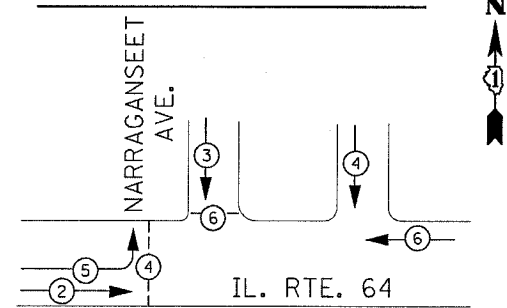


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2006-003 TS	COOK	63	49
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 60813				

### CONTROLLER SEQUENCE

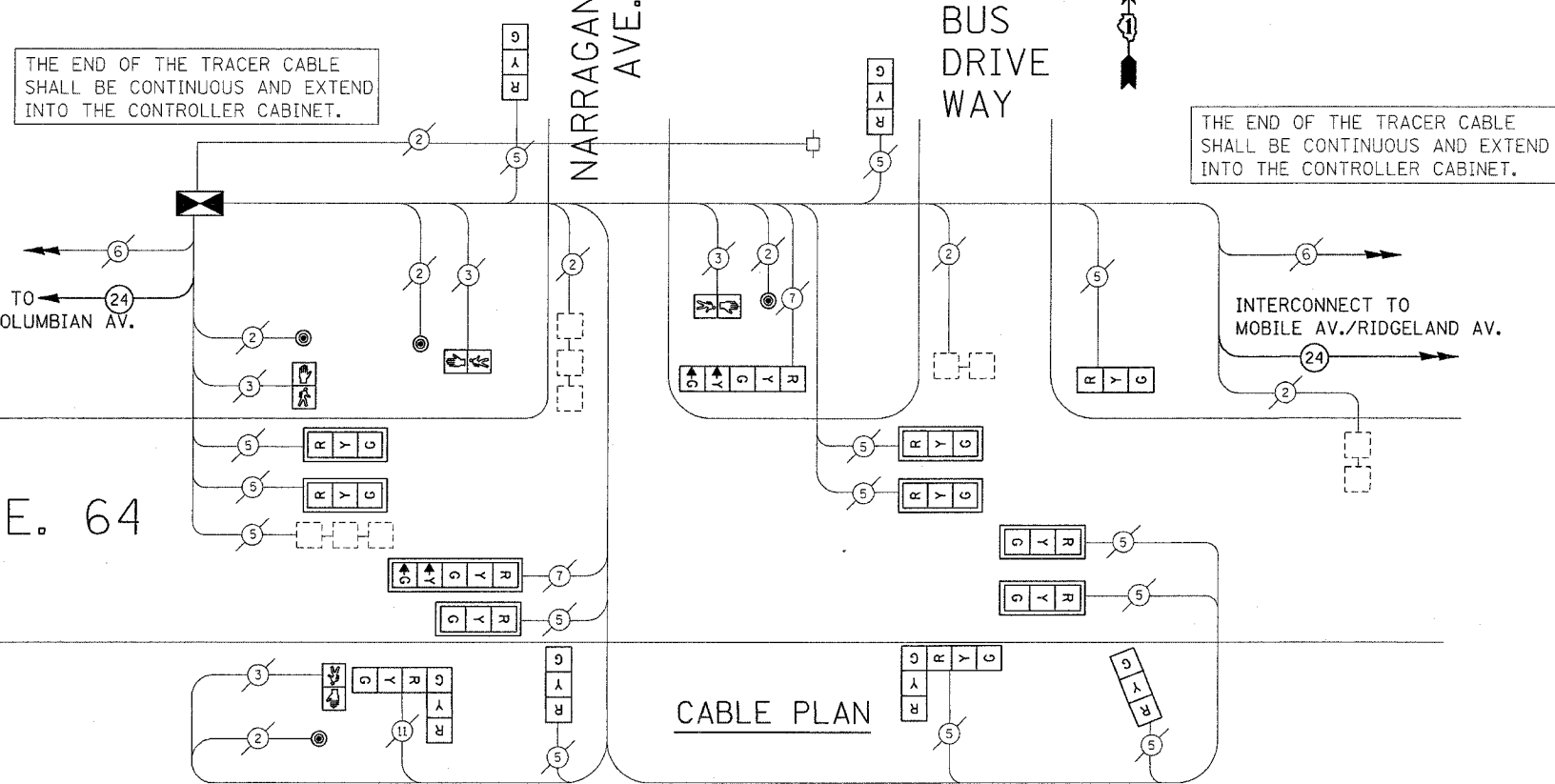


### LEGEND

- ← ⊙ ← DUAL ENTRY PHASE
- ← ⊙ ← PROTECTED LEFT TURN PHASE
- ◇ OVERLAP
- ← ⊙ ← PEDESTRIAN PHASE
- \* NUMBER REFERS TO ASSOCIATED PHASE

INTERCONNECT TO NATOMA AV./COLUMBIAN AV.

