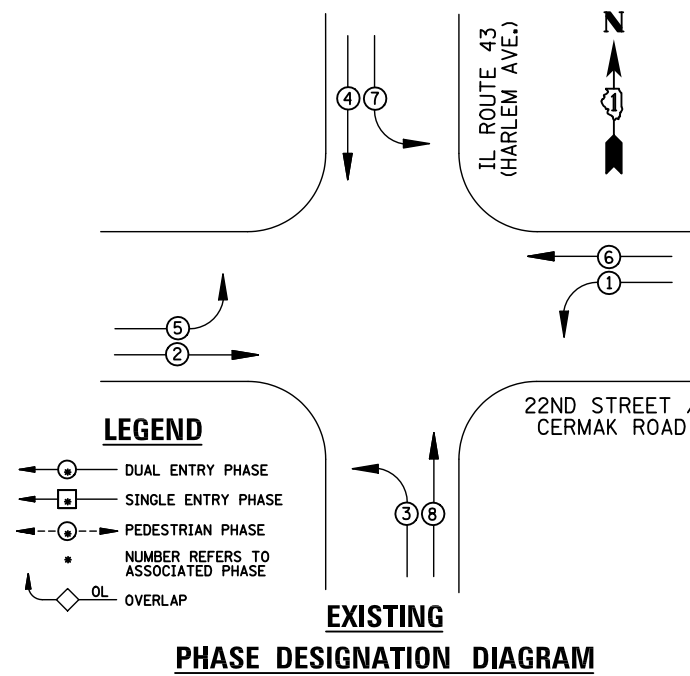
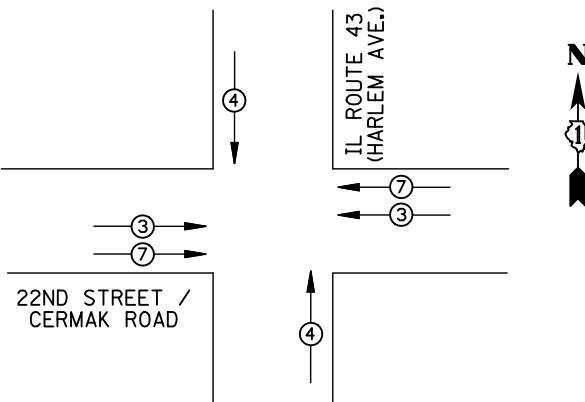


**EXISTING CONTROLLER SEQUENCE**



**EXISTING PHASE DESIGNATION DIAGRAM**



PREEMPTORS				
PREEMPTOR	3	4	7	
MOVEMENT	←→	↑↓	←→	

**EXISTING EMERGENCY VEHICLE AND BUS PREEMPTION SEQUENCE**

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	%OPERATION	TOTAL WATTAGE
SIGNAL (RED)	18	135	17	0.50	153
(YELLOW)	18	135	25	0.25	112.5
(GREEN)	18	135	15	0.25	67.5
ARROW	16	135	12	0.10	19.2
PED. SIGNAL		90	25	1.00	
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		84	100	0.50	
FLASHER		135	25	0.50	
ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, IL 60196-1096					TOTAL = 452.2
ENERGY SUPPLY CONTACT: X					
PHONE: X					
COMPANY: X					

**REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT**

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.

- 3 EACH TRAFFIC SIGNAL POST

- 3 REPLACE 16 FT. PAINTED POST, RE-USE EXISTING TYPE A CONCRETE FOUNDATION (SEE GENERAL NOTES)

**SCHEDULE OF QUANTITIES**

**ITEM**

MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION  
 TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.  
 MODIFY EXISTING CONTROLLER CABINET  
 REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT  
 UNINTERRUPTABLE POWER SUPPLY, SPECIAL

