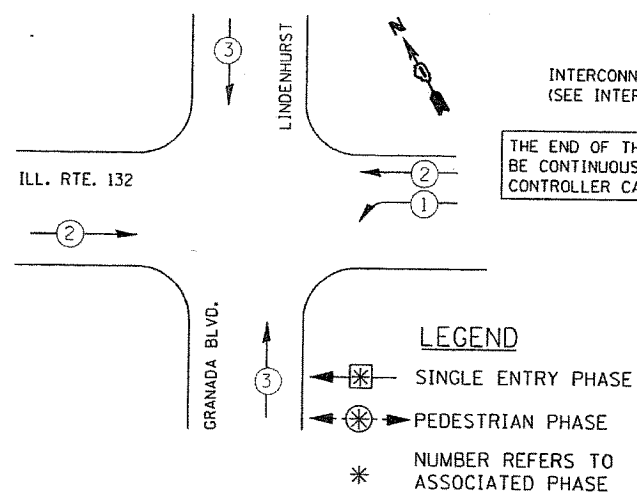
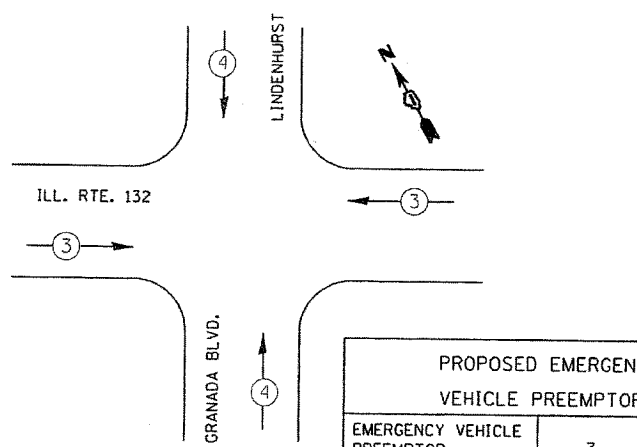


