

SCHEDULE OF QUANTITIES

NO.	DESCRIPTION	UNIT	QUANTITY
1	SIGN PANEL - TYPE 1	SQ FT	29
2	ELECTRIC SERVICE INSTALLATION	EACH	1
3	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	524
4	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	55
5	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	60
6	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	107
7	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	257
8	HANDHOLE	EACH	7
9	HEAVY-DUTY HANDHOLE	EACH	2
10	DOUBLE HANDHOLE	EACH	1
11	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	639
12	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
13	TRANSCEIVER - FIBER OPTIC	EACH	1
14	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	304
15	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	874
16	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1646
17	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1948
18	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	86
19	CONCRETE FOUNDATION, TYPE C	FOOT	4
20	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	60
21	SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4
22	SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	8
23	TRAFFIC SIGNAL BACKPLATE	EACH	12
24	INDUCTIVE LOOP DETECTOR	EACH	10
25	LIGHT DETECTOR	EACH	2
26	LIGHT DETECTOR AMPLIFIER	EACH	1
27	PERFORMED DETECTOR LOOP	FOOT	1062
28	UNINTERRUPTIBLE POWER SUPPLY	EACH	1
29	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	1096
30	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 20 3C	FOOT	304
31	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 42 FT. AND 16 FT.	EACH	2
32	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 38 FT. AND 16 FT.	EACH	1
33	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 46 FT. AND 14 FT.	EACH	1

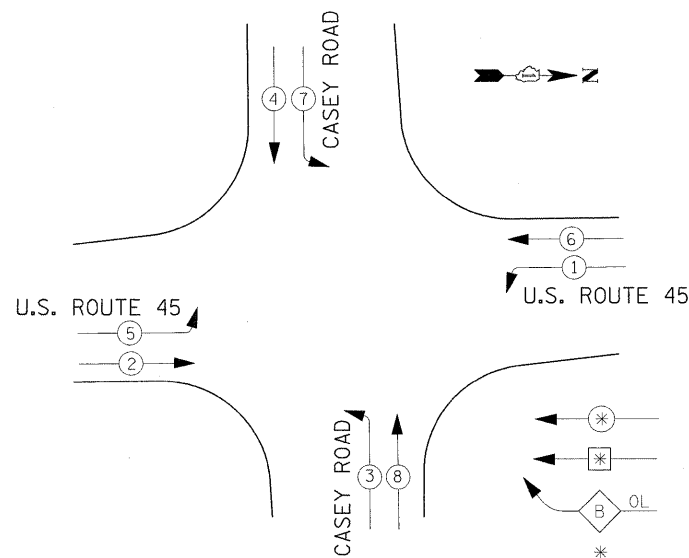
ELECTRICAL LOAD CHART

IDOT TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE	
TYPE	NO. LAMPS	WATTAGE LED	% OPERATION		
SIGNAL (RED)	12	17	0.50	102	
SIGNAL (YELLOW)	12	25	0.25	75	
SIGNAL (GREEN)	12	15	0.25	45	
ARROW	16	12	0.10	19.2	
CONTROLLER	1	100	1.00	100.0	
ENERGY COSTS TO ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096				TOTAL 341.2	
ENERGY SUPPLY CONTACT : TERRY COLLARD PHONE : (847) 816-5472 COMPANY : COM. EDISON					
FOUNDATION (DEPTH)	FT	CABLE SLACK	FT	VERTICAL	FT
TYPE C - CONTROLLER	4	HANDHOLE	6.5	ALL FOUNDATIONS	3.5
E - MAST ARM POLE 36" (900mm)	60	DOUBLE HANDHOLE	13	MAST ARM POLE (L)	20'+L-2
		SIGNAL POST	2	BRACKET MOUNTED	13
		CONTROLLER CABINET	1	ELECTRIC SERVICE	13.5
		FIBER OPTIC	13	SERVICE GROUND	13.5
		ELECTRIC SERVICE	1	POST MOUNTED	6
		GROUND CABLE	1		

