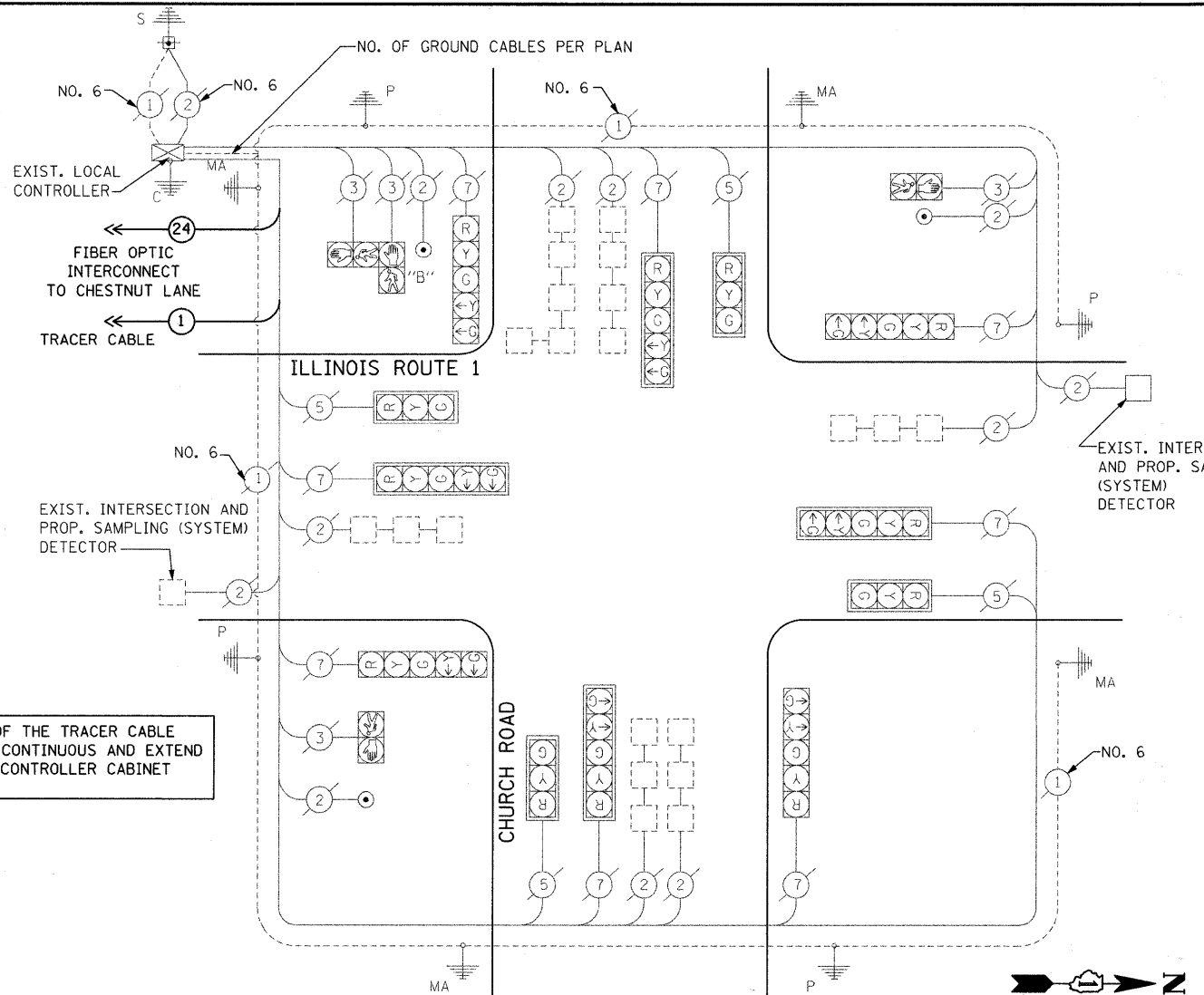


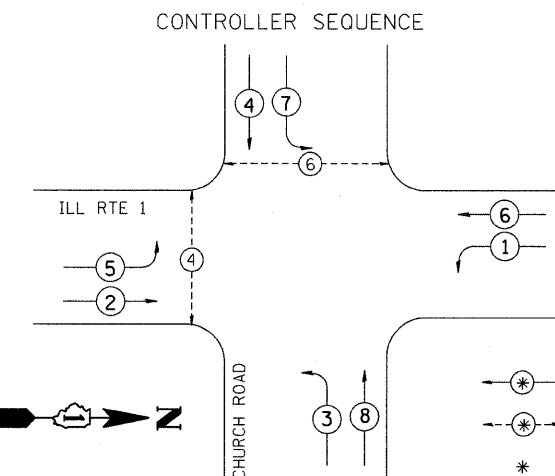
SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QUANTITY
TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	0.25
TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	0.25
TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	0.25
TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	0.25
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1



