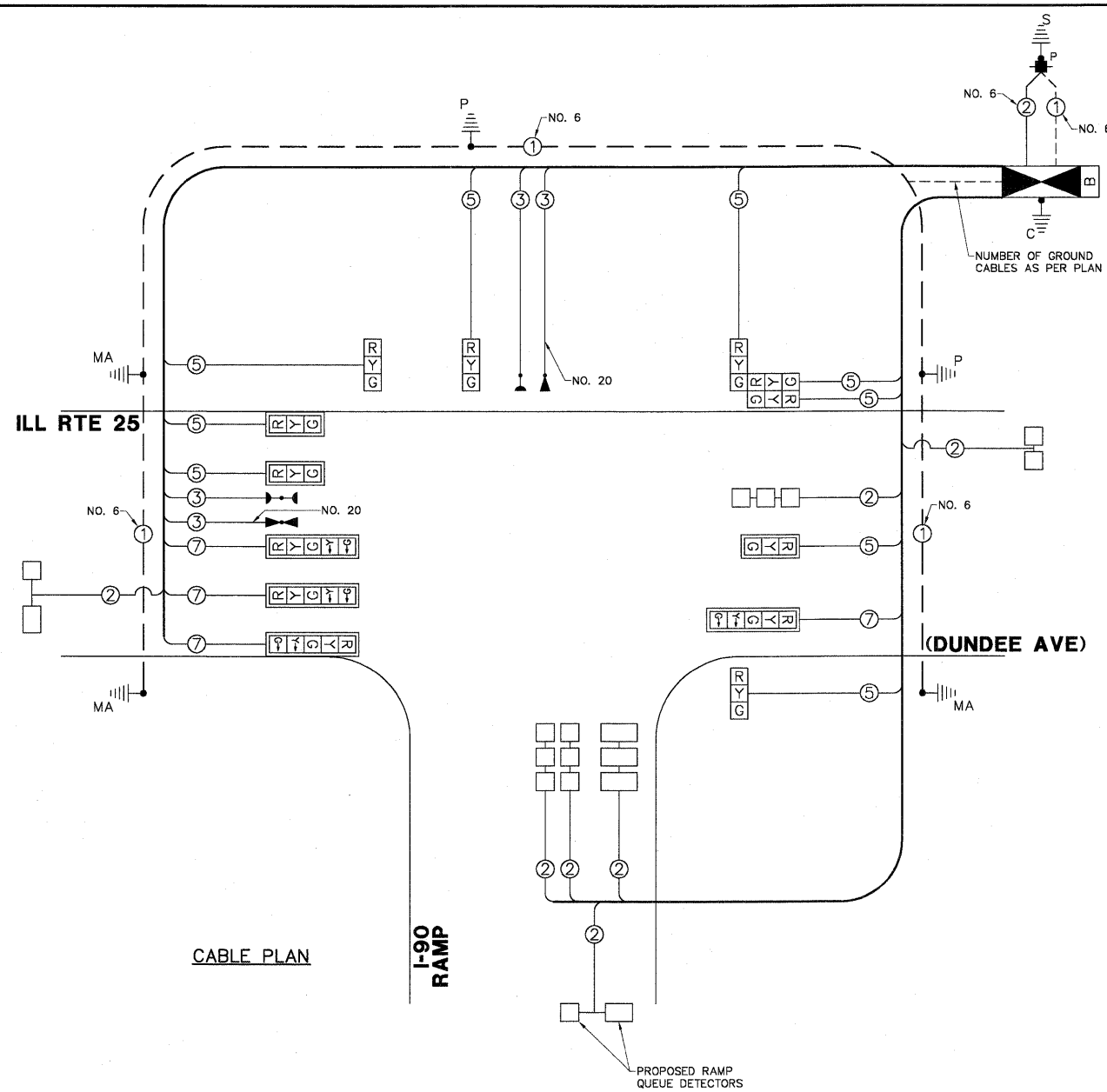


**SCHEDULE OF QUANTITIES**  
ILL RTE 25 (DUNDEE AVE) AT I-90 RAMP

NO.	QUANT.	UNIT
1.	15	CU YD EARTH EXCAVATION
2.	80	SQ YD SUB-BASE GRANULAR MATERIAL, TYPE B, 4"
3.	18	TON HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70
4.	12	GAL BITUMINOUS MATERIALS (PRIME COAT)
5.	115	FOOT COMBINATION CURB AND GUTTER REMOVAL
6.	720	SQ FT MEDIAN REMOVAL
7.	80	SQ YD CLASS D PATCHES, TYPE III, 10 INCH
8.	2	CAL MO ENGINEER'S FIELD OFFICE, TYPE A
9.	350	FOOT THERMOPLASTIC PAVEMENT MARKING - LINE 8"
10.	250	FOOT THERMOPLASTIC PAVEMENT MARKING - LINE 12"
11.	756	FOOT CONDUIT IN TRENCH, 2" DIA, GALVANIZED STEEL
12.	38	FOOT CONDUIT IN TRENCH, 2-1/2" DIA, GALVANIZED STEEL
13.	31	FOOT CONDUIT IN TRENCH, 3" DIA, GALVANIZED STEEL
14.	106	FOOT CONDUIT IN TRENCH, 4" DIA, GALVANIZED STEEL
15.	103	FOOT CONDUIT PUSHED, 2" DIA, GALVANIZED STEEL
16.	217	FOOT CONDUIT PUSHED, 4" DIA, GALVANIZED STEEL
17.	5	EACH HANDHOLE
18.	3	EACH HEAVY-DUTY HANDHOLE
19.	1	EACH DOUBLE HANDHOLE
20.	874	FOOT TRENCH AND BACKFILL FOR ELECTRICAL WORK
21.	1	EACH FULL-ACTUATED CONTROLLER AND TYPE IV CABINET
22.	349	FOOT ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C
23.	1,205	FOOT ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C
24.	970	FOOT ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C
25.	1,727	FOOT ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAR
26.	79	FOOT ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C
27.	1	EACH TRAFFIC SIGNAL POST, GALVANIZED STEEL, 14 FT
28.	1	EACH TRAFFIC SIGNAL POST, GALVANIZED STEEL, 18 FT
29.	1	EACH STEEL MAST ARM ASSEMBLY AND POLE, 26 FT
30.	1	EACH STEEL MAST ARM ASSEMBLY AND POLE, 36 FT
31.	1	EACH STEEL MAST ARM ASSEMBLY AND POLE, 40 FT
32.	8	FOOT CONCRETE FOUNDATION, TYPE A
33.	4	FOOT CONCRETE FOUNDATION, TYPE C
