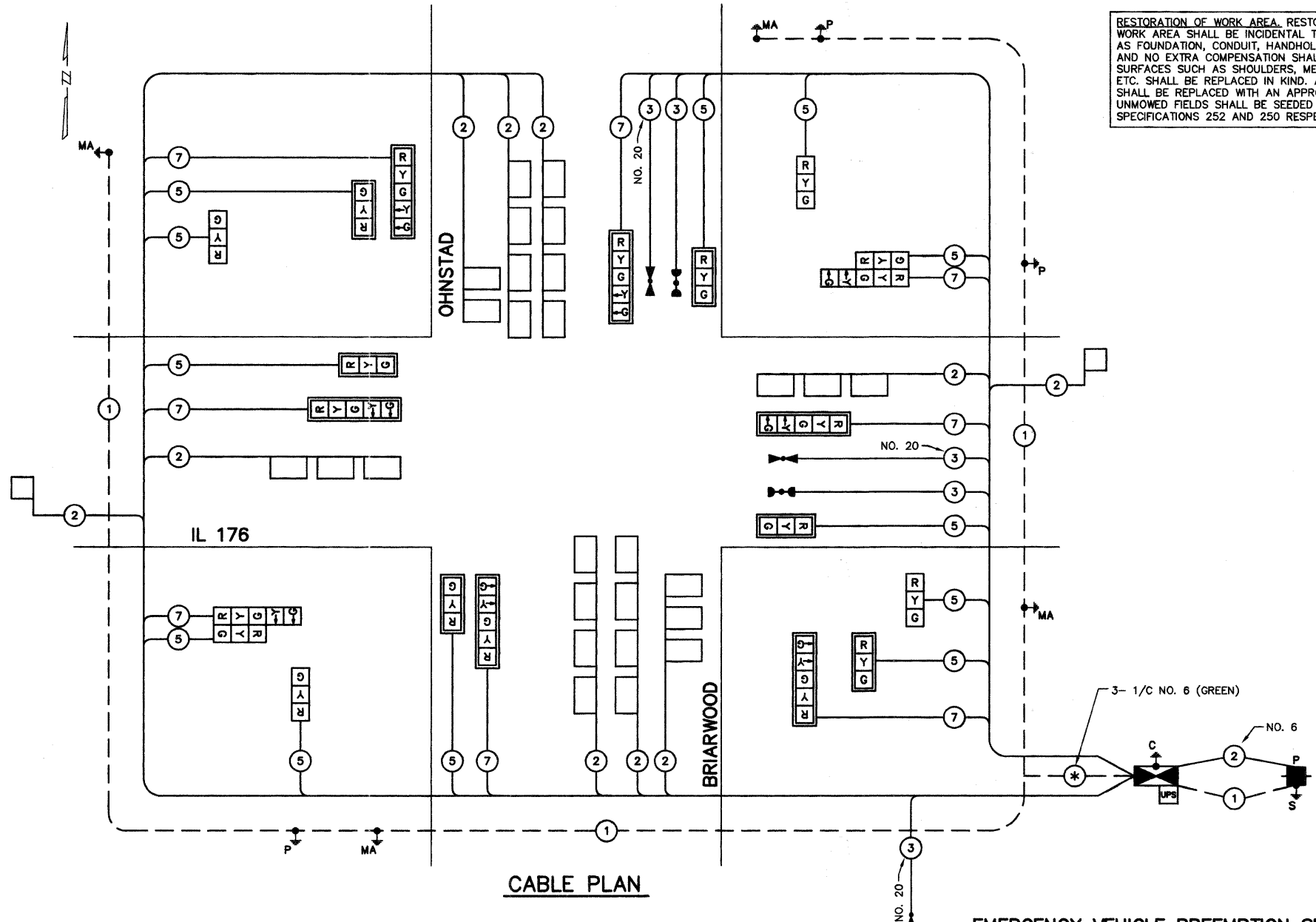


SCHEDULE OF QUANTITIES

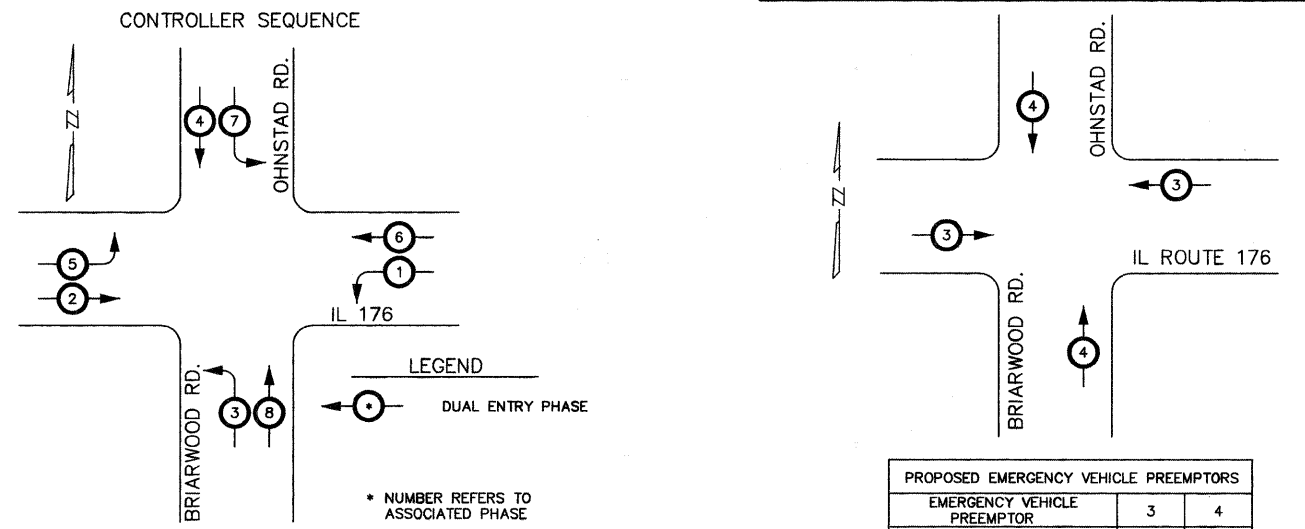
ITEM DESCRIPTION	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	33
SIGN PANEL - TYPE 2	SQ FT	20
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	651
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	252
CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	113
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	60
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	210
CONDUIT PUSHED, 2 1/2" DIA., GALVANIZED STEEL	FOOT	55
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	335
HEAVY-DUTY HANDHOLE	EACH	14
DOUBLE HANDHOLE	EACH	1
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	855
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
UNINTERRUPTIBLE POWER SUPPLY	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	431
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2830
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2073
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2386
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	61
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1005
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	2
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 38 FT. AND 46 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	20
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	50
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	6
SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	12
