RS
CHECKED BY: AZ



G:\2004\024-1.N\F\Transfer\In\K\K\7-9-08\Contract B\TS-07.dwg 1/27/2009