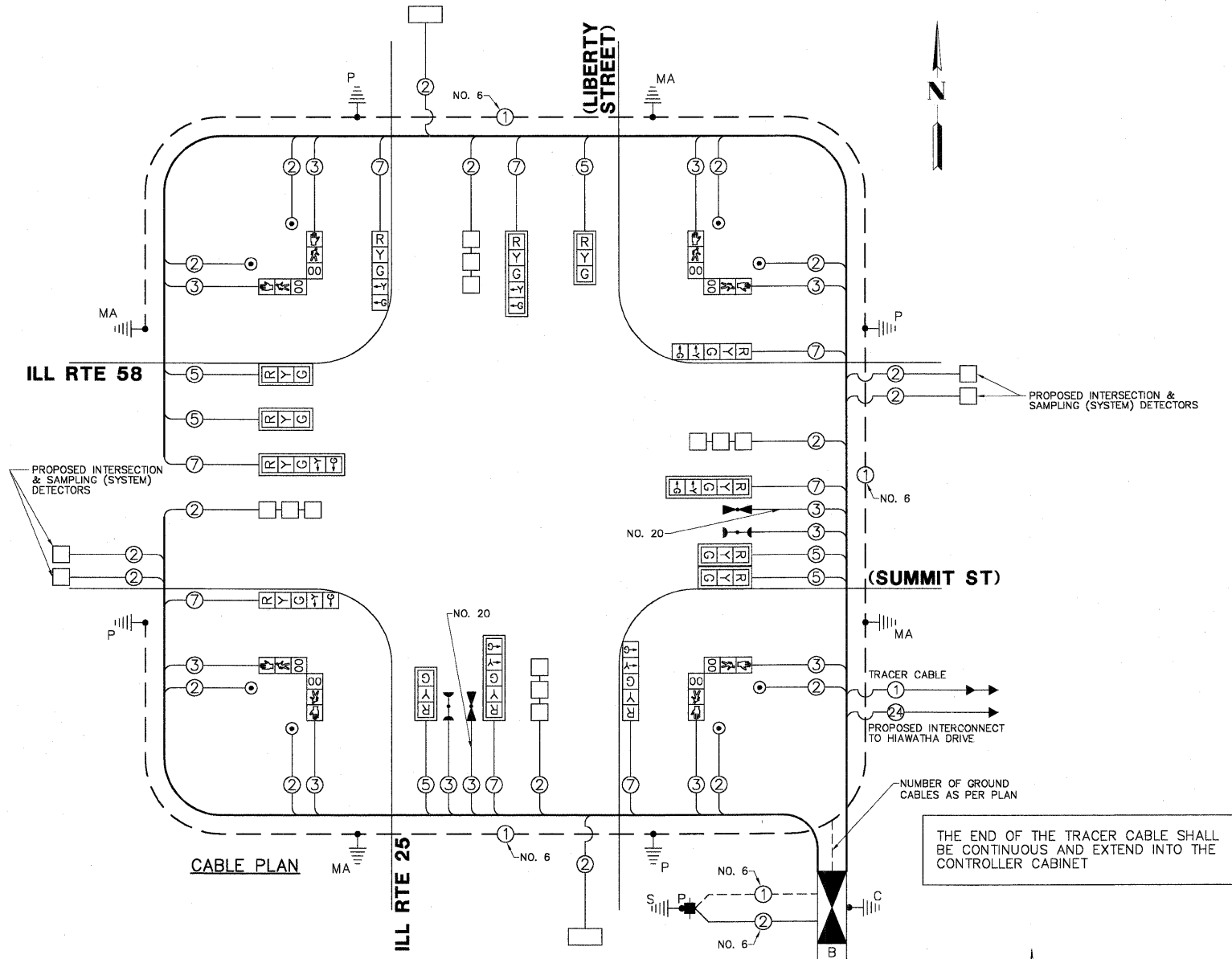


**SCHEDULE OF QUANTITIES**  
ILL RTE 58 (SUMMIT ST) AT ILL RTE 25 (LIBERTY ST)

NO.	QUANT.	UNIT
1.	10	CU YD EARTH EXCAVATION
2.	1,550	SQ FT PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
3.	950	SQ FT SIDEWALK REMOVAL
4.	2	CAL MO ENGINEER'S FIELD OFFICE, TYPE A
5.	52.5	SQ FT SIGN PANEL - TYPE 2
6.	823	FOOT CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL
7.	57	FOOT CONDUIT IN TRENCH, 2-1/2" DIA., GALVANIZED STEEL
8.	117	FOOT CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL
9.	29	FOOT CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL
10.	417	FOOT CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL
11.	306	FOOT CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL
12.	6	EACH HANDHOLE
13.	4	EACH HEAVY-DUTY HANDHOLE
14.	2	EACH DOUBLE HANDHOLE
15.	1,080	FOOT TRENCH AND BACKFILL FOR ELECTRICAL WORK
16.	1	EACH FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
17.	1	EACH TRANSCEIVER - FIBER OPTIC
18.	1,054	FOOT ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C
19.	1,359	FOOT ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C
20.	1,087	FOOT ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C
21.	1,323	FOOT ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C
22.	2,682	FOOT ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
23.	65	FOOT ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C
24.	4	EACH TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16 FT
25.	2	EACH STEEL MAST ARM ASSEMBLY AND POLE, 24 FT
26.	2	EACH STEEL MAST ARM ASSEMBLY AND POLE, 34 FT
27.	16	FOOT CONCRETE FOUNDATION, TYPE A
28.	4	FOOT CONCRETE FOUNDATION, TYPE C
29.	20	FOOT CONCRETE FOUNDATION, TYPE E, 30 INCH DIAMETER
30.	22	FOOT CONCRETE FOUNDATION, TYPE E, 36 INCH DIAMETER
31.	1	EACH DRILL EXISTING HANDHOLE
32.	6	EACH SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
33.	4	EACH SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED
34.	4	EACH SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED
35.	4	EACH PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
