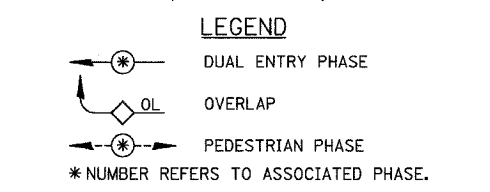
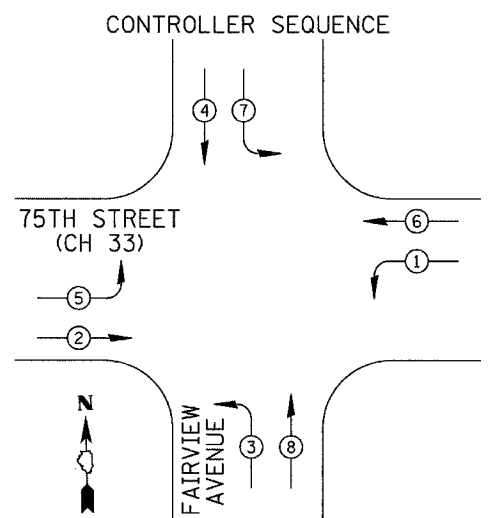


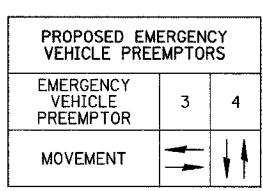
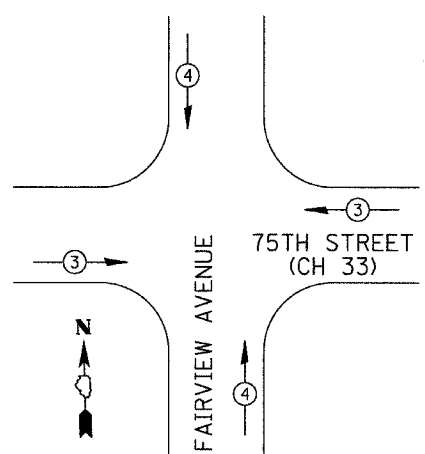
PROPOSED PHASE DESIGNATION DIAGRAM



