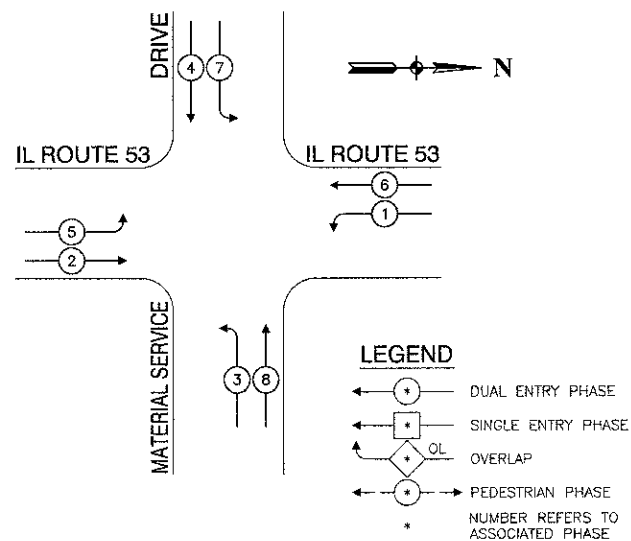
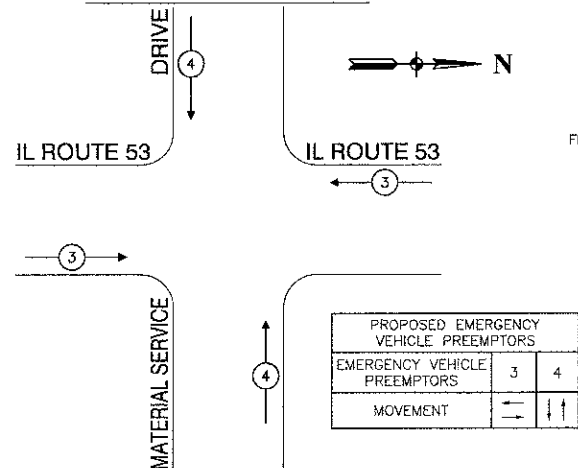


