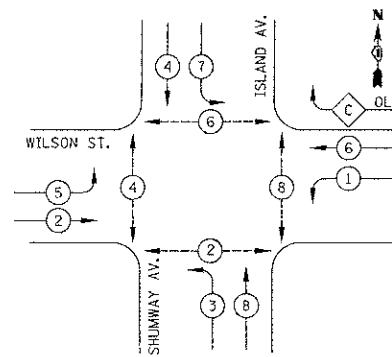
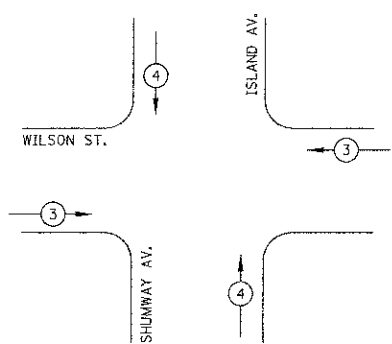


PROPOSED CONTROLLER SEQUENCE

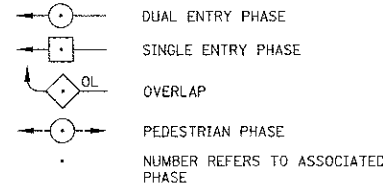


PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE

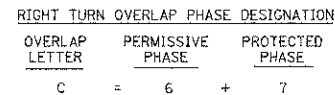


EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←	↑

LEGEND



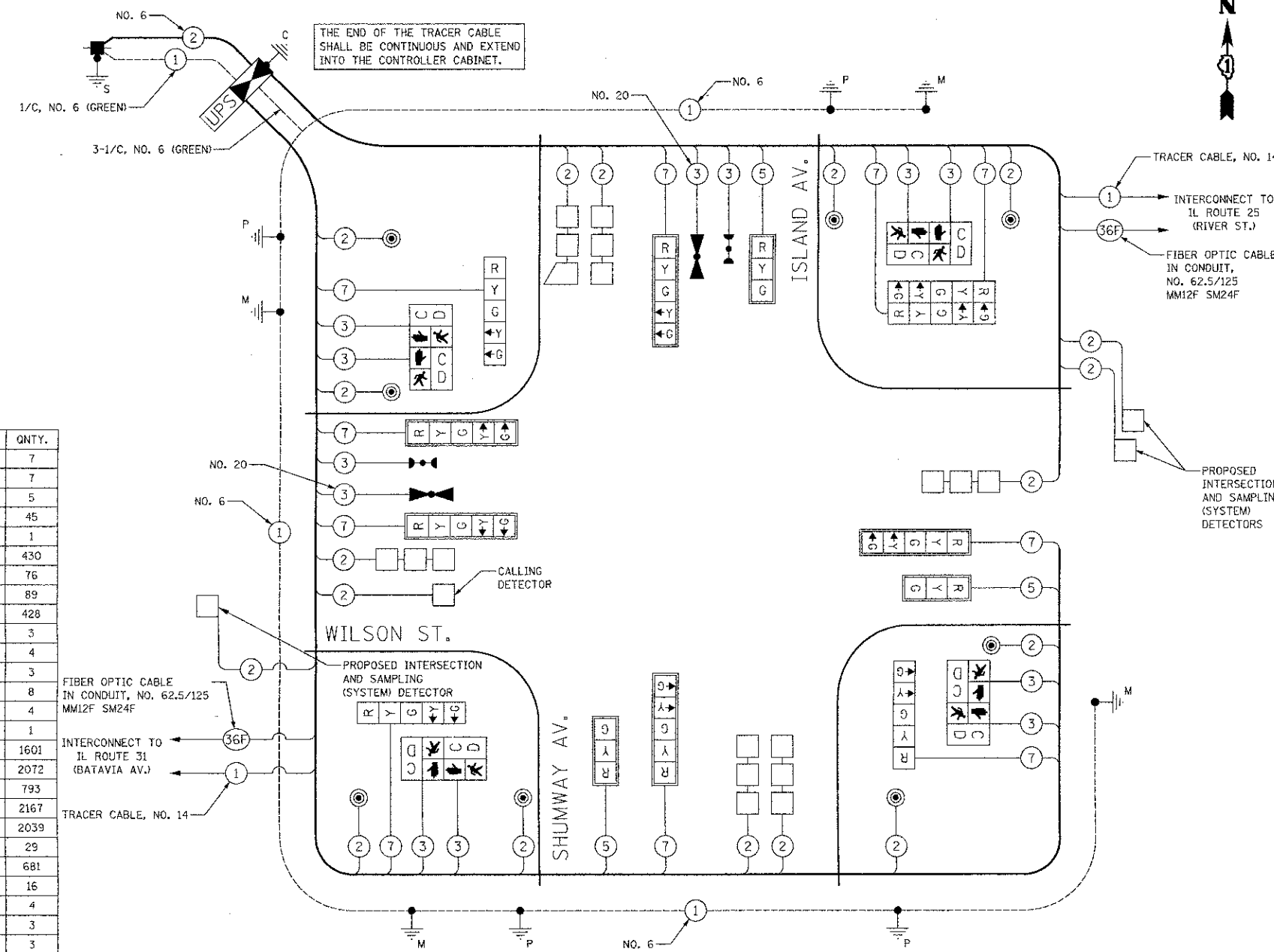
PHASE DESIGNATION DIAGRAM



SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QNTY.
ROCK EXCAVATION	CU YD	7
TRENCH BACKFILL	CU YD	7
ROCK EXCAVATION FOR STRUCTURES	CU YD	5
SIGN PANEL - TYPE I	SQ FT	45
SERVICE INSTALLATION - GROUND MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	430
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	76
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	89
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	428
HANDHOLE	EACH	3
HEAVY-DUTY HANDHOLE	EACH	4
DOUBLE HANDHOLE	EACH	3
PAINT NEW TRAFFIC SIGNAL POST	EACH	8
PAINT NEW COMBINATION MAST ARM ASSEMBLY AND POLE, UNDER 40 FOOT	EACH	4
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1601
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2072
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	793
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2167
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2039
ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 2C	FOOT	29
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	681
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE C	FOOT	4
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	3
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	5
SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	8
INDUCTIVE LOOP DETECTOR	EACH	10
DETECTOR LOOP, TYPE I	FOOT	646
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	8
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	4
