F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
337	20 WRS-6	LAKE	318	189
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT:		

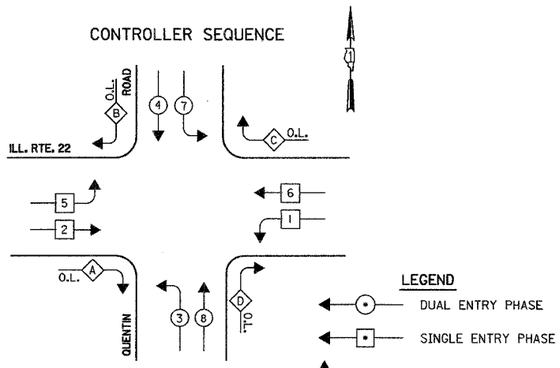
CONTRACT NO. 62030

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM
6	EACH	HANDHOLE
4	EACH	HEAVY-DUTY HANDHOLE
2	EACH	DOUBLE HANDHOLE
1	EACH	FULL - ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
1	EACH	TRANSCEIVER - FIBER OPTIC
10	EACH	TRAFFIC SIGNAL BACKPLATE
11	EACH	INDUCTIVE LOOP DETECTOR
* 1	EACH	LIGHT DETECTOR
1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
* 2	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT
* 1	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
10	EACH	REMOVE EXISTING HANDHOLE
7	EACH	REMOVE EXISTING CONCRETE FOUNDATION
4.29	SQ M	SIGN PANEL - TYPE 1
302.4	METER	CONDUIT IN TRENCH, 50MM DIA., GALVANIZED STEEL
66.4	METER	CONDUIT IN TRENCH, 65MM DIA., GALVANIZED STEEL
9.7	METER	CONDUIT IN TRENCH, 100MM DIA., GALVANIZED STEEL
45.3	METER	CONDUIT PUSHED, 50MM DIA., GALVANIZED STEEL
82.7	METER	CONDUIT PUSHED, 100MM DIA., GALVANIZED STEEL
46.0	METER	CONDUIT PUSHED, 125MM DIA., GALVANIZED STEEL
376.6	METER	TRENCH AND BACKFILL FOR ELECTRICAL WORK
252.0	METER	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
465.7	METER	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
878.3	METER	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
1021.8	METER	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
41.6	METER	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C
4	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 4.85 M
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE 12.80M
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE 13.41M
2	EACH	STEEL MAST ARM ASSEMBLY AND POLE 14.63M
4.8	METER	CONCRETE FOUNDATION, TYPE A
1.2	METER	CONCRETE FOUNDATION, TYPE D
8.2	METER	CONCRETE FOUNDATION, TYPE E 750MM DIAMETER
9.2	METER	CONCRETE FOUNDATION, TYPE E 900MM DIAMETER
233.2	METER	ELECTRIC CABLE IN CONDUIT, GROUNDING NO. 6 1C (GREEN)
* 252.0	METER	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED
244.8	METER	PREFORMED DETECTOR LOOP
1	EACH	SERVICE INSTALLATION, POLE MOUNT
4	EACH	SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED
6	EACH	SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED
2	EACH	SIGNAL HEAD, L.E.D., 2-FACE, 5-SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, L.E.D., 2-FACE, 1-3-SECTION, 1-5 SECTION BRACKET MOUNTED

* 100% COST TO VILLAGE OF LAKE ZURICH

CONTROLLER SEQUENCE



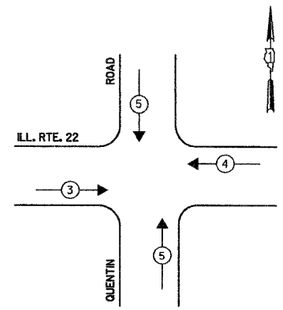
PHASE DESIGNATION DIAGRAM

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	3
B	=	4	+	5
C	=	6	+	7
D	=	8	+	1

LEGEND

- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- O.L. OVERLAP
- • NUMBER REFERS TO ASSOCIATED PHASE

EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT	⇉↑	↓↑	⇇↓

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

GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
6035 N.NORTHWEST HIGHWAY
SUITE 306
CHICAGO, ILLINOIS 60631 TEL. (773) 774-5910

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PHASE DESIGNATION DIAGRAM
EMERGENCY VEHICLE PREEMPTION SEQUENCE
SCHEDULE OF QUANTITIES
ILLINOIS ROUTE 22
AT QUENTIN ROAD

SCALE: NONE
DATE: MARCH 11, 2005

DRAWN BY: EAO
DESIGNED BY: BC/PKG
CHECKED BY: PKG/RMM