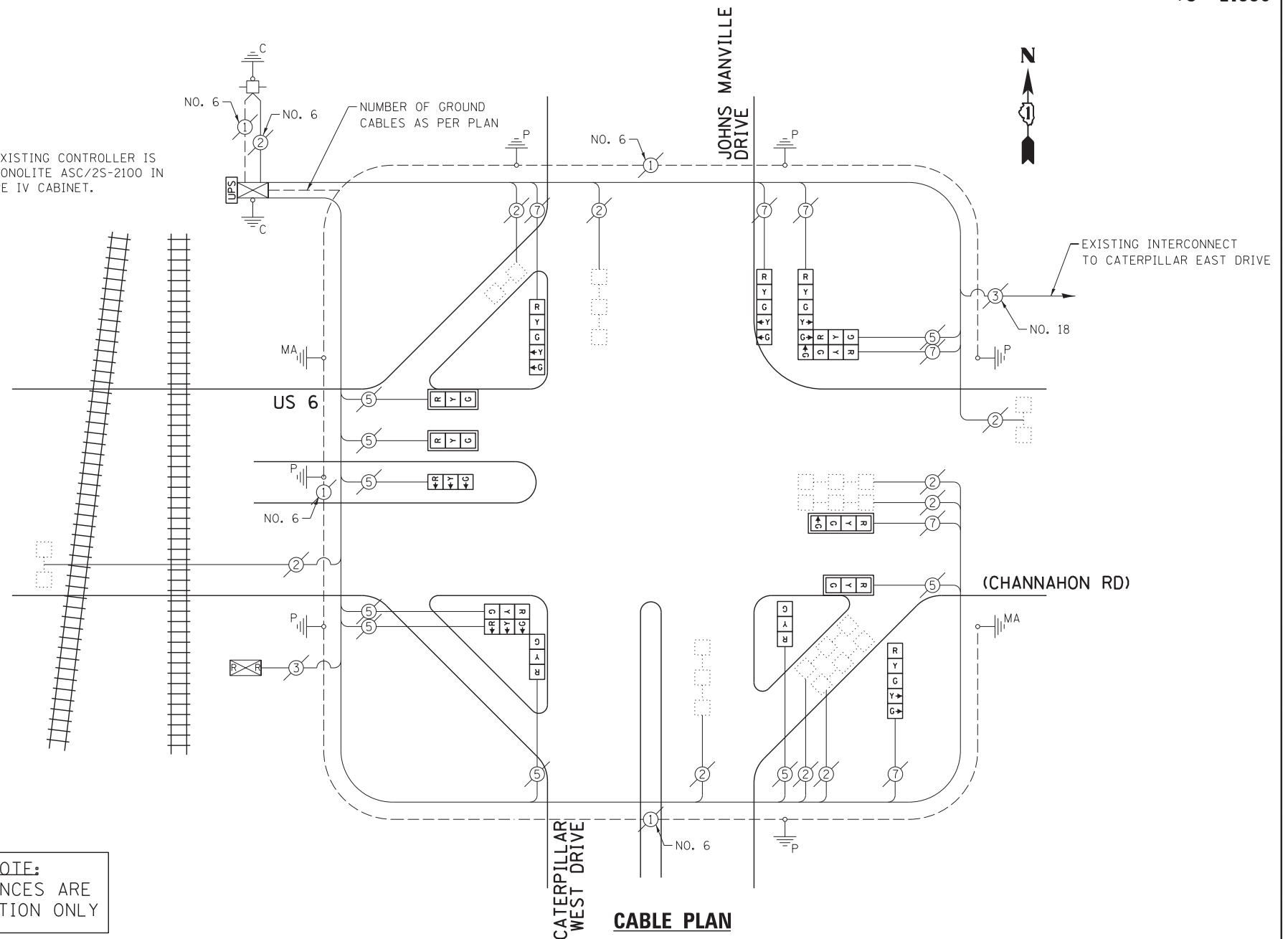


SCHEDULE OF QUANTITIES

U.S. 6 (CHANNAHON RD) AT CATERPILLAR WEST DRIVE / JOHNS MANVILLE DRIVE

NO. QUANT.	UNIT	DESCRIPTION
1.	1 EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2.	3 EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED
3.	2 EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED
4.	1 EACH	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED
5.	3 EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED
6.	1 EACH	SIGNAL HEAD, LED, 3-FACE, 3-SECTION, BRACKET MOUNTED
7.	4 EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
8.	1 EACH	MODIFY EXISTING CONTROLLER CABINET
9.	1 EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
10.	1 EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL

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



CABLE PLAN

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.

