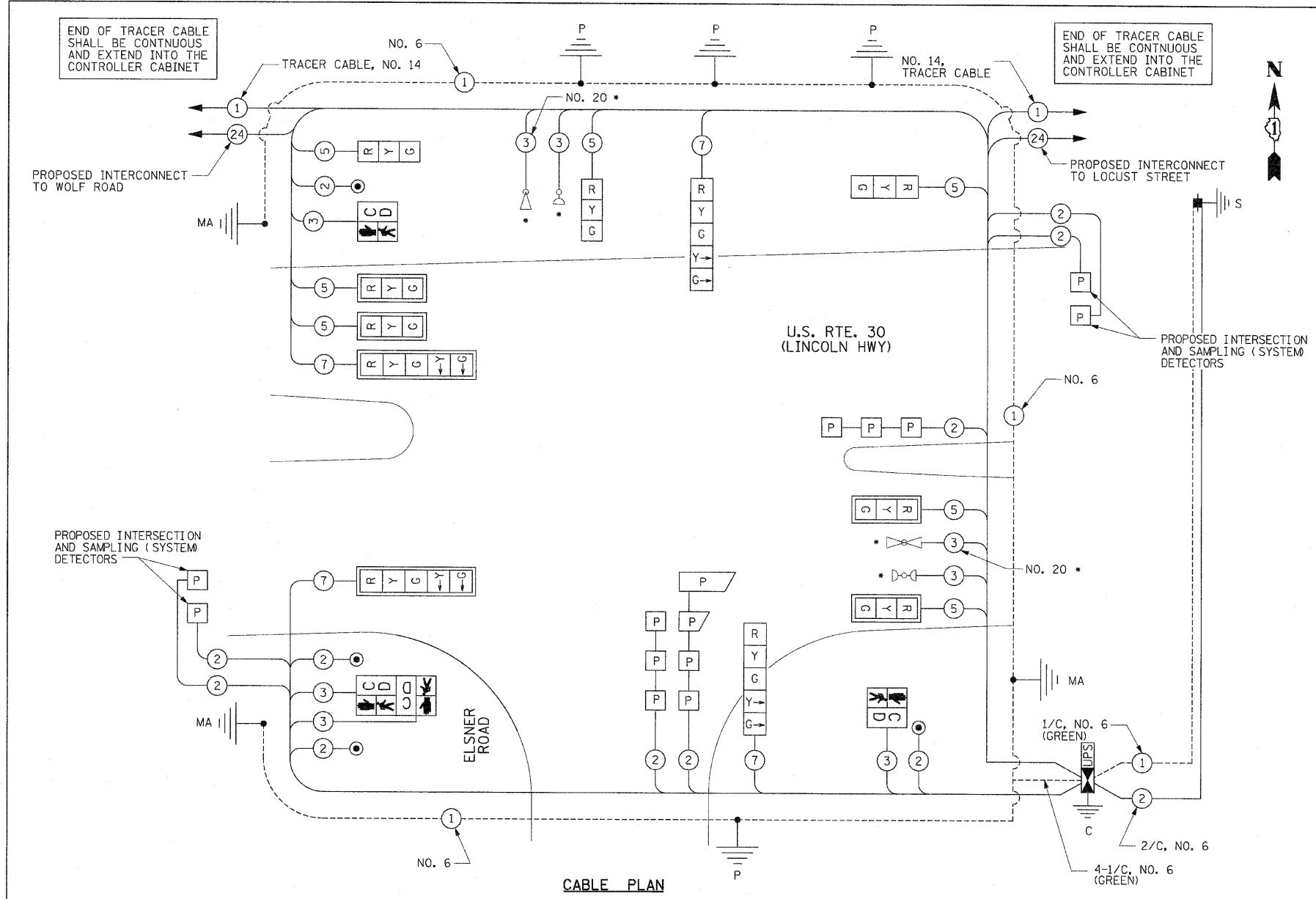


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
353	(12&13)WRS-3	WILL	1235	576
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