36.	10	EACH TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINIUM
37.	10	EACH INDUCTIVE LOOP DETECTOR
38.	609	FOOT DETECTOR LOOP, TYPE I
39.	2	EACH LIGHT DETECTOR
40.	1	EACH LIGHT DETECTOR AMPLIFIER
41.	8	EACH PEDESTRIAN PUSH-BUTTON
42.	1	EACH TEMPORARY TRAFFIC SIGNAL INSTALLATION
43.	1	EACH REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
44.	11	EACH REMOVE EXISTING HANDHOLE
45.	9	EACH REMOVE EXISTING CONCRETE FOUNDATION
46.	102.8	SQ FT TEMPORARY INFORMATION SIGNING
47.	1	EACH TEMPORARY TRAFFIC SIGNAL TIMING
48.	1	EACH SERVICE INSTALLATION - POLE MOUNTED
49.	1	EACH UNINTERRUPTIBLE POWER SUPPLY (UPS)
50.	767	FOOT ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C
51.	233	FOOT ELECTRIC CABLE IN CONDUIT, NO. 20 3C, TWISTED, SHIELDED



**CABLE PLAN LEGEND**

EXISTING	PROPOSED	DESCRIPTION
[Symbol]	[Symbol]	8" (200mm) TRAFFIC SIGNAL SECTION
[Symbol]	[Symbol]	12" (300mm) TRAFFIC SIGNAL SECTION
[Symbol]	[Symbol]	12" (300mm) PEDESTRIAN SIGNAL SECTION
[Symbol]	[Symbol]	12" (300mm) PEDESTRIAN SIGNAL SECTION
[Symbol]	[Symbol]	CONTROLLER CABINET
[Symbol]	[Symbol]	SERVICE INSTALLATION
[Symbol]	[Symbol]	TELEPHONE
[Symbol]	[Symbol]	VEHICLE DETECTOR, INDUCTION LOOP
[Symbol]	[Symbol]	MAGNETIC DETECTOR
[Symbol]	[Symbol]	EMERGENCY VEHICLE LIGHT DETECTOR
[Symbol]	[Symbol]	CONFIRMATION BEACON
[Symbol]	[Symbol]	PUSHBUTTON DETECTOR
[Symbol]	[Symbol]	DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
[Symbol]	[Symbol]	GROUND CABLE IN CONDUIT NO.6 SOLID COPPER (GREEN)
[Symbol]	[Symbol]	FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 MM12F SM24F
[Symbol]	[Symbol]	SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD
[Symbol]	[Symbol]	RAILROAD CONTROL CABINET
[Symbol]	[Symbol]	ILLUMINATED SIGN "NO LEFT TURN"
[Symbol]	[Symbol]	ILLUMINATED SIGN "NO RIGHT TURN"
[Symbol]	[Symbol]	GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C)
[Symbol]	[Symbol]	GROUND ROD AT POST (P) OR MAST ARM POLE (MA)
[Symbol]	[Symbol]	GROUND ROD AT ELECTRIC SERVICE INSTALLATION
[Symbol]	[Symbol]	UNINTERRUPTIBLE POWER SUPPLY (UPS)
[Symbol]	[Symbol]	12" (300mm) PEDESTRIAN SIGNAL SECTION WITH COUNTDOWN TIMER