CONTROLLER SEQUENCE

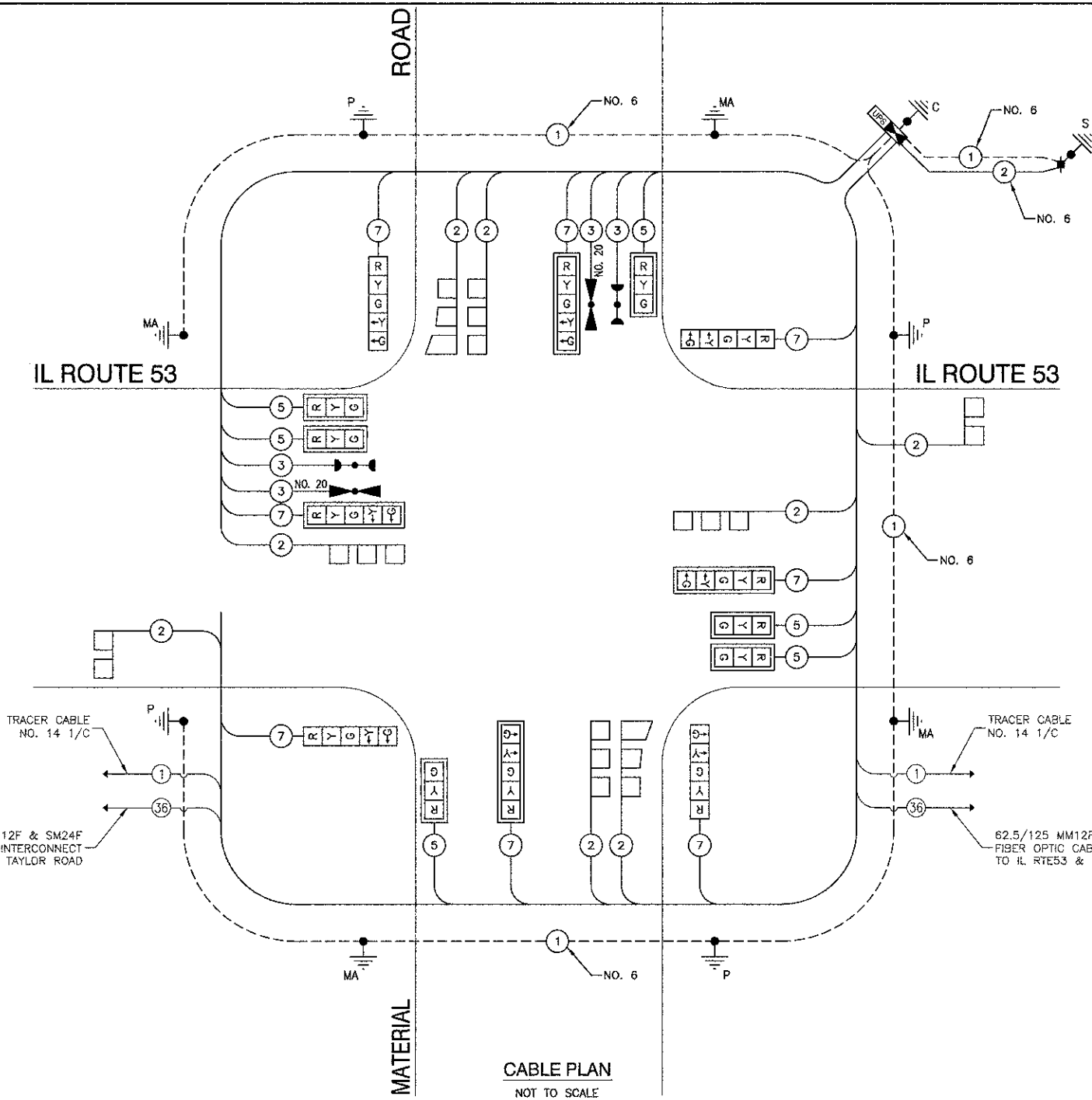


EMERGENCY VEHICLE PREEMPTION SEQUENCE



IL ROUTE 53

IL ROUTE 53



CABLE PLAN

NOT TO SCALE

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUAN	ITEM	UNIT	QUAN
ROCK EXCAVATION FOR STRUCTURES	CU YD	6	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	2
SIGN PANEL - TYPE 1	SQ FT	30	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	2
SERVICE INSTALLATION - POLE MOUNTED	EACH	1	CONCRETE FOUNDATION, TYPE A	FOOT	16
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	783	CONCRETE FOUNDATION, TYPE C	FOOT	4
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	70	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	48
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	46	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	409	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
HANDHOLE	EACH	3	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4
HEAVY-DUTY HANDHOLE	EACH	6	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	10
DOUBLE HANDHOLE	EACH	2	INDUCTIVE LOOP DETECTOR	EACH	8
TRANSMITTER - FIBER OPTIC	EACH	1	DETECTOR LOOP, TYPE I	FOOT	862
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	280	LIGHT DETECTOR	EACH	2
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1161	LIGHT DETECTOR AMPLIFIER	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1468	REMOVE EXISTING HANDHOLE	EACH	3
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1855	REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	65	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	270
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1000	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1

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

TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE "EAGLE" TO MATCH EXISTING ADJACENT SYSTEM.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	INCAND.	LED	% OPERATION	
SIGNAL (RED)	14		17	0.50	119.00
(YELLOW)	14		25	0.25	87.50
(GREEN)	14		15	0.25	52.50
ARROW	16		12	0.10	19.20
PED. SIGNAL			25	1.00	
CONTROLLER	1		100	1.00	100
ILLUM. SIGN			25	0.05	
FLASHER				0.50	
ENERGY COSTS TO:				TOTAL =	378.20

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAY / DISTRICT 1
 201 WEST CENTER COURT / SCHAUMBURG, ILLINOIS 60196-1096
 ENERGY SUPPLY CONTACT: MARK ANDERSON
 PHONE: (815) 724-5888
 COMPANY: COMMONWEALTH EDISON

FILE NAME = 08361_02-CBLE-PLAN01.P01	USER NAME =	DESIGNED - WPD	REVISED -
		CHECKED - PB	REVISED -
		DRAWN - PS	REVISED -
		CHECKED - AG	REVISED -
	PLOT SCALE =		
	PLOT DATE = 02-28-13		

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL RTE 53 AT MATERIAL ROAD
 INTERSECTION IMPROVEMENT
 TRAFFIC SIGNAL CABLE PLAN

SCALE: NONE SHEET NO. 25 OF 54 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	09-00055-00-CH	WILL	54	25
CONTRACT NO. 63753				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(B29)				