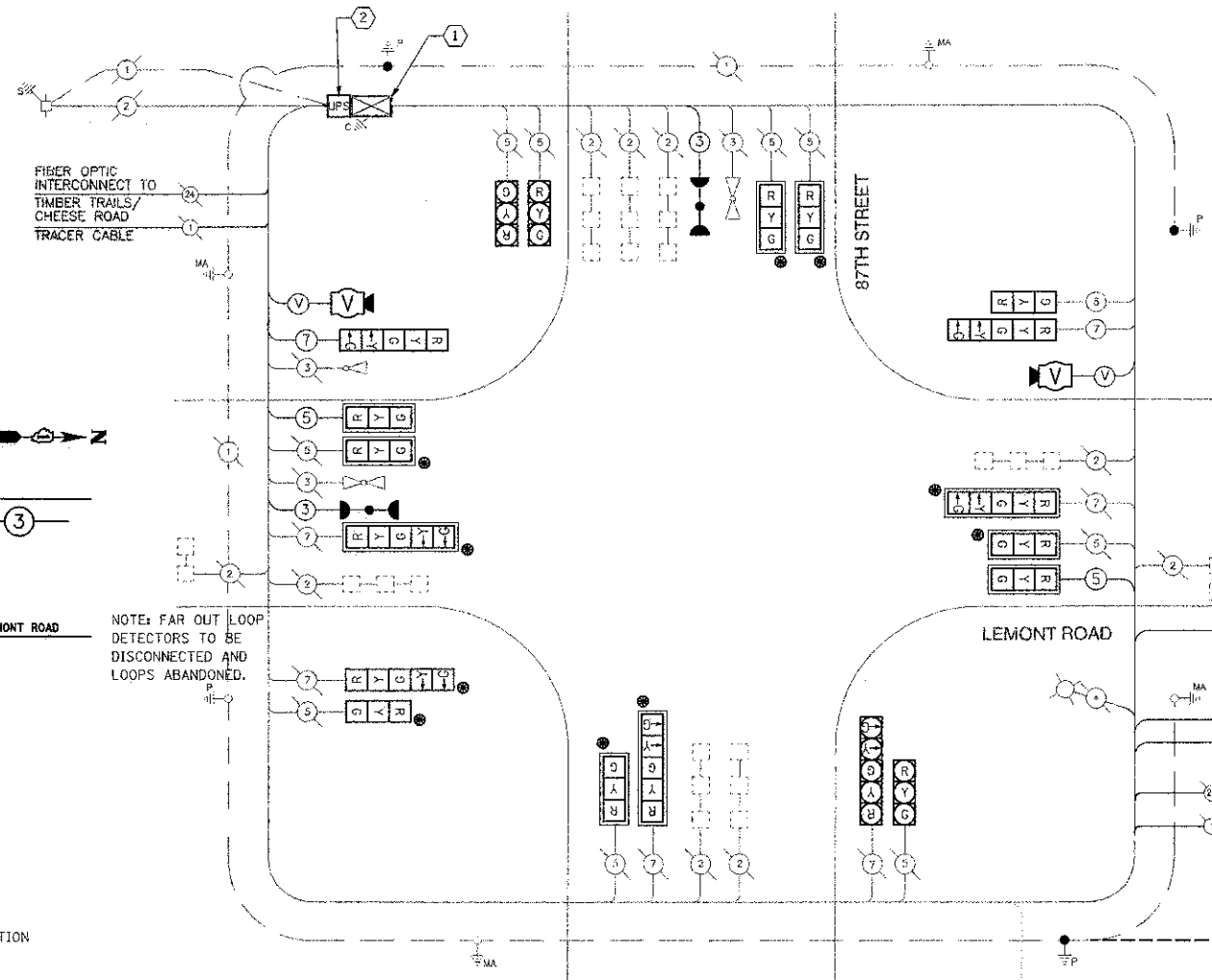
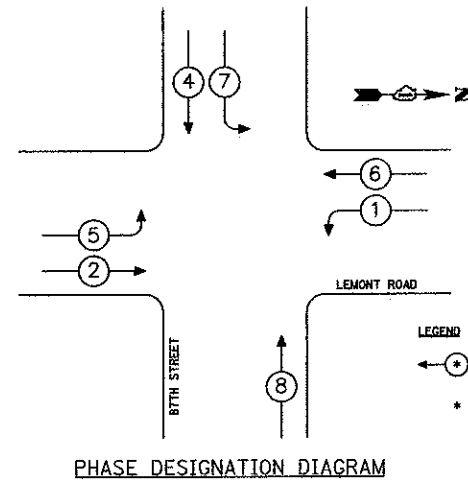


