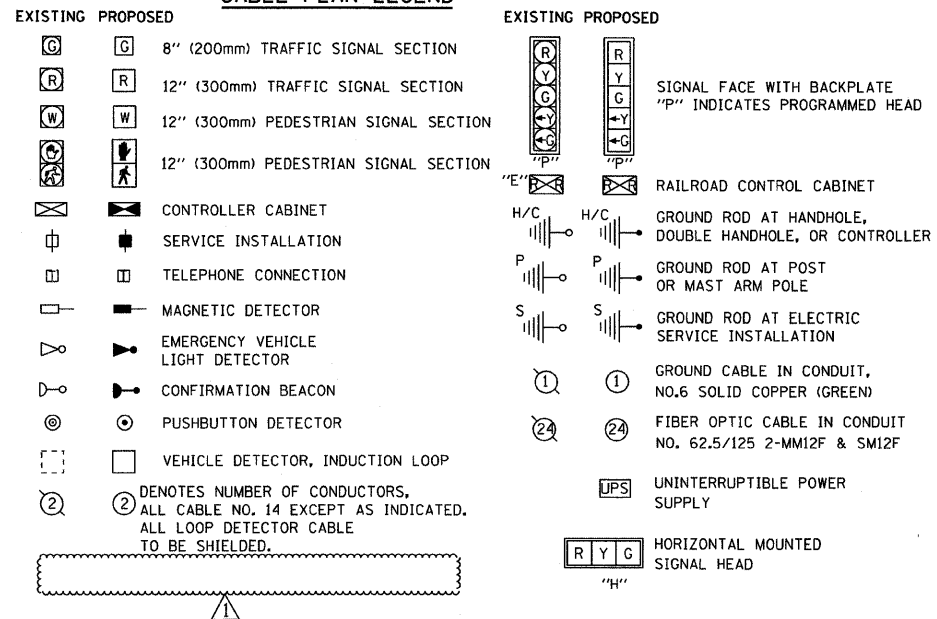
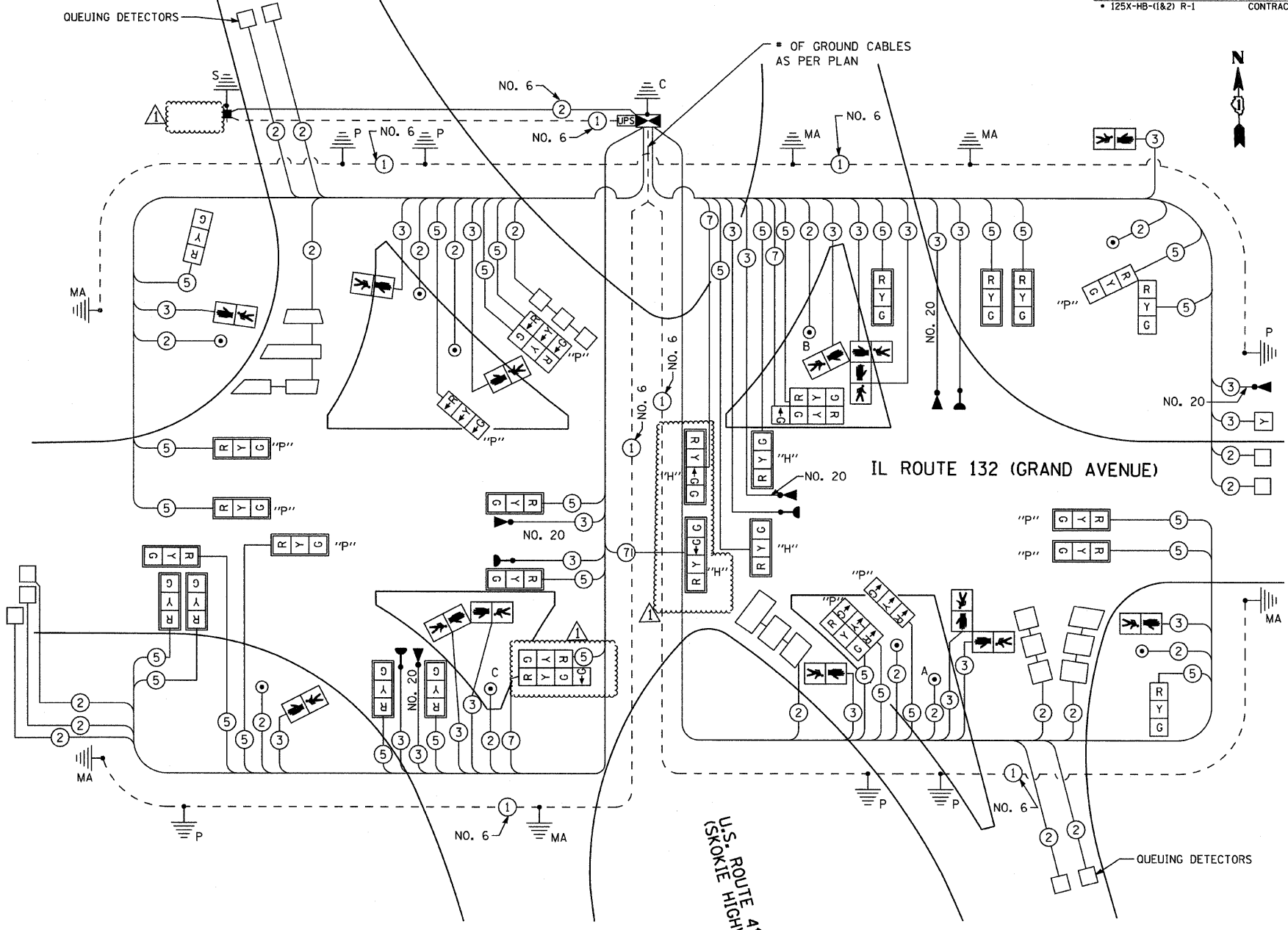


CABLE PLAN LEGEND



THE TRAFFIC SIGNAL CONTROLLER SHALL BE NTCIP CONTROLLER THAT WILL ALLOW THE TRAFFIC SIGNAL TO BE ADDED TO THE LAKE COUNTY PASSAGE SYSTEM



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

CABLE PLAN
NOT TO SCALE

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.

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: DOTI PROSEN
 PHONE: (847) 816-5529
 COMPANY: COMED

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 = (6mH-0.6m)
E - MAST ARM POLE		SIGNAL POST	2 (1.0)	BRACKET MOUNTED	13 (4.0)
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	PED. PUSHBUTTON	4 (1.2)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	ELECTRIC SERVICE	13.5 (4.1)
36" (900mm)	15 (4.6)	ELECTRIC SERVICE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
		GROUND CABLE	1 (0.5)	POST MOUNTED	6 (1.8)

EJM ENGINEERING, INC.
 411 South Wells Street Suite 800
 Chicago, Illinois 60607

REVISIONS	
NAME	DATE
ADDENDUM NO. 1	7/17/8

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

PLAN	SURVEYED	DATE

PROFILE	SURVEYED	DATE