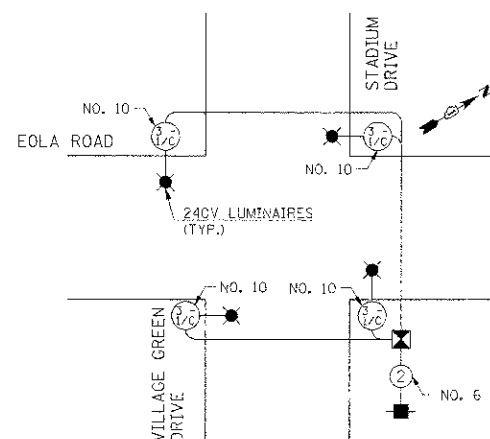


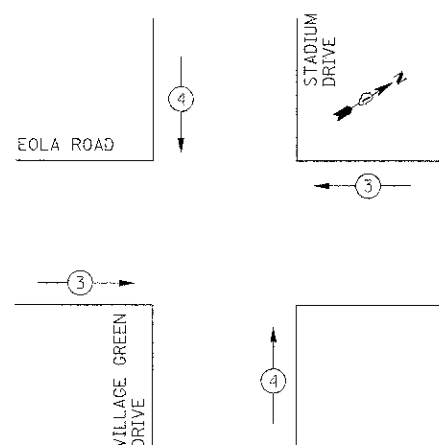
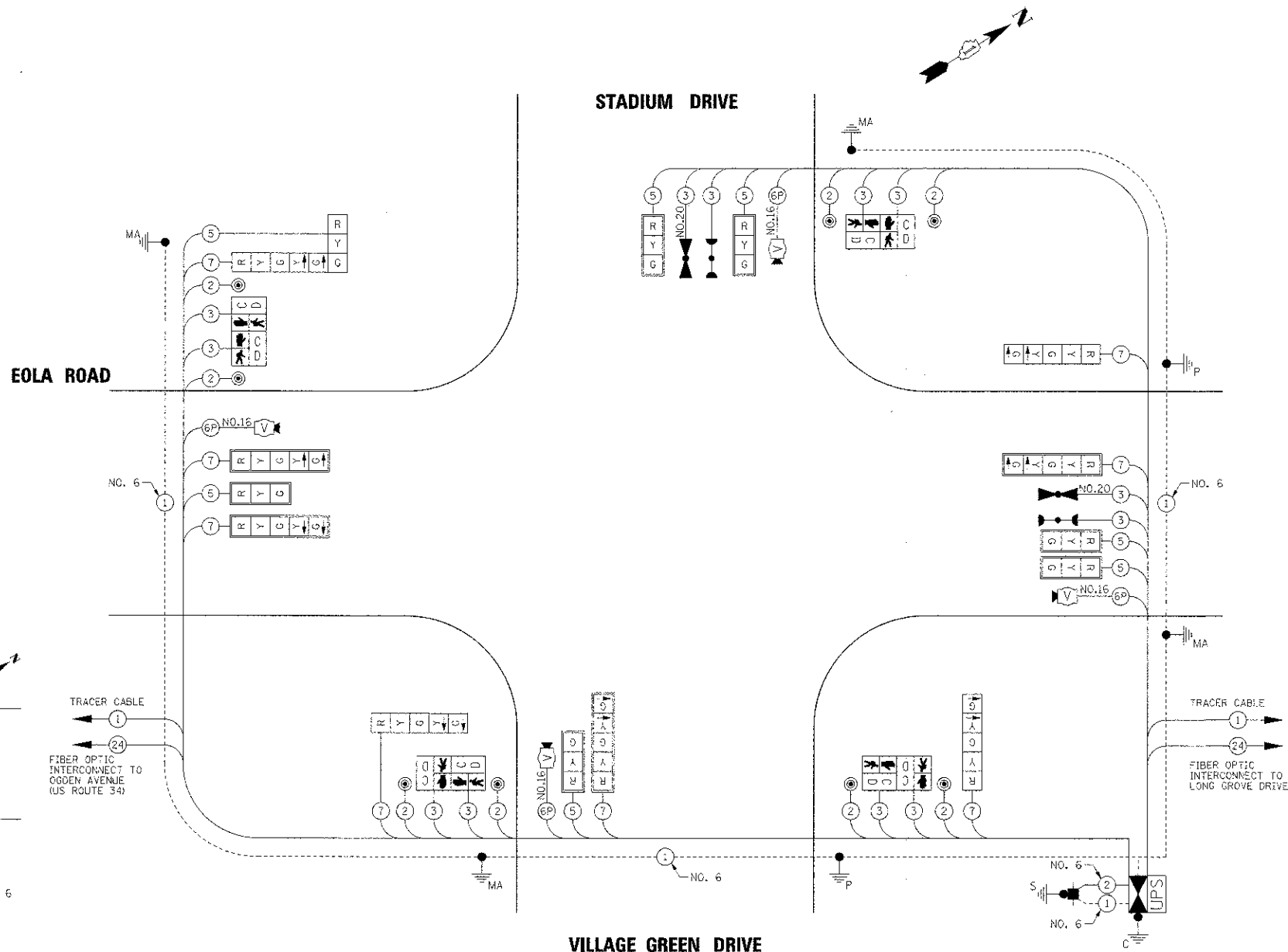
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LIGHTING CABLE PLAN

