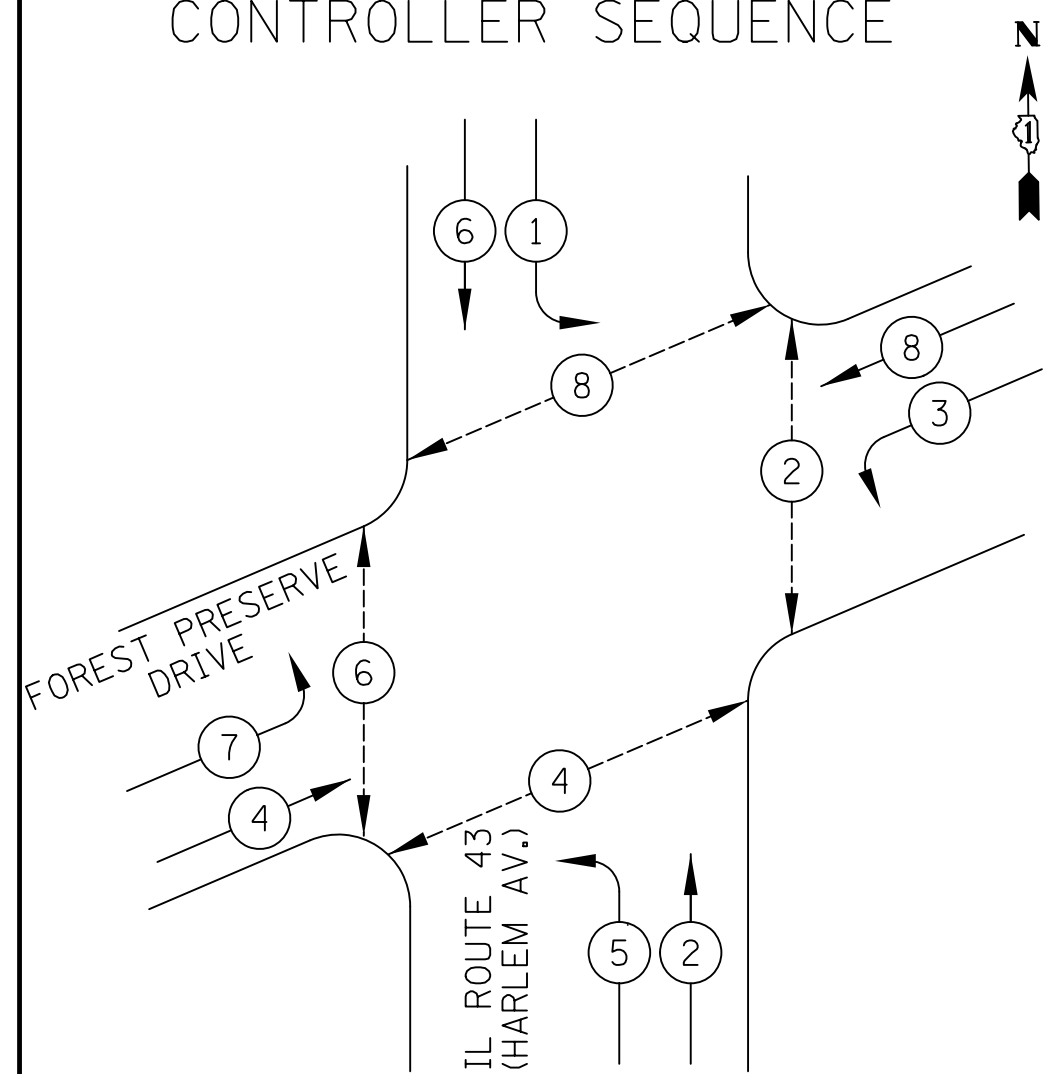
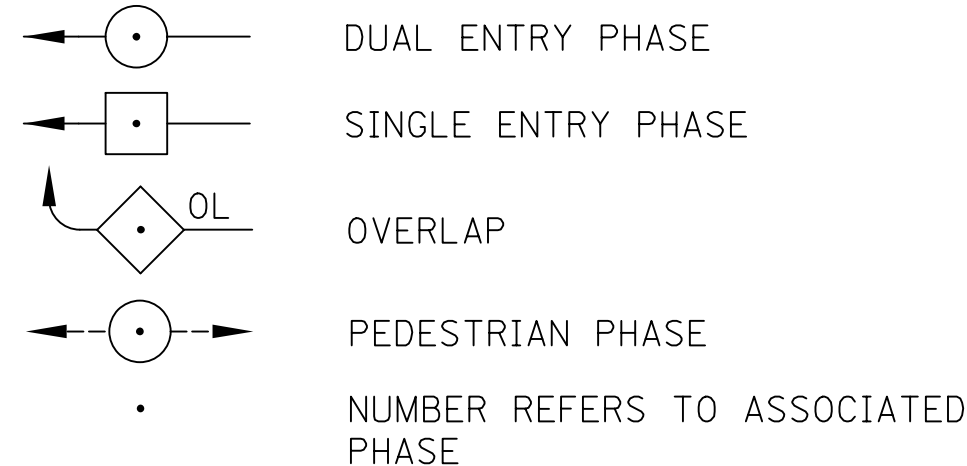


