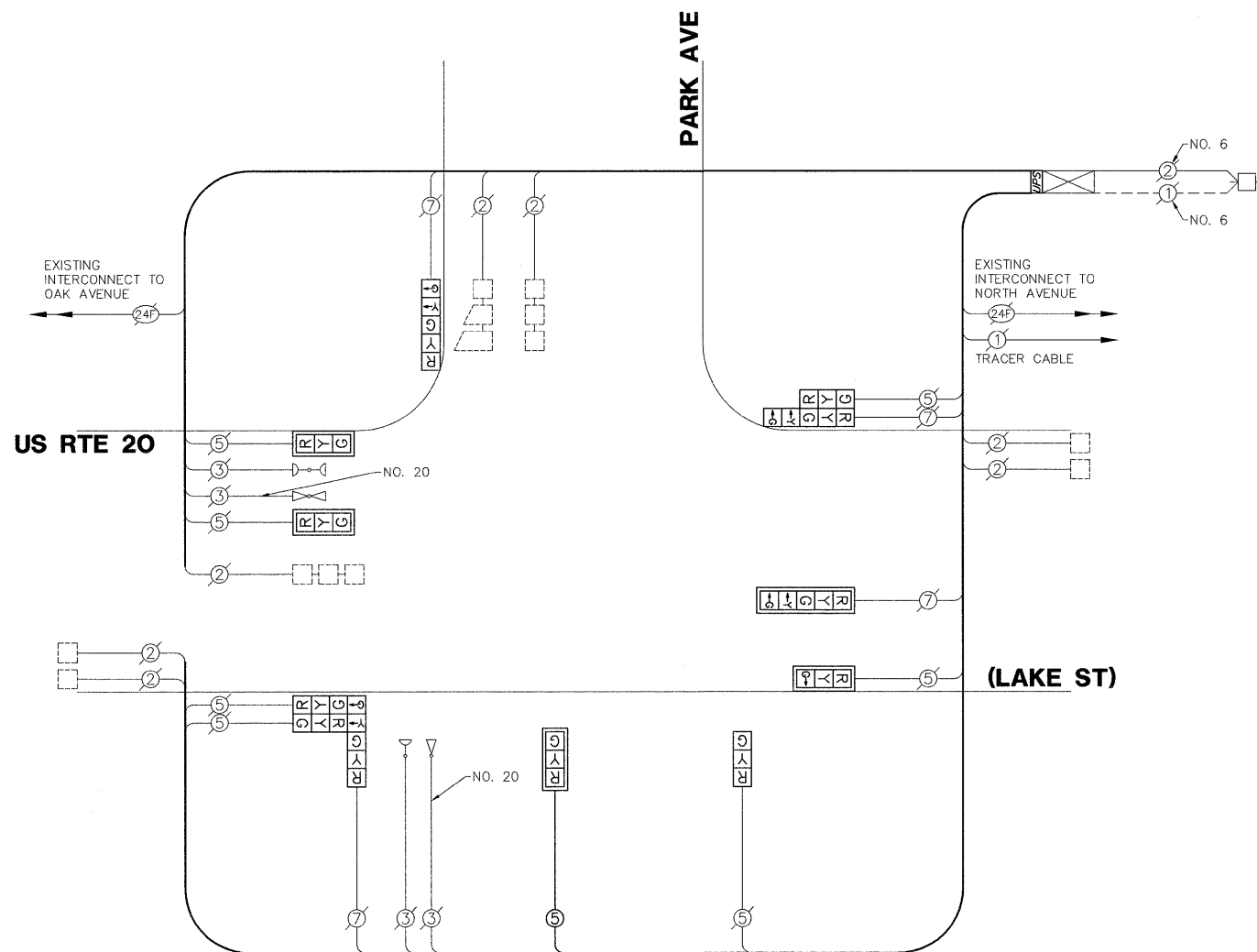


**SCHEDULE OF QUANTITIES**  
U.S. ROUTE 20 AT PARK AVENUE

NO.	QUANT.	UNIT
1.	0.25	CAL MO ENGINEER'S FIELD OFFICE, TYPE A
2.	0.10	L SUM MOBILIZATION
3.	0.10	L SUM TRAFFIC CONTROL AND PROTECTION, STANDARD 701501
4.	0.10	L SUM TRAFFIC CONTROL AND PROTECTION, STANDARD 701606
5.	0.10	L SUM TRAFFIC CONTROL AND PROTECTION, STANDARD 701701
6.	0.10	L SUM TRAFFIC CONTROL AND PROTECTION, STANDARD 701801
7.	25	FOOT CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL
8.	25	FOOT TRENCH AND BACKFILL FOR ELECTRICAL WORK
9.	1	EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
10.	259	FOOT ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
11.	1	EACH TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
12.	2	EACH TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
13.	1	EACH TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.
14.	4	FOOT CONCRETE FOUNDATION, TYPE A
15.	1	EACH DRILL EXISTING HANDHOLE
16.	3	EACH SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED
17.	2	EACH SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED
18.	1	EACH SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED
