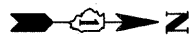
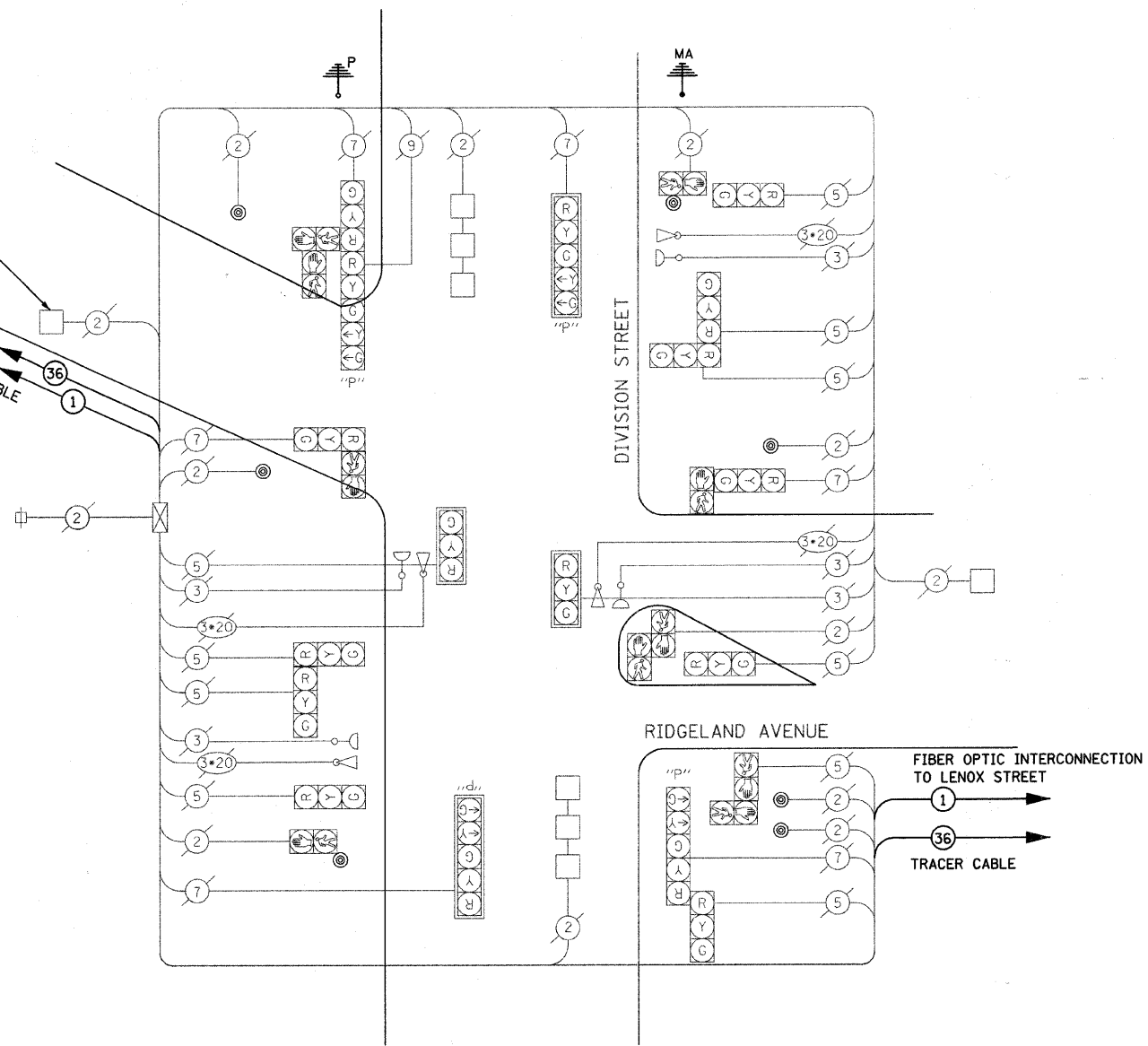


ITEM	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
MODIFY EXISTING CONTROLLER	EACH	1



INTERSECTION AND SAMPLING (SYSTEM) DETECTOR (TYP.)
 FIBER OPTIC INTERCONNECTION TO AUGUSTA STREET
 TRACER CABLE



CABLE PLAN LEGEND

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

ALL TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET (TYP.)

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		%OPERATION	
SIGNAL (RED)	17	INCAND.	17	0.50	145
(YELLOW)	17		25	0.25	106
(GREEN)	17		15	0.25	64
ARROW	8		12	0.10	10
PED. SIGNAL	10		25	1.00	250
CONTROLLER	1		100	1.00	100
ILLUM. SIGN				0.05	0

FLASHER	4			0.50	0
ENERGY COSTS TO:					TOTAL = 675

VILLAGE OF OAK PARK

ENERGY SUPPLY CONTACT:
 PHONE:
 COMPANY: Commonwealth Edison

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		SIGNAL POST	2 (1.0)		
30" (750 mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	BRACKET MOUNTED	13 (4.0)
36" (900 mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	PED. PUSHBUTTON	4 (1.2)
		ELECTRIC SERVICE	1 (0.5)	ELECTRICAL SERVICE	13.5 (4.1)
		GROUND CABLE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
				POST MOUNTED	6 (1.8)



USER NAME = adamm
 DESIGNED -
 DRAWN -
 CHECKED -
 PLOT SCALE = 20,000 / IN.
 PLOT DATE = 5/26/2009

REVISOR -
 REVISION -
 REVISION -
 REVISION -
 DATE -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CABLE PLAN
 RIDGELAND AVENUE & DIVISION STREET
 SCALE: AS SHOWN SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1412	07-00245-00-TL	COOK	64	39
CONTRACT NO. 63112				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				