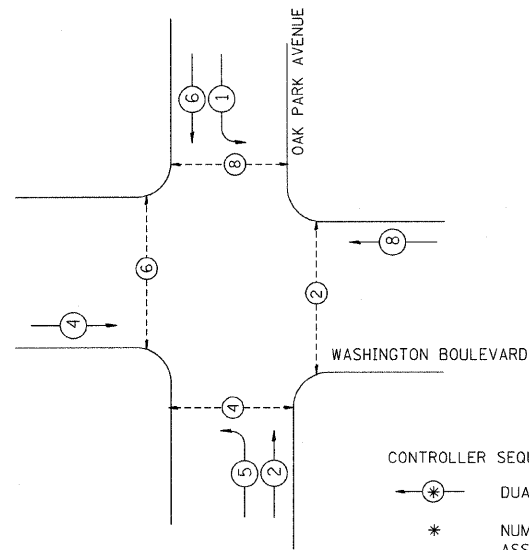
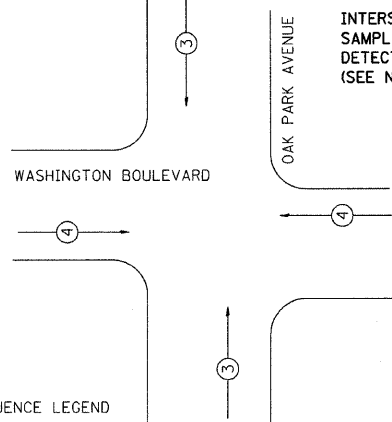


ITEM	UNIT	QUANTITY
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	409
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	710
DETECTOR LOOP, TYPE 1	FOOT	68
DRILL EXISTING HANDHOLE	EACH	2
HANDHOLE	EACH	2
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	290

EXISTING CONTROLLER SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTION DIAGRAM



CONTROLLER SEQUENCE LEGEND

- ⊕ DUAL ENTRY PHASE
- * NUMBER REFERS TO ASSOCIATED PHASE
- ⊖ PEDESTRIAN PHASE

PHASE DESIGNATION DIAGRAM

(DRAWING NOT TO SCALE)

EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	↓	↔

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE		%OPERATION	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	12		17	0.50	102
(YELLOW)	12		25	0.25	75
(GREEN)	12		15	0.25	45
ARROW	8		12	0.10	9.6
PED. SIGNAL	8		25	1.00	200
CONTROLLER	1		100	1.00	100
ILLUM. SIGN				0.05	0
FLASHER	1			0.50	0

ENERGY COSTS TO:		TOTAL =
		532

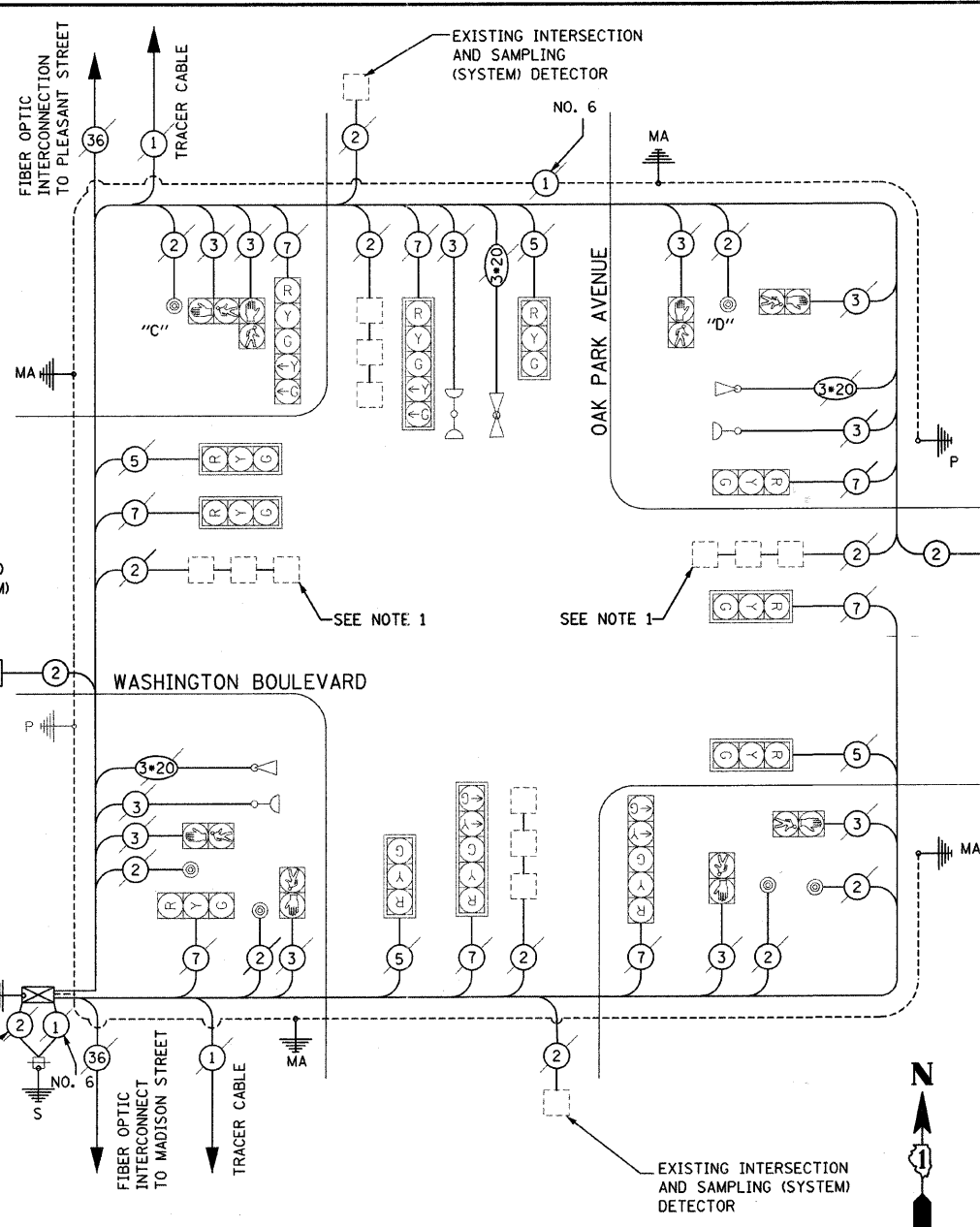
VILLAGE OF OAK PARK

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'-H-2'
E - M. ARM POLE		SIGNAL POST	2 (1.0)		(6m+L-0.6m)
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)



CABLE PLAN LEGEND

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

- NOTES:
- THE CONTRACTOR SHALL DISCONNECT THE EXISTING UPTIGHT LOOPS ALONG WASHINGTON BOULEVARD.
 - THE CONTRACTOR SHALL CONNECT THE PROPOSED SAMPLING LOOP DETECTOR CABLE TO THE EXISTING INDUCTOR LOOP DETECTOR UNLESS OTHERWISE DIRECTED BY THE ENGINEER.



USER NAME = adam

DESIGNED -

DRAWN -

CHECKED -

DATE -

REVISED -

REVISED -

REVISED -

REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN
WASHINGTON BOULEVARD & OAK PARK AVENUE

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	9	64
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63112	