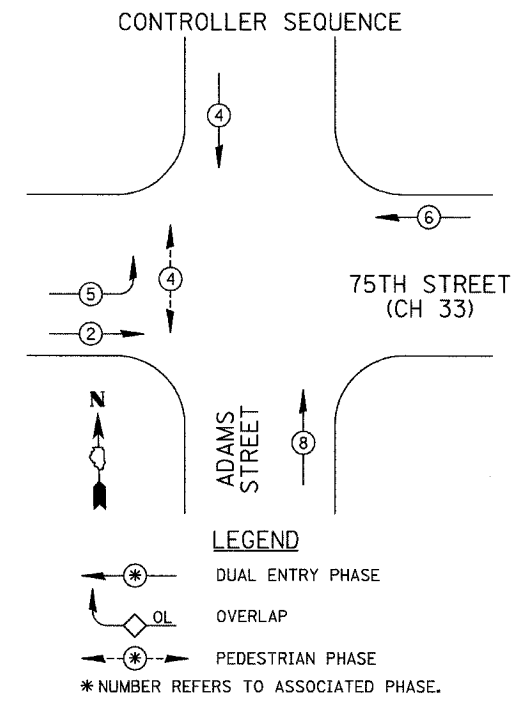


PROPOSED PHASE DESIGNATION DIAGRAM



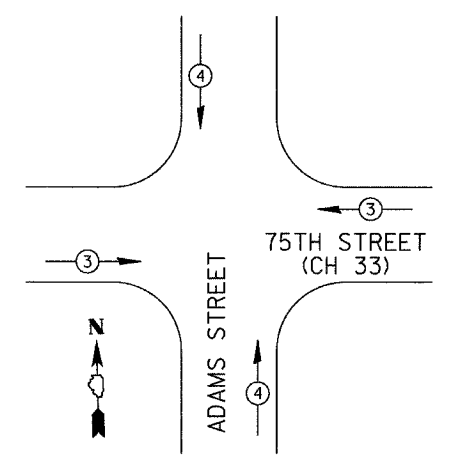
EXISTING PHASE DESIGNATION DIAGRAM

SCHEDULE OF QUANTITIES

85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2/C	FOOT	842
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3/C	FOOT	1367
X8810610	PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRACKET MOUNTED	EACH	4
X8810620	PEDESTRIAN SIGNAL HEAD, L.E.D., 2-FACE, BRACKET MOUNTED	EACH	2
88800100	PEDESTRIAN PUSHBUTTON	EACH	5
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	399

NOTE: REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT, SHALL CONSIST OF THE REMOVAL OF TWO EXISTING (TEXT) 1-FACE BRACKET MOUNTED PEDESTRIAN SIGNAL INDICATIONS, TO BE REPLACED WITH SYMBOL PEDESTRIAN INDICATIONS.

