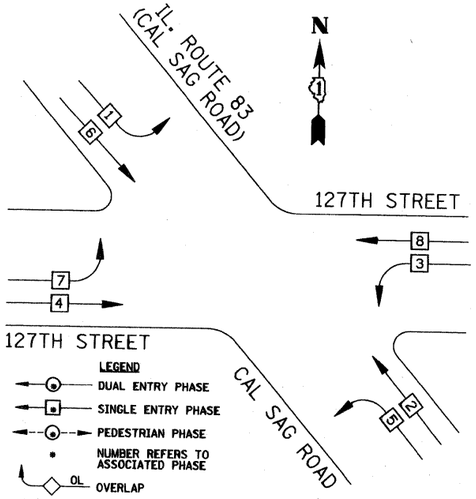
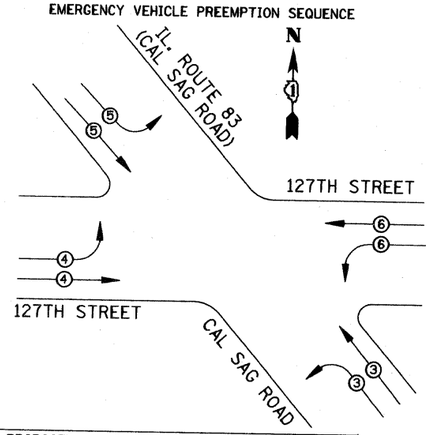
CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM

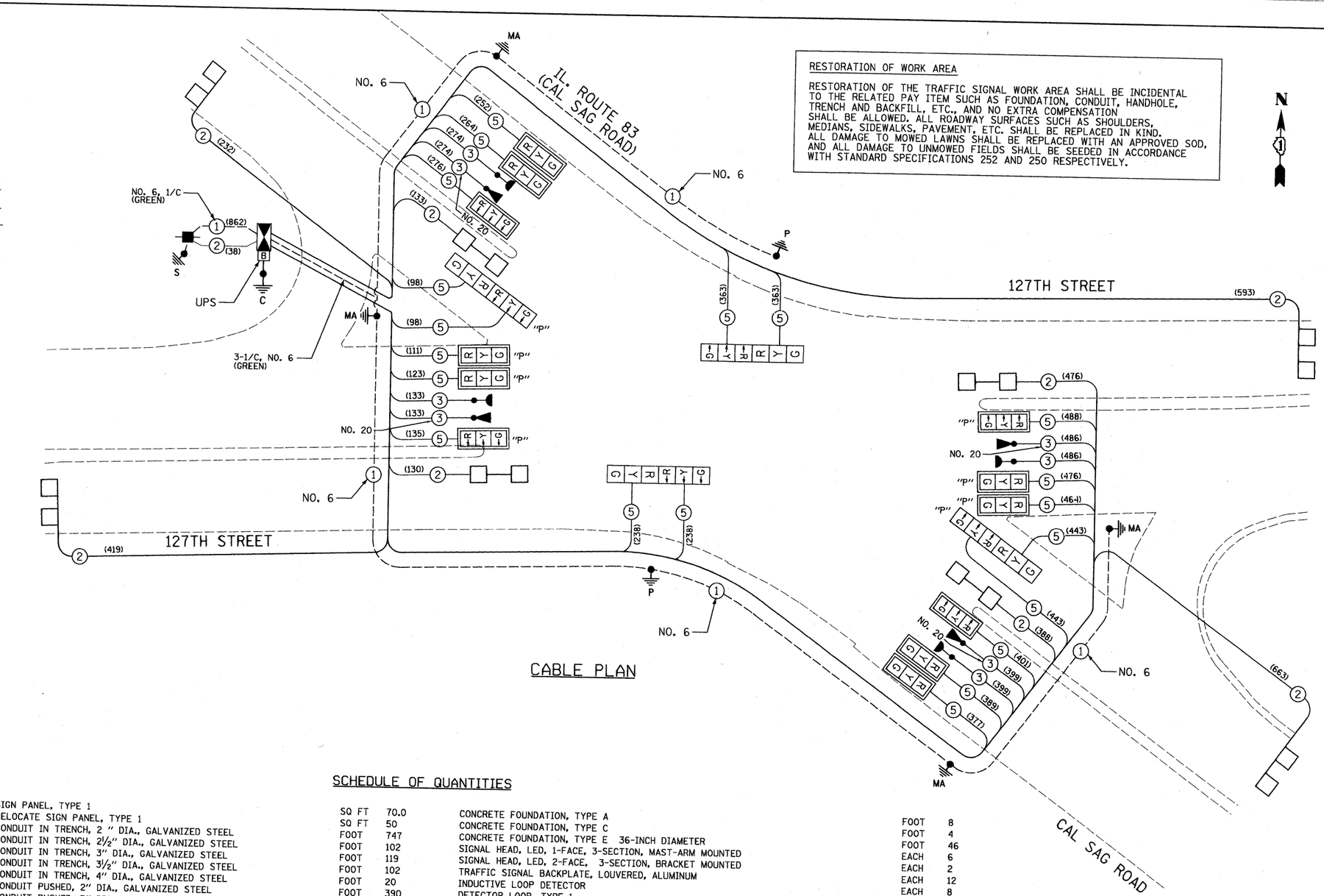
EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTOR				
EMERGENCY VEHICLE PREEMPTOR	3	4	5	6
MOVEMENT				

