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.

► EMERGENCY VEHICLE LIGHT DETECTOR

── CONFIRMATION BEACON

PEDESTRIAN PUSHBUTTON DETECTOR

VEHICLE DETECTOR, INDUCTION LOOP

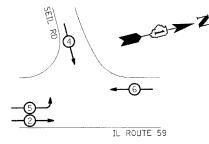
12" (300mm) PEDESTRIAN SIGNAL SECTION

VIDEO VEHICLE DETECTOR

DUAL EMERGENCY VEHICLE LIGHT DETECTOR

DUAL CONFIRMATION BEACON

CONTROLLER SEQUENCE



LEGEND

DUAL ENTRY PHASE

PEDESTRIAN PHASE

* NUMBER REFERS TO ASSOCIATED PHASE

TEMPORARY PHASE DESIGNATION DIAGRAM

ENERGY COSTS TO: TOTAL = [
ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096
ENERGY SUPPLY CONTACT: MR. RANDY BALES
PHONE: (1) 815-724-5355

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 20'4L-2=

E - M. ARM POLE SIGNAL POST 2 (1.0) MAST ARM (L) POLE 20'4L-2=

(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)

GROUND CABLE 1 (0.5) SERVICE 5ERVICE 13.5 (4.1)

GROUND CABLE 1 (0.5) SERVICE TO GROUND 13.5 (4.1)

POST MOUNTED 6 (1.8)

SELL ROUTE 59

SONO. 20

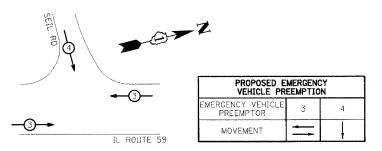
IL ROUTE 59

SONO. 20

NO. 20

NO. 20

TEMPORARY SIGNALS CABLE PLAN



EMERGENCY VEHICLE PREEMPTION SEQUENCE

* (26, 26HB-1&114) R-2 CONTRACT NO. 60363

TES:

- 1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
- 2. 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 CONTRACT.
- 3. 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.
- 4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE RE-MOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
- 5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
- 6. 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 TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.

| REVISIONS | ILLINOIS DEPARTMENT OF FAI 55 AT FAP 338 ILLI | NOIS ROUTE 59 |
|-----------|--|-----------------------------------|
| NAME DATE | SECTION: (26, 26HB-1&114) R-2 | |
| | ILL RTE 59 & SEI | |
| | TRAFFIC SIGNALS | |
| | & SEQUENCE OF | OPERATION |
| | SCALE: NONE | DRAWN BY: TMH DESIGNED BY: RKF |
| | DATE: 03/14/08 | CHECKED BY: RKF |

TENG

ASSOCIATES, INC. DISARCHITEXTSPLANNERS CHIGAN AVR. CHICAGO, IL. 60601.