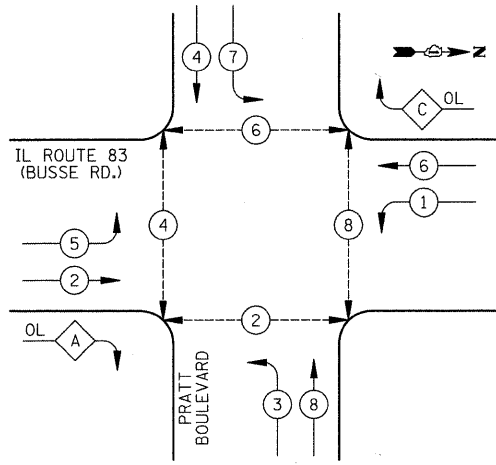


DATE: _____
 BY: _____
 PLAN NO.: _____
 REVISIONS:
 NO. DESCRIPTION
 1. _____
 2. _____
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DATE: _____
 BY: _____
 PROFILE NO.: _____
 REVISIONS:
 NO. DESCRIPTION
 1. _____
 2. _____
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 9. _____
 10. _____

PROPOSED CONTROLLER SEQUENCE



LEGEND

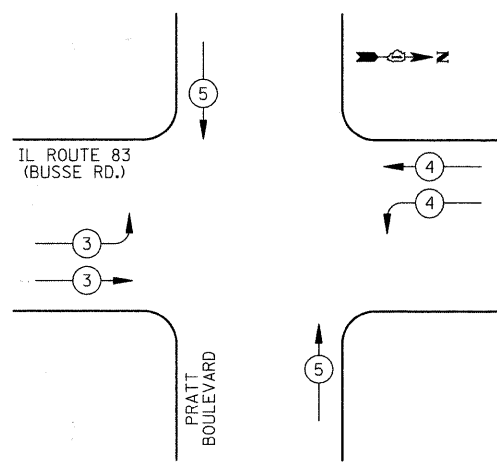
- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OVERLAP
- PEDESTRIAN PHASE
- NUMBER REFERS TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM

RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 3
C	= 6	+ 7

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



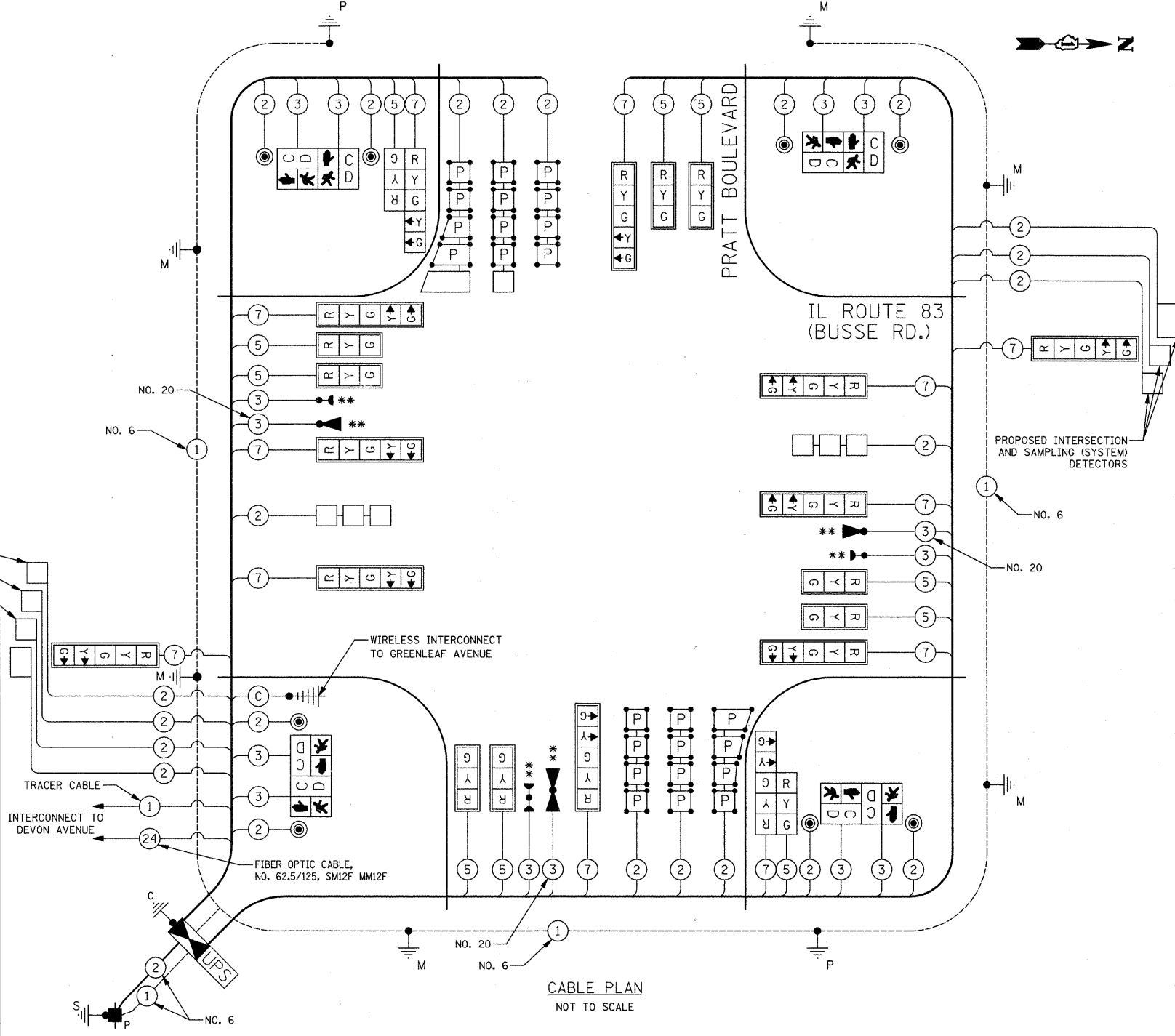
PROPOSED EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT			

SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QNTY.
SIGN PANEL - TYPE 1	SQ. FT.	29
SIGN PANEL - TYPE 2	SQ. FT.	25
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	349
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	262
CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	120
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	60
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	274
CONDUIT PUSHED, 2 1/2" DIA., GALVANIZED STEEL	FOOT	30
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	512
HANDHOLE	EACH	3
HEAVY-DUTY HANDHOLE	EACH	5
DOUBLE HANDHOLE	EACH	2
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	776
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
TRANSCIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1554
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2275
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2385
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2842
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	4253
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	112
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 60 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	8
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	30
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	45
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	21
SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	8
SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	10
SIGNAL HEAD, L.E.D., 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, L.E.D., 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	18
INDUCTIVE LOOP DETECTOR	EACH	15
DETECTOR LOOP, TYPE I	FOOT	652
* LIGHT DETECTOR	EACH	3
* LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	8
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	10
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
PERFORMED DETECTOR LOOP	FOOT	891
TEMPORARY TRAFFIC SIGNAL TIMINGS	EACH	1
SERVICE INSTALLATION, POLE MOUNTED	EACH	1
UNINTERRUPTIBLE POWER SUPPLY	EACH	1
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	983
* ELECTRIC CABLE IN CONDUIT, NO. 20 3C, TWISTED, SHIELDED	FOOT	665
* 100% COST TO VILLAGE OF ELK GROVE VILLAGE		

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	% OPERATION	
SIGNAL (RED)	22		17	0.50	187
(YELLOW)	22		25	0.25	138
(GREEN)	22		15	0.25	83
ARROW	24		12	0.10	29
PED. SIGNAL	8		25	1.00	200
CONTROLLER	1		100	1.00	100
VIDEO SYSTEM	1		150	1.00	150
FLASHER				0.50	
TOTAL =					742

ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 WEST CENTER COURT
 SCHAUMBURG, IL 60196-1096
 CONTACT: ELEANOR SARALLO
 PHONE: (630) 424-5124
 COMPANY: COM ED



CABLE PLAN
NOT TO SCALE

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

** COSTS FOR EMERGENCY VEHICLE PREEMPTION EQUIPMENT INSTALLATION AND MAINTENANCE ARE THE RESPONSIBILITY OF THE VILLAGE OF ELK GROVE VILLAGE.

NOTE: THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.