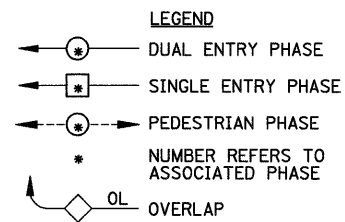
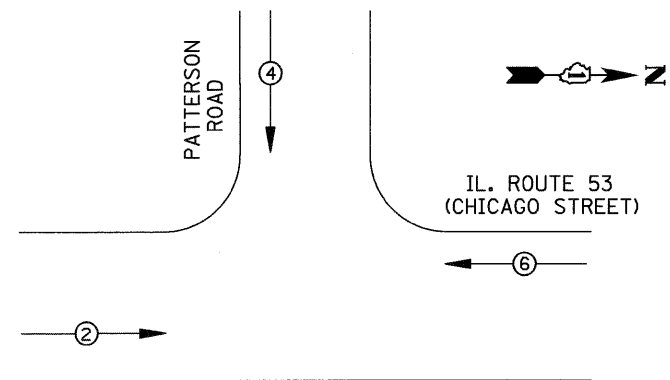
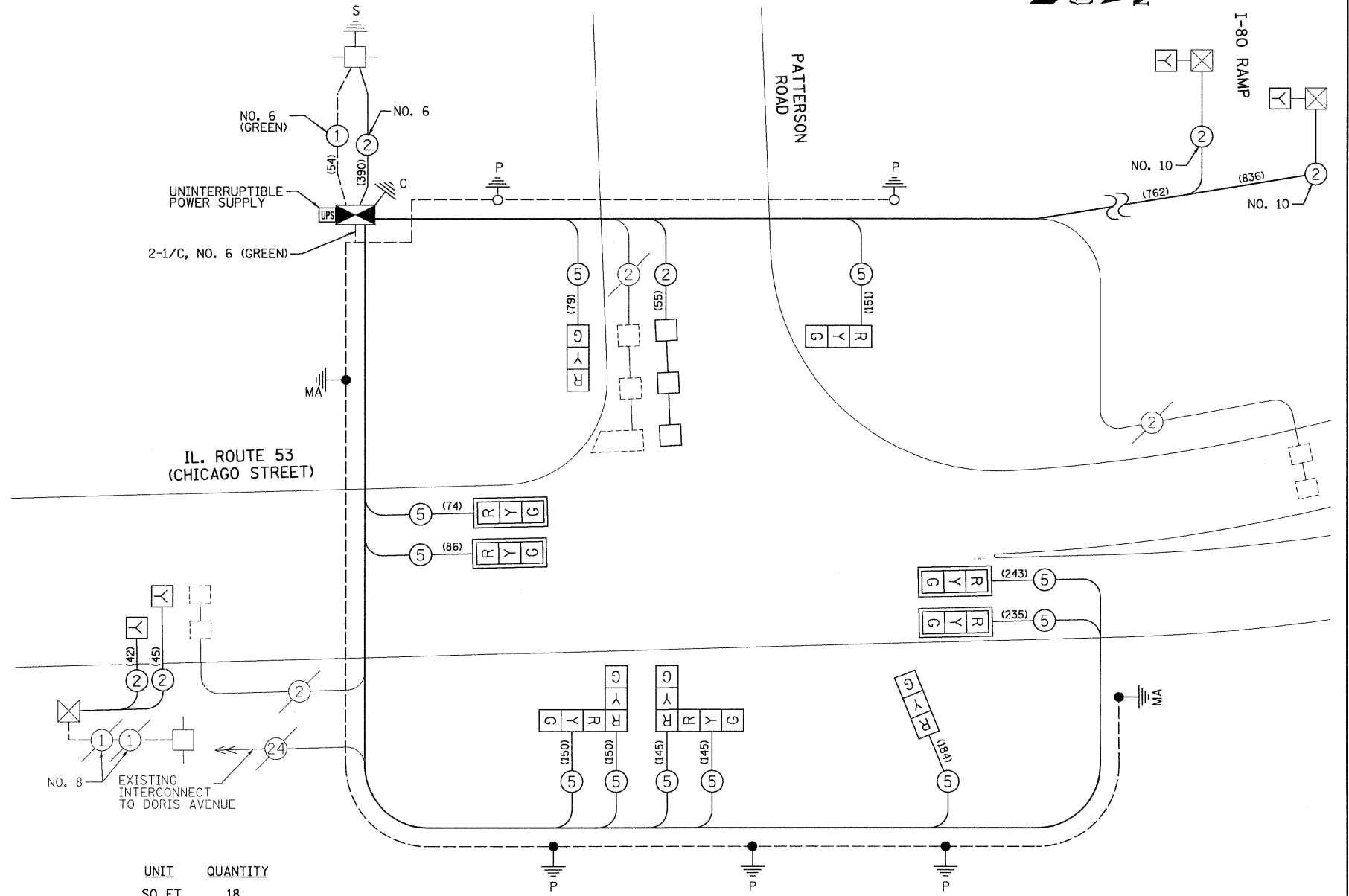


CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM



CABLE PLAN

**NOTE:**  
 (XXX) DENOTES CABLE LENGTH TO CONTROLLER CABINET WITH SLACK CABLE.

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
SIGN PANEL, TYPE 1	SO FT	18
REMOVE SIGN PANEL- TYPE 1	SO FT	18
THERMOPLASTIC PAVEMENT MARKING- LINE 24"	FOOT	81
THERMOPLASTIC PAVEMENT MARKING REMOVAL	FOOT	50
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	62
CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	90
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	152
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTIBLE POWER SUPPLY	EACH	1
TRANSCIEVER-FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	86
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1642
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	55
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	54
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	390
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	3
STEEL MAST ARM ASSEMBLY AND POLE, 22 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 26 FT.	EACH	1
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	13.5
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	13.5
DRILL EXISTING HANDHOLE	EACH	8
SIGNAL HEAD, LED, 1-FACE, 1-SECTION, MAST-ARM MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 1-SECTION, POST MOUNTED	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	6
INDUCTIVE LOOP DETECTOR	EACH	4
DETECTOR LOOP, TYPE 1	FOOT	124
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	3303
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	3
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM - LEVEL I	EACH	3
ELECTRIC CABLE IN CONDUIT NO. 10 2/C	FOOT	1597

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE	
TYPE	NO. LAMPS	WATTAGE		%OPERATION		
SIGNAL (RED)	11	135	17	0.50	93.5	
	(YELLOW)	11	135	25	0.25	68.75
	(GREEN)	11	135	15	0.25	41.25
ARROW		135	12	0.10		
PED. SIGNAL		90	25	1.00		
CONTROLLER	1	100	100	1.00	100	
ILLUM. SIGN		84		0.05		
FLASHER	2	135	25	0.50	25.0	
ENERGY COSTS TO:				TOTAL =	328.5	

ENERGY SUPPLY CONTACT: \_\_\_\_\_  
 PHONE: \_\_\_\_\_  
 COMPANY: COMED

FILE NAME = \_\_\_\_\_ USER NAME = JGC  
 \MICROST\352090\ RT53PATRSN CAB.DGN  
 DESIGNED - KK  
 DRAWN - JGC  
 CHECKED - BPT  
 DATE - 6-20-11

REVISIONS:  
 REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

PLOT SCALE = 1"=20'  
 PLOT DATE = 6-20-11

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN  
 AND PHASE DESIGNATION DIAGRAM  
 IL 53 (CHICAGO STREET)/U.S. 52 AT PATTERSON ROAD

PREPARED BY:  
**CEMCON, Ltd.**  
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 Aurora, Illinois 60504-9675  
 Ph: 630.862.2100 Fax: 630.862.2199  
 E-Mail: cadd@cemcon.com Website: www.cemcon.com

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	2010-085-TS	WILL	28	15
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60L80	

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