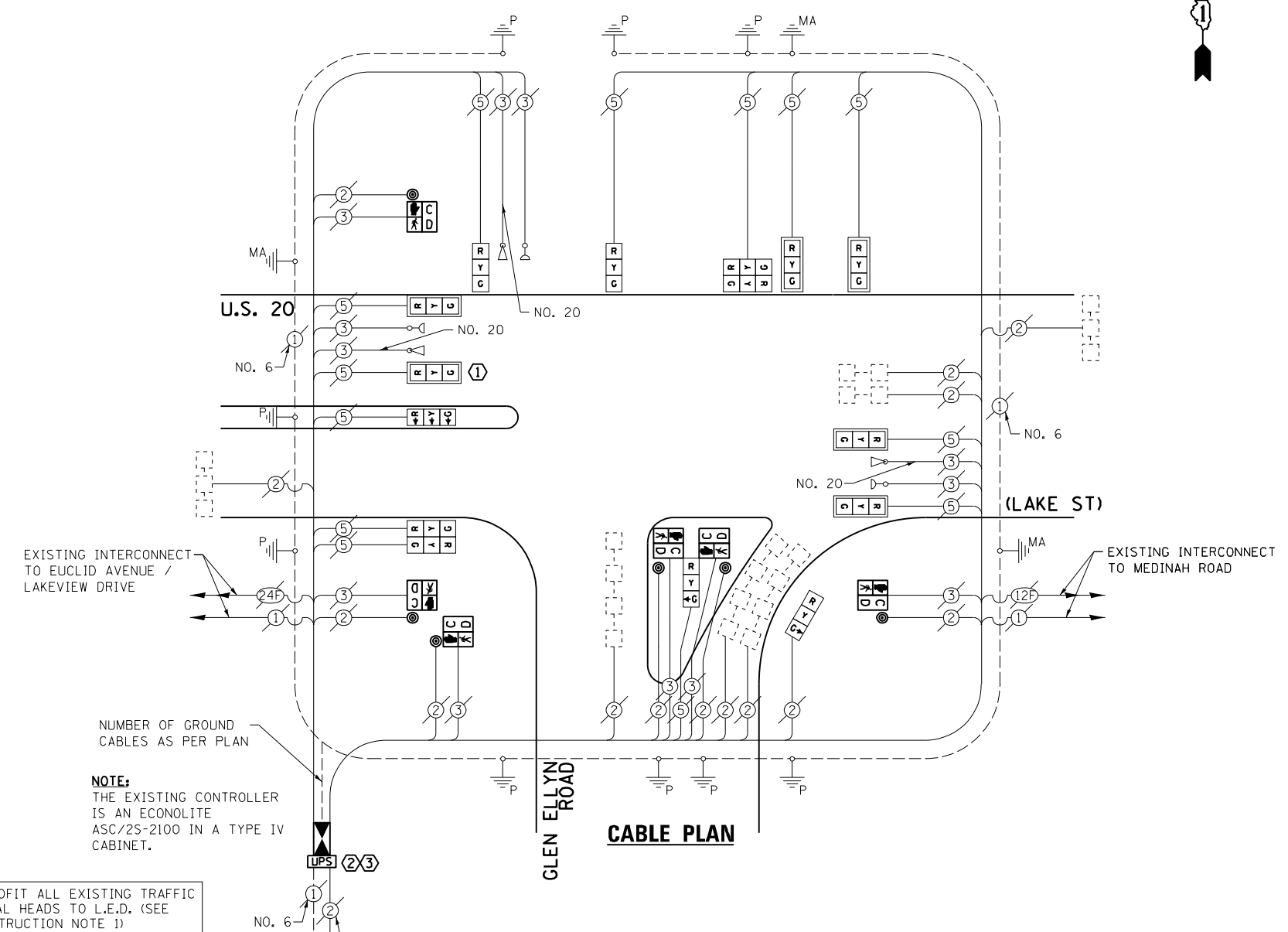


SCHEDULE OF QUANTITIES
U. S. 20 (LAKE ST) AT GLEN ELLYN ROAD

NO.	QUANT.	UNIT	DESCRIPTION
1.	1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2.	1	EACH	TRANSCEIVER - FIBER OPTIC
3.	1	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED
4.	6	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
5.	7	EACH	INDUCTIVE LOOP DETECTOR
6.	6	EACH	PEDESTRIAN PUSH-BUTTON
7.	1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
8.	1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
9.	1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
10.	5	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT
11.	5	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, RETROFIT
12.	2	EACH	SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT

- CONSTRUCTION NOTES:**
- REMOVE THE EXISTING PROGRAMMABLE TRAFFIC SIGNAL HEAD AND REPLACE WITH NEW SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED. REINSTALL EXISTING BACKPLATE AND REUSE ALL EXISTING CABLES.
 - ALL WORK TO CLEAR AWAY FOR INSTALLATION OF THE UPS SHALL BE INCLUDED IN THE COST OF THE PAY ITEM "UNINTERRUPTABLE POWER SUPPLY, SPECIAL."
 - RELOCATION OF THE EXISTING PHASING UNIT FOR THE EMERGENCY VEHICLE PRE-EMPTION SYSTEM IS TO BE INCLUDED IN THE COST OF THE PAY ITEM "FULL ACTUATED CONTROLLER AND CABINET OF THE TYPE SPECIFIED."

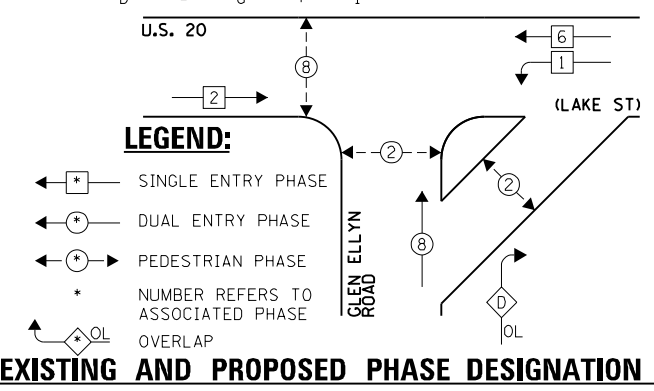


NOTE:
THE EXISTING CONTROLLER IS AN ECONOLITE ASC/25-2100 IN A TYPE IV CABINET.

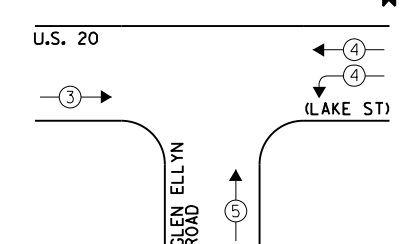
RETROFIT ALL EXISTING TRAFFIC SIGNAL HEADS TO L.E.D. (SEE CONSTRUCTION NOTE 1)

EXISTING AND PROPOSED CONTROLLER SEQUENCE

OVERLAP LETTER D = PERMISSIVE PHASE 8 + PROTECTED PHASE 1



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	→	↑

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- 1 EACH TRAFFIC SIGNAL HEAD, 1-FACE, 3-SECTION
- 6 EACH PEDESTRIAN SIGNAL HEAD, 1-FACE
- 6 EACH PEDESTRIAN PUSH-BUTTON

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE L.E.D.	OPERATION	
SIGNAL (RED)	15	135	17	0.50	127.5
SIGNAL (YELLOW)	15	135	25	0.25	93.75
SIGNAL (GREEN)	15	135	15	0.25	56.25
ARROW	-	135	12	0.10	-
PED. SIGNAL	6	90	25	1.00	150.0
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
TOTAL =					552.5

ENERGY COSTS - BILLED TO: VILLAGE OF BLOOMINGDALE (ADDRESS) 201 S. BLOOMINGDALE ROAD (ADDRESS) BLOOMINGDALE, IL 60104
ENERGY SUPPLY - CONTACT: JOE STACHO (PHONE: (630) 424-5704) COMPANY: CQM-ED

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

FILE NAME = 60V80-048-ts.dgn	USER NAME = zwallsten	DESIGNED - JRD	REVISED -
Default	PLOT SCALE = 1:200	DRAWN - ZCW	REVISED -
	PLOT DATE = 12/20/2012	CHECKED - KLB	REVISED -
		DATE - 12-20-12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQUENCE
U.S. 20 (LAKE ST) AT GLEN ELLYN ROAD

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A. RTÉ. VARIES	SECTION 2012-070 I	COUNTY DuPAGE	TOTAL SHEETS 103	SHEET NO. 48
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60V80	