PROPOSED CONTROLLER SEQUENCE



LEGEND



PHASE DESIGNATION DIAGRAM

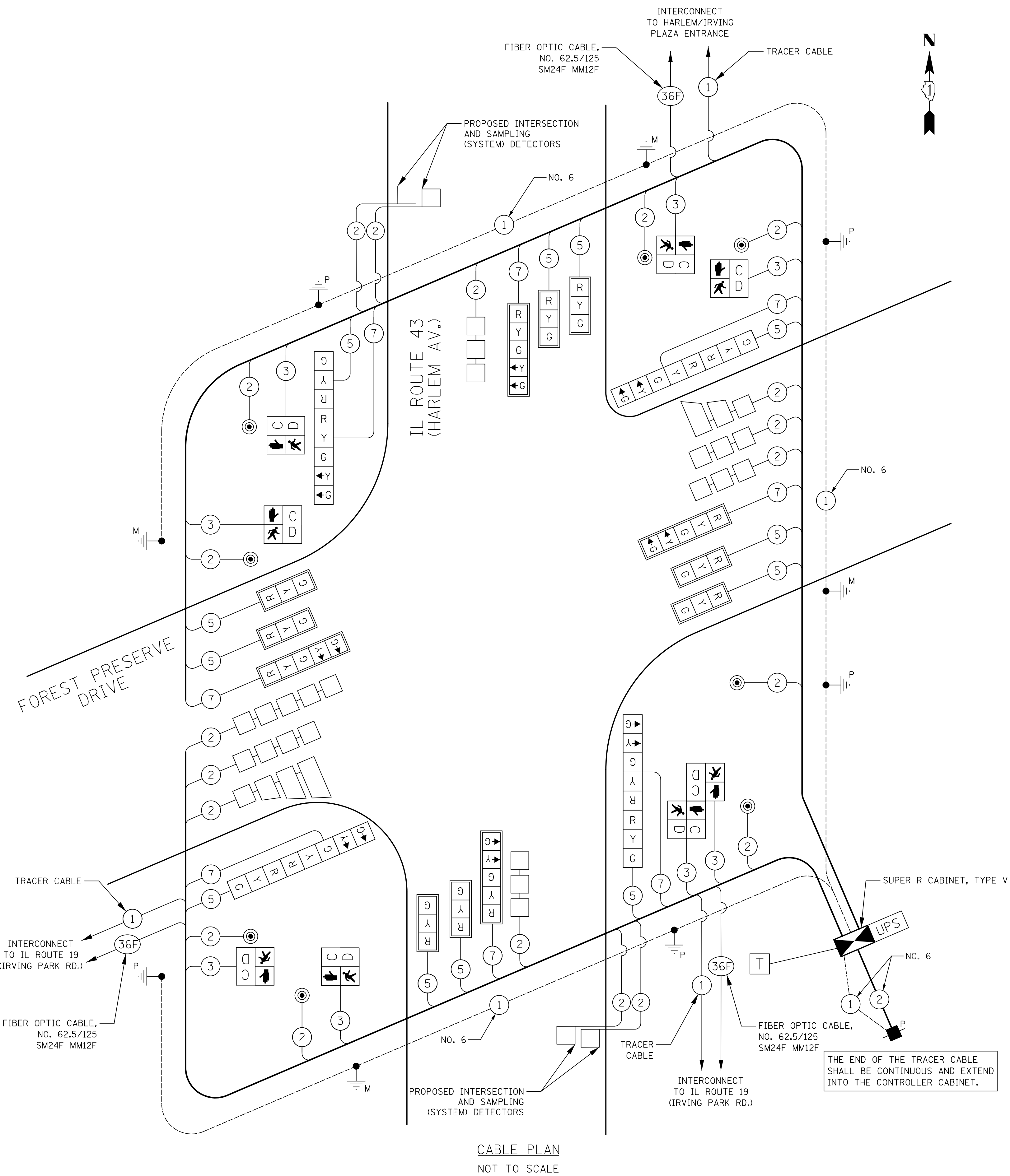
SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QNTY.
SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	198
PROTECTIVE COAT	SQ YD	247
PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	SQ FT	1775
DETECTABLE WARNINGS	SQ FT	119
COMBINATION CURB AND GUTTER REMOVAL	FOOT	179
SIDEWALK REMOVAL	SQ FT	1775
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	179
SIGN PANEL - TYPE 2	SQ FT	48
THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	759
PAVEMENT MARKING REMOVAL	SQ FT	372
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	893
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	81
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	53
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	476
HANDHOLE	EACH	4
HEAVY-DUTY HANDHOLE	EACH	4
DOUBLE HANDHOLE	EACH	2
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1373
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1429
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2335
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1611
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2929
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	54
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	829
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	20
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	54
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4
SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	4
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	12
INDUCTIVE LOOP DETECTOR	EACH	12
DETECTOR LOOP, TYPE 1	FOOT	1221
PEDESTRIAN PUSH-BUTTON	EACH	8
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	14
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	10
FULL-ACTUATED CONTROLLER AND TYPE V CABINET, SPECIAL	EACH	1
MASTER CONTROLLER (SPECIAL)	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
PEDESTRIAN PUSHBUTTON POST, TYPE A	EACH	1

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	% OPERATION	
SIGNAL (RED)	20	17	0.50		170
(YELLOW)	20	25	0.25		125
(GREEN)	20	15	0.25		75
ARROW	16	12	0.10		19
PED. SIGNAL	8	25	1.00		200
VIDEO SYSTEM	1	150	1.00		150
CONTROLLER	1	100	1.00		100
TOTAL =					839

ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY: CONTACT:
PHONE:
COMPANY:



CABLE PLAN NOT TO SCALE



USER NAME = mfb	DESIGNED - BRD	REVISED -
PLOT SCALE = 20.0000' / 1"	DRAWN - MFB	REVISED -
PLOT DATE = 3/20/2013	CHECKED - JJE	REVISED -
	DATE - 03/21/2013	REVISED -