34.	10	FOOT CONCRETE FOUNDATION, TYPE E, 30 INCH DIAMETER
35.	24	FOOT CONCRETE FOUNDATION, TYPE E, 36 INCH DIAMETER
36.	3	EACH SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
37.	3	EACH SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED
38.	4	EACH SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED
39.	1	EACH SIGNAL HEAD, LED, 3-FACE, 3-SECTION, BRACKET MOUNTED
40.	7	EACH TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINIUM
41.	7	EACH INDUCTIVE LOOP DETECTOR
42.	752	FOOT DETECTOR LOOP, TYPE I
43.	2	EACH LIGHT DETECTOR
44.	1	EACH LIGHT DETECTOR AMPLIFIER
45.	1	EACH TEMPORARY TRAFFIC SIGNAL INSTALLATION
46.	1	EACH REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
47.	9	EACH REMOVE EXISTING HANDHOLE
48.	8	EACH REMOVE EXISTING CONCRETE FOUNDATION
49.	77.1	SQ FT TEMPORARY INFORMATION SIGNING
50.	1	EACH TEMPORARY TRAFFIC SIGNAL TIMING
51.	1	EACH SERVICE INSTALLATION - POLE MOUNTED
52.	1	EACH UNINTERRUPTIBLE POWER SUPPLY (UPS)
53.	508	FOOT ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C
54.	349	FOOT ELECTRIC CABLE IN CONDUIT, NO. 20 3C, TWISTED, SHIELDED
55.	600	SQ FT BRICK PAVEMENT REMOVAL
56.	115	FOOT SAWING PAVEMENT (FULL DEPTH)



**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

**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 "NTCIP" COMPLIANT.

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

TYPE	NO LAMPS	WATTAGE		% OPERATION	TOTAL WATTAGE
		INCAND.	L.E.D.		
SIGNAL (RED)	13	135	17	0.50	110.50
SIGNAL (YELLOW)	13	135	25	0.25	81.25
SIGNAL (GREEN)	13	135	15	0.25	48.75
ARROW	4	135	12	0.10	4.80
PED.SIGNAL	-	90	25	1.00	-
CONTROLLER	1	-	100	1.00	100.00
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.00
<b>TOTAL =</b>					<b>370.3</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

