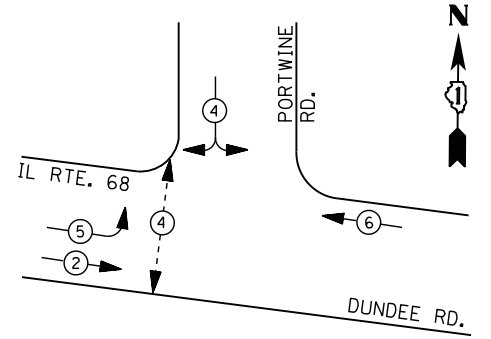
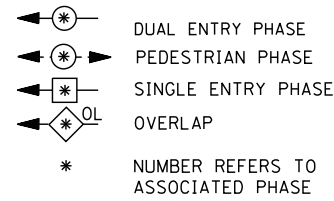


**CONTROLLER SEQUENCE**



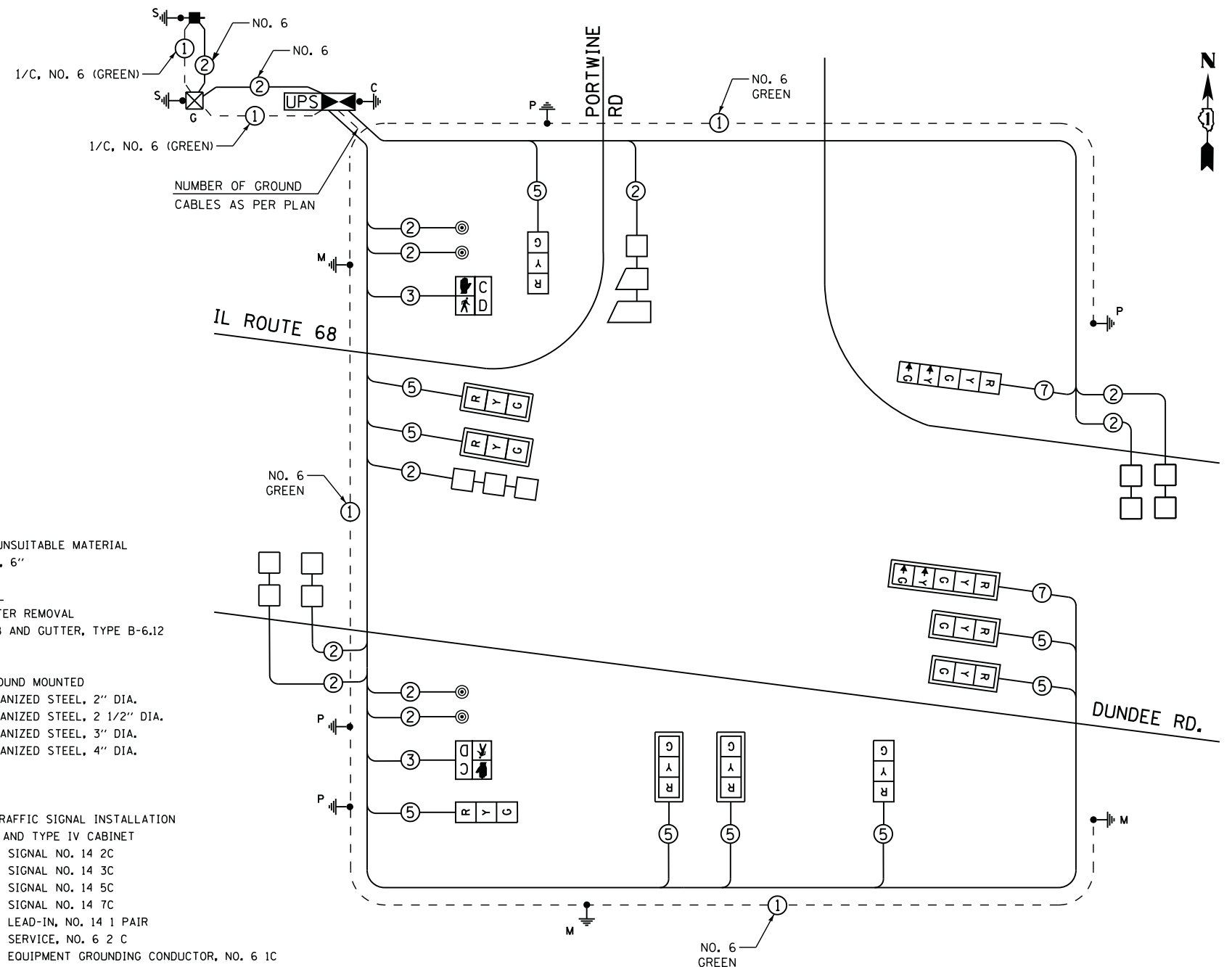
**PHASE DESIGNATION DIAGRAM**

**LEGEND**



**SCHEDULE OF QUANTITIES**

QUANTITY	UNIT	ITEM
4	CU YD	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
25	SO YD	TOPSOIL FURNISH AND PLACE, 6"
25	SO YD	SODDING
25	SO YD	DRIVEWAY PAVEMENT REMOVAL
16	FOOT	COMBINATION CURB AND GUTTER REMOVAL
16	FOOT	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
38	SO FT	SIGN PANEL - TYPE 1
12.5	SO FT	SIGN PANEL - TYPE 2
1	EACH	SERVICE INSTALLATION - GROUND MOUNTED
1028	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.
48	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.
81	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.
278	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
6	EACH	HANDHOLE
1	EACH	HEAVY-DUTY HANDHOLE
1	EACH	DOUBLE HANDHOLE
1	LSUM	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET
481	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
246	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
1488	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
425	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
2225	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
66	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C
512	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.
2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 20 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.
20	FOOT	CONCRETE FOUNDATION, TYPE A
4	FOOT	CONCRETE FOUNDATION, TYPE C
23.5	FOOT	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER
13	FOOT	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER
6	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED
3	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED
2	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
7	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
6	EACH	INDUCTIVE LOOP DETECTOR
468	FOOT	DETECTOR LOOP, TYPE I
4	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL



**CABLE PLAN**

I. D. O. T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	11		17	0.50	94
(YELLOW)	11		25	0.25	69
(GREEN)	11		15	0.25	42
ARROW	4		12	0.10	5
PED. SIGNAL	2		25	1.00	50
CONTROLLER	1		100	1.00	100
ILLUM. SIGN			25	0.05	--
VIDEO SYSTEM	--		-	1.00	--
TOTAL =					360

ENERGY COSTS- BILLED TO: IDOT DISTRICT 1  
 201 WEST CENTER COURT  
 SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY - CONTACT TERRI BLECK  
 PHONE 847-816-5239  
 COMMONWEALTH EDISON

**RESTORATION OF WORK AREA.** RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN 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, MEDIAN, 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 SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.