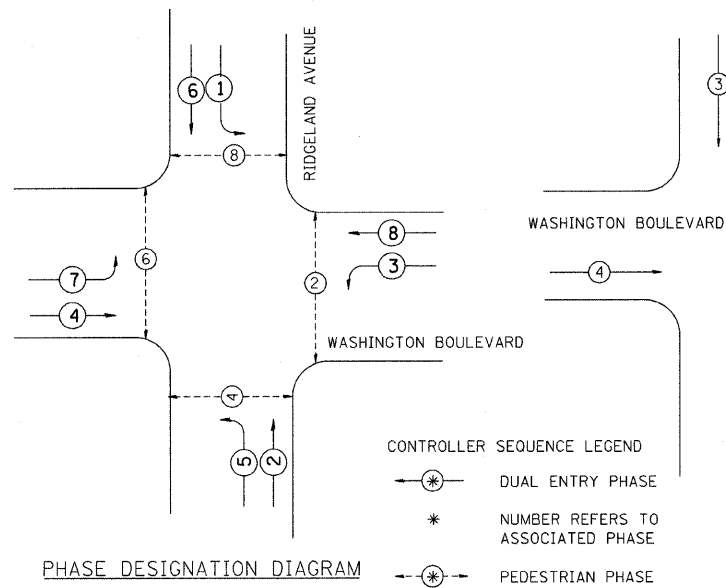
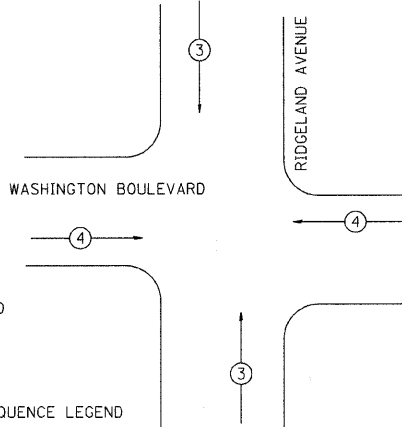


ITEM	UNIT	QUANTITY
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	502
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD IN, NO. 14, 1 PAIR	FOOT	737
DETECTOR LOOP, TYPE 1	FOOT	68
DRILL EXISTING HANDHOLE	EACH	4
HANDHOLE	EACH	2
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	85
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	232

EXISTING CONTROLLER SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTION DIAGRAM



CONTROLLER SEQUENCE LEGEND

- DUAL ENTRY PHASE
- NUMBER REFERS TO ASSOCIATED PHASE
- PEDESTRIAN PHASE

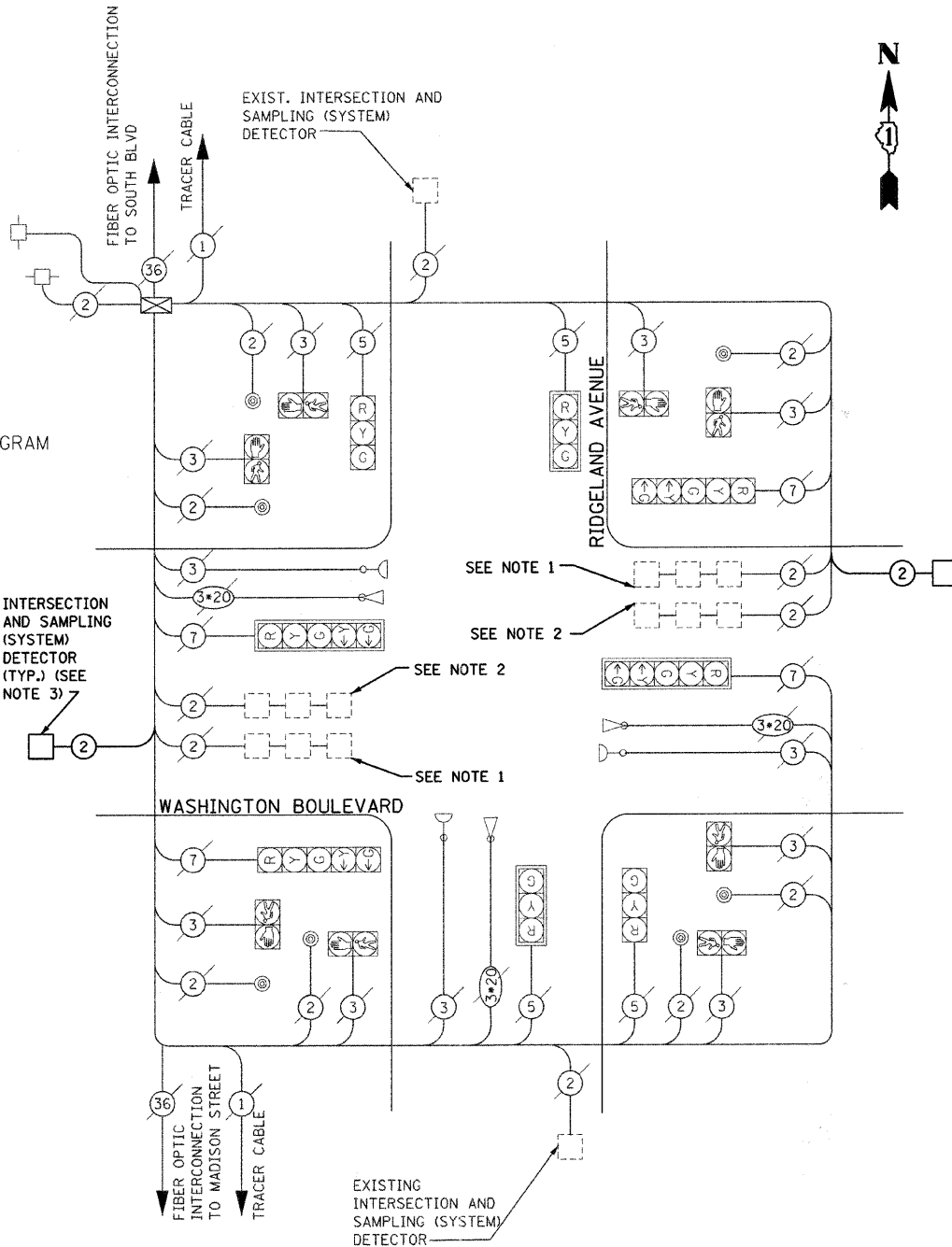
(DRAWING NOT TO SCALE)

EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	↑	←

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND. LED	%OPERATION		
SIGNAL (RED)	8	17	0.50	68	
(YELLOW)	8	25	0.25	50	
(GREEN)	8	15	0.25	30	
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	3		0.50	0	

ENERGY COSTS TO:	TOTAL =	458
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'
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)



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

- NOTE:**
- THE CONTRACTOR SHALL DISCONNECT THE EXISTING UPTIGHT DETECTOR LOOPS ALONG WASHINGTON BOULEVARD.
 - EXISTING DETECTOR LOOPS INSTALLED IN THE LEFT TURN LANE SHALL REMAIN.
 - THE CONTRACTOR SHALL CONNECT THE PROPOSED SAMPLING LOOP DETECTOR CABLE TO THE EXISTING INDUCTOR LOOP DETECTOR UNLESS OTHERWISE DIRECTED BY THE ENGINEER.



USER NAME =	adamn
DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CABLE PLAN			
WASHINGTON BOULEVARD & RIDGELAND 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	64	15
CONTRACT NO. 63112				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				