- 6 EACH TRAFFIC SIGNAL HEAD, 1-FACE, 3-SECTION
- 1 EACH TRAFFIC SIGNAL HEAD, 1-FACE, 4-SECTION
- 3 EACH TRAFFIC SIGNAL HEAD, 1-FACE, 5-SECTION
- 1 EACH TRAFFIC SIGNAL HEAD, 3-FACE, 3-SECTION
- 1 EACH TRAFFIC SIGNAL HEAD, 3-FACE, 1-3 SECTION, 1-4 SECTION, 1-5 SECTION
- 4 EACH TRAFFIC SIGNAL BACKPLATE

IMPORTANT NOTE:
CHART SEQUENCES ARE FOR INFORMATION ONLY

EXISTING SEQUENCE OF OPERATIONS		MOVEMENT												FLASH				
MOVEMENT		1+6	2+6	3+8	4+8	1+6	2+6	3+8	4+8	1+6	2+6	3+8	4+8					
PHASE		1+6	2+6	3+8	4+8	1+6	2+6	3+8	4+8	1+6	2+6	3+8	4+8					
INTERVAL		1	2A	2B	3	4A	4B	5A	5B	6	7A	7B	8A	8B	9	10	11A	11B
CHANGE TO		2+6	3+8	4+8	1+6	1+6	2+6	4+8	1+6	2+6								
U.S. RTE. 6	E/B	R	R	R	G	Y	R	Y	R	R	R	F	R	R	R	R	R	R
U.S. RTE. 6	E/B	R	R	R	G	Y	R	Y	R	R	R	F	R	R	R	R	R	R
U.S. RTE. 6	W/B	G	G	G	G	Y	R	G	G	R	R	F	R	R	R	R	R	R
U.S. RTE. 6	W/B	<G	<Y	<R	<R	<R	<R	<R	<R	<R	<R	<R	<R	<R	<R	<R	<R	<R
U.S. RTE. 6	N/B	R	R	R	R	R	R	R	R	G	Y	F	R	G	G	Y	R	R
U.S. RTE. 6	S/B	R	R	R	R	R	R	R	R	<G	Y	F	Y	R	G	<Y	R	R

NOTE: PHASE 2 AND 6 SHALL BE ON RECALL

EXISTING RAILROAD PREEMPTION SEQUENCE OF OPERATION												PREEMPTOR NUMBER 2				
OPERATION	1A	1B	1C	1D	1E	1F	1G	1H	2	3	4	5	CLEAR TO NORMAL SEQUENCE			
CHANGE FROM NORMAL SEQUENCE OF OPERATIONS INTERVAL NUMBER																
RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	2	3	4	5				
CHANGE TO RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1B	2	1D	2	1F	2	1H	2	3	4	5					
U.S. RTE. 6	E/B	R	R	G	G	F	R	R	G	Y	R	R	△			
U.S. RTE. 6	E/B	R	R	G	G	F	R	R	G	Y	R	R	△			
U.S. RTE. 6	W/B	Y	R	R	R	F	R	R	R	F	R	R	△			
U.S. RTE. 6	W/B	<Y	<R	<R	<R	<R	<R	<R	<R	<R	<R	<R	△			
U.S. RTE. 6	N/B	Y	R	R	R	Y	R	Y	R	R	R	G	△			
U.S. RTE. 6	N/B	R	R	R	R	Y	R	Y	R	R	R	G	△			
U.S. RTE. 6	S/B	R	R	R	R	F	R	Y	R	R	R	G	△			

△ RAILROAD PREEMPTION SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY AN EMERGENCY VEHICLE INTERVAL (IF APPLICABLE) AFTER RAILROAD

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE	
TYPE	NO. LAMPS	INCAND.	L.E.D.		
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	8	135	12	0.10	9.6
PED. SIGNAL	-	90	25	1.00	-
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 =					412.1

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

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

FILE NAME = 60W21-082-US6(Channahon Rd)@Caterpillar	USER NAME = gwhitten	DESIGNED - JRD	REVISED -
Dr-Johns M.dgn		DRAWN - GW3	REVISED -
PLOT SCALE = 1:20		CHECKED - KLB	REVISED -
PLOT DATE = 3/28/2013		DATE - 03-28-13	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, SEQUENCE OF OPERATIONS & RAILROAD SEQUENCE OF OPERATIONS
US 6 (CHANNAHON RD) AT CATERPILLAR WEST DR /JOHNS MANVILLE DR

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2013-003-I	WILL	89	82
CONTRACT NO. 60W21				