I.D.O.T TRAFFIC SIGNAL INSTALLATION					TOTAL WATTAGE
ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE		% OPERATION	
		INCAND.	LED		
SIGNAL (RED)	15		17	0.50	127.5
(YELLOW)	15		25	0.25	93.8
(GREEN)	15		15	0.25	56.3
ARROW	16		12	0.10	19.2
PED. SIGNAL	8		25	1.00	200
CONTROLLER	1		100	1.00	100
VIDEO SYSTEM	1		15	1.00	15
LUMINAIRE	4	250		0.50	500
TOTAL =					1111.8

ENERGY COSTS TO:	CITY OF AURORA
	44 E. DOWNER PLACE
	AURORA, ILLINOIS 60507-2067

ENERGY SUPPLY CONTACT:	MARK SCHERISEL
PHONE:	(630) 723-2128
COMPANY:	COMMONWEALTH EDISON

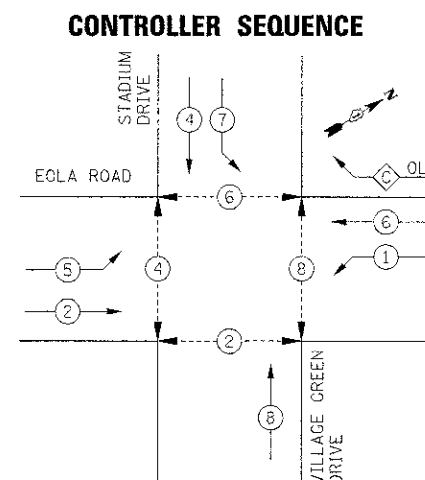


EMERGENCY VEHICLE PREEMPTION SEQUENCE

PROPOSED EMERGENCY VEHICLE PREEMPTORS		
PROPOSED EMERGENCY VEHICLE PREEMPTORS	3	4
MOVEMENT	→	↑

CONTROLLER SEQUENCE LEGEND

	DUAL ENTRY PHASE
	SINGLE ENTRY PHASE
	OVERLAP
* NUMBER REFERRING TO ASSOCIATED PHASE	
	PEDESTRIAN PHASE



PHASE DESIGNATION DIAGRAM

SCHEDULE OF QUANTITIES

PAY ITEM DESCRIPTION	UNIT	VILLAGE GREEN DRIVE / STADIUM DRIVE
PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	244
DETECTABLE WARNINGS	SQ FT	33
COMBINATION CURB AND GUTTER REMOVAL	FOOT	49
SIDEWALK REMOVAL	SQ FT	53
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	98
SIGN PANEL - TYPE 1	SQ FT	28.5
SIGN PANEL - TYPE 2	SQ FT	22.5
ELECTRIC SERVICE INSTALLATION	EACH	1
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	105
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	21
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	82
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	316
HANDHOLE	EACH	4
DOUBLE HANDHOLE	EACH	1
ELECTRIC CABLE IN CONDUIT, 800V (XLP-TYPE USE) 3-1/C NO. 10	FOOT	868
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	4
LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240VOLT, 60AMP	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
PAINT NEW TRAFFIC SIGNAL POST	EACH	3
PAINT NEW COMBINATION MAST ARM AND POLE, UNDER 40 FOOT	EACH	2
PAINT NEW COMBINATION MAST ARM AND POLE, 40 FOOT AND OVER	EACH	2
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1379
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1751.6
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1367.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1620.5
ELECTRIC CABLE IN CONDUIT, COMMUNICATION NO. 16 6 PAIR	FOOT	868
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	138
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	622
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 28 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	12
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 38-INCH DIAMETER	FOOT	47
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4
SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	10
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	8
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	4865
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
ETHERNET SWITCH	EACH	1
VIDEO DETECTION SYSTEM	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	316.5

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

THE EMERGENCY VEHICLE PREEMPTION EQUIPMENT FOR THIS PROJECT SHALL BE OPTICOM AS REQUIRED BY THE CITY OF AURORA. LIGHT DETECTOR AMPLIFIERS SHALL BE OPTICOM MODEL 764 MULTIMODE PHASE SELECTORS.

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