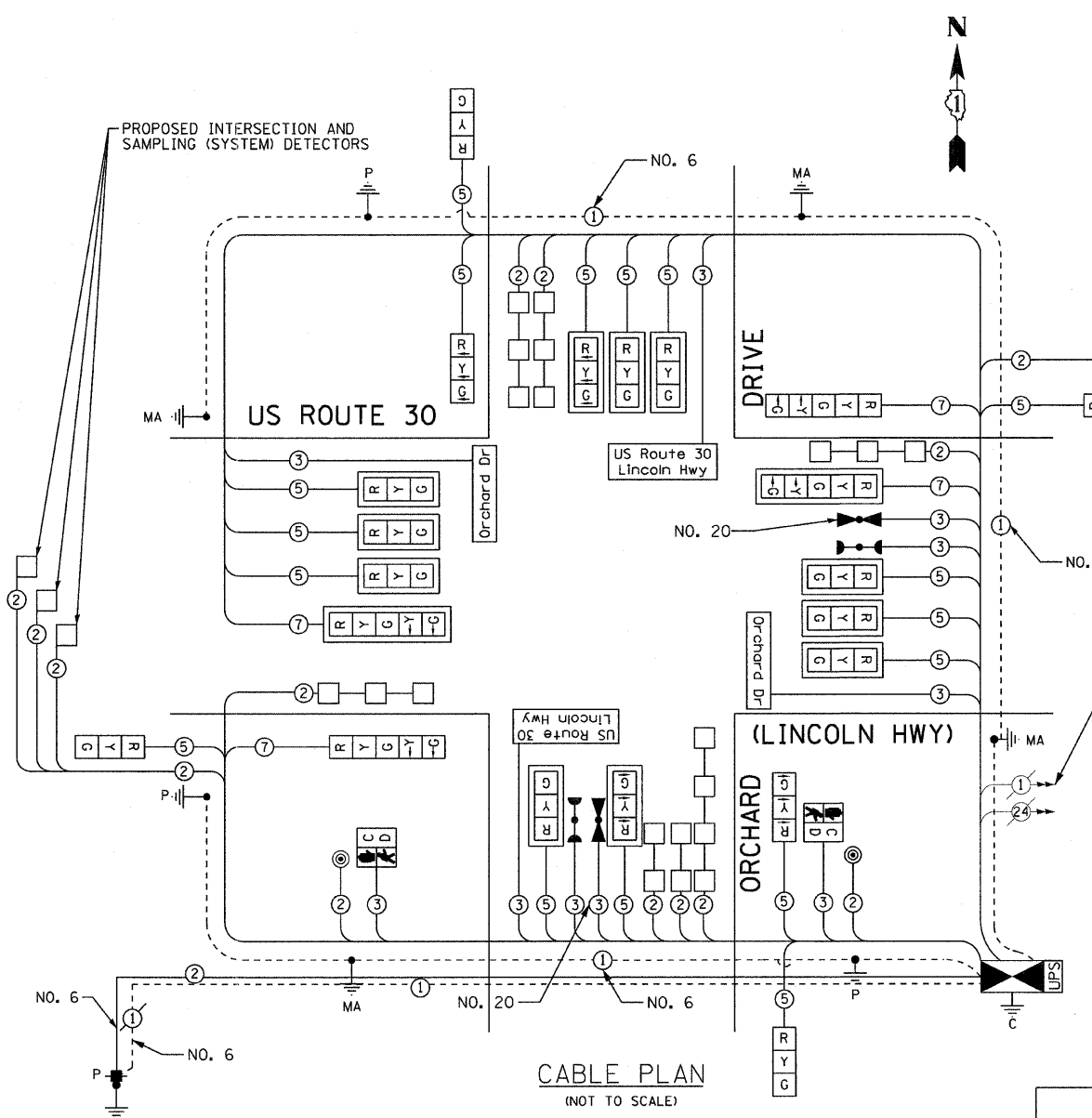


SCHEDULE OF QUANTITIES

DESCRIPTION	UNIT	QUANTITY
72000100 SIGN PANEL - TYPE 1	SQ. FT.	10
80500020 SERVICE INSTALLATION - POLE MOUNTED	EACH	1
81028200 UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1082
81028210 UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	31
81028220 UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	87
81028240 UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	485
81400100 HANDHOLE	EACH	6
81400200 HEAVY-DUTY HANDHOLE	EACH	4
81400300 DOUBLE HANDHOLE	EACH	2
86200300 UNINTERRUPTIBLE POWER SUPPLY, EXTENDED	EACH	1
86400100 TRANSCIEVER - FIBER OPTIC	EACH	1
87301215 ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	FOOT	611
87301225 ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT	1497
87301245 ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	3678
87301255 ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT	860
87301305 ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2910
87301900 ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	599
87502480 TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	2
87502500 TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1
87700230 STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1
87700280 STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1
87700300 STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	2
87800100 CONCRETE FOUNDATION, TYPE A	FOOT	12
87800150 CONCRETE FOUNDATION, TYPE C	FOOT	4
87800415 CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	54
88030020 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	12
88030110 SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
88030210 SIGNAL HEAD, LED, 2-FACE, 3 SECTION, BRACKET MOUNTED	EACH	2
88030240 SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	2
88102717 PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
88200210 TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	14
88500100 INDUCTIVE LOOP DETECTOR	EACH	13
88600100 DETECTOR LOOP, TYPE I	FOOT	1039
88700200 LIGHT DETECTOR	EACH	2
88700300 LIGHT DETECTOR AMPLIFIER	EACH	1
88800100 PEDESTRIAN PUSH-BUTTON	EACH	2
89000100 TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
89100400 ILLUMINATED SIGN, LED	EACH	4
89502300 REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	8295
89502350 REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	600
89502375 REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
89502380 REMOVE EXISTING HANDHOLE	EACH	9
89502382 REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
89502385 REMOVE EXISTING CONCRETE FOUNDATION	EACH	7
Z0033044 RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1
Z0073510 TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
X8570225 FULL-ACTUATED CONTROLLER AND CABINET, TYPE IV, SPECIAL	EACH	1
X8730250 ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED	FOOT	371

