F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
337	20 WRS-6	LAKE	318	183
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT:		

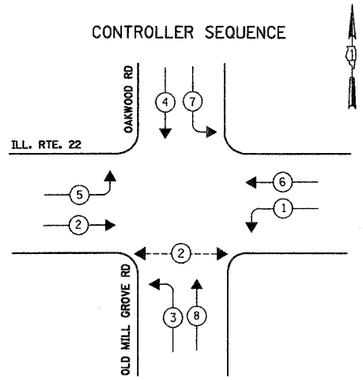
CONTRACT NO. 62030

SCHEDULE OF QUANTITIES

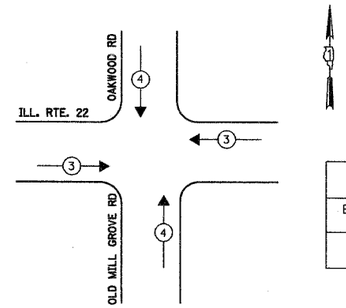
QUANTITY	UNIT	ITEM
5	EACH	HANDHOLE
4	EACH	HEAVY-DUTY HANDHOLE
1	EACH	DOUBLE HANDHOLE
1	EACH	FULL - ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
1	EACH	TRANSCEIVER - FIBER OPTIC
8	EACH	TRAFFIC SIGNAL BACKPLATE
8	EACH	INDUCTIVE LOOP DETECTOR
* 1	EACH	LIGHT DETECTOR
2	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
* 1	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
9	EACH	REMOVE EXISTING HANDHOLE
9	EACH	REMOVE EXISTING CONCRETE FOUNDATION
2.94	SQ M	SIGN PANEL - TYPE 1
2.78	SQ M	SIGN PANEL - TYPE 2
147.6	METER	CONDUIT IN TRENCH, 50MM DIA., GALVANIZED STEEL
35.2	METER	CONDUIT IN TRENCH, 65MM DIA., GALVANIZED STEEL
6.4	METER	CONDUIT IN TRENCH, 100MM DIA., GALVANIZED STEEL
51.4	METER	CONDUIT PUSHED, 50MM DIA., GALVANIZED STEEL
97.7	METER	CONDUIT PUSHED, 100MM DIA., GALVANIZED STEEL
260.3	METER	TRENCH AND BACKFILL FOR ELECTRICAL WORK
151.3	METER	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
260.2	METER	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
272.9	METER	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
645.0	METER	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
530.8	METER	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
45.8	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 10.36M
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE 10.97M
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
8.0	METER	CONCRETE FOUNDATION, TYPE E 900MM DIAMETER
216.4	METER	ELECTRIC CABLE IN CONDUIT, GROUNDING NO. 6 1C (GREEN)
• 102.9	METER	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED
318.6	METER	PREFORMED DETECTOR LOOP
1	EACH	SERVICE INSTALLATION, POLE MOUNT
4	EACH	SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED
4	EACH	SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, BRACKET MOUNTED
4	EACH	SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED
2	EACH	PEDESTRIAN SIGNAL HEAD, L.E.D. 1-FACE, BRACKET MOUNTED

• 100% COST TO VILLAGE OF LAKE ZURICH

CONTROLLER SEQUENCE



EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↓ ↑

PHASE DESIGNATION DIAGRAM

LEGEND

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

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 OAKWOOD ROAD-OLD MILL GROVE ROAD

SCALE: NONE
DATE: MARCH 11, 2005

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