CONTROLLER SEQUENCE

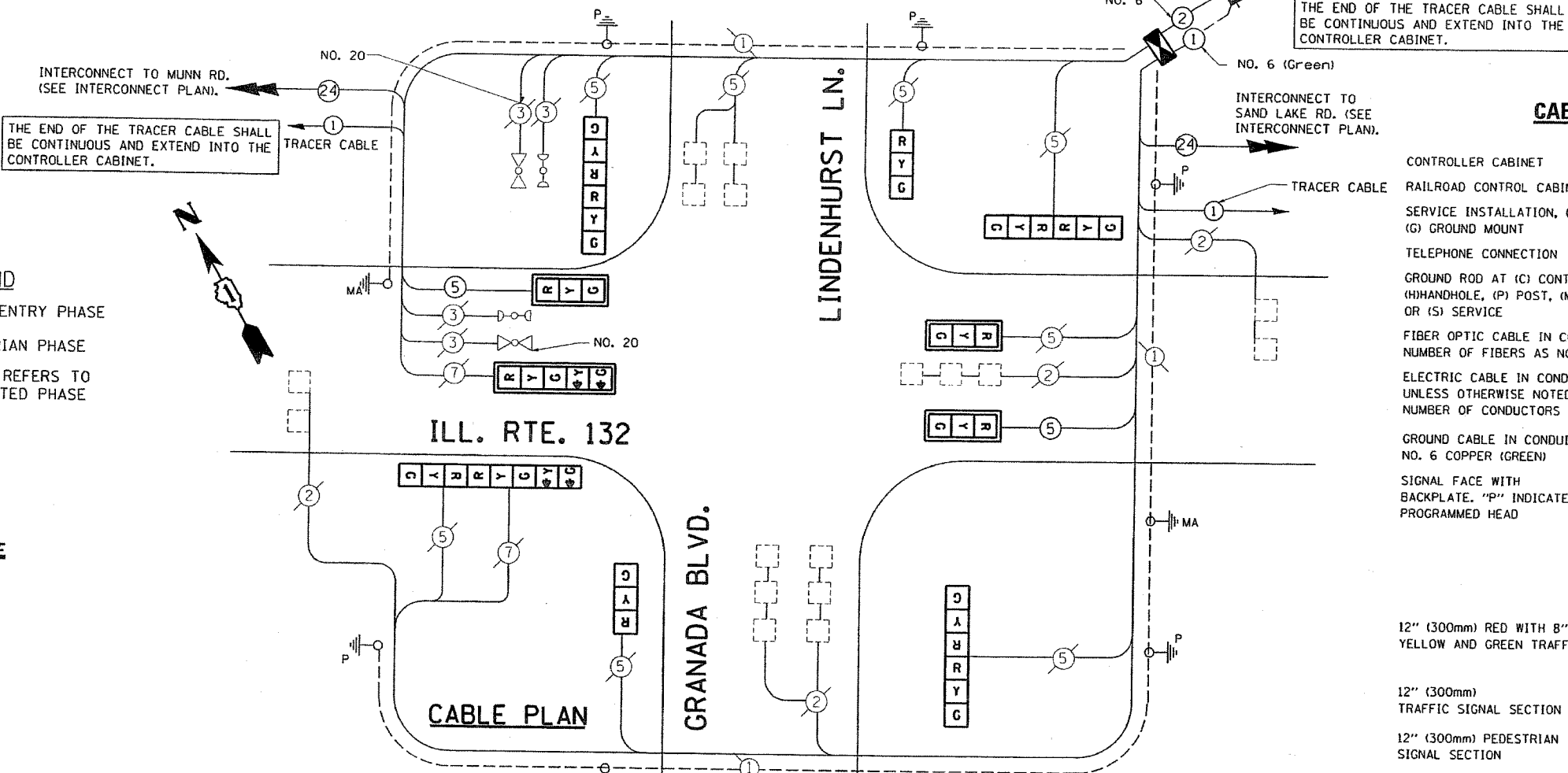


EMERGENCY VEHICLE PREEMPTION SEQUENCE



EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	→	↑

TYPE	NO. LAMPS	WATTAGE INCAND.	LED	%OPERATION	TOTAL WATTAGE
SIGNAL (RED)	14	135	17	0.50	119.00
(YELLOW)	14	135	25	0.25	87.50
(GREEN)	14	135	15	0.25	52.50
ARROW	4	135	12	0.10	4.80
PED. SIGNAL		90	25	1.00	
CONTROLLER	1	100	100	1.00	100.00
ILLUM. SIGN		84		0.05	
FLASHER				0.50	
ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096					TOTAL = 363.80
ENERGY SUPPLY CONTACT: AMADOR VELEZ PHONE: (847) 816-5248 COMPANY: COM. EDISON					



CABLE PLAN LEGEND

- | | | |
|--|----------|----------|
| CONTROLLER CABINET | PROPOSED | EXISTING |
| 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 | | |

ITEM

- TRAFFIC CONTROL AND PROTECTION, STANDARD 701501
- TRAFFIC CONTROL AND PROTECTION, STANDARD 701701
- TRAFFIC CONTROL AND PROTECTION, STANDARD 701801
- MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
- ELECTRIC CABLE IN CONDUIT, GROUNDING NO. 6 1 C
- ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 2 C
- ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
- CONDUIT IN TRENCH, 2" DIA. GALVANIZED STEEL
- CONDUIT IN PUSHED, 2" DIA. GALVANIZED STEEL
- TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
- TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
- SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, BRACKET MOUNTED.
- SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED.
- SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED.
- SIGNAL HEAD, L.E.D., 2-FACE, 3 SECTION, BRACKET MOUNTED.
- SIGNAL HEAD, L.E.D., 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MNTED.
- REMOVE EXISTING TRAFFIC SIGNAL INSTALLATION
- REMOVE ELECTRIC CABLE FROM CONDUIT
- SERVICE INSTALLATION, POLE MOUNTED
- FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
- TRANSCIVER-FIBER OPTIC
- INDUCTIVE LOOP DETECTOR
- DRILL EXISTING HANDHOLE
- TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM

SCHEDULE OF QUANTITIES

UNIT	QUANTITY
LSUM	.17
LSUM	.17
LSUM	.17
EACH	1
FOOT	10
FOOT	10
FOOT	270
FOOT	140
FOOT	170
EACH	5
EACH	1
EACH	2
EACH	2
EACH	2
EACH	3
EACH	1
EACH	1
FOOT	10
EACH	1
EACH	1
EACH	1
EACH	5
EACH	4
EACH	4

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)

NOTE: THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**CABLE PLAN, PHASE DESIGNATION DIAGRAM
 EMERGENCY VEHICLE PREEMPTION SEQUENCE
 AND SCHEDULE OF QUANTITIES
 ILL. RTE. 132 AT GRANADA BLVD.**

SCALE: VERT. 1"=20'
 HORIZ. DATE 5/3/2006
 DRAWN BY: BCK
 DESIGNED BY: BCK
 CHECKED BY: DAD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2004-121 TS	LAKE	19	14
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
CONTRACT NO. 62887				