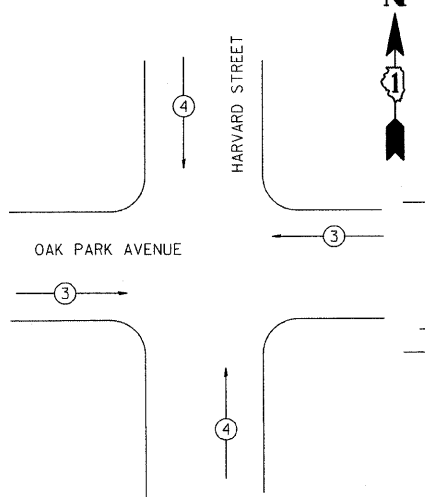
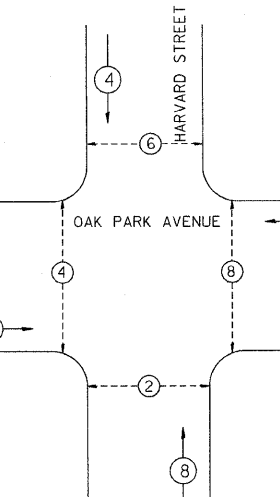


ITEM	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
MODIFY EXISTING CONTROLLER	EACH	1

EXISTING EMERGENCY VEHICLE PREEMPTION DIAGRAM



EXISTING CONTROLLER SEQUENCE



CONTROLLER SEQUENCE LEGEND

- ⊙ → DUAL ENTRY PHASE
 - * → NUMBER REFERS TO ASSOCIATED PHASE
 - ⊙ → PEDESTRIAN PHASE
- (DRAWING NOT TO SCALE)

PHASE DESIGNATION DIAGRAM



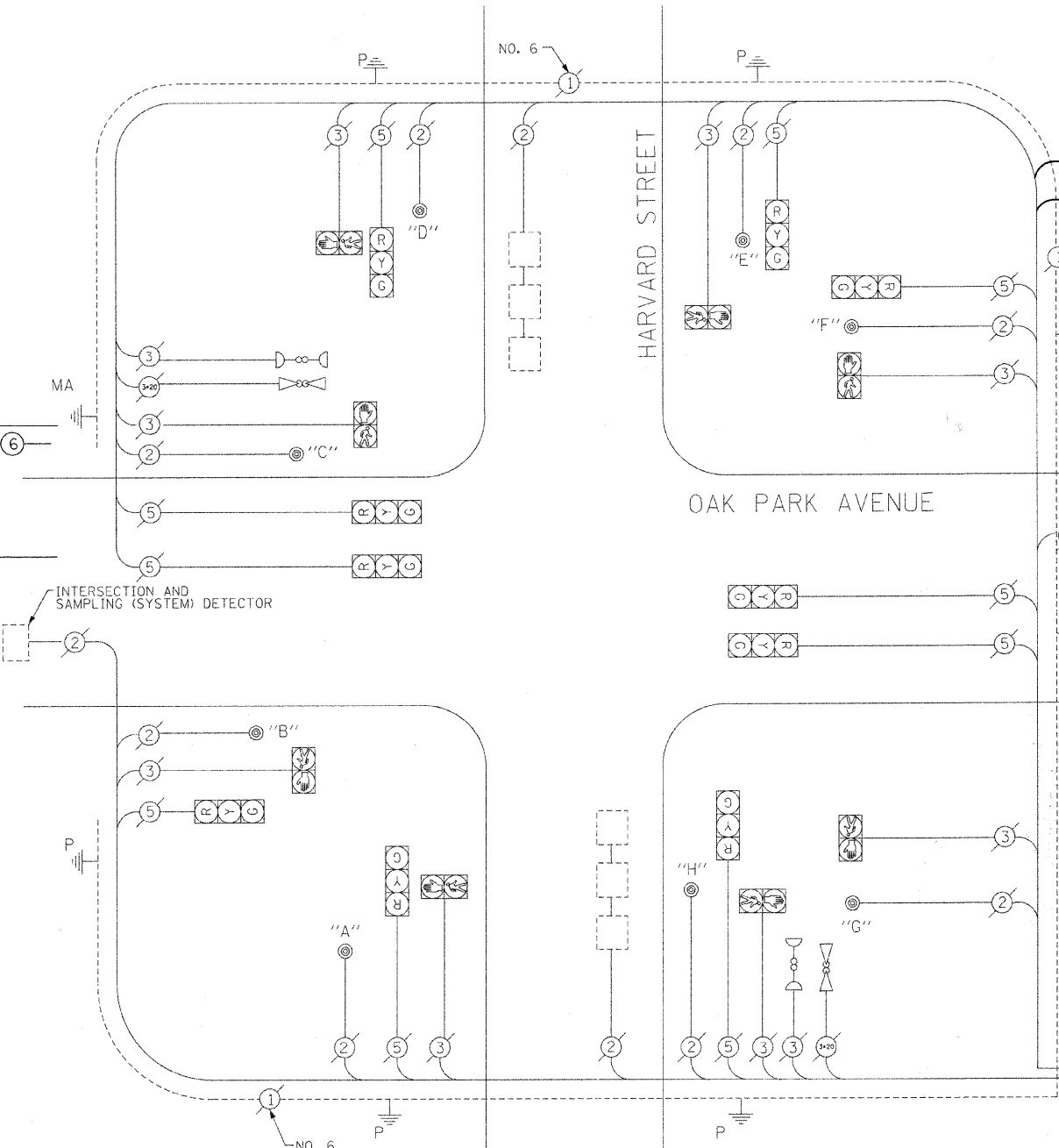
I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		%OPERATION	
		INCAND.	LED		
SIGNAL (RED)	10		17	0.50	85
(YELLOW)	10		25	0.25	63
(GREEN)	10		15	0.25	38
ARROW	0		12	0.10	0
PED. SIGNAL	8		25	1.00	200
CONTROLLER	1		100	1.00	100
ILLUM. SIGN				0.05	0
FLASHER	1			0.50	0

ENERGY COSTS TO: TOTAL = 486

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)



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-MMI2F 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 |

PUSH-BUTTON NOTES
 PUSH-BUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4
 PUSH-BUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6
 PUSH-BUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8
 PUSH-BUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8



USER NAME = adam	DESIGNED -	REVISED -
PLOT SCALE = 20.7130' / IN.	DRAWN -	REVISED -
PLOT DATE = 5/26/2009	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CABLE PLAN			
HARVARD STREET AT 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	64	50
CONTRACT NO. 63112				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				