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		%OPERATION	
SIGNAL (RED)	21	INCAND.	LED	0.50	178.50
(YELLOW)	21			0.25	131.25
(GREEN)	21			0.25	78.75
ARROW	8			0.10	9.60
PED. SIGNAL	2			1.00	50.00
CONTROLLER	1	100		1.00	100.00
ILLUM. SIGN	4			0.50	180.00
VIDEO DET.	0			1.00	0
LUMINAIRE	0	250		0.50	0
FLASHER				0.50	-
ENERGY COSTS TO:					TOTAL = 728.10
ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, IL 60196-1096 ENERGY SUPPLY CONTACT: VALERIE MURPHY PHONE: (708) 235-2346 COMPANY: COMED					



CABLE PLAN (NOT TO SCALE)

CABLE PLAN LEGEND

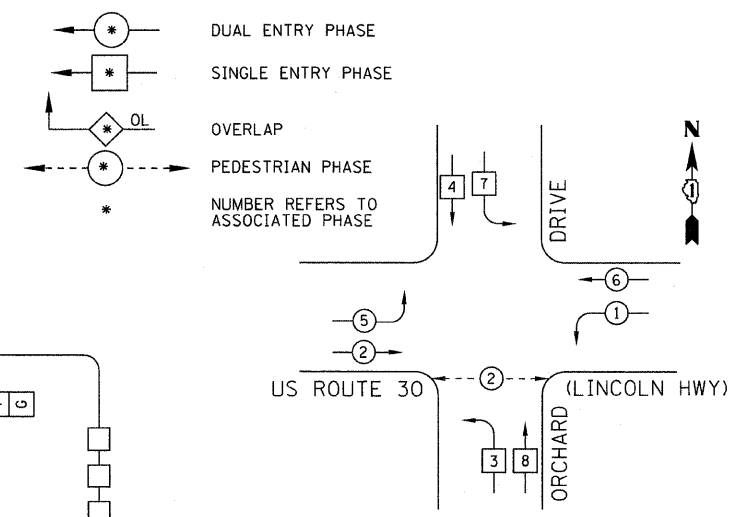
NOTE: SEE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAILS SHEET FOR FULL LEGEND

US Route 30 Lincoln Hwy LED INTERNALLY ILLUMINATED STREET NAME SIGNS

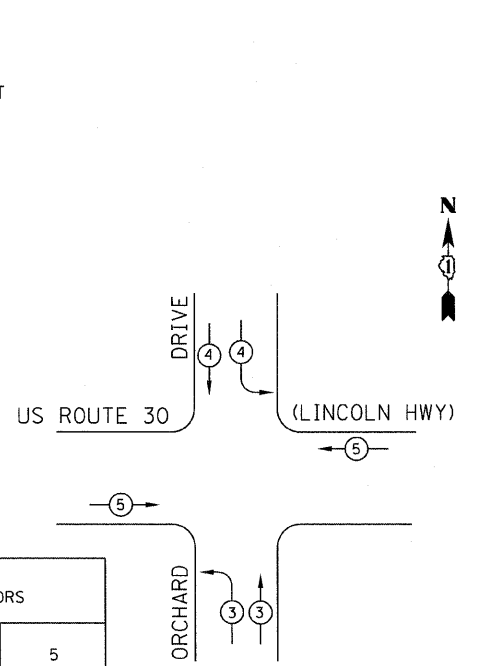
NOTE: THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

PROPOSED CONTROLLER SEQUENCE

LEGEND



PHASE DESIGNATION DIAGRAM



PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE

PROPOSED EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT	↶	↵	↷

STATE OF ILLINOIS ORCHARD DRIVE IMPROVEMENTS

TRAFFIC SIGNAL CABLE PLAN, PHASE DESIGNATION DIAGRAM AND SCHEDULE OF QUANTITIES US ROUTE 30 (LINCOLN HWY) AND ORCHARD DR



DESIGNED - JUF	REVISED -
DRAWN - MAC	REVISED -
CHECKED - TAO	REVISED -
DATE - 10/31/11	FILE - 060670-PH2-ts-cable-5-RT30.sh1

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2836	06-00090-00-FP	COOK	200	139
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63635	
SCALE: NONE			M-80031661	

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