F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	2007-037TS	COOK/WILL	34	14

STA. | | TO STA.
FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

D-91-343-07

CONTROLLER SEQUENCE

I-394

RICHTON ROAD

LEGEND
- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- PEDESTRIAN PHASE
- * NUMBER REFERS TO ASSOCIATED PHASE
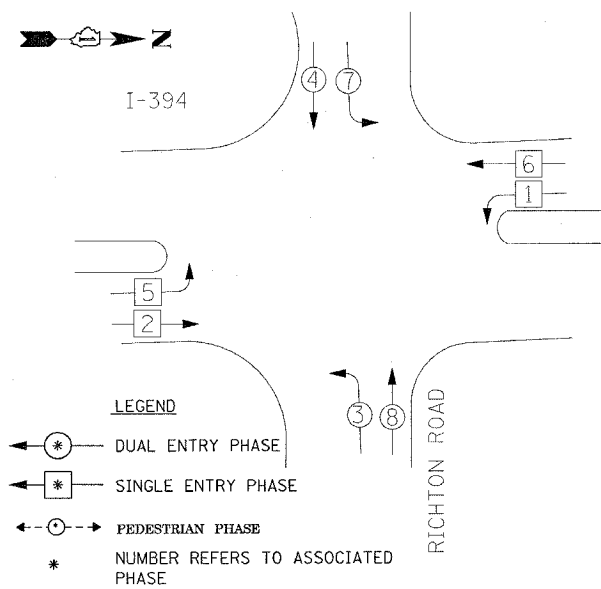
TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE

I-394

RICHTON ROAD

PROPOSED EMERGENCY VEHICLE PREEMPTORS
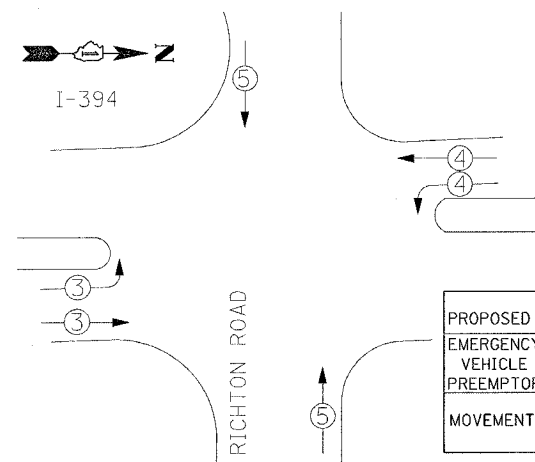
EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT			

CABLE PLAN

NO. 6

NO. 20

INTERCONNECT TO STEGER RD.

THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.

NO. 8 (GREEN) NOTE 1

NO. 6

I-394

RICHTON ROAD

NO. 20

NO. 8 (GREEN) NOTE 1

NO. 6

I-394

NO. 8 (GREEN) NOTE 1

NO. 6

NO. 20

NO. 8 (GREEN) NOTE 1

NO. 6

THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.

INTERCONNECT TO EXCHANGE ST.
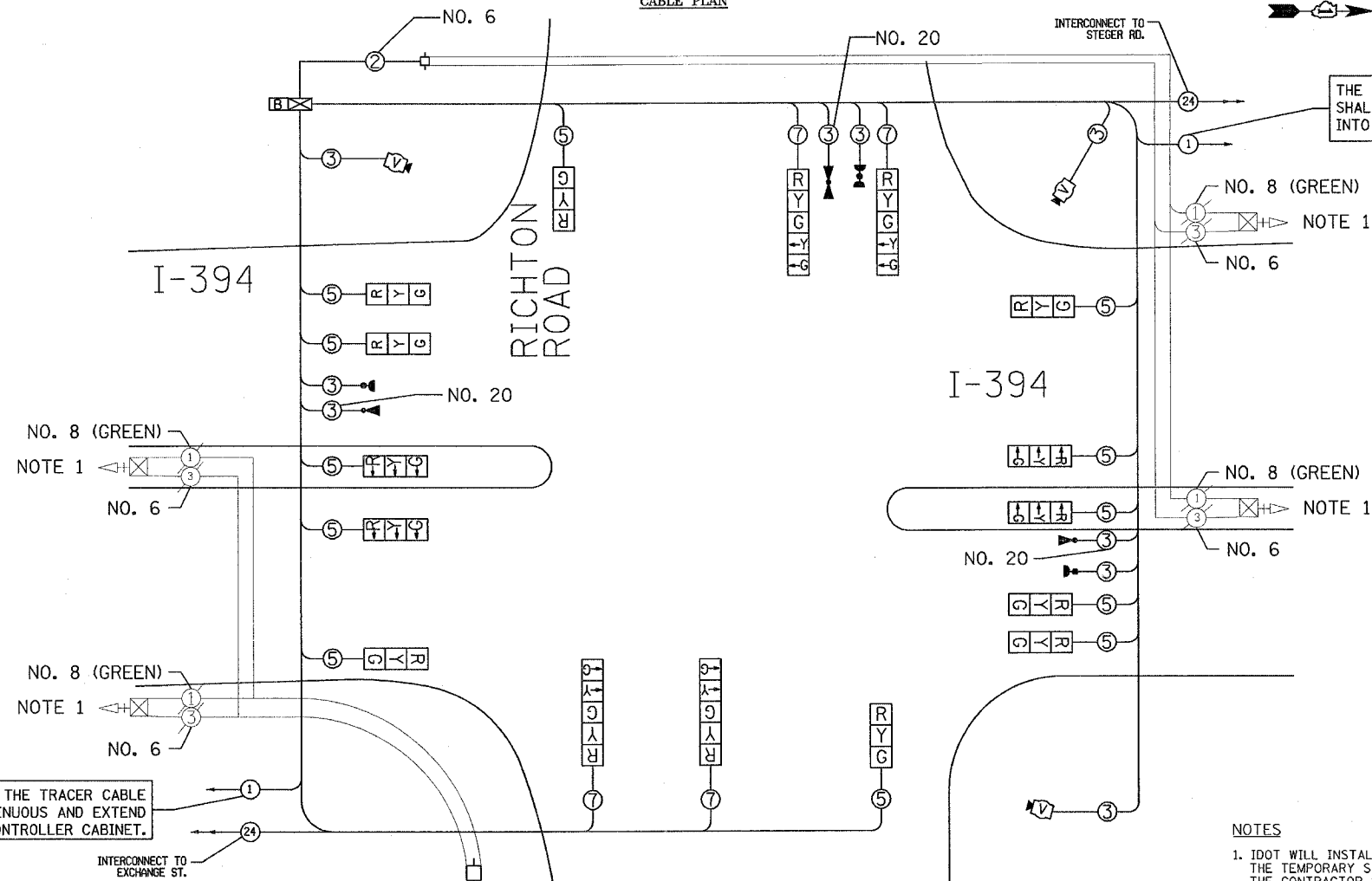
TEMPORARY CABLE PLAN LEGEND
- R — TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION 12"
- TEMPORARY CONTROLLER CABINET
- TEMPORARY SERVICE INSTALLATION
- (5) INDICATES NUMBER OF CONDUCTORS IN CABLE. ALL CONDUCTORS TO BE NO. 14 AWG WIRE UNLESS OTHERWISE NOTED.
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- PEDESTRIAN PUSHBUTTON DETECTOR
- 12" PEDESTRIAN SIGNAL SECTION
- VEHICLE DETECTOR, INDUCTION LOOP
- V VIDEO CAMERA DETECTOR
- B UNTERRUPTIBLE POWER SUPPLY
- EXISTING FLASHING BEACON

