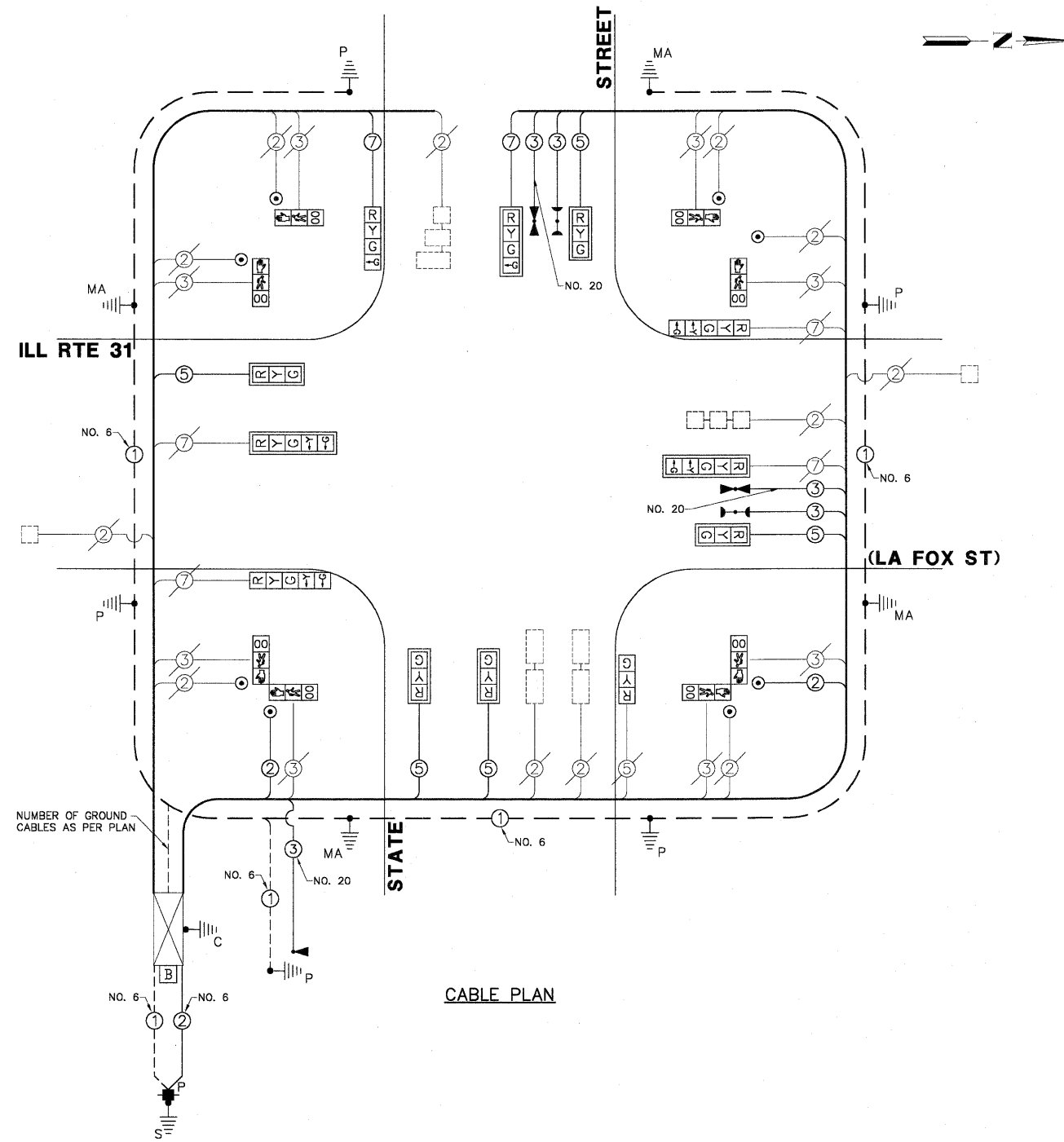


SCHEDULE OF QUANTITIES
ILL RTE 31 (LAFOX ST) AT STATE ST.