IL. RTE. 64



### CABLE PLAN

### CABLE PLAN LEGEND

- |  |                 |                 |
|--|-----------------|-----------------|
|  | <b>PROPOSED</b> | <b>EXISTING</b> |
| CONTROLLER CABINET   |                 |                 |
| RAILROAD CONTROL CABINET   |                 |                 |
| SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT                                       |                 |                 |
| TELEPHONE CONNECTION   |                 |                 |
| GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE       |                 |                 |
| FIBER OPTIC CABLE IN CONDUIT, NUMBER OF FIBERS AS NOTED                                  |                 |                 |
| ELECTRIC CABLE IN CONDUIT, NO. 14, UNLESS OTHERWISE NOTED. NUMBER OF CONDUCTORS AS NOTED |                 |                 |
| GROUND CABLE IN CONDUIT NO. 6 COPPER (GREEN)   |                 |                 |
| SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD                                |                 |                 |
| 12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE                     |                 |                 |
| 12" (300mm) TRAFFIC SIGNAL SECTION   |                 |                 |
| 12" (300mm) PEDESTRIAN SIGNAL SECTION  |                 |                 |
| ILLUMINATED SIGN "NO LEFT TURN"  |                 |                 |
| ILLUMINATED SIGN "NO RIGHT TURN"   |                 |                 |
| PUSHBUTTON DETECTOR  |                 |                 |
| DETECTOR LOOP  |                 |                 |
| PERFORMED DETECTOR LOOP  |                 |                 |
| MICROWAVE VEHICLE SENSOR   |                 |                 |
| VIDEO DETECTOR   |                 |                 |
| CLOSED CIRCUIT TV  |                 |                 |
| EMERGENCY VEHICLE SYSTEM DETECTOR  |                 |                 |
| CONFIRMATION BEACON  |                 |                 |

### SCHEDULE OF QUANTITIES

ITEM	UNIT	QTY.
TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	LSUM	.045
TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	.045
TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	LSUM	.045
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	2
PEDESTRIAN PUSH-BUTTON	EACH	4
SIGNAL HEAD ,LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5
SIGNAL HEAD ,LED, 1-FACE, 5-SECTION, BRACKET MNTED.	EACH	1
SIGNAL HEAD ,LED, 1-FACE, 3-SECTION, MAST ARM MNTED.	EACH	7
SIGNAL HEAD ,LED, 1-FACE, 5-SECTION, MAST ARM MNTED.	EACH	1
SIGNAL HEAD ,LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
FULL-ACTUATED CONTROLLER	EACH	1
TRANSCIEVER - FIBER OPTIC	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	4
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED ALUMINUM	EACH	8

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE	
TYPE	NO. LAMPS	WATTAGE		% OPERATION		
SIGNAL (RED)	18	135	17	0.50	153.00	
	(YELLOW)	20	135	25	0.25	125.00
	(GREEN)	20	135	15	0.25	75.00
ARROW	4	135	12	0.10	4.80	
PED. SIGNAL		90	25	1.00		
CONTROLLER		100	100	1.00		
ILLUM. SIGN		84		0.05		
FLASHER				0.50		
ENERGY COSTS TO:					TOTAL = 357.80	

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'+L-2' =
E - M. ARM POLE		SIGNAL POST	2 (1.0)	(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)
		ELECTRIC SERVICE	1 (0.5)	ELECTRIC SERVICE	13.5 (4.1)
		GROUND CABLE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
				POST MOUNTED	6 (1.8)

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ILLINOIS DEPARTMENT OF TRANSPORTATION  
 201 WEST CENTER COURT  
 SCHAUMBURG, ILLINOIS 60196-1096  
 CONTACT: LARRY D. SHANK  
 PHONE: (847) 291-3214  
 COMPANY: COMMONWEALTH EDISON

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<p style="text-align: center;">PROPOSED CABLE PLAN FOR ILL. RTE. 64 (NORTH AVE.) AT NARRAGANSETT AVE.</p> <p>SCALE: NONE DATE 6/23/2006</p> <p style="text-align: right;">DRAWN BY BCK DESIGNED BY BCK CHECKED BY DAD</p>