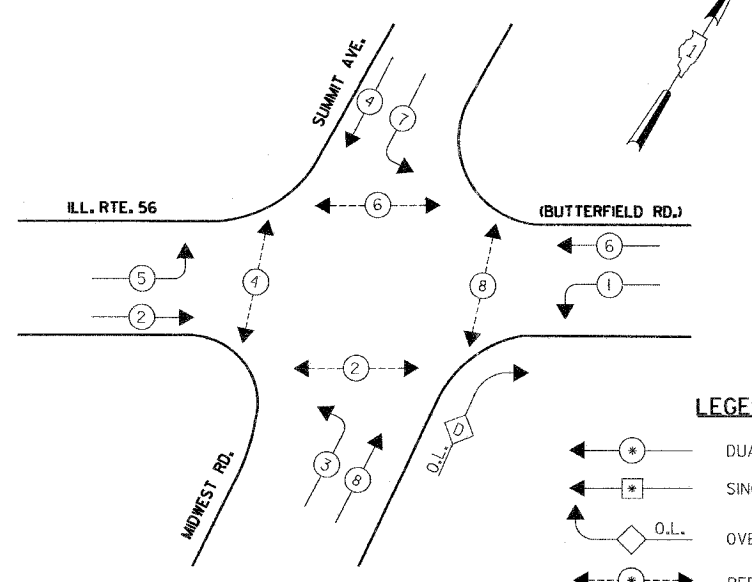


**SCHEDULE OF QUANTITIES**

QUANTITY	UNIT	ITEM
24	SQ FT	SIGN PANEL - TYPE 1
25	SQ FT	SIGN PANEL - TYPE 2
835	FOOT	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL
114	FOOT	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL
18	FOOT	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL
10	FOOT	CONDUIT IN TRENCH, 5" DIA., GALVANIZED STEEL
346	FOOT	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL
524	FOOT	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL
6	EACH	HANDHOLE
4	EACH	HEAVY-DUTY HANDHOLE
2	EACH	DOUBLE HANDHOLE
950	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
1	FOOT	TRANSCIVER-FIBER OPTIC
1532	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
1450	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
1152	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
2107	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
2964	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
54	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C
2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.
8	FOOT	CONCRETE FOUNDATION, TYPE A
4	FOOT	CONCRETE FOUNDATION, TYPE D
24	FOOT	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER
26	FOOT	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER
9	EACH	TRAFFIC SIGNAL BACKPLATE
10	EACH	INDUCTIVE LