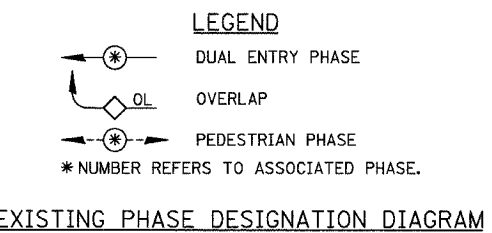
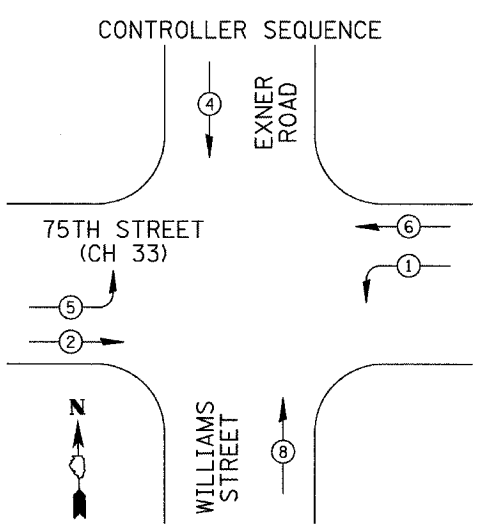


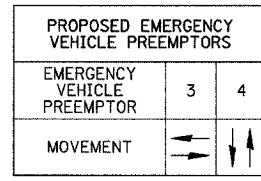
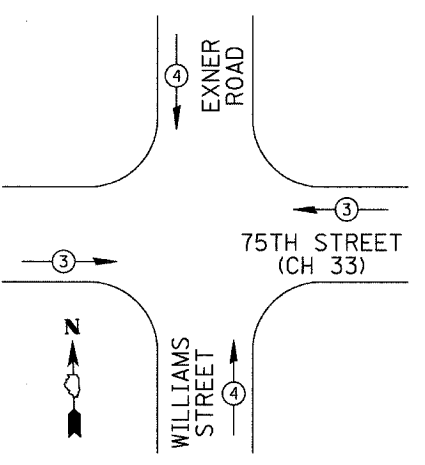
PROPOSED PHASE DESIGNATION DIAGRAM



EXISTING PHASE DESIGNATION DIAGRAM

SCHEDULE OF QUANTITIES

81400115	HANDHOLE TO BE ADJUSTED	EACH	3
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2/C	FOOT	1023
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3/C	FOOT	1317
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	7
89502200	MODIFY EXISTING CONTROLLER	EACH	1

