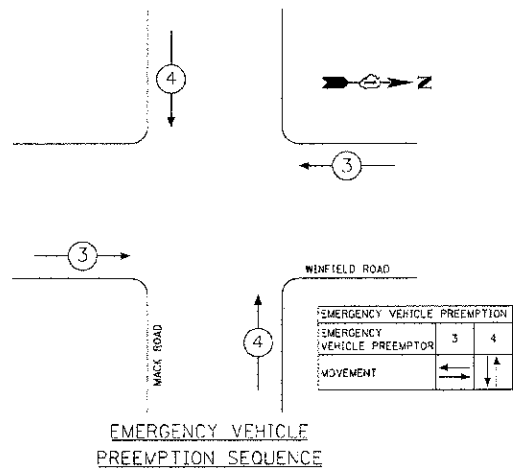
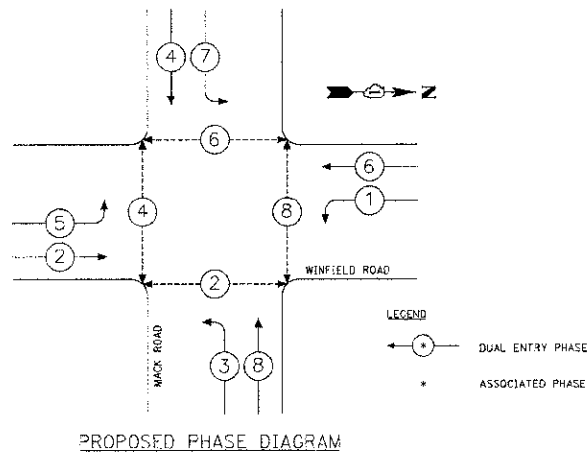
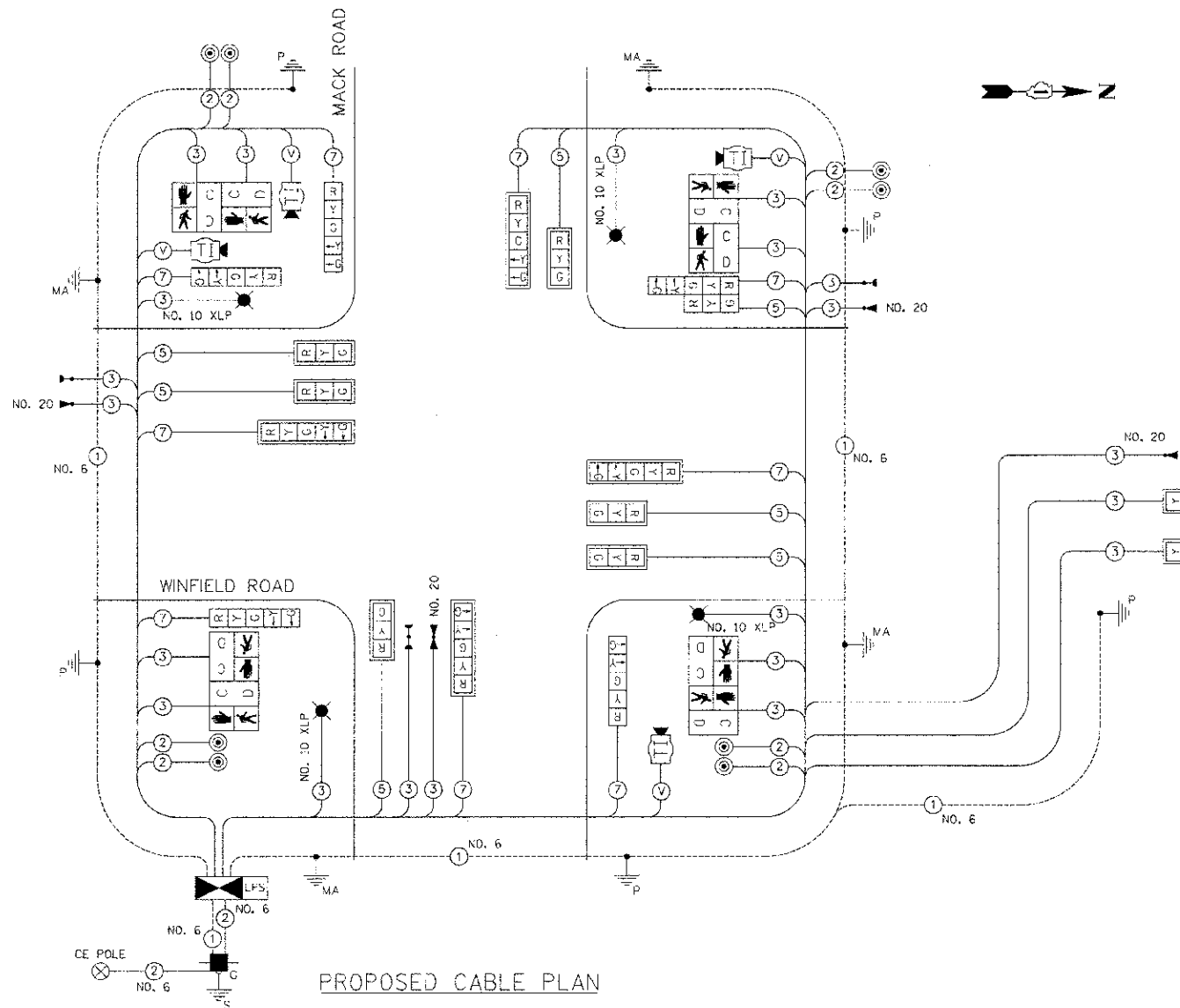