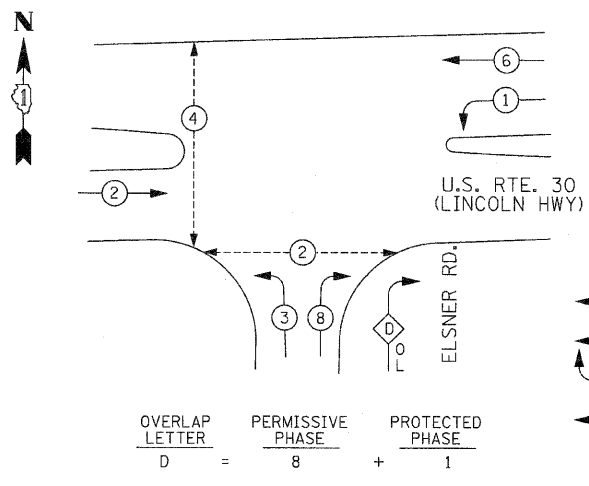
CONTRACT NO. 62479

SCHEDULE OF QUANTITIES

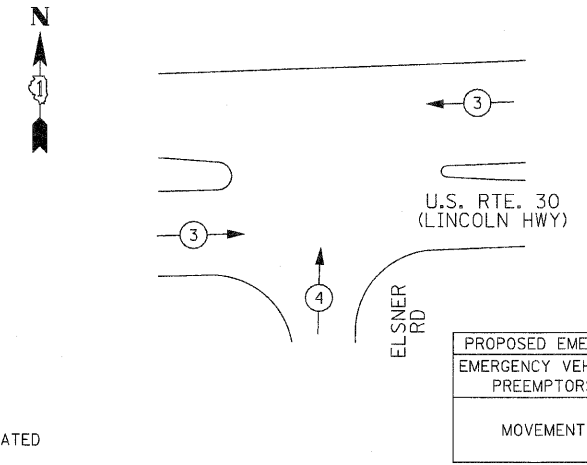
ITEM	UNIT	FRANKFORT QUANTITY	EPD* QUANTITY
SIGN PANEL - TYPE 1	SQ FT	13.5	
SIGN PANEL - TYPE 2	SQ FT	15	
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	548	
CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	24	
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	135	
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	242	
CONDUIT PUSHED, 2 1/2" DIA., GALVANIZED STEEL	FOOT	129	
CONDUIT PUSHED, 3" DIA., GALVANIZED STEEL	FOOT	20	
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	224	
HANDHOLE	EACH	4	
HEAVY-DUTY HANDHOLE	EACH	2	
DOUBLE HANDHOLE	EACH	2	
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	668	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	696	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1138	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1053	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1523	
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1810	
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	176	
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	1	
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2	
TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1	
STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1	
STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	2	
CONCRETE FOUNDATION, TYPE A	FOOT	16	
CONCRETE FOUNDATION, TYPE C	FOOT	4	
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10	
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	22	
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4	
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3	
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2	
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2	
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	6	
INDUCTIVE LOOP DETECTOR	EACH	7	
PEDESTRIAN PUSH-BUTTON	EACH	4	
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1	
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH		2
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH		1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	
REMOVE EXISTING HANDHOLE	EACH	8	
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9	
PREFORMED DETECTOR LOOP	FOOT	473	
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	858	
ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT		433



CONTROLLER SEQUENCE



**PHASE DESIGNATION DIAGRAM
EMERGENCY VEHICLE PREEMPTION SEQUENCE**



I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE (INCAND.)	LED	% OPERATION	
SIGNAL (RED)	11	17		0.50	93.5
(YELLOW)	11	25		0.25	68.75
(GREEN)	11	15		0.25	41.25
ARROW	8	12		0.10	9.6
PED. SIGNAL	4	25		1.00	100
CONTROLLER	1	100		1.00	100
ILLUM. SIGN		25			
FLASHER					
ENERGY COSTS TO:					TOTAL = 413.1
ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096					
ENERGY SUPPLY 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 "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

RELOCATE THE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM DETECTOR UNITS AND PHASING UNIT TO THE NEW TRAFFIC SIGNAL INSTALLATION.

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 ELSNER ROAD

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

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