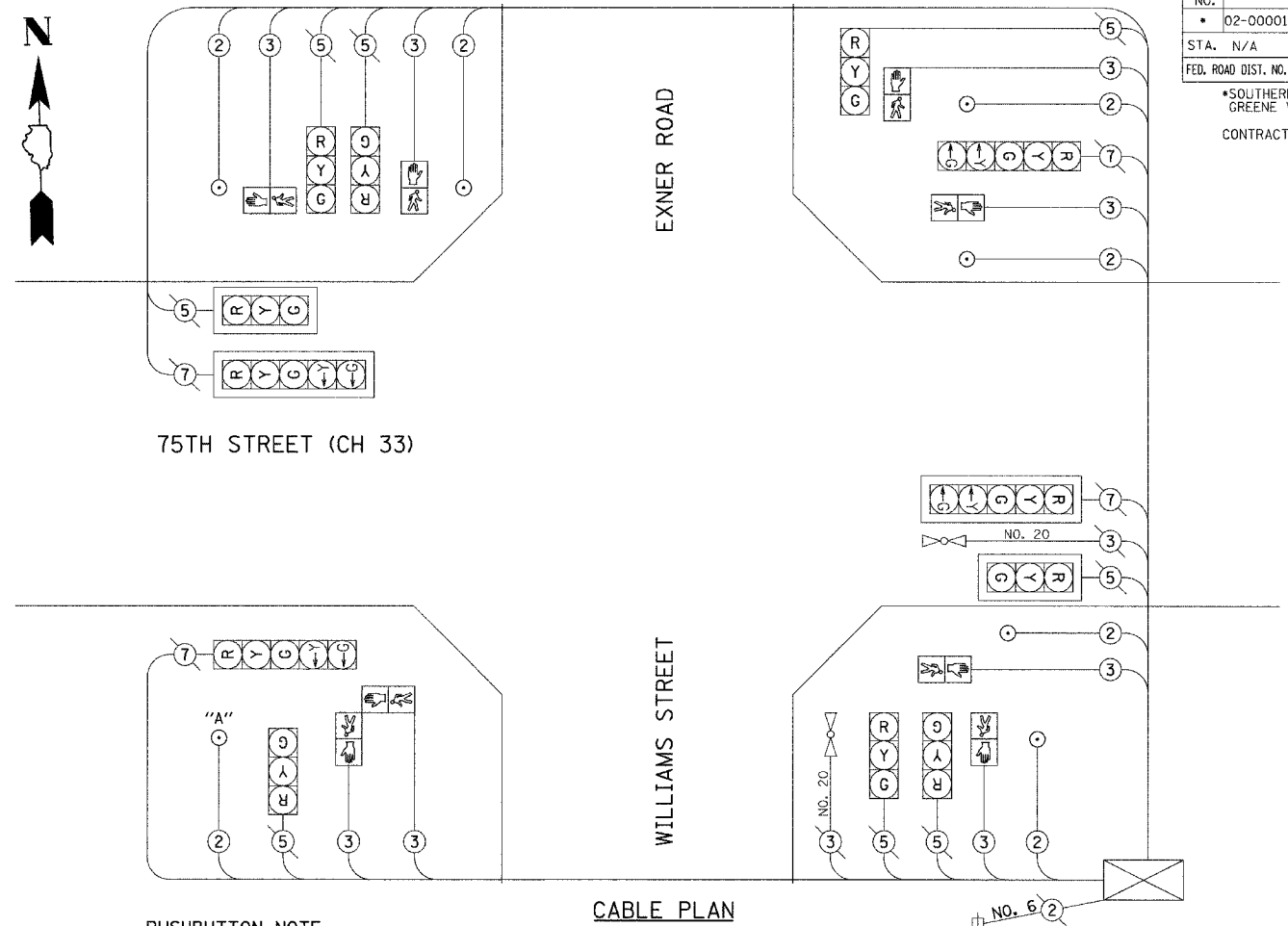


EMERGENCY VEHICLE PREEMPTION SEQUENCE EXISTING - TO REMAIN

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

TYPE	NO. LAMPS	WATTAGE		% OPERATION	TOTAL WATTAGE
		INCAND	LED		
SIGNAL (RED)	12	135	-	0.50	810
(YELLOW)	12	135	-	0.25	405
(GREEN)	12	135	-	0.25	405
ARROW	8	135	-	0.10	108
PED. SIGNALS	8	-	25	1.00	200
CONTROLLER	1	100	-	1.00	100
ILLUM. SIGN	-	-	-	0.05	-
FLASHER	-	-	-	-	-
ENERGY COSTS TO: DuPAGE COUNTY					2028

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)



PUSHBUTTON NOTE
PUSHBUTTON "A" PLACES A CALL IN PHASES 2 AND 4.

CABLE PLAN

EXISTING	PROPOSED	DESCRIPTION
⓪	⓪	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	②	2 CONDUCTORS
①	①	1 CONDUCTOR

CABLE PLAN LEGEND

EXISTING	PROPOSED	DESCRIPTION
Ⓜ	Ⓜ	RAILROAD CONTROL CABINET
Ⓜ	Ⓜ	ILLUMINATED SIGN "NO LEFT TURN"
Ⓜ	Ⓜ	ILLUMINATED SIGN "NO RIGHT TURN"
H/C	C	GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C)
P	P	GROUND ROD AT POST (P) OR MAST ARM POLE (MA)
S	S	GROUND ROD AT ELECTRIC SERVICE INSTALLATION

REVISIONS

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

75TH STREET (CH 33) AND WILLIAMS STREET/EXNER ROAD 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