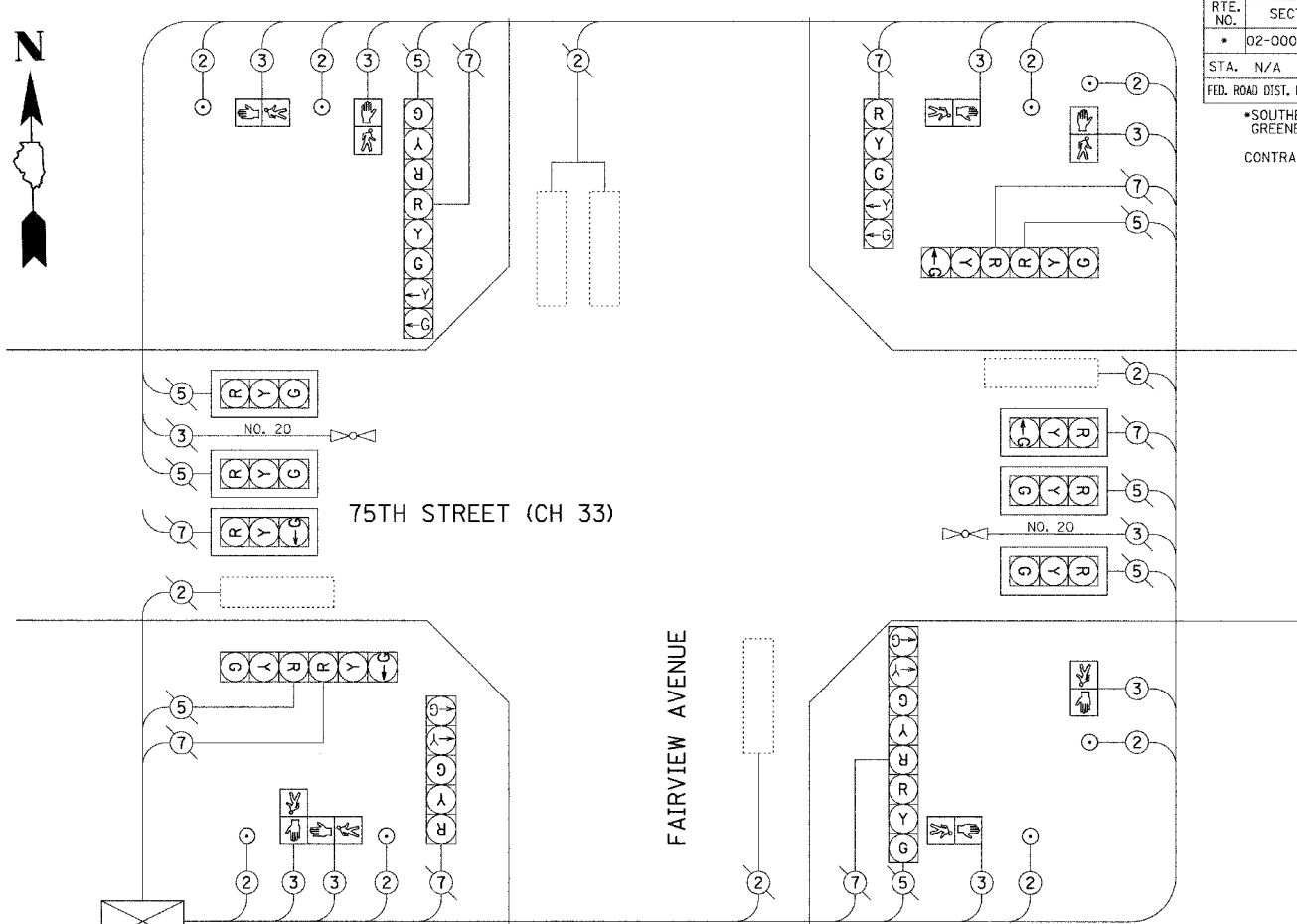
EXISTING PHASE DESIGNATION DIAGRAM

SCHEDULE OF QUANTITIES

81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	56
81400115	HANDHOLE TO BE ADJUSTED	EACH	2
81500200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	56
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2/C	FOOT	2135
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3/C	FOOT	2222
87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL, 10 FT.	EACH	2
87601100	PEDESTRIAN PUSHBUTTON POST, GALVANIZED STEEL, TYPE 1	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	8
87900200	DRILL EXISTING HANDHOLE	EACH	3
X8810610	PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRACKET MOUNTED	EACH	6
X8810620	PEDESTRIAN SIGNAL HEAD, L.E.D., 2-FACE, BRACKET MOUNTED	EACH	1
88800100	PEDESTRIAN PUSH-BUTTON	EACH	8
89502200	MODIFY EXISTING CONTROLLER	EACH	1



EMERGENCY VEHICLE PREEMPTION SEQUENCE EXISTING - TO REMAIN



CABLE PLAN

EXISTING PROPOSED

		8" (200 mm) TRAFFIC SIGNAL SECTION
		12" (300 mm) TRAFFIC SIGNAL SECTION
		12" (300 mm) PEDESTRIAN SIGNAL SECTION
		12" (300 mm) PEDESTRIAN SIGNAL SECTION
		CONTROLLER CABINET
		SERVICE INSTALLATION
		TELEPHONE CONNECTION
		VEHICLE DETECTOR, INDUCTION LOOP
		MAGNETIC DETECTOR
		EMERGENCY VEHICLE LIGHT DETECTOR
		CONFIRMATION BEACON
		PEDESTRIAN PUSHBUTTON DETECTOR
		2 DENOTES NUMBER OF CONDUCTORS. ALL EX. CABLE NO. 12, ALL PR. CABLE NO. 14. ALL EX. LOOP DETECTOR CABLE IS SHIELDED.
		1 GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)

CABLE PLAN LEGEND

EXISTING PROPOSED

		FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 2-MM12F SM12F
		SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD.
		RAILROAD CONTROL CABINET
		ILLUMINATED SIGN "NO LEFT TURN"
		ILLUMINATED SIGN "NO RIGHT TURN"
		GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C)
		GROUND ROD AT POST (P) OR MAST ARM POLE (MA)
		GROUND ROD AT ELECTRIC SERVICE INSTALLATION

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

TYPE	NO. LAMPS	WATTAGE		% OPERATION	TOTAL WATTAGE
		INCAND	LED		
SIGNAL (RED)	16	135	-	0.50	1080
(YELLOW)	16	135	-	0.25	540
(GREEN)	16	135	-	0.25	540
ARROW	-	-	-	0.10	-
PED. SIGNALS	8	-	25	1.00	200
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN	-	-	-	0.05	-
FLASHER	-	-	-	-	-
TOTAL					2460

ENERGY COSTS TO: DuPAGE COUNTY

ENERGY SUPPLY CONTACT:

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)	(6 m+L-0.6 m)=	
24" (600 mm)	10 (3.0)	CONTROLLER CABINET	1 (0.5)	BRACKET MOUNTED	13 (4.0)
30" (750 mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	PEDESTRIAN 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)

REVISIONS

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

75TH STREET (CH 33) AND FAIRVIEW AVENUE

CABLE PLAN, CONTROLLER SEQUENCE, EMERGENCY VEHICLE PREEMPTION SEQUENCE & SUMMARY OF QUANTITIES

SCALE: N/A

DATE: 5/10/04

DRAWN BY: SRH & BSL  
DESIGNED BY: JM  
CHECKED BY: JM & SRH