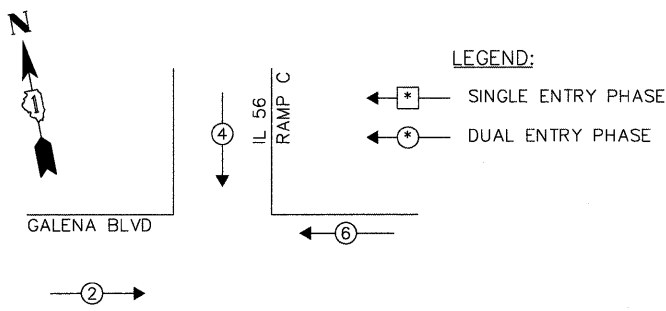
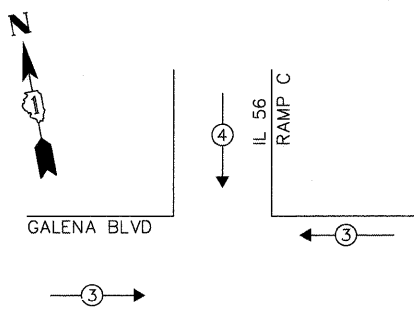


CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM

EMERGENCY VEHICLE PREEMPTION SEQUENCE



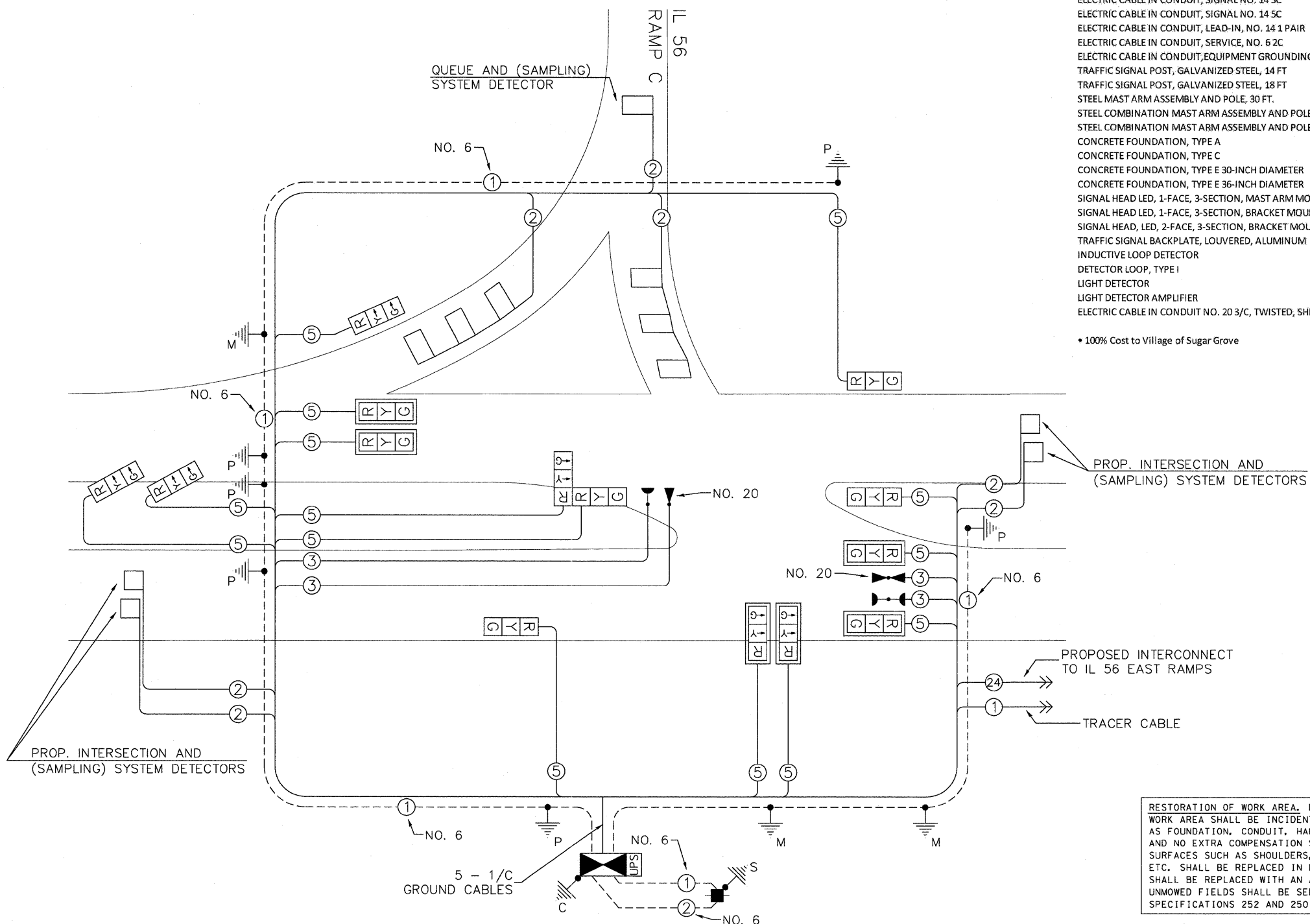
PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	→	↓

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF 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	-		12	0.10	-
PED. SIGNAL	-		25	1.00	-
CONTROLLER	1		100	1.00	100.00
ILLUM. SIGN	-		25	0.05	-
VIDEO SYSTEM	-		-	1.00	-
FLASHER				0.50	
ENERGY COSTS TO:					TOTAL = 359.00

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS / DISTRICT 1
 201 WEST CENTER COURT / SCHAUMBURG, ILLINOIS 60196-1096
 ENERGY SUPPLY: CONTACT: TOM PERKINS
 PHONE: (847) 894-7968
 COMPANY: COMMONWEALTH EDISON

FILE NAME =
 #FILEABBREV#
 USER NAME = plascencia
 DESIGNED - IP
 DRAWN - IP
 CHECKED - DAG
 DATE - 8/25/2011
 REVISED -
 REVISED -
 REVISED -
 REVISED -

CABLE PLAN



SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
CHANGEABLE MESSAGE SIGN	CAL MO	1
SERVICE INSTALLATION, POLE MOUNTED	EACH	1
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	700
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	45
CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	35
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	120
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	200
CONDUIT PUSHED, 2 1/2" DIA., GALVANIZED STEEL	FOOT	135
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	245
HANDHOLE	EACH	4
HEAVY-DUTY HANDHOLE	EACH	5
DOUBLE HANDHOLE	EACH	1
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	875
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
UNINTERRUPTIBLE POWER SUPPLY	EACH	1
TRANSCIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	300
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2320
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2170
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	125
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	890
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 14 FT	EACH	5
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 18 FT	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	24
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	20
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	13
SIGNAL HEAD LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6
SIGNAL HEAD LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6
SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	6
INDUCTIVE LOOP DETECTOR	EACH	7
DETECTOR LOOP, TYPE I	FOOT	385
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	300

* 100% Cost to Village of Sugar Grove

PROP. INTERSECTION AND (SAMPLING) SYSTEM DETECTORS

PROPOSED INTERCONNECT TO IL 56 EAST RAMPS

TRACER CABLE

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

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 SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
 GALENA BLVD AND IL 56 WEST RAMPS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
573	61HB-1-R	KANE	110	38
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60K76	

SCALE: 1" = SHEET NO. OF SHEETS STA. TO STA.