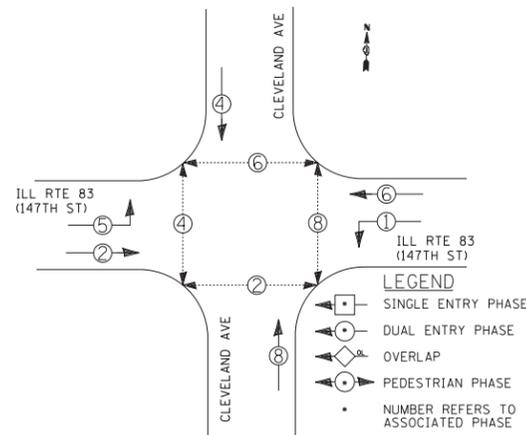
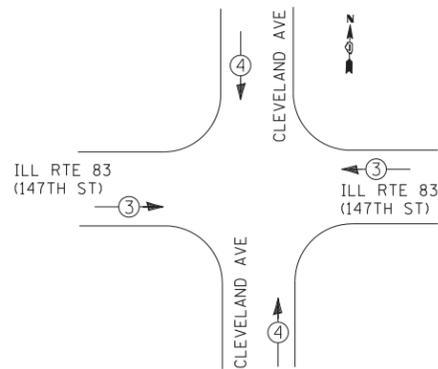


CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM

EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS

EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←	↑

SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	I.D.O.T.	POSEN
REMOVE SIGN PANEL - TYPE 2	SOFT	45	
RELOCATE SIGN PANEL - TYPE 2	SOFT	45	
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	344	
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	30	
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	220	
HANDHOLE HEAVY-DUTY HANDHOLE	EACH	3	
DOUBLE HANDHOLE	EACH	2	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1032	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1088	260.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1617.5	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	638	
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2722	
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	132	
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	578.5	
STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1	
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1	
STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1	
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	27	
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	26	
DRILL EXISTING HANDHOLE	EACH	7	
INDUCTIVE LOOP DETECTOR	EACH	8	
PEDESTRIAN PUSH-BUTTON	EACH	8	
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1	
RELOCATE EXISTING SIGNAL HEAD	EACH	14	
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	8	
RELOCATE EXISTING MAST ARM ASSEMBLY AND POLE	EACH	1	
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	
REMOVE EXISTING HANDHOLE	EACH	6	
REMOVE EXISTING CONCRETE FOUNDATION	EACH	4	
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1	
EMERGENCY VEHICLE PRIORITY SYSTEM	FOOT	--	260.5
LINE SENSOR CABLE, NO. 20 3/C	FOOT	--	
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, COMPLETE	EACH	--	2

SCHEDULE OF QUANTITIES FOR ALTERNATE PAVEMENT

PAY ITEM	UNIT	ALT "A"	ALT "B"
DETECTOR LOOP, TYPE I	FOOT	585	585
PERFORMED DETECTOR LOOP	FOOT	585	585

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	14		17	0.50	119.0
(YELLOW)	14		25	0.25	87.5
(GREEN)	14		15	0.25	52.5
ARROW	8		12	0.10	9.6
PED. SIGNAL	8		25	1.00	200.0
CONTROLLER	1		100	1.00	100.0
ILLUM. SIGN	1	200		0.05	10.0
FLASHER				0.05	0.0

ENERGY COSTS TO: TOTAL = 578.6

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY: CONTACT: *KATHRYN SUGRUE *MAKE INITIAL CONTACT
PHONE: (708) 235-2337 WITH COMED NEW BUSINESS
COMPANY: COMED SERVICES AT (866) 639-3532

