

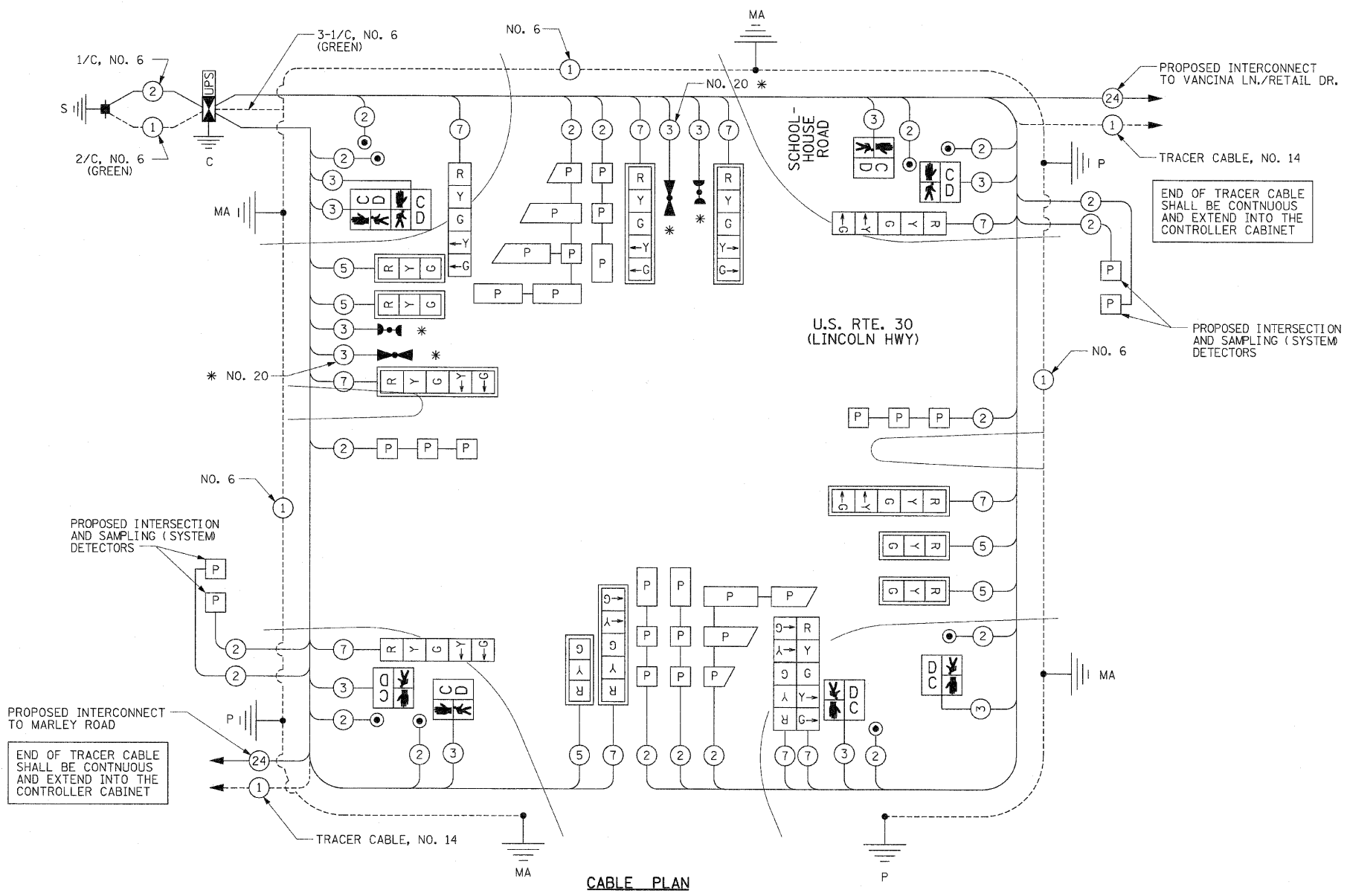
F.A.P. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	(12&13)WRS-3	WILL	1235	568
STA.	TO STA.			
FED. AID DIST. NO.	ELIGIBLE	FED. AID PROJECT		