SCHEDULE OF QUANTITIES

IDOT CODE	ITEM	UNIT	TOTAL
66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	8.2
66900530	SOIL DISPOSAL ANALYSIS	EACH	1
67100100	MOBILIZATION	LSUM	0.33
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	LSUM	0.33
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	0.25
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	83
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	17
83009600	LIGHT POLE, ALUMINUM, 45 FT. M.H., 15 FT. MAST ARM	EACH	1
83800205	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
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2722
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	513
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	215
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1000
87501200	TRAFFIC SIGNAL POST, 16 FT.	EACH	2
87501400	TRAFFIC SIGNAL POST, 18 FT.	EACH	1
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10
87900200	DRILL EXISTING HANDHOLE	EACH	1
88030030	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	2
88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
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
88200510	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	12
88700090	CONFIRMATION BEACON	EACH	2
88700200	LIGHT DETECTOR	EACH	1
89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	4
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502309	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	326
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
X0323372	VIDEO VEHICLE DETECTION, 2 CAMERAS	EACH	1
X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	1212
X8620200	UNINTERRUPTIBLE POWER SUPPLY, SPECIAL	EACH	1
X8803040	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED, RETROFIT	EACH	1
X8803084	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, RETROFIT	EACH	5
X8803088	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED, RETROFIT	EACH	3

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT		
ITEM	UNIT	TOTAL
TRAFFIC SIGNAL BACKPLATE	EACH	8
TRAFFIC SIGNAL POST	EACH	3
SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1



NOTE: FAR OUT LOOP DETECTORS TO BE DISCONNECTED AND LOOPS ABANDONED.

ADVANCE WARNING FLASHING BEACON OPERATION NOTE:

THE ADVANCE WARNING FLASHING BEACON OPERATION SHALL COMMENCE AT THE 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.

EMERGENCY VEHICLE PREEMPTION			
EMERGENCY VEHICLE PREEMPTOR	1	3	4
MOVEMENT	↑	↑	↑

EXISTING PREEMPTOR 1 = PUSH BUTTON ACTUATION FROM FIRE STATION IN NE QUADRANT

EMERGENCY VEHICLE PREEMPTION			
EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT	↑	↑	↑

PROPOSED PREEMPTOR 5 = PUSH BUTTON ACTUATION FROM FIRE STATION IN NE QUADRANT

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE

EXISTING EMERGENCY VEHICLE PREEMPTION PUSH BUTTON

RETROFIT TRAFFIC SIGNAL HEAD

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 SHOULDERS, MEDIANS, 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.

CONSTRUCTION NOTES:

- FLASHING BEACON WILL BE CONTROLLED BY TS2-TYPE 1 CONTROLLER USING LOGIC IN THE CONTROLLER AND A DEDICATED TS2 FLASHER.
- INSTALL UNINTERRUPTIBLE POWER SUPPLY.

DUPAGE COUNTY D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND. LED	% OPERATION	
SIGNAL (RED)	19	17	0.50	161.5
SIGNAL (YELLOW)	19	25	0.25	118.8
SIGNAL (GREEN)	19	15	0.25	71.3
ARROW	14	12	0.10	16.8
FLASHER	2	25	0.50	25.0
VIDEO DETECTION	1	75	1.00	75.0
CONTROLLER	1	100	1.00	100.0
LUMINAIRE	1	310	0.50	155.0
TOTAL =				723.3

FILE NAME =	USER NAME = #JSEIR#
P:\2012\120123\cad\phase 2\dup\120123-st-87th & Lemont-cable plan.dgn	
PLOT SCALE = 1/8"=1'-0"	
PLOT DATE = 2/6/2013	

DESIGNED - BF	REVISED - 02-06-13 HLR *
DRAWN - BF	REVISED -
CHECKED - JS	REVISED -
DATE - 12-13-12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR

PROPOSED CABLE PLAN & SEQUENCE OF OPERATIONS 87TH STREET & LEMONT ROAD

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-00232-06-SP	DUPAGE	22	15
HLR PROJECT NO. 12.0123.350		CONTRACT NO. 63777		
ILLINOIS FED. AID PROJECT				