

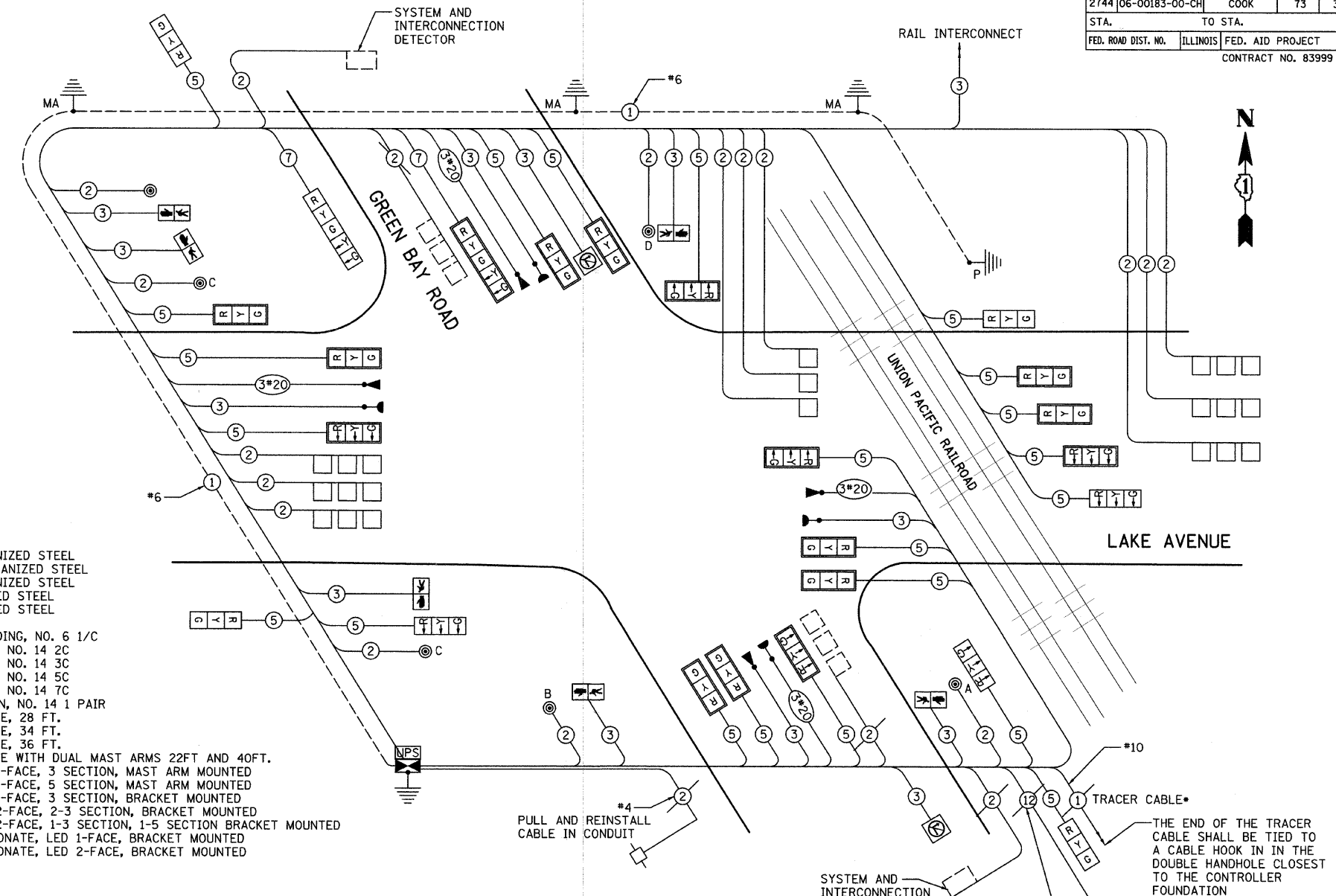
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2744	06-00183-00-CH	COOK	73	32
STA.	TO STA.		FED. AID PROJECT	
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 83999		

**CABLE PLAN LEGEND**

- | EXISTING | PROPOSED | EXISTING | PROPOSED |
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**SCHEDULE OF QUANTITIES**

