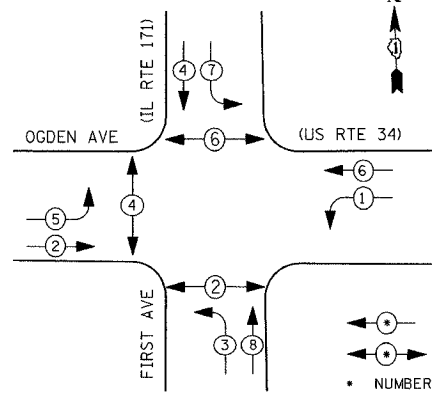


**SCHEDULE OF QUANTITIES**

DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2/C	METER	67
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3/C	METER	97
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	2
PEDESTRIAN PUSH BUTTON	EACH	1
MODIFY EXISTING CONTROLLER	EACH	1
REOPTIMIZE TRAFFIC SIGNAL SYSTEM	L SUM	1

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
05-F3000-01-BT	COOK	92	54
STA. TO STA.			
IDOT PROJECT NO. CMM-8003(498)			
SALT CREEK GREENWAY TRAIL			
CONTRACT NO. 83667			

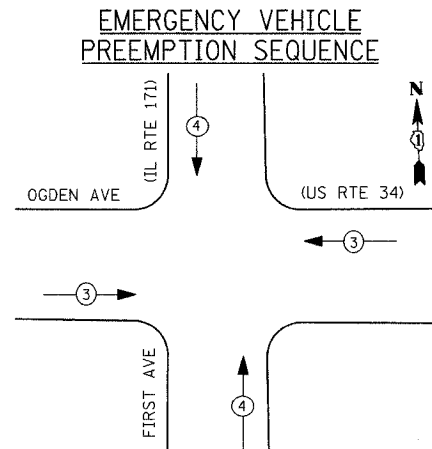
**CONTROLLER SEQUENCE**



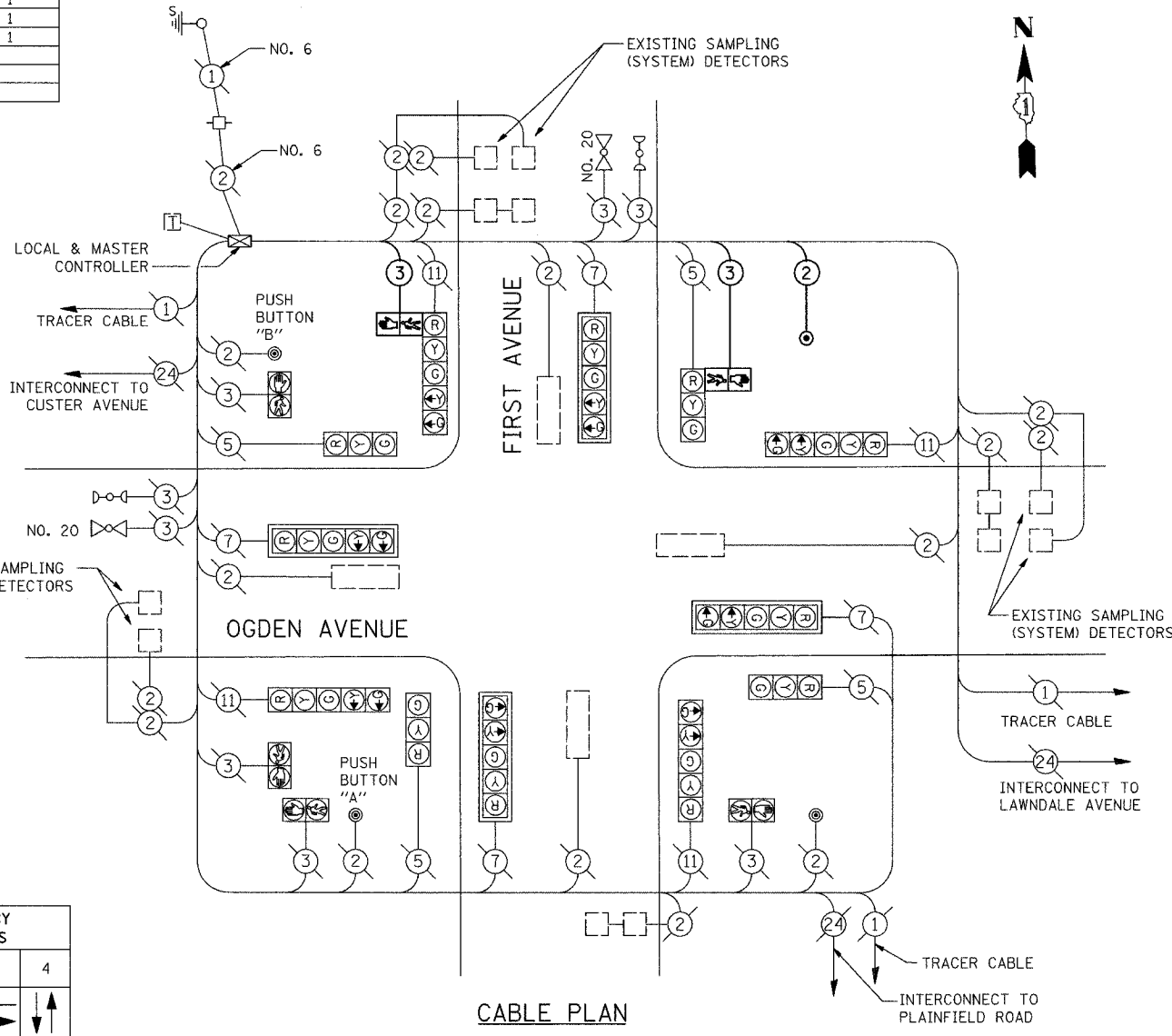
**LEGEND**

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

**PHASE DESIGNATION DIAGRAM**



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←	↑



**CABLE PLAN LEGEND**

- | EXISTING | PROPOSED |  |
|----------|----------|--|
| Ⓜ        | Ⓜ        | 8" (200mm) TRAFFIC SIGNAL SECTION  |
| Ⓡ        | Ⓡ        | 12" (300mm) TRAFFIC SIGNAL SECTION   |
| Ⓦ        | Ⓦ        | 12" (300mm) PEDESTRIAN SIGNAL SECTION  |
| Ⓦ        | Ⓦ        | 12" (300mm) PEDESTRIAN SIGNAL SECTION  |
| Ⓜ        | Ⓜ        | CONTROLLER CABINET   |
| Ⓜ        | Ⓜ        | SERVICE INSTALLATION   |
| Ⓜ        | Ⓜ        | TELEPHONE CONNECTION   |
| Ⓜ        | Ⓜ        | MAGNETIC DETECTOR  |
| Ⓜ        | Ⓜ        | EMERGENCY VEHICLE LIGHT DETECTOR   |
| Ⓜ        | Ⓜ        | CONFIRMATION BEACON  |
| Ⓜ        | Ⓜ        | PUSHBUTTON DETECTOR  |
| Ⓜ        | Ⓜ        | VEHICLE DETECTOR, INDUCTION LOOP   |
| ②        | ②        | 2 DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BESHIELDED. |