19.	1	EACH SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED
20.	1	EACH SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
21.	1	EACH SIGNAL HEAD, LED, 3-FACE, 2-3 SECTION, 1-5 SECTION BRACKET MOUNTED
22.	4	EACH TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
*23.	1	EACH RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT
24.	1	EACH UNINTERRUPTIBLE POWER SUPPLY

\* 100% OF COST TO THE VILLAGE OF STREAMWOOD



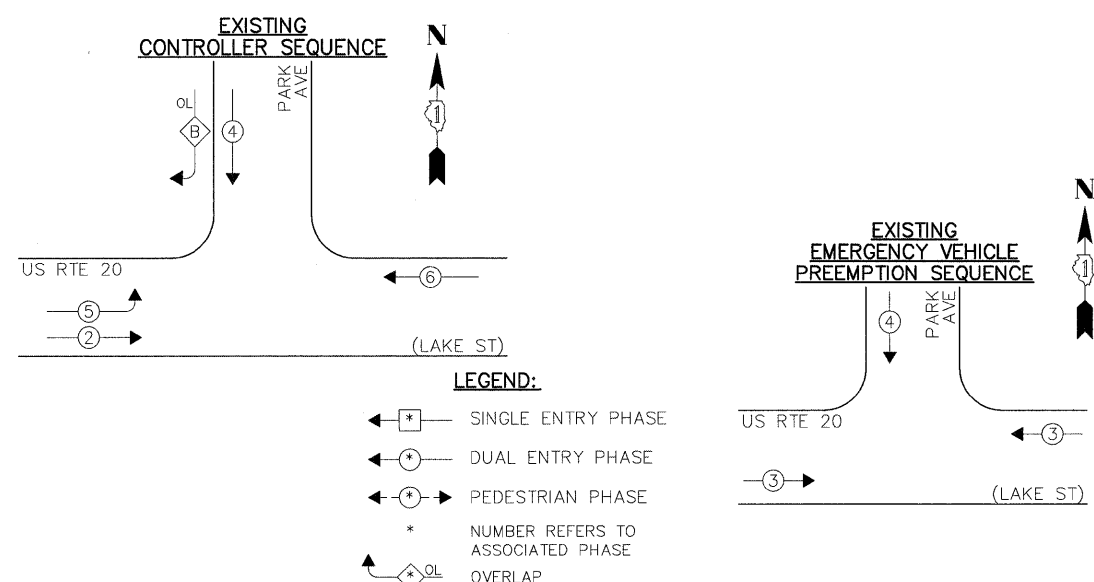
**CABLE PLAN**

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	INCAND.	L.E.D.	% OPERATION	
SIGNAL (RED)	11	135	17	0.50	93.5
SIGNAL (YELLOW)	11	135	25	0.25	27.5
SIGNAL (GREEN)	11	135	15	0.25	66.0
ARROW	8	135	12	0.10	9.6
PED. SIGNAL	-	90	25	1.00	-
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
ILLUMINATED SIGN	-	-	25	0.05	-
TOTAL =					321.6

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.

$$\text{OVERLAP LETTER B} = \frac{\text{PERMISSIVE PHASE}}{4} + \frac{\text{PROTECTED PHASE}}{5}$$



**EXISTING AND PROPOSED PHASE DESIGNATION DIAGRAM**

EXISTING EMERGENCY VEHICLE PREEMPTORS	
EMERGENCY VEHICLE PREEMPTOR	3 4
MOVEMENT	← →