

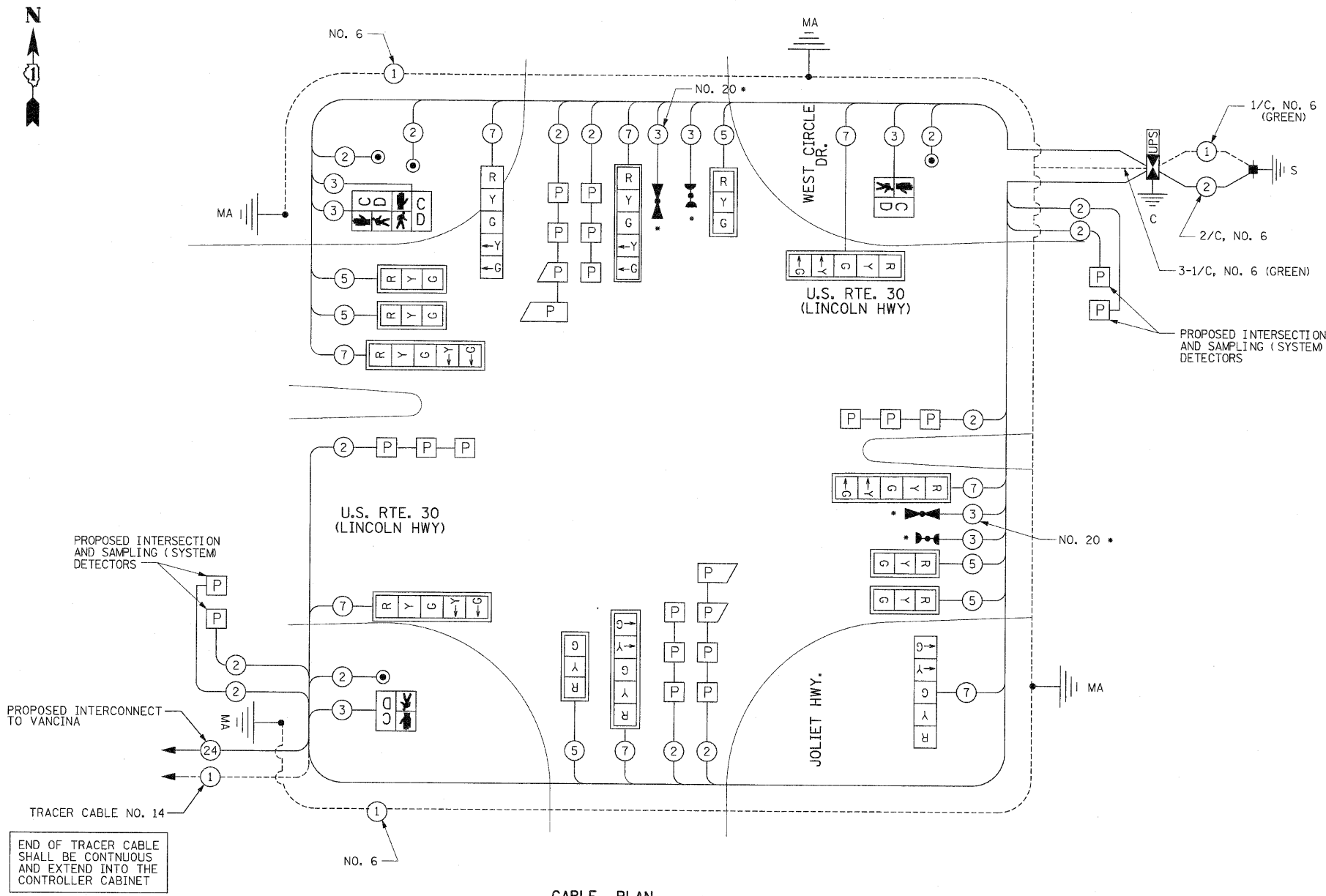
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	(12&13)WRS-3	WILL	1235	572
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62479