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	%OPERATION	
SIGNAL (RED)	12	135	17	0.50	102
(YELLOW)	12	135	25	0.25	75
(GREEN)	12	135	15	0.25	45
ARROW	24	135	12	0.10	28.8
PED. SIGNAL	-	90	25	1.00	-
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		84		0.05	
FLASHER				0.50	
ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION 201 W. CENTER COURT SCHAUMBURG, IL 60196				TOTAL =	350.8

ENERGY SUPPLY CONTACT: _____
PHONE: _____
COMPANY: COMED



CABLE PLAN

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.

SCHEDULE OF QUANTITIES

SQ FT	70.0	CONCRETE FOUNDATION, TYPE A
SQ FT	50	CONCRETE FOUNDATION, TYPE C
FOOT	747	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER
FOOT	102	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED
FOOT	119	SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED
FOOT	102	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
FOOT	20	INDUCTIVE LOOP DETECTOR
FOOT	390	DETECTOR LOOP, TYPE 1
FOOT	10	*LIGHT DETECTOR
FOOT	361	*LIGHT DETECTOR AMPLIFIER
FOOT	32	TEMPORARY TRAFFIC SIGNAL INSTALLATION
FOOT	37	REMOVE ELECTRIC CABLE FROM CONDUIT
FOOT	1075	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
EACH	1	REMOVE EXISTING HANDHOLE
FOOT	1292	REMOVE EXISTING CONCRETE FOUNDATION
FOOT	6040	TEMPORARY TRAFFIC SIGNAL TIMING
FOOT	38	SERVICE INSTALLATION, POLE MOUNT
FOOT	3034	UNINTERRUPTIBLE POWER SUPPLY
EACH	9	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C
EACH	4	*ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED & SHIELDED
EACH	2	OPTICALLY PROGRAMMED SIGNAL HEAD, LED,1-FACE, 3-SECTION, MAST ARM MOUNTED
EACH	2	COMBINATION SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION OPTICALLY PROGRAMMED, 1-3 SECTION, BRACKET MOUNTED
EACH	1	
EACH	1	
EACH	1	*100% COST TO THE VILLAGE OF ALSIP
EACH	1	

FOOT	8	SIGN PANEL, TYPE 1
FOOT	4	RELOCATE SIGN PANEL, TYPE 1
FOOT	46	CONDUIT IN TRENCH, 2 " DIA., GALVANIZED STEEL
EACH	6	CONDUIT IN TRENCH, 2½" DIA., GALVANIZED STEEL
EACH	2	CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL
EACH	12	CONDUIT IN TRENCH, 3½" DIA., GALVANIZED STEEL
EACH	8	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL
FOOT	488	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL
EACH	4	CONDUIT PUSHED, 3" DIA., GALVANIZED STEEL
EACH	1	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL
EACH	1	CONDUIT ATTACHED TO STRUCTURE, 3" DIA., GALVANIZED STEEL
FOOT	8103	CONDUIT ATTACHED TO STRUCTURE, 3½" DIA., GALVANIZED STEEL
EACH	1	TRENCH AND BACKFILL FOR ELECTRICAL WORK
EACH	16	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET
EACH	7	*ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
EACH	1	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
EACH	1	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C
EACH	1	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
FOOT	862	HANDHOLE
FOOT	1292	HEAVY DUTY HANDHOLE
EACH	6	DOUBLE HANDHOLE
EACH	2	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
		STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.
		STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.
		STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.
		STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.

PREPARED BY:
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Consulting Engineers, Land Surveyors & Planners
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Aurora, Illinois 60504-9675
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FILE NAME = \MICROST\352085\	USER NAME = RDS	DESIGNED - KK	REVISED -
		DRAWN - RDS	REVISED -
	PLOT SCALE = 1"=20'	CHECKED - BPT	REVISED -
	PLOT DATE = 11-19-09	DATE - 11-19-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION
IL. ROUTE 83 AT 127TH STREET

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	542-1-N	COOK	30	13
		CONTRACT NO. 60171		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		