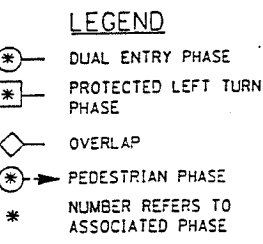
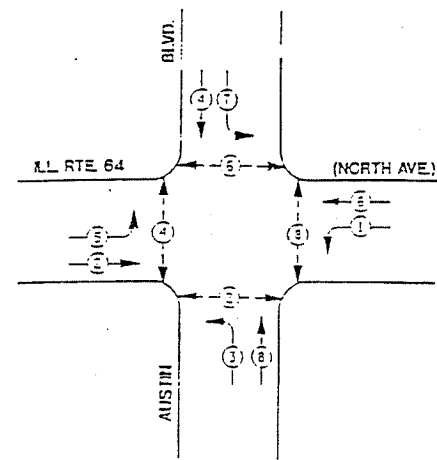


CONTROLLER SEQUENCE

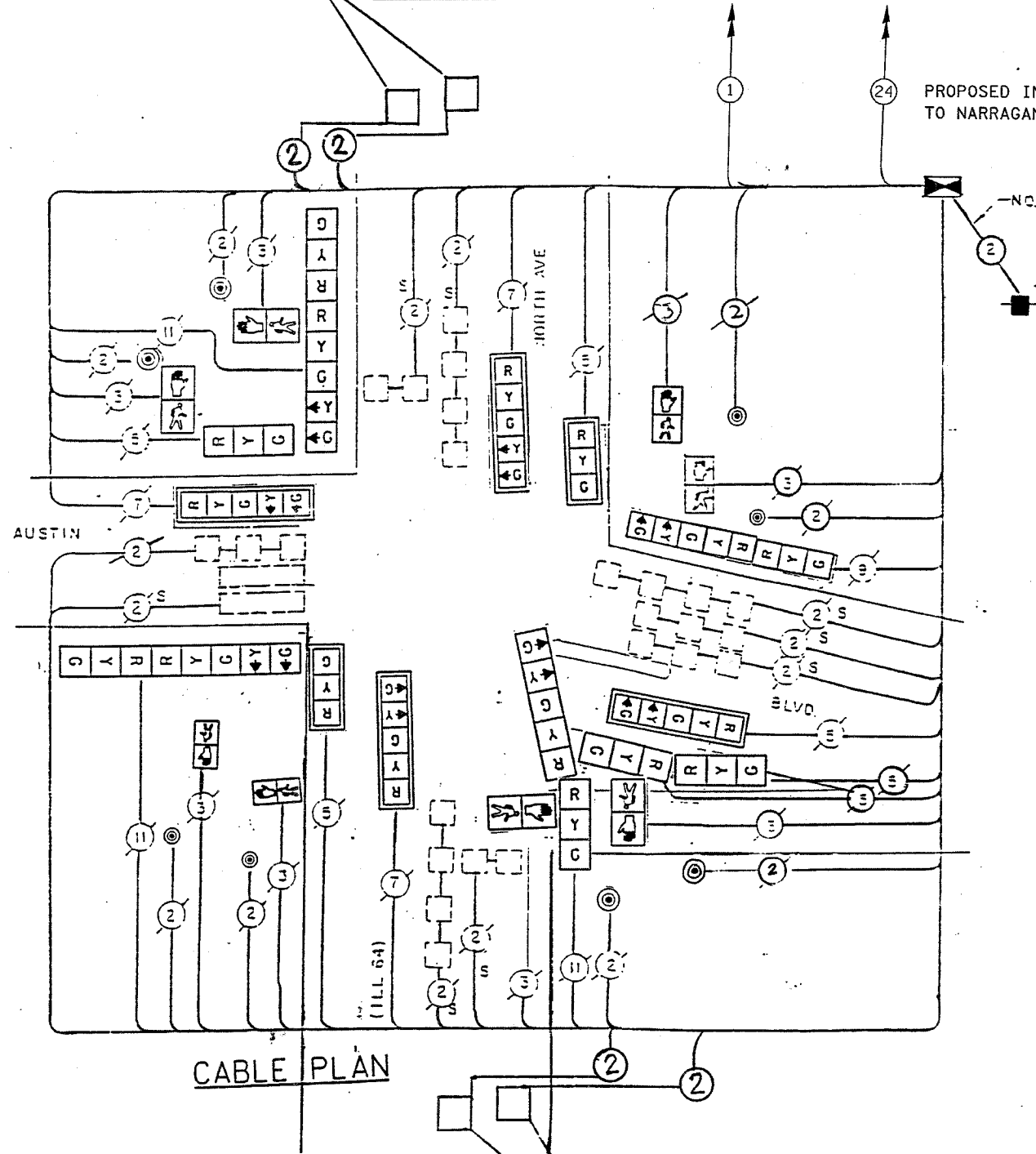


SCHEDULE OF QUANTITIES

ITEM	UNIT	QTY.
TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	LSUM	.045
TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	.045
TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	LSUM	.045
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	450
HANDHOLE	EACH	2
SIDWALK REMOVAL	SQ.FT.	80
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3
PEDESTRIAN PUSH-BUTTON	EACH	8
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	8
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MNTED.	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MNTED.	EACH	4
SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5, SECTION BRACKET MOUNTED	EACH	4
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	13
DETECTOR LOOP, TYPE 1	FOOT	135
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	70
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	70
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	810
SERVICE INSTALLATION, POLE MOUNT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	70
TRAFFIC SIGNAL BACKPLATE, LOUVERED ALUMINUM	FOOT	6

PROPOSED INTERSECTION AND SAMPLING (SYSTEM) LOOPS

THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.



CABLE PLAN

CABLE PLAN LEGEND

	PROPOSED	EXISTING
CONTROLLER CABINET		
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 CABLES AS NOTED		
GROUND CABLE IN CONDUIT NO. 6 COPPER (WIRE)		
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 "RIGHT TURN"		
PUSHBUTTON DETECTOR		
DETECTOR LOOP		
PREPARED FOR LOOP		
MICROWAVE VEHICLE SENSOR		
VIDEO DETECTOR		
CLOSED CIRCUIT TV		
EMERGENCY VEHICLE SYSTEM DETECTOR		
CONFIRMATION BEACON		

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE (INCAND.)	LED	% OPERATION	
SIGNAL (RED)	9	135	17	0.50	76.50
(YELLOW)	11	135	25	0.25	68.75
(GREEN)	12	135	15	0.25	45.00
ARROW	6	135	12	0.10	7.20
PED. SIGNAL		90	25	1.00	
CONTROLLER		100	100	1.00	
ILLUM. SIGN		84		0.05	
FLASHER				0.50	
ENERGY COSTS TO: TOTAL =					197.45

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY CONTACT: LARRY D. SHANK
PHONE: (847) 291-3214
COMPANY: COMMONWEALTH EDISON

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	HALL 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 "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CABLE PLAN, PHASE DESIGNATION DIAGRAM,
SCHEDULE OF QUANTITIES

ILL. RTE. 64 (NORTH AVENUE)
AND
AUSTIN BLVD.

SCALE: VERT. NTS
HORIZ.
DATE 6/19/06

DRAWN BY: BCK
DESIGNED BY: BCK
CHECKED BY: BCK