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	402
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 24 FT. (SPECIAL)	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT. (SPECIAL)	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT. (SPECIAL)	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
CONCRETE FOUNDATION, (SPECIAL)	FOOT	44
PEDESTRIAN PUSHBUTTON POST, TYPE A	EACH	4

FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125 MM12F SM24F
 INTERCONNECT TO IL ROUTE 31 (BATAVIA AV.)
 TRACER CABLE, NO. 14



CABLE PLAN
NOT TO SCALE

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		% OPERATION	
SIGNAL (RED)	13	INCAND.	17	0.50	111
	13	LED	25	0.25	81
	13	LED	15	0.25	49
ARROW	20	LED	12	0.10	24
PED. SIGNAL	8	LED	25	1.00	200
CONTROLLER	1	LED	100	1.00	100
TOTAL =					565

ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 WEST CENTER COURT
 SCHAUMBURG, IL 60196-1096
 ENERGY SUPPLY: CONTACT: ELECTRIC DEPARTMENT
 PHONE: (630) 454-2350
 COMPANY: CITY OF BATAVIA

RESTORATION OF WORK AREA.
 RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO 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 SHOULDER, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SALT TOLERANT SOO, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

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

	USER NAME = brd	DESIGNED - BRD	REVISED -
	PLOT SCALE = 20.0000' / 1"	DRAWN - OJT	REVISED -
	PLOT DATE = 11/20/2012	CHECKED - JUE	REVISED -
		DATE - 10/22/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, SEQUENCE OF OPERATION, EMERGENCY VEHICLE PREEMPTION SEQUENCE & SCHEDULE OF QUANTITIES
 WILSON STREET AT ISLAND AVENUE / SHUMWAY AVENUE
 NOT TO SCALE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE. 1441	SECTION 12-00073-01-TL	COUNTY KANE	TOTAL SHEETS 88	SHEET NO. 45
CONTRACT NO. 63763				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				