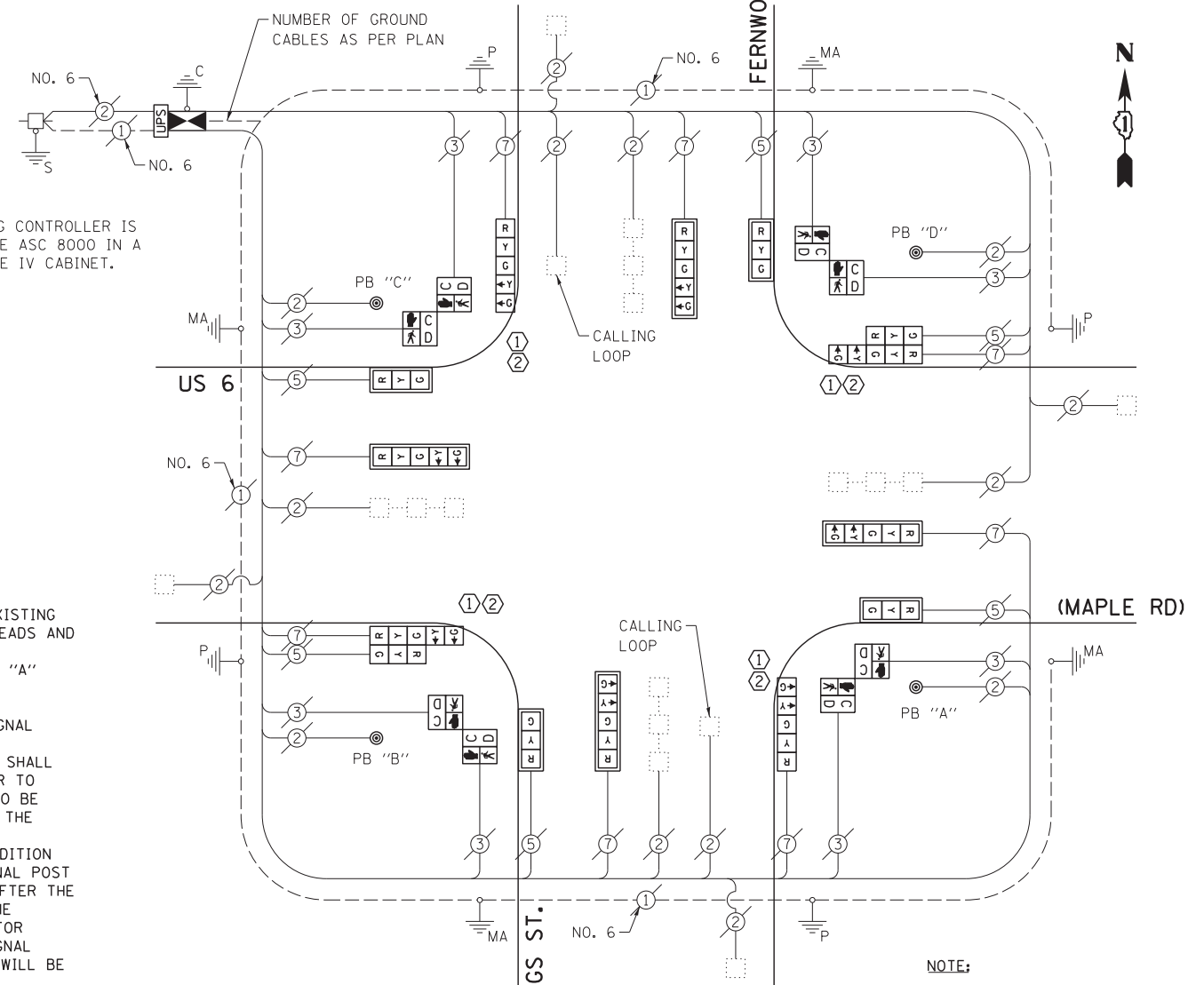


SCHEDULE OF QUANTITIES  
U.S. 6 (MAPLE RD) AT BRIGGS STREET / FERNWOOD AVENUE

NO.	QUANT.	UNIT	DESCRIPTION
1.	1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2.	1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET
3.	4	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
4.	4	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED
5.	2	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED
6.	4	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED
7.	2	EACH	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
8.	4	EACH	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
9.	8	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
10.	10	EACH	INDUCTIVE LOOP DETECTOR
11.	1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
12.	1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
13.	4	EACH	PEDESTRIAN PUSH-BUTTON, NON-LATCHING



