

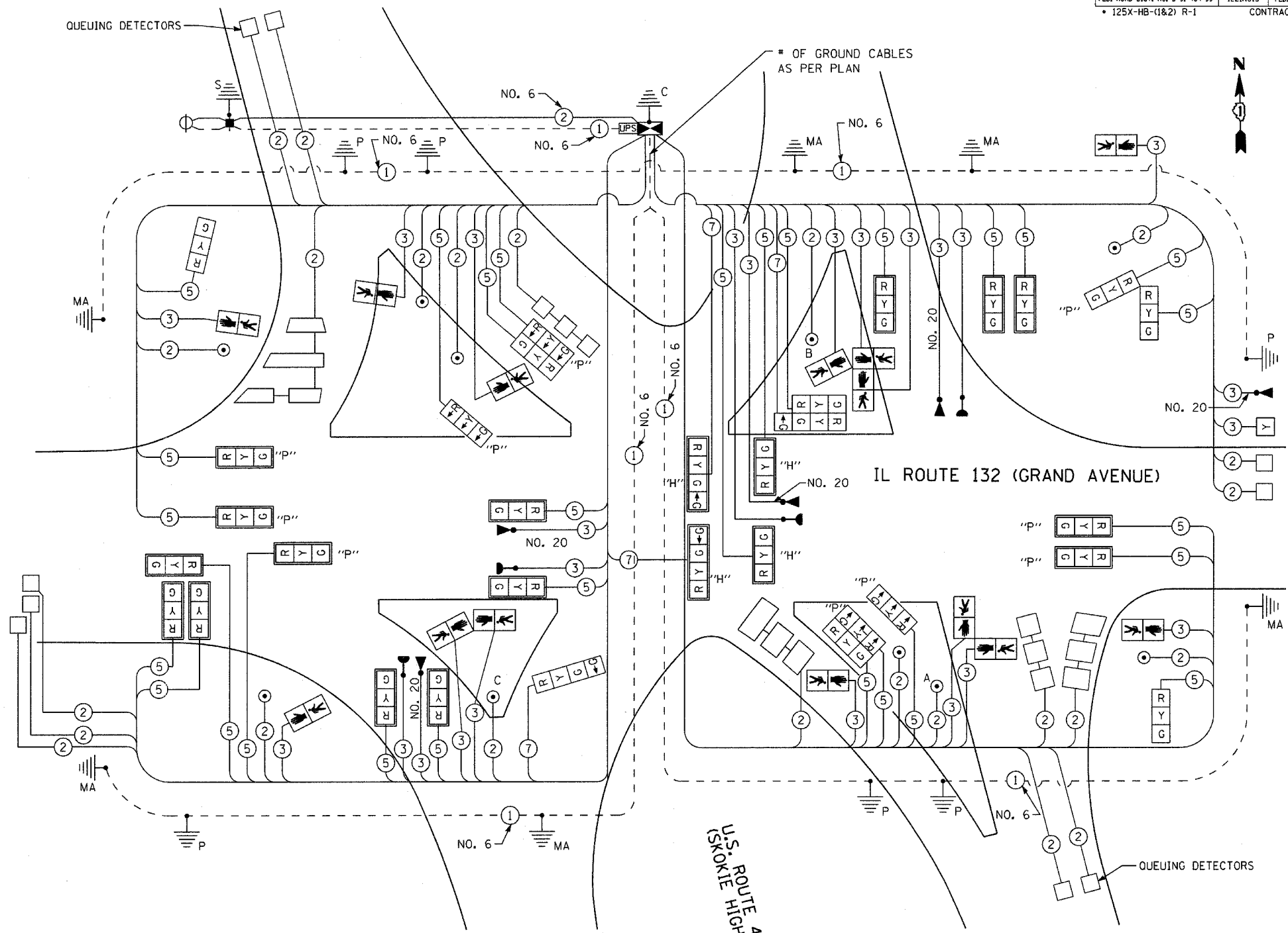
CABLE PLAN LEGEND

EXISTING PROPOSED

- 8" (200mm) TRAFFIC SIGNAL SECTION
- 12" (300mm) TRAFFIC SIGNAL SECTION
- 12" (300mm) PEDESTRIAN SIGNAL SECTION
- 12" (300mm) PEDESTRIAN SIGNAL SECTION
- CONTROLLER CABINET
- SERVICE INSTALLATION
- TELEPHONE CONNECTION
- MAGNETIC DETECTOR
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- PUSHBUTTON DETECTOR
- VEHICLE DETECTOR, INDUCTION LOOP
- ② DENOTES NUMBER OF CONDUCTORS, ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
- COMED SERVICE POLE

EXISTING PROPOSED

- SIGNAL FACE WITH BACKPLATE "P" INDICATES PROGRAMMED HEAD
- RAILROAD CONTROL CABINET
- GROUND ROD AT HANDHOLE, DOUBLE HANDHOLE, OR CONTROLLER
- GROUND ROD AT POST OR MAST ARM POLE
- GROUND ROD AT ELECTRIC SERVICE INSTALLATION
- ① GROUND CABLE IN CONDUIT, NO.6 SOLID COPPER (GREEN)
- ② FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 2-MM12F & SM12F
- UNINTERRUPTIBLE POWER SUPPLY
- HORIZONTAL MOUNTED SIGNAL HEAD "H"



CABLE PLAN
NOT TO SCALE

PEDESTRIAN PUSHBUTTON "A" SHALL PLACE A CALL IN PHASES 1 & 4
 PEDESTRIAN PUSHBUTTON "B" SHALL PLACE A CALL IN PHASES 3 & 4
 PEDESTRIAN PUSHBUTTON "C" SHALL PLACE A CALL IN PHASES 1 & 2

NOTE:
 1. INSTALL HORIZONTALLY MOUNTED SIGNAL HEADS USING STEEL MAST ARM MOUNTS AS SHOWN ON HIGHWAY STANDARD 880006.
 2. 3/C NO 20 TWISTED SHIELDED FOR THE LIGHT DETECTOR SHALL COMPLY WITH EQUIPMENT MANUFACTURER RECOMMENDATION.

DATE	
BY	
REVISIONS	
PLAN	
NO.	
NOTE BOOK	
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I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. OF LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	32	135	17	0.50	272
(YELLOW)	32	135	25	0.25	200
(GREEN)	36	135	15	0.25	135
PED. SIGNAL	14	90	25	1.00	350
CONTROLLER	1	100	100	1.00	100
FLASHER	1		25	0.50	12.50

ENERGY COSTS TO:	TOTAL =	1069.50
ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAY/DISTRICT I 201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096		
ENERGY SUPPLY:	CONTACT:	<u>DOTI PROSEN</u>
	PHONE:	<u>(847) 816-5529</u>
	COMPANY:	<u>COMED</u>

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 - MAST ARM POLE		SIGNAL POST	2 (1.0)	(6mmL-0.6m)	
		24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)
		30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)
		36" (900mm)	15 (4.6)	ELECTRIC SERVICE	1 (0.5)
				GROUND CABLE	1 (0.5)
				POST MOUNTED	6 (1.8)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 U.S. 41 (SKOKIE HIGHWAY)
 AT IL ROUTE 132

CABLE PLAN

SCALE: NONE
 DATE: 06-10-2008

DRAWN BY: PK
 DESIGNED BY: JM
 CHECKED BY: JW

EJM ENGINEERING, INC.
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 Chicago, Illinois 60607