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

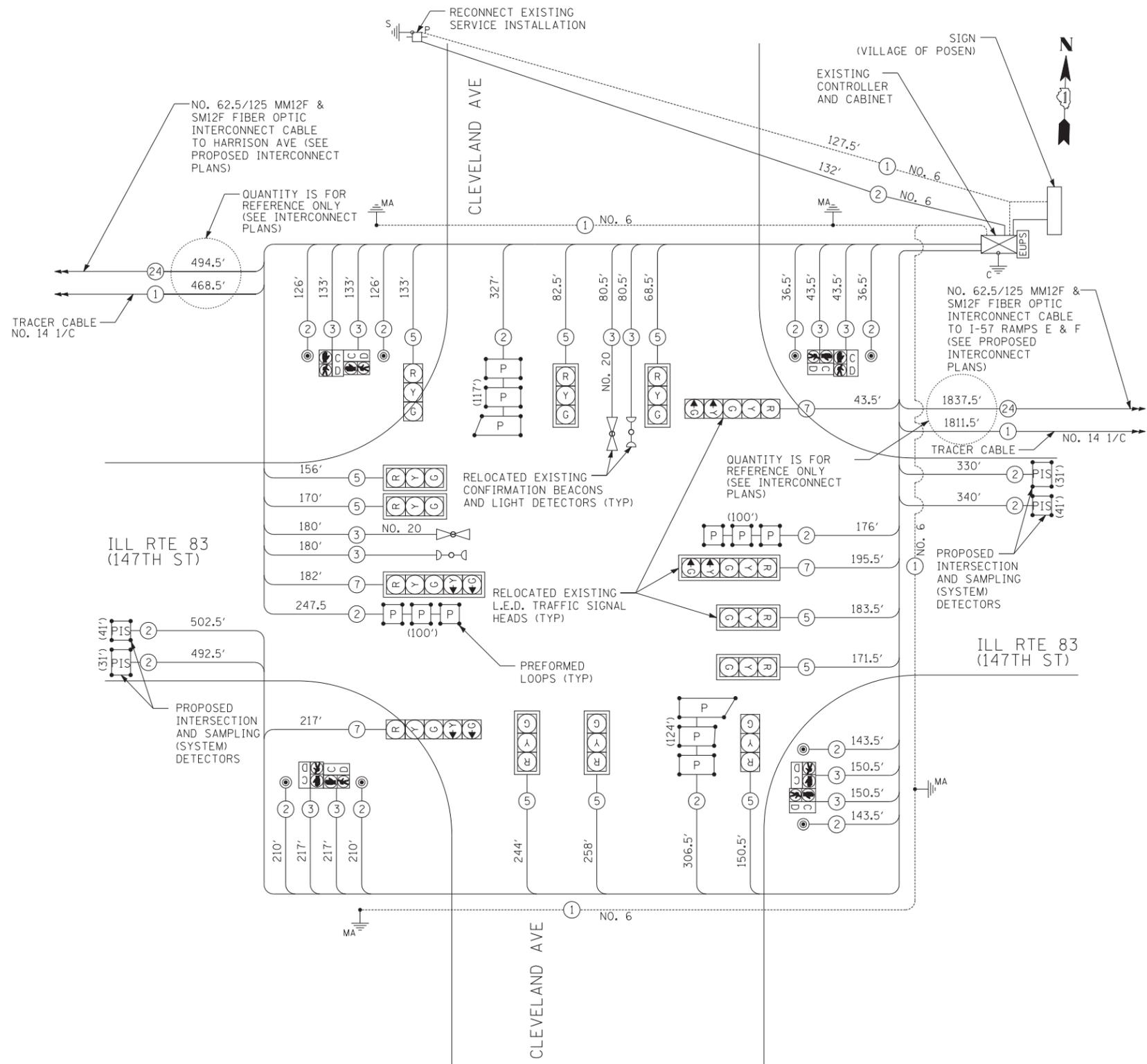
NOTE: THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

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 SEEDING IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

USER NAME =	DESIGNED - MBR	REVISED -
DRAWN - MBR	REVISIONS -	
PLOT SCALE =	CHECKED - DAJ	REVISED -
PLOT DATE =	DATE - 5/23/2012	REVISED -

CABLE PLAN



NOTE: PREFORMED LOOPS ARE SHOWN ON ALL PERMANENT PAVEMENT LOCATIONS. IF AN ALTERNATE PAVEMENT (HMA) IS SELECTED BY THE CONTRACTOR, THEN TYPE I LOOPS SHALL BE USED IN ALL LOCATIONS WHERE HMA PAVEMENT IS SELECTED.