**NOTE:**  
THE EXISTING CONTROLLER IS AN ECONOLITE ASC 8000 IN A PAINTED TYPE IV CABINET.

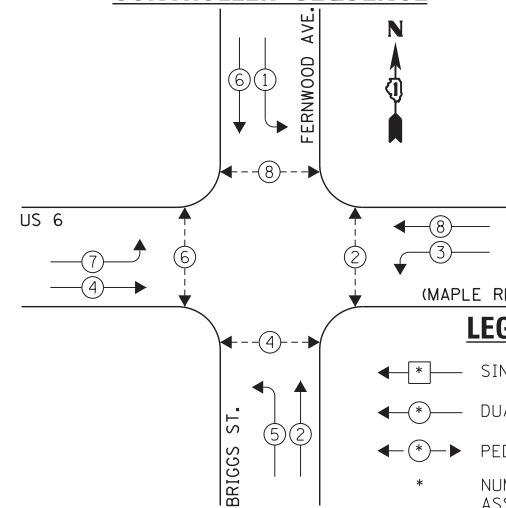
**CONSTRUCTION NOTE:**

- ① REMOVE EXISTING SIGNAL HEADS AND REPLACE EXISTING 16 FOOT PAINTED POST. INSTALL NEW SIGNAL HEADS AND NEW PEDESTRIAN SIGNAL HEADS ON NEW 16 FOOT GALVANIZED STEEL POST. REUSE EXISTING TYPE "A" CONCRETE FOUNDATION AND EXISTING CABLES.
- ② AT LOCATIONS ON THE PLANS WHERE TRAFFIC SIGNAL POST REMOVAL AND NEW TRAFFIC SIGNAL POST INSTALLATIONS ARE SPECIFIED, THE CONTRACTOR SHALL INSPECT THE EXISTING POST FOUNDATIONS. PRIOR TO REMOVING THE EXISTING TRAFFIC SIGNAL POST TO BE REPLACED, THE CONTRACTOR SHALL VERIFY THAT THE EXISTING CONDITION OF THE ANCHOR BOLT IS ACCEPTABLE. IF THE EXISTING ANCHOR BOLT CONDITION IS NOT ACCEPTABLE, THE EXISTING TRAFFIC SIGNAL POST SHALL REMAIN IN PLACE AND NOT BE REMOVED AFTER THE CONTRACTOR HAS VERIFIED THE CONDITION OF THE ANCHOR BOLT WITH THE ENGINEER. THE CONTRACTOR SHALL BE PAID FOR THE NUMBER OF TRAFFIC SIGNAL POSTS INSTALLED AND NO OTHER COMPENSATION WILL BE PROVIDED.

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 CABINET (COMPLETE)
- 4 EACH TRAFFIC SIGNAL HEAD, 1-FACE, 3-SECTION
- 6 EACH TRAFFIC SIGNAL HEAD, 1-FACE, 5-SECTION
- 2 EACH TRAFFIC SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTION
- 8 EACH TRAFFIC SIGNAL BACKPLATE
- 4 EACH TRAFFIC SIGNAL POST
- 8 EACH PEDESTRIAN SIGNAL HEAD
- 4 EACH PEDESTRIAN PUSH-BUTTON

**EXISTING AND PROPOSED CONTROLLER SEQUENCE**



**LEGEND:**

- ← \* → SINGLE ENTRY PHASE
- ← \* → DUAL ENTRY PHASE
- ← \* → PEDESTRIAN PHASE
- \* NUMBER REFERS TO ASSOCIATED PHASE
- ← \* → OL OVERLAP

**NOTE:**

- PUSH BUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4.
- PUSH BUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6.
- PUSH BUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8.
- PUSH BUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8.

**EXISTING AND PROPOSED PHASE DESIGNATION DIAGRAM**

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND. L.E.D.	OPERATION	
SIGNAL (RED)	14	135 17	0.50	119.0
SIGNAL (YELLOW)	14	135 25	0.25	87.5
SIGNAL (GREEN)	14	135 15	0.25	52.5
ARROW	16	135 12	0.10	19.2
PED. SIGNAL	8	90 25	1.00	200.0
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 =				603.2

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION  
(ADDRESS) 201 W. CENTER COURT  
(ADDRESS) SCHAUMBURG, IL 60196-1096  
ENERGY SUPPLY - CONTACT: TIM COSLET  
PHONE: 815-724-5010  
COMPANY: COMED - JOLIET

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "NTCIP" COMPLIANT.

FILE NAME = 60W21-085-US6Maple Rd@Briggs St-Fernwood Ave.dgn	USER NAME = gwhitten	DESIGNED - JRD	REVISED -
60W21-085	PLOT SCALE = 1:20	DRAWN - GW3	REVISED -
	PLOT DATE = 3/28/2013	CHECKED - KLB	REVISED -
		DATE - 03-28-13	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN & PHASE DESIGNATION DIAGRAM  
US 6 (MAPLE RD) AT BRIGGS STREET / FERNWOOD AVENUE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2013-003-I	WILL	89	85
CONTRACT NO. 60W21				
ILLINOIS FED. AID PROJECT				