INDUCTIVE LOOP DETECTOR	EACH	10
DETECTOR LOOP, TYPE I	FOOT	1300
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
REMOVE EXISTING HANDHOLE	EACH	2
CHANGEABLE MESSAGE SIGN, SPECIAL	CAL DAY	60
ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	648
MAINTENANCE OF EXISTING FLASHING BEACON INSTALLATION, SPECIAL	LSUM	1
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 34 FT. AND 32 FT.	EACH	1

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOG, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.



CABLE PLAN

EMERGENCY VEHICLE PREEMPTION SEQUENCE



PHASE DESIGNATION DIAGRAM

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	x WATTAGE	% OPERATION		
		INCAND.	LED		
SIGNAL (RED)	20	436	17	0.50	170
(YELLOW)	20	436	25	0.25	125
(GREEN)	20	436	15	0.25	75
ARROW	16	436	12	0.10	19.2
CONTROLLER	1	100	100	1.00	100.0
FLASHER				0.50	
LOOPS	10	5		1.00	50

ENERGY COSTS TO: TOTAL = 539.2
 50% IDOT
 50% Crystal Lake

ENERGY SUPPLY CONTACT: Mr. Mike Lennox
 PHONE: 815-490-2869
 COMPANY: ComEd

FOUNDATION (DEPTH)	FT.	CABLE SLACK	FT.	VERTICAL CABLE	FT.
TYPE A - POST	4	HANDHOLE	6.5	ALL FOUNDATIONS	3
D - D-CONTROLLER	4	DOUBLE HANDHOLE	13	MAST ARM (L) POLE	20'+L-2
E - M. ARM POLE		SIGNAL POST	2	BRACKET MOUNTED	13
< 30' MA 30" DIA	10	CONTROLLER CAB.	1	PED. PUSHBUTTON	6
< 40' MA 30" DIA	13.5	FIBER OPTIC	13	ELECTRIC SERVICE	13.5
< 40' MA 36" DIA	11	ELECTRIC SERVICE	1	SERVICE TO GROUND	13.5
< 50' MA 36" DIA	13	GROUND CABLE	1	POST MOUNTED	6
> 50' MA 36" DIA	15				