QTY	UNIT	ITEM DESCRIPTION
3	EACH	TRAFFIC SIGNAL POST, 14 FOOT
6	EACH	PEDESTRIAN PUSH BUTTON
1	EACH	PEDESTRIAN PUSH BUTTON POST
1	EACH	DOUBLE HANDHOLE
4	EACH	HEAVY DUTY HANDHOLE
99	FOOT	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL
50	FOOT	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL
38	FOOT	CONDUIT IN TRENCH, 5" DIA., GALVANIZED STEEL
35	FOOT	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL
60	FOOT	CONDUIT PUSHED, 6" DIA., GALVANIZED STEEL
2	EACH	HANDHOLE
322	FOOT	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1/C
744	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
2209	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
4947	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
364	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
2455	EACH	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS 22FT AND 40FT.
15	EACH	SIGNAL HEAD, POLYCARBONATE, LED 1-FACE, 3 SECTION, MAST ARM MOUNTED
1	EACH	SIGNAL HEAD, POLYCARBONATE, LED 1-FACE, 5 SECTION, MAST ARM MOUNTED
2	EACH	SIGNAL HEAD, POLYCARBONATE, LED 1-FACE, 3 SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, POLYCARBONATE, LED 2-FACE, 2-3 SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, POLYCARBONATE, LED 2-FACE, 1-3 SECTION, 1-5 SECTION BRACKET MOUNTED
4	EACH	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED 1-FACE, BRACKET MOUNTED
1	EACH	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED 2-FACE, BRACKET MOUNTED
16	EACH	TRAFFIC SIGNAL BACKPLATE
9	EACH	INDUCTIVE LOOP DETECTOR
811	FOOT	DETECTOR LOOP, TYPE I
4	EACH	LIGHT DETECTOR
1	FOOT	LIGHT DETECTOR AMPLIFIER
187	EACH	TRENCH AND BACKFILL FOR ELECTRICAL WORK
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
5	FOOT	REMOVE EXISTING CONCRETE FOUNDATION
766	EACH	ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED
1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
2	EACH	DRILL EXISTING HANDHOLE
2	EACH	ILLUMINATED SIGN, LED
8	FOOT	CONCRETE FOUNDATION, TYPE A
4	FOOT	CONCRETE FOUNDATION, TYPE D
13.5	FOOT	CONCRETE FOUNDATION, TYPE E, 30 INCH DIA.
13	FOOT	CONCRETE FOUNDATION, TYPE E, 36 INCH DIA.
3	EACH	REBUILD EXISTING HANDHOLE
1	EACH	REBUILD EXISTING HANDHOLE, SPECIAL
6	EACH	REMOVE EXISTING HANDHOLE
9861	FOOT	REMOVE EXISTING CABLE FROM CONDUIT
232	FOOT	ELECTRIC CABLE IN CONDUIT, RAILROAD, NO. 14-3C
1	EACH	FULL - ACTUATED CONTROLLER, IN TYPE V CABINET
1	EACH	UNINTERUPTABLE POWER SUPPLY, STANDARD
1	EACH	TRANSCEIVER, FIBER OPTIC
93	FOOT	REMOVE AND RE-INSTALL ELECTRIC CABLE IN CONDUIT
1	EACH	TEMPORARY TRAFFIC SIGNAL TIMING



**NOTES:**

- PEDESTRIAN PUSH BUTTON "A" TO CALL PHASE 3.
- PEDESTRIAN PUSH BUTTON "B" TO CALL PHASE 3 AND 6.
- PEDESTRIAN PUSH BUTTON "C" TO CALL PHASE 4 AND 6.
- PEDESTRIAN PUSH BUTTON "D" TO CALL PHASE 4.

**CABLE PLAN**  
NOT TO SCALE

\* REMOVE AND REINSTALL FIBER OPTIC IN CONDUIT (APPROX. 55 FT.)

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				
TYPE	NO. LAMPS	WATTAGE LED	% OPERATIONS	TOTAL WATTAGE
SIGNAL (RED)	24	17	0.50	204
(YELLOW)	24	25	0.25	150
(GREEN)	24	15	0.25	90
ARROW	4	12	0.10	4.8
PED. SIGNAL	6	25	1.00	150
CONTROLLER	1	100	1.00	100
IL SIGN	2	25	0.05	2.5
FLASHER LED			0.05	0
TOTAL =				701.3

ENERGY COSTS- BILLED TO: VILLAGE OF WILMETTE  
(ADDRESS) 1200 WILMETTE AV  
WILMETTE, IL

ENERGY SUPPLY - CONTACT \_\_\_\_\_  
PHONE \_\_\_\_\_  
COMPANY COMED

FOUNDATION	DEPTH	DEPTH (FT.)	CABLE SLACK (FT.)	VERTICAL (FT.)
A - POST	4		HANDHOLE 6.5	ALL FOUNDATIONS 3.5
D - CONTROLLER	4		DOUBLE HANDHOLE 13	MAST ARM (L) POLE =20' HL-2
E - MAST ARM POLE			SIGNAL POST 2	BRACKET MOUNTED 13
24"	10		CONTROLLER CAB. 1	PED. PUSHBUTTON 4
30"	15		FIBER OPTIC 13	ELECTRICAL SERVICE 13.5
			ELECTRICAL SERVICE 1	SERVICE TO GROUND 13.5
			GROUND CABLE 1	POSTMOUNTED 6

REVISIONS	
NAME	DATE

CABLE PLAN, SCHEDULE OF QUANTITIES AND PHASE DESIGNATION DIAGRAM

LAKE AVENUE AT GREEN BAY ROAD

CONSULTANT  
**TYLIN INTERNATIONAL**

VILLAGE OF WILMETTE  
GREEN BAY ROAD  
INTERSECTION IMPROVEMENTS

DRAWN: BK  
CHECKED: DAJ  
APPROVED: DAJ  
DATE: 02-14-2008  
SCALE: NONE  
JOB NO.: \_\_\_\_\_  
SHEET NO.: \_\_\_\_\_  
PROJECT NO.: \_\_\_\_\_