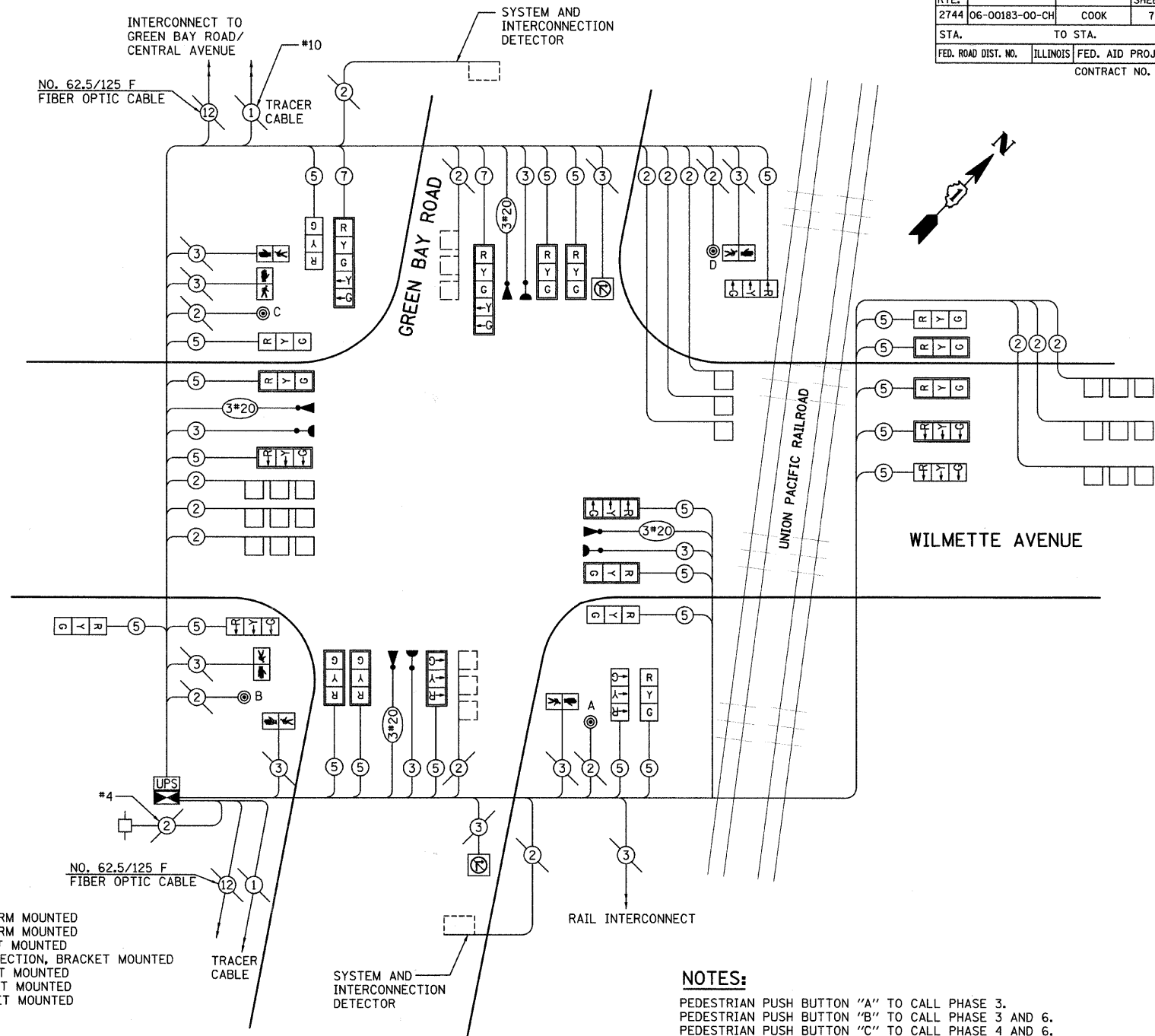


### CABLE PLAN LEGEND

EXISTING	PROPOSED	EXISTING	PROPOSED

### SCHEDULE OF QUANTITIES

QTY	UNIT	ITEM DESCRIPTION
4	EACH	PEDESTRIAN PUSH BUTTON
12	FOOT	CONCRETE FOUNDATION, TYPE A
13.5	FOOT	CONCRETE FOUNDATION, TYPE E, 30 INCH DIAMETER
8	FOOT	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL
35	FOOT	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL
1	EACH	HANDHOLE
10	EACH	HEAVY DUTY HANDHOLE
1	EACH	DRILL EXISTING HANDHOLE
718	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
4262	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
378	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
1627	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.
1	EACH	RELOCATE EXISTING MAST ARM ASSEMBLY AND POLE
12	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
5	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED
2	EACH	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED
2	EACH	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, BRACKET MOUNTED
13	EACH	TRAFFIC SIGNAL BACKPLATE
9	EACH	INDUCTIVE LOOP DETECTOR
803	FOOT	DETECTOR LOOP, TYPE I
4	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR, AMPLIFIER
8	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
718	FOOT	ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED
3	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL, 14 FT.
6485	FOOT	REMOVE EXISTING CABLE FROM CONDUIT
3	EACH	REMOVE EXISTING CONCRETE FOUNDATION
1	EACH	FULL - ACTUATED CONTROLLER, IN TYPE IV CABINET
1	EACH	UNINTERUPTABLE POWER SUPPLY, STANDARD
1	EACH	TRANSCEIVER, FIBER OPTIC
2	EACH	ILLUMINATED SIGN, LED
1	EACH	TEMPORARY TRAFFIC SIGNAL TIMING
1	EACH	MAINTAIN EXISTING TRAFFIC SIGNAL INSTALLATION



**CABLE PLAN**  
NOT TO SCALE

**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.

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 AVENUE  
 WILMETTE, IL

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

FOUNDATION	DEPTH	DEPTH (FT.)	CABLE SLACK (FT.)	VERTICAL (FT.)
TYPE 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**

WILMETTE 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.: \_\_\_\_\_