| Ⓜ        | Ⓜ        | SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD  |
| Ⓜ        | Ⓜ        | RAILROAD CONTROL CABINET   |
| Ⓜ        | Ⓜ        | ILLUMINATED SIGN, L.E.D. "NO LEFT TURN"  |
| Ⓜ        | Ⓜ        | ILLUMINATED SIGN, L.E.D. "NO RIGHT TURN"   |
| H/C      | C        | GROUND 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  |
| ①        | ①        | GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)   |
| ②④       | ②④       | FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 MM12F SM12F  |

NOTE: PUSH BUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4  
 PUSH BUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	OPERATION	
SIGNAL (RED)	12	135	17	0.50	810.00
(YELLOW)	12	135	25	0.25	405.00
(GREEN)	12	135	15	0.25	405.00
ARROW	16	135	12	0.10	216.00
PED. SIGNAL	6	90	25	1.00	410.00
CONTROLLER	1	100	100	1.00	100.00
ILLUM. SIGN	0	84		0.05	
FLASHER				0.50	
ENERGY COSTS TO:					TOTAL = 2346.0
ENERGY SUPPLY					

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)	BRACKET MOUNTED	13 (4.0)
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	PED. PUSHBUTTON	4 (1.2)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	ELECTRIC 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)

REVISIONS		
NO.	NAME	DATE

**URS** 1701 GOLF ROAD, SUITE 1000 TEL (847) 228-0707  
 ROLLING MEADOWS, IL 60008 FAX (847) 228-1115

FOREST PRESERVE DISTRICT OF COOK COUNTY  
**SALT CREEK GREENWAY TRAIL**  
 SCHEDULE OF QUANTITIES,  
 CABLE PLAN AND  
 PHASE DESIGNATION DIAGRAM  
 OGDEN AVE. & FIRST AVE.

DATE: 7/01/05 DRAWN BY: XXX  
 DESIGNED BY: MIA CHECKED BY: DDL