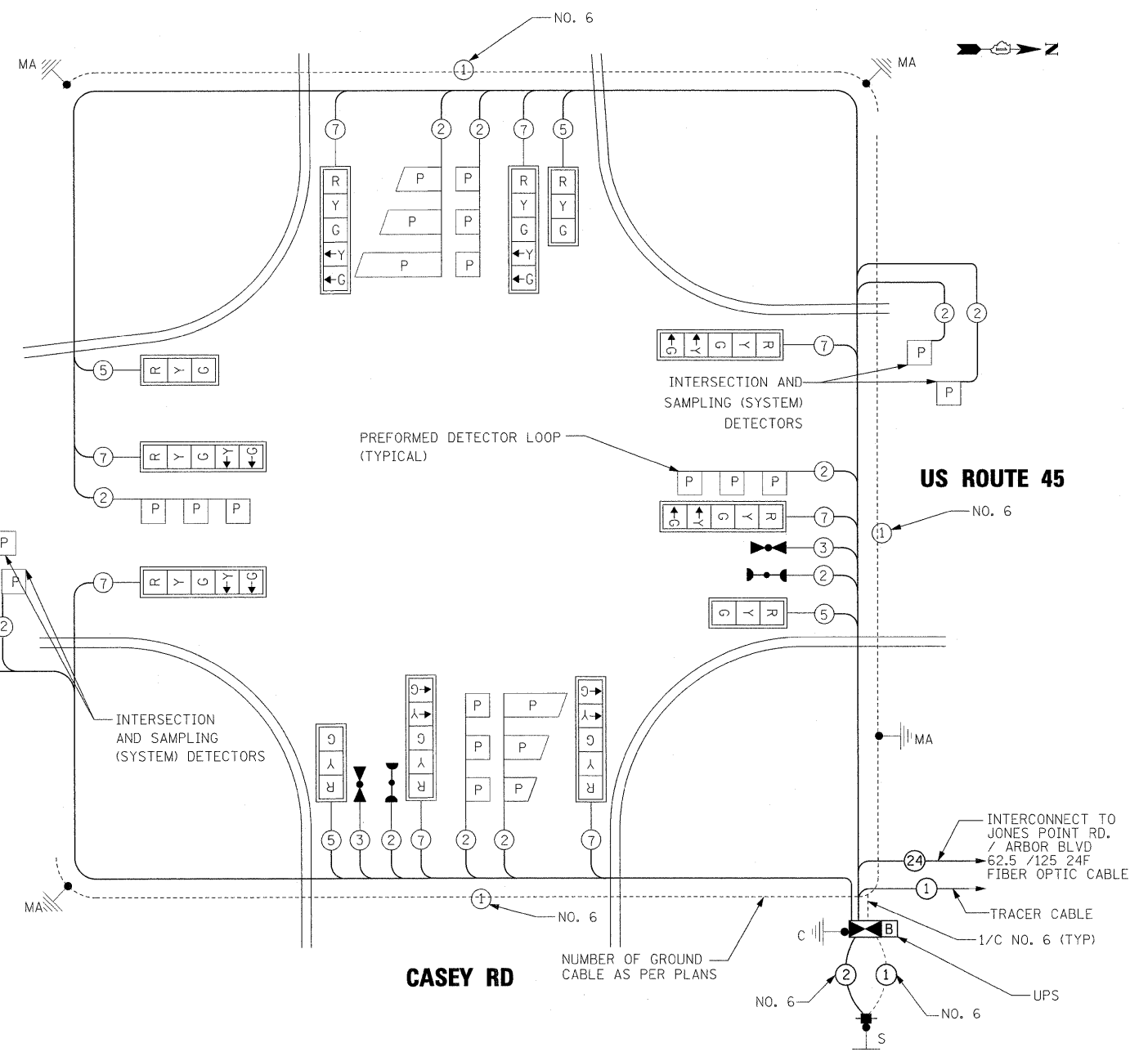
CABLE PLAN LEGEND

DESCRIPTION	EXISTING	PROPOSED
8" (200mm) TRAFFIC SIGNAL SECTION		
12" (300mm) TRAFFIC SIGNAL SECTION		
12" (300mm) PEDESTRIAN SIGNAL SECTION		
CONTROLLER CABINET		
SERVICE INSTALLATION		
TELEPHONE CONNECTION		
MAGNETIC DETECTOR		
EMERGENCY VEHICLE LIGHT DETECTOR		
CONFIRMATION BEACON		
PUSHBUTTON DETECTOR		
PERFORMED DETECTOR LOOP		
VEHICLE DETECTOR, INDUCTION LOOP		
DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.		
SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD.		
RAILROAD CONTROL CABINET		
ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN"		
ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN"		
GROUND ROD AT HANDHOLE, DOUBLE HANDHOLE, OR CONTROLLER		
GROUND ROD AT POST, OR MAST ARM POLE		
GROUND ROD AT ELECTRIC, SERVICE INSTALLATION		
GROUND CABLE IN CONDUIT, NO.6 SOLID COPPER (GREEN)		
FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 2-MM12F & SM12F		
UNINTERRUPTIBLE POWER SUPPLY		

CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM



CASEY RD

US ROUTE 45

NUMBER OF GROUND CABLE AS PER PLANS

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

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

EMERGENCY VEHICLE PREEMPTION SEQUENCE	
SEQUENCE	
3	
4	
PHASES	