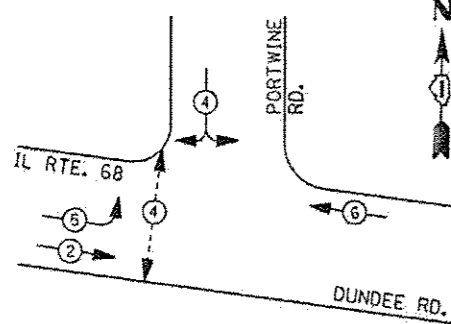


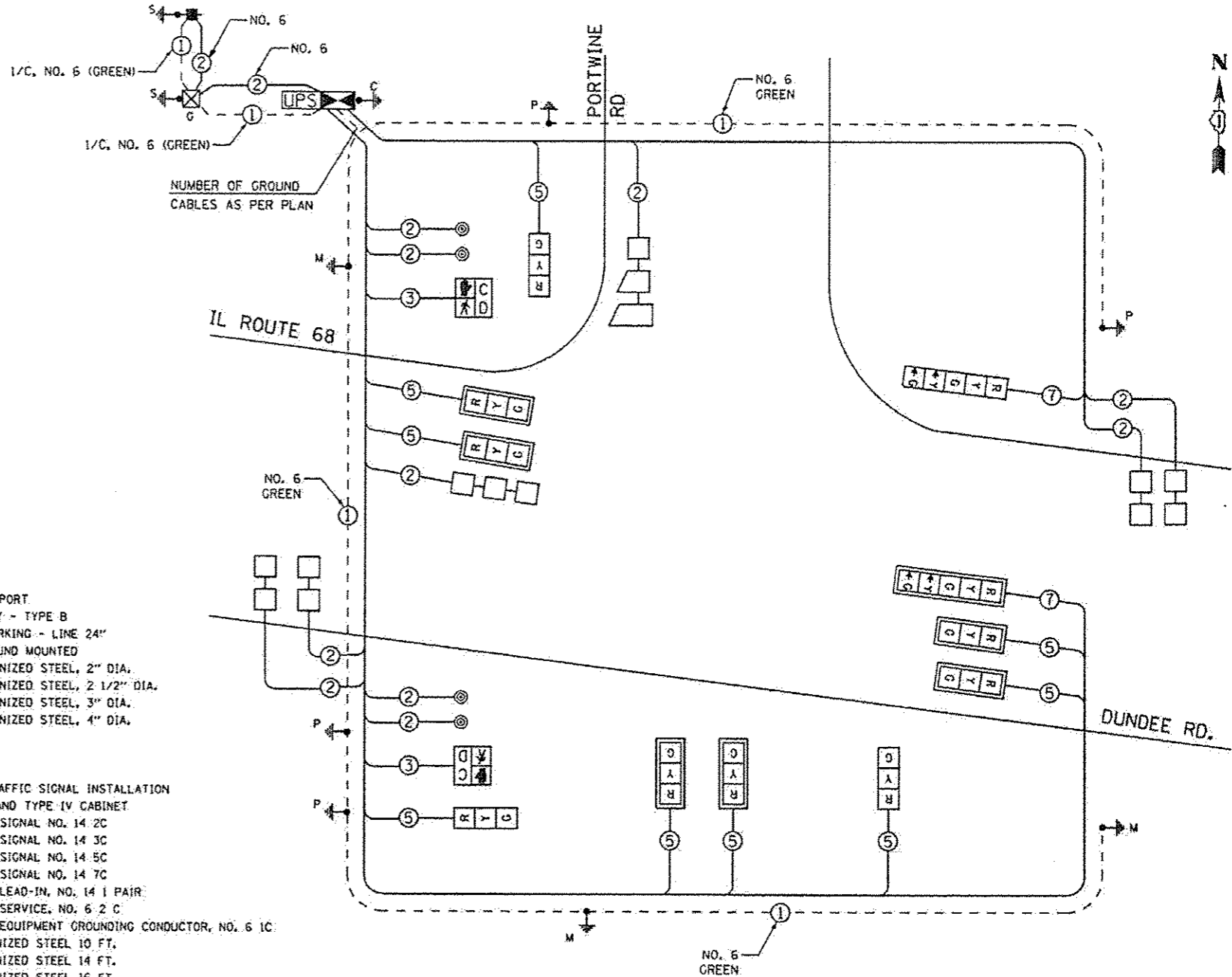
CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM

LEGEND

- DUAL ENTRY PHASE
- PEDESTRIAN PHASE
- SINGLE ENTRY PHASE
- OVERLAP
- * NUMBER REFERS TO ASSOCIATED PHASE



SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM
2	CAL NO	CHANGEABLE MESSAGE SIGN
64	SQ FT	SIGN PANEL - TYPE 1
12.5	SQ FT	SIGN PANEL - TYPE 2
38	FOOT	TELESCOPING STEEL SIGN SUPPORT
2	EACH	REMOVE SIGN PANEL ASSEMBLY - TYPE B
73	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 24"
1	EACH	SERVICE INSTALLATION - GROUND MOUNTED
1,028	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	L SUM	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
1,488	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
425	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
2,225	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	UNINTERRUPTIBLE POWER SUPPLY, SPECIAL
51	SQ FT	TEMPORARY INFORMATION SIGNING

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
RED. SIGNAL	2		25	1.00	50
CONTROLLER	1		100	1.00	100
ILLUM. SIGN			25	0.05	--
VIDEO SYSTEM	--			1.00	--
FLASHER LED					
TOTAL =					360

ENERGY COSTS- BILLED TO: 100T DISTRICT 1
201 WEST CENTER COURT
SCHAUMBURG, IL 60196-1096

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

FILE NAME *	USER NAME + USERNAME	DESIGNED - DW	REVISED - 9/29/14 JC
MAP Pro: 08/13/08 00 100T P18 148-04	113818 IL68 @ Portwine Rd Design CAD/Sheet	DRAWN 14_CAD-IL68-PORTWINE.dgn	REVISED -
	PLOT SCALE = 28.800 1/2 in	CHECKED - KMM	REVISED -
	PLOT DATE = 10/01/14	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 68 (DUNDEE ROAD) AND PORTWINE ROAD
CABLE PLAN, SCHEDULE OF QUANTITIES & PHASE DESIGNATION DIAGRAM

SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

P.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	161BTS	COOK	16	15
				CONTRACT NO. 60X14
ILLINOIS FED. AID PROJECT				

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 SOG, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.