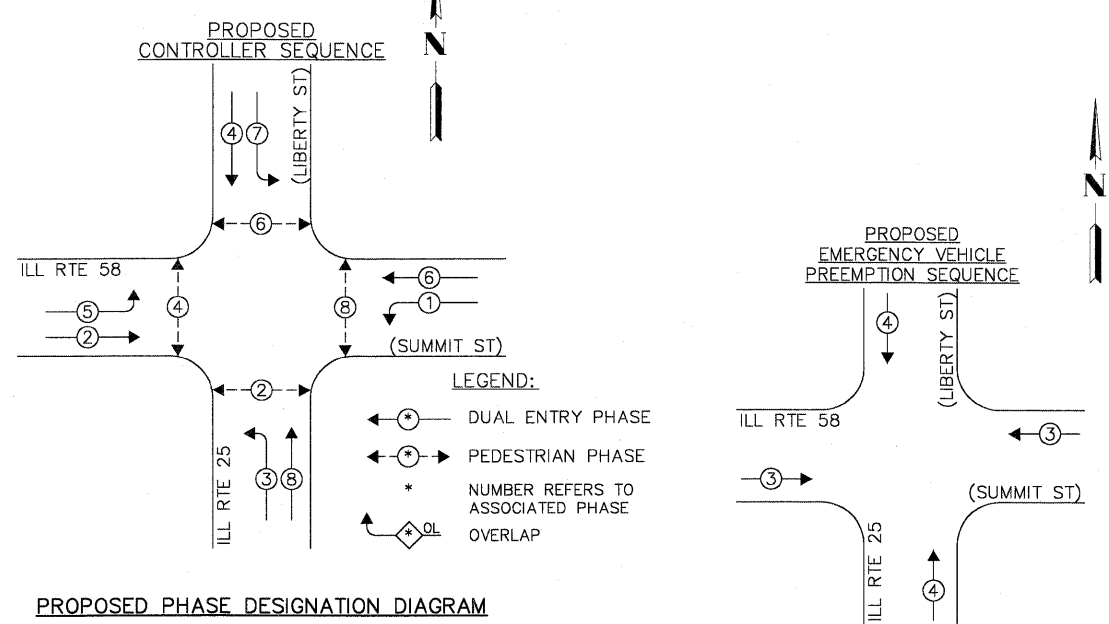
**I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO LAMPS	WATTAGE		% OPERATION	TOTAL WATTAGE
		INCAND.	L.E.D.		
SIGNAL (RED)	14	135	17	0.50	119.0
SIGNAL (YELLOW)	14	135	25	0.25	87.5
SIGNAL (GREEN)	14	135	15	0.25	52.5
ARROW	16	135	12	1.00	19.2
PED. SIGNAL	8	90	25	1.00	200.0
CONTROLLER	1	100	1.00	100.0	-
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	-
<b>TOTAL =</b>					<b>603.2</b>

ENERGY COSTS - BILLED TO: CITY OF ELGIN  
(ADDRESS) 150 DEXTER COURT  
(ADDRESS) ELGIN, IL 60120  
ENERGY SUPPLY - CONTACT: KATHY NYSTROM  
PHONE: (847) 816-5489  
COMPANY: COM ED - ELGIN

**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.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.



**PROPOSED EMERGENCY VEHICLE PREEMPTORS**

EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	—	