CONTRACT NO. 62479

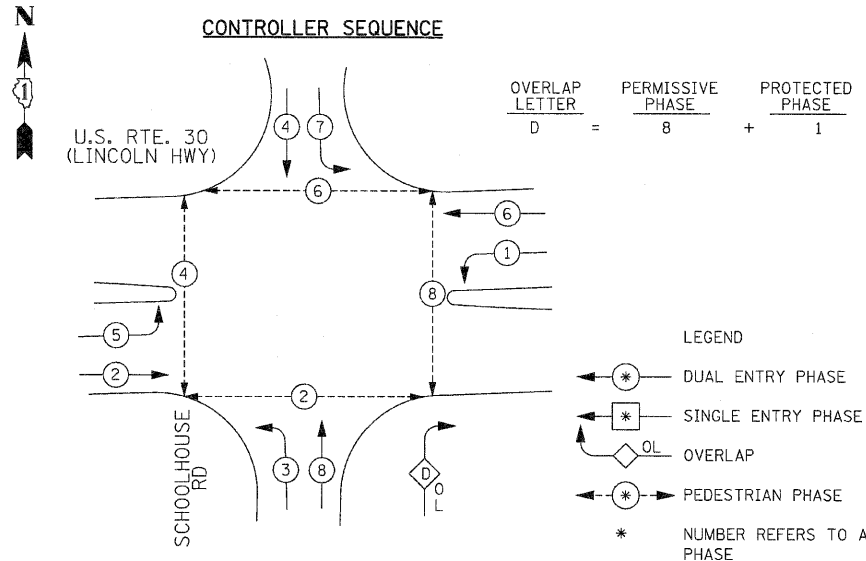
SCHEDULE OF QUANTITIES

ITEM	UNIT	NEW LENOX QUANTITY	EPD QUANTITY *
SIGN PANEL - TYPE 2	SQ FT	60	
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	521	
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	10	
CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	15	
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	75	
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	291	
CONDUIT PUSHED, 2 1/2" DIA., GALVANIZED STEEL	FOOT	33	
CONDUIT PUSHED, 3" DIA., GALVANIZED STEEL	FOOT	71	
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	515	
HANDHOLE	EACH	4	
HEAVY-DUTY HANDHOLE	EACH	4	
DOUBLE HANDHOLE	EACH	2	
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	594	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1621	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2070	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1286	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2493	
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	3356	
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	45	
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3	
STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1	
STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	1	
STEEL MAST ARM ASSEMBLY AND POLE, 58 FT.	EACH	1	
STEEL MAST ARM ASSEMBLY AND POLE, 62 FT.	EACH	1	
CONCRETE FOUNDATION, TYPE A	FOOT	12	
CONCRETE FOUNDATION, TYPE C	FOOT	4	
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	28	
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	42	
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	5	
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3	
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	5	
SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1	
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6	
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	1	
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	10	
INDUCTIVE LOOP DETECTOR	EACH	11	
* LIGHT DETECTOR	EACH		2
* LIGHT DETECTOR AMPLIFIER	EACH		1
PEDESTRIAN PUSH-BUTTON	EACH	8	
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1	
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	
REMOVE EXISTING HANDHOLE	EACH	12	
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9	
PREFORMED DETECTOR LOOP	FOOT	1315	
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1	
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	905	
* ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT		400

* - 100% COST TO THE NEW LENOX FIRE PROTECTION DISTRICT

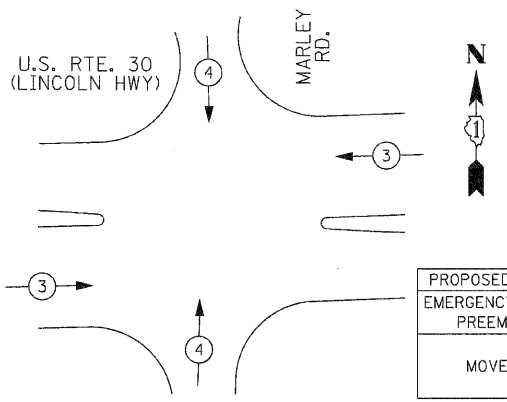


CABLE PLAN



CONTROLLER SEQUENCE

**PHASE DESIGNATION DIAGRAM
EMERGENCY VEHICLE PREEMPTION SEQUENCE**



I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				
TYPE	NO. LAMPS	WATTAGE (INCAND.)	WATTAGE LED	TOTAL WATTAGE
SIGNAL (RED)	15	17	0.50	127.5
(YELLOW)	15	25	0.25	93.75
(GREEN)	15	15	0.25	56.25
ARROW	22	12	0.10	26.4
PED. SIGNAL	8	25	1.00	200
CONTROLLER	1	100	1.00	100
ILLUM. SIGN		25		
FLASHER				
TOTAL =				603.9

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.

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.

REVISIONS	
NAME	DATE

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

US RTE. 30 AT SCHOOLHOUSE ROAD

SCALE: 1" = 100' NTS
DATE: 10/12/2010

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