NO.	QUANT.	UNIT
1.	480	SQ FT PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
2.	100	SQ FT DETECTABLE WARNINGS
3.	460	SQ FT SIDEWALK REMOVAL
4.	250	SQ FT SIGN PANEL - TYPE 2
5.	118	FOOT CONDUIT IN TRENCH, 2-1/2" DIA, GALVANIZED STEEL
6.	23	FOOT CONDUIT IN TRENCH, 3" DIA, GALVANIZED STEEL
7.	151	FOOT CONDUIT PUSHED, 4" DIA, GALVANIZED STEEL
8.	141	FOOT TRENCH AND BACKFILL FOR ELECTRICAL WORK
9.	1	EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
10.	123	FOOT ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C
11.	436	FOOT ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C
12.	364	FOOT ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C
13.	264	FOOT ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C
14.	63	FOOT ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C
15.	1	EACH TRAFFIC SIGNAL POST, GALVANIZED STEEL, 18 FT
16.	1	EACH STEEL MAST ARM ASSEMBLY AND POLE, 30 FT
17.	1	EACH STEEL MAST ARM ASSEMBLY AND POLE, 36 FT
18.	4	FOOT CONCRETE FOUNDATION, TYPE A
19.	22	FOOT CONCRETE FOUNDATION, TYPE E, 36 INCH DIAMETER
20.	7	EACH DRILL EXISTING HANDHOLE
21.	5	EACH SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
22.	1	EACH SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED
23.	1	EACH SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED
24.	1	EACH SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED
25.	2	EACH SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED
26.	2	EACH SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED
27.	4	EACH PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
28.	2	EACH PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
29.	8	EACH TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINIUM
30.	3	EACH LIGHT DETECTOR
31.	1	EACH LIGHT DETECTOR AMPLIFIER
32.	8	EACH PEDESTRIAN PUSH-BUTTON
33.	1	EACH MODIFY EXISTING CONTROLLER
34.	203	FOOT REMOVE ELECTRIC CABLE FROM CONDUIT
35.	1	EACH REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
36.	1	EACH SERVICE INSTALLATION - POLE MOUNTED
37.	6	EACH GROUNDING EXISTING HANDHOLE FRAME AND COVER
38.	1	EACH UNINTERRUPTIBLE POWER SUPPLY (UPS)
39.	607	FOOT ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C
40.	593	FOOT ELECTRIC CABLE IN CONDUIT, NO. 20 3C, TWISTED, SHIELDED
41.	125	SQ FT BRICK PAVEMENT REMOVAL AND REPLACEMENT



CABLE PLAN

CABLE PLAN LEGEND

EXISTING	PROPOSED	DESCRIPTION
		8" (200mm) TRAFFIC SIGNAL SECTION
		12" (300mm) TRAFFIC SIGNAL SECTION
		12" (300mm) PEDESTRIAN SIGNAL SECTION
		CONTROLLER CABINET
		SERVICE INSTALLATION
		TELEPHONE
		VEHICLE DETECTOR, INDUCTION 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.
		FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 MM12F SM24F
		SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD
		RAILROAD CONTROL CABINET
		ILLUMINATED SIGN "NO LEFT TURN"
		ILLUMINATED SIGN "NO RIGHT TURN"
		GROUND 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
		UNINTERRUPTIBLE POWER SUPPLY (UPS)
		12" (300mm) PEDESTRIAN SIGNAL SECTION WITH COUNTDOWN TIMER

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "NTCIP" COMPLIANT.

Restoration of Work Area. Restoration of the traffic signal work area shall be incidental to the related pay items such as foundation, conduit, handhole, trench and backfill, etc., and no extra compensation shall be allowed. All roadway surfaces such as shoulders, medians, sidewalks, pavement, etc. shall be replaced in kind. All damage to mowed lawns shall be replaced with an approved sod, and all damage to unmowed fields shall be seeded in accordance with Standard Specifications 252 and 250 respectively.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO LAMPS	WATTAGE		% OPERATION	
SIGNAL (RED)	12	135	17	0.50	102.0
SIGNAL (YELLOW)	12	135	25	0.25	75.0
SIGNAL (GREEN)	12	135	15	0.25	45.0
ARROW	10	135	12	0.10	12.0
PED. SIGNAL	8	90	25	1.00	200.0
CONTROLLER	1	-	100	1.00	-
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
TOTAL =					459.0

ENERGY COSTS - BILLED TO: VILLAGE OF SOUTH ELGIN (ADDRESS) 10 N. WATER STREET (ADDRESS) SOUTH ELGIN, IL 60177
ENERGY SUPPLY - CONTACT: KATHY NYSTROM PHONE: (847) 816-5489 COMPANY: COM ED - ELGIN