CABLE PLAN LEGEND

EXISTING	PROPOSED	DESCRIPTION
[Symbol]	[Symbol]	8" (200mm) TRAFFIC SIGNAL SECTION
[Symbol]	[Symbol]	12" (300mm) TRAFFIC SIGNAL SECTION
[Symbol]	[Symbol]	12" (300mm) PEDESTRIAN SIGNAL SECTION (LETTERS)
[Symbol]	[Symbol]	12" (300mm) PEDESTRIAN SIGNAL SECTION (SYMBOLS)
[Symbol]	[Symbol]	CONTROLLER CABINET
[Symbol]	[Symbol]	SERVICE INSTALLATION
[Symbol]	[Symbol]	TELEPHONE INSTALLATION
[Symbol]	[Symbol]	VEHICLE DETECTOR, INDUCTIVE LOOP
[Symbol]	[Symbol]	MAGNETIC DETECTOR
[Symbol]	[Symbol]	EMERGENCY VEHICLE LIGHT DETECTOR
[Symbol]	[Symbol]	CONFIRMATION BEACON
[Symbol]	[Symbol]	PUSHBUTTON DETECTOR
[Symbol]	[Symbol]	2 DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
[Symbol]	[Symbol]	1 GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
[Symbol]	[Symbol]	24 FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 2-MM12F SM12F
[Symbol]	[Symbol]	SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD.
[Symbol]	[Symbol]	RAILROAD CONTROL CABINET
[Symbol]	[Symbol]	ILLUMINATED SIGN, "NO LEFT TURN"
[Symbol]	[Symbol]	ILLUMINATED SIGN, "NO RIGHT TURN"
[Symbol]	[Symbol]	GROUND CABLE ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C)
[Symbol]	[Symbol]	GROUND ROD AT POST (P) OR MAST ARM POLE (MA)
[Symbol]	[Symbol]	GROUND ROD AT ELECTRIC SERVICE INSTALLATION



PHASE DESIGNATION DIAGRAM

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (1.0)
D - CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20'+L-2= (6m+L-0.6m)
E - M. ARM POLE	24" (600 mm)	SIGNAL POST	2 (1.0)	BRACKET MOUNTED	13 (4.0)
	30" (750 mm)	CONTROLLER CAB.	1 (0.5)	PED. PUSHBUTTON	4 (1.2)
	36" (900 mm)	FIBER OPTIC	13 (4.0)	ELECTRICAL SERVICE	13.5 (4.1)
		ELECTRIC SERVICE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
		GROUND CABLE	1 (0.5)	POST MOUNTED	6 (1.8)

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		%OPERATION	
SIGNAL (RED)	12	135	LED	0.50	810
(YELLOW)	12	135		0.25	405
(GREEN)	12	135		0.25	405
ARROW	12	135		0.10	162
PED. SIGNAL	4	90		1.00	360
CONTROLLER	1	100		1.00	100
ILLUM. SIGN		252		0.05	0

FLASHER 1 0.50 0

ENERGY COSTS TO: TOTAL = 2,242

ILLINOIS DEPARTMENT OF TRANSPORTATION  
201 WEST CENTER COURT  
SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY CONTACT: CHIP KREGEL  
PHONE: 708-253-2238  
COMPANY: COMMONWEALTH EDISON



USER NAME = odamm	DESIGNED -	REVISED -
PLOT SCALE = 20,0000' / IN.	DRAWN -	REVISED -
PLOT DATE = 10/27/2009	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM  
IL ROUTE 1 (DIXIE HIGHWAY) AND CHURCH ROAD

SCALE: AS SHOWN SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0332	06-00015-00-TL	WILL	31	12
CONTRACT NO. 83909			ILLINOIS FED. AID PROJECT	

FILE NAME = s:\1\05080-0001\050801\003\micro\cable\cable plan - church.dgn