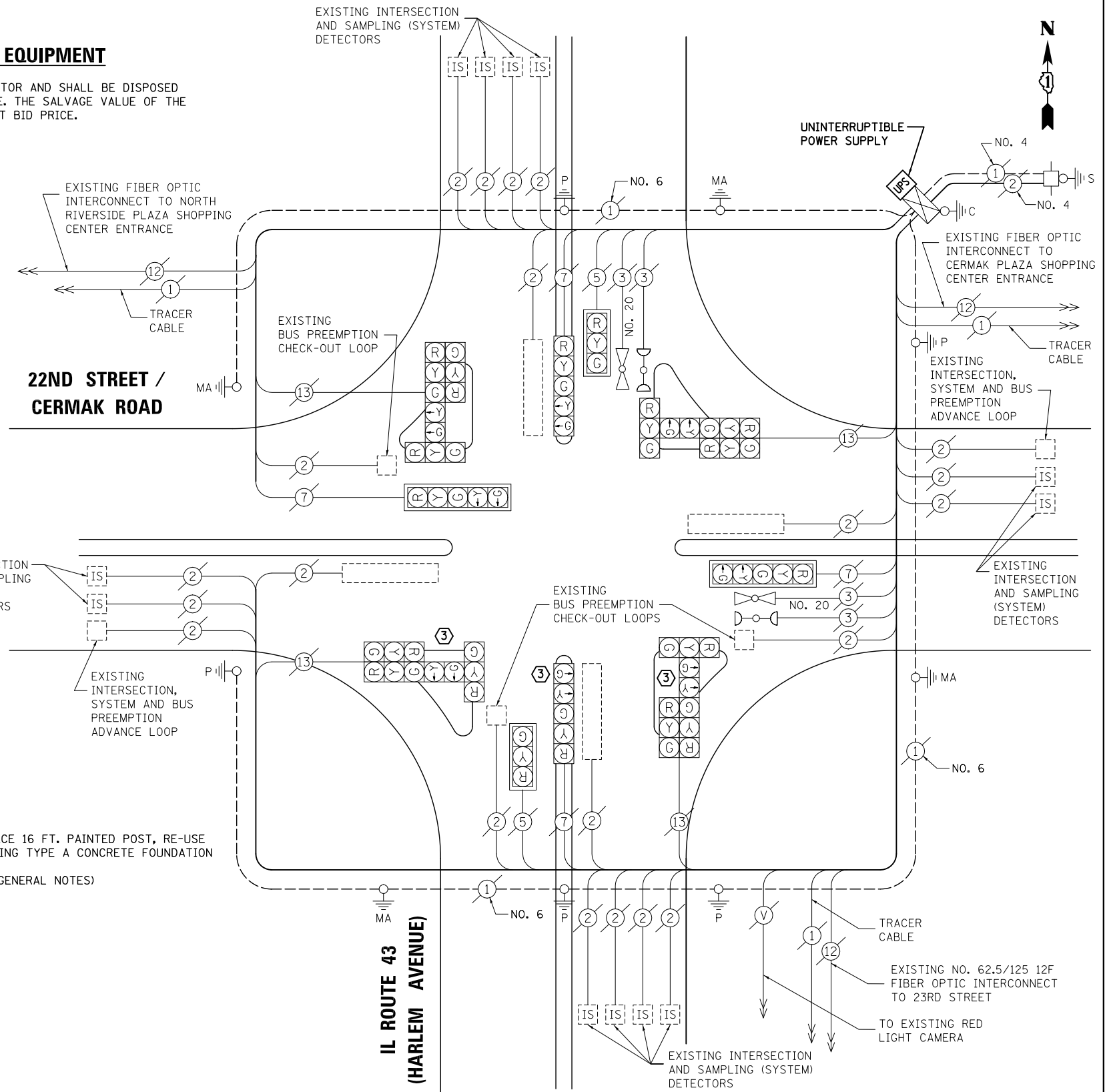
**UNIT QUANTITY**

EACH 1  
 EACH 3  
 EACH 1  
 EACH 1  
 EACH 1

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

DESIGNED - BPT	REVISED -
DRAWN - JGC/RDS	REVISED -
CHECKED - BPT	REVISED -
DATE - 12-04-13	REVISED -

EXISTING INTERSECTION AND SAMPLING (SYSTEM) DETECTORS



**CABLE PLAN**

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

**SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION IL ROUTE 43 (HARLEM AVENUE) AT 22ND STREET / CERMAK ROAD**

SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

PREPARED BY: **CEMCON, Ltd.**  
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2013-054TS	COOK	92	17
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X29	

TS# 2280 BERWYN