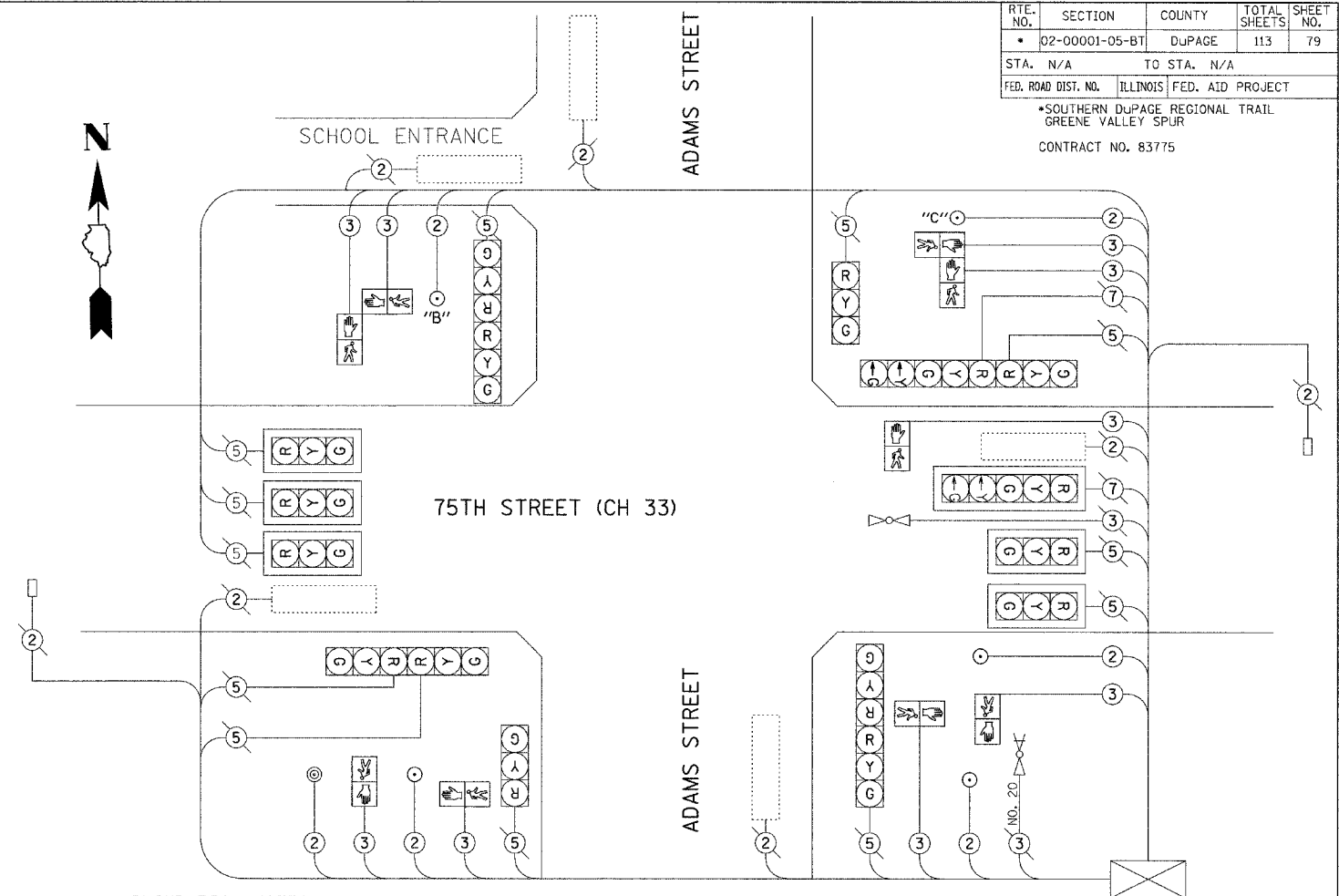
THE CONTRACTOR SHALL RETAIN POSSESSION OF THE REMOVED EQUIPMENT AND REFLECT THEIR SALVAGE VALUE IN HIS BID PRICE FOR THIS ITEM.



EMERGENCY VEHICLE PREEMPTION SEQUENCE EXISTING - TO REMAIN

EMERGENCY VEHICLE PREEMPTOR	
3	4
MOVEMENT	
←	↑
→	↓

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 NOTES
 1. PUSHBUTTON "B" PLACES A CALL IN PHASES 4 AND 6.
 2. PUSHBUTTON "C" PLACES A CALL IN PHASES 6 AND 8.

EXISTING	PROPOSED	DESCRIPTION
(C)	(E)	8" (200 mm) TRAFFIC SIGNAL SECTION
(R)	(R)	12" (300 mm) TRAFFIC SIGNAL SECTION
(W)	(W)	12" (300 mm) PEDESTRIAN SIGNAL SECTION
(P)	(P)	12" (300 mm) PEDESTRIAN SIGNAL SECTION
(CAB)	(CAB)	CONTROLLER CABINET
(S)	(S)	SERVICE INSTALLATION
(T)	(T)	TELEPHONE CONNECTION
(V)	(V)	VEHICLE DETECTOR, INDUCTION LOOP
(M)	(M)	MAGNETIC DETECTOR
(EVD)	(EVD)	EMERGENCY VEHICLE LIGHT DETECTOR
(C/B)	(C/B)	CONFIRMATION BEACON
(P/P)	(P/P)	PEDESTRIAN PUSHBUTTON DETECTOR
(2)	(2)	2 DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
(1)	(1)	1 GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)

EXISTING	PROPOSED	DESCRIPTION
(24)	(24)	FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 2-MM12F SM12F
(R)	(R)	SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD.
(E)	(E)	RAILROAD CONTROL CABINET
(NLT)	(NLT)	ILLUMINATED SIGN "NO LEFT TURN"
(NRT)	(NRT)	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 ADAMS STREET

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