DUPAGE COUNTY D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND. LED	% OPERATION		
SIGNAL (RED)	16	436	17	0.50	136
SIGNAL (YELLOW)	16	436	25	0.25	100
SIGNAL (GREEN)	16	436	15	0.25	80
ARROW	18	436	12	0.10	21.6
FLASHER	2		25	0.50	25
CONTROLLER	1	100		1.00	100
VIDEO DETECTION	1	150		1.00	150
LUMINAIRE	4	310		0.50	620
TOTAL =					1212.6

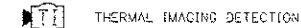


SCHEDULE OF QUANTITIES

IDOT CODE	ITEM	UNIT	TOTAL
66900200	NON-SPECIAL WASTE DISPOSAL	CUYD	71.8
66900450	SPECIAL WASTE PLANS AND REPORTS	L.SUM	0.7
66900530	SOIL DISPOSAL ANALYSIS	EACH	1
67100100	MOBILIZATION	L.SUM	0.34
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L.SUM	0.34
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L.SUM	0.5
72000100	SIGN PANEL, TYPE 1	SQ. FT.	30
80500010	SERVICE INSTALLATION - GROUND MOUNTED	EACH	1
81028300	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	919
81028410	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	45
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	90
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	371
81400100	HANDHOLE	EACH	4
82400300	DOUBLE HANDHOLE	EACH	2
81702450	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10	FOOT	776
82102310	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 330 WATT	EACH	4
83009800	LIGHT POLE, ALUMINUM, 45 FT. M.H., 15 FT. MAST ARM	EACH	1
83600305	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	1
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
85820400	FLASHER CONTROLLER, SPECIAL, WITHOUT CABINET	EACH	1
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1232
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	3803
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1268
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1471
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	55
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1462
87501200	TRAFFIC SIGNAL POST, 16 FT.	EACH	3
87501400	TRAFFIC SIGNAL POST, 18 FT.	EACH	1

IDOT CODE	ITEM	UNIT	TOTAL
87702980	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT.	EACH	1
87702900	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT.	EACH	1
87702940	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT.	EACH	1
87702950	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	16
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	42
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6
88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4
88030240	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1
88040020	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 1-SECTION, BRACKET MOUNTED	EACH	2
88102845	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	4
88200510	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	12
88700200	LIGHT DETECTOR	EACH	4
88700300	LIGHT DETECTOR AMPLIFIER	EACH	1
88800100	PEDESTRIAN PUSH-BUTTON	EACH	8
88902375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
89502380	REMOVE EXISTING HANDHOLE	EACH	8
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	1537
X8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
X8620200	UNINTERRUPTIBLE POWER SUPPLY, SPECIAL	EACH	1
20013798	CONSTRUCTION LAYOUT	L.SUM	0.7
X0827515	THERMAL VEHICLE DETECTION SYSTEM	EACH	1

CABLE PLAN LEGEND



ADVANCE WARNING FLASHING BEACON

OPERATION NOTE:

THE ADVANCE WARNING FLASHING BEACON OPERATION SHALL COMMENCE AT START OF THE PHASE 6 YELLOW AND SHALL CONTINUE TO FLASH DURING THE PHASE 6 YELLOW AND RED INTERVALS.

THE ADVANCE WARNING FLASHER SHALL TURN OFF AT THE START OF THE PHASE 6 GREEN.

LIGHTING CONSTRUCTION NOTES:

- SEPARATE 30A BREAKER SHALL BE INSTALLED IN THE TRAFFIC SIGNAL CABINET TO POWER THE LIGHTING SYSTEM
- SEPARATE PHOTOCELLS SHALL BE INSTALLED IN EACH LUMINAIRE

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

FILE NAME - 120123-sys-Winfield & Mack-PRP cable plan

USER NAME - hrcat

PLOT SCALE - 1/8"=1'-0"

PLOT DATE - 23/21/2013

DESIGNED - BF

DRAWN - BF

CHECKED - JS

DATE - 12-13-12

REVISED - 03-18-12 BPCDOT

REVISED -

REVISED -

REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



PROPOSED CABLE PLAN & SEQUENCE OF OPERATIONS
WINFIELD ROAD & MACK ROAD

SCALE:

SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.

SECTION

11-00232-06-SP

ILLR PROJECT NO. 12.0123.350

REPROPOSED AND PROJECT

COUNTY

DUPAGE

CONTRACT NO. 63777

TOTAL SHEET

21

12