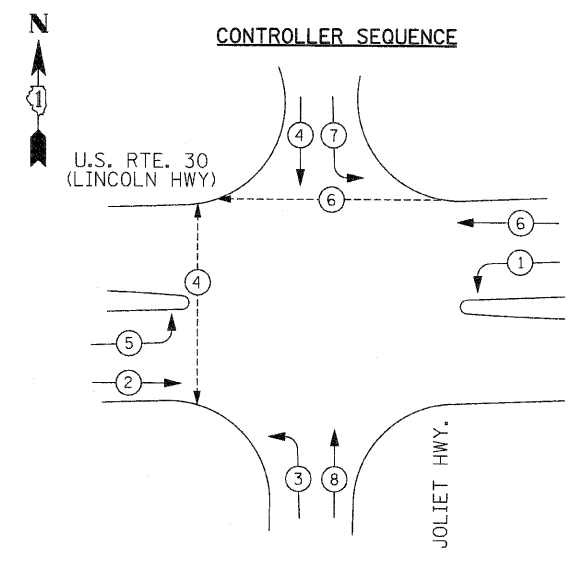
SCHEDULE OF QUANTITIES

ITEM	UNIT	NEW LENOX QUANTITY	FPD* QUANTITY
SIGN PANEL - TYPE 1	SQ FT	33	
SIGN PANEL - TYPE 2	SQ FT	30	
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	576	
CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	35	
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	25	
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	202	
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	399	
HANDHOLE	EACH	4	
HEAVY-DUTY HANDHOLE	EACH	4	
DOUBLE HANDHOLE	EACH	2	
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	599	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	591	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	920	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1536	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1146	
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2540	
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	57	
STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1	
STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1	
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 38 FT. AND 22 FT.	EACH	1	
CONCRETE FOUNDATION, TYPE C	FOOT	4	
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	54	
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6	
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2	
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	6	
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2	
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	1	
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	12	
INDUCTIVE LOOP DETECTOR	EACH	10	
* LIGHT DETECTOR	EACH		2
* LIGHT DETECTOR AMPLIFIER	EACH		1
PEDESTRIAN PUSH-BUTTON	EACH	4	
PREFORMED DETECTOR LOOP	FOOT	824	
FULL-ACTUATED CONTROLLER AND CABINET (SPECIAL)	EACH	1	
SERVICE INSTALLATION - POLE MOUNTED	EACH	1	
UNINTERRUPTABLE POWER SUPPLY	EACH	1	
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	653	
* ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT		301
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 22 FT. AND 60 FT.	EACH	1	

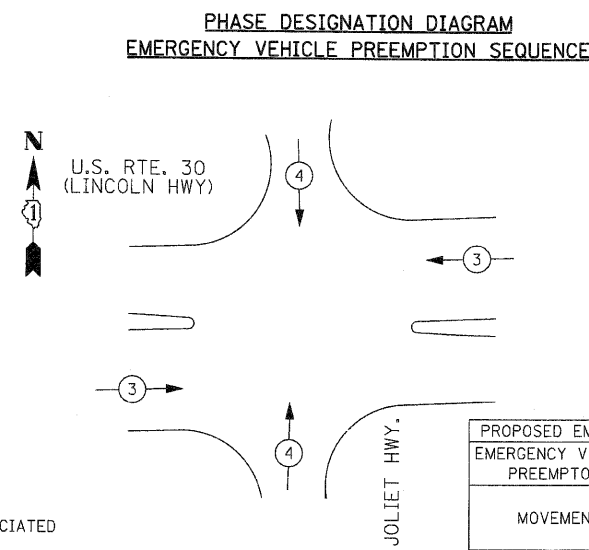
* 100% COST TO THE NEW LENOX FIRE PROTECTION DISTRICT



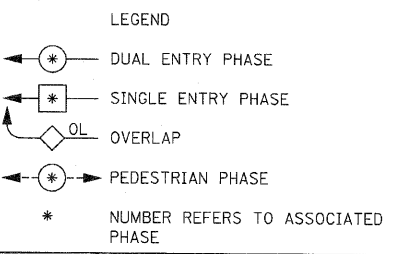
CABLE PLAN



CONTROLLER SEQUENCE



**PHASE DESIGNATION DIAGRAM
EMERGENCY VEHICLE PREEMPTION SEQUENCE**



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 SEED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

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

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	% OPERATION	
SIGNAL (RED)	14		17	0.50	119
(YELLOW)	14		25	0.25	87.5
(GREEN)	14		15	0.25	52.5
ARROW	16		12	0.10	19.2
PED. SIGNAL	4		25	1.00	100
CONTROLLER	1		100	1.00	100
ILLUM. SIGN			25		
FLASHER					
ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096 CONTACT: MARK ANDERSON PHONE: (815) 724-5988 COMPANY: COM. ED.					TOTAL = 478.2

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CABLE PLAN, PHASE DESIGNATION
DIAGRAM, EMERGENCY VEHICLE
PREEMPTION, SCHEDULE OF
QUANTITIES

US RTE. 30 AT JOLIET/WEST CIRCLE

SCALE: 1" = NTS
DATE: 10/12/2010

DRAWN BY: RG
DESIGNED BY: GB
CHECKED BY: ZH

EAGLE # -----