NOTES
1. IDOT WILL INSTALL ADVANCE SIGNS WHEN THE TEMPORARY SIGNAL IS INSTALLED. THE CONTRACTOR SHALL CONTACT THE IDOT AREA ENGINEER AT LEAST 2 WEEKS PRIOR TO THE SIGNAL TURN-ON.

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	20
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
SPAN WIRE (HEAVY DUTY)	FOOT	614
TETHER WIRE (HEAVY DUTY)	FOOT	614
* ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 3C	FOOT	1121
ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 5C	FOOT	1233
ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 7C	FOOT	693
ELECTRIC CABLE AERIAL SUSPENDED, SERVICE, NO. 6 2C	FOOT	59
* ELECTRIC CABLE AERIAL SUSPENDED, NO. 20 3/C, TWISTED, SHIELDED	FOOT	1121
* LIGHT DETECTOR	EACH	3
* LIGHT DETECTOR AMPLIFIER	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, SPAN WIRE MOUNTED	EACH	12
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, SPAN WIRE MOUNTED	EACH	4
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
UNINTERRUPTIBLE POWER SUPPLY	EACH	1
VIDEO DETECTION SYSTEM, COMPLETE INTERSECTION	EACH	1
TRAFFIC SIGNAL WOOD POLE, 45 FT., CLASS 4	EACH	4
OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	0.25
THERMOPLASTIC PAVEMENT MARKING LINE	FOOT	115
CHANGEABLE MESSAGE SIGN	CAL MO	4

* 100% COST TO VILLAGE OF CRETE

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	X	WATTAGE INCAND.	LED	X	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20		135	17		0.50	170.00
(YELLOW)	20		135	25		0.25	125.00
(GREEN)	20		135	15		0.25	75.00
ARROW	8		135	12		0.10	9.60
PED. SIGNAL			90	25		1.00	—
CONTROLLER	1		100	100		1.00	100.0
ILLUM. SIGN			84			0.05	—
FLASHER						0.05	—
						TOTAL=	479.60

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY CONTACT: MR. JERRY NISSEN
PHONE: (708)235-2340
COMPANY: COMMONWEALTH EDISON

FOUNDATION (DEPTH)	FT. (m)
TYPE A - POST	4 (1.2)
D - CONTROLLER	4 (1.2)
E - M. ARM POLE	
24" (600MM)	10 (3.0)
30" (750MM)	15 (4.6)

CABLE SLACK	FT. (m)
HANDHOLE	6.5 (2.0)
DOUBLE HANDHOLE	13 (4.0)
SIGNAL POST	2 (1.0)
CONTROLLER CAB.	1 (0.5)
FIBER OPTIC	13 (4.0)
ELECTRIC SERVICE	1 (0.5)
GROUND CABLE	1 (0.5)

VERTICAL	FT. (m)
ALL FOUNDATIONS	3.5 (1.0)
MAST ARM (L) POLE	20'+L-2= (6m+L-0.6mm)=
BRACKET MOUNTED	13 (4.0)
PED. PUSHBUTTON	4 (1.2)
ELECTRIC SERVICE	13.5 (4.1)
SERVICE TO GROUND	13.5 (4.1)
POST MOUNTED	6 (1.8)

REVISIONS

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN,
TEMPORARY PHASE DESIGNATION DIAGRAM,
TEMPORARY EMERGENCY VEHICLE PREEMPTION
SCHEDULE OF QUANTITIES
I-394 AT RICHTON ROAD

SCALE: VERT. NONE
HORIZ.
DATE 11/26/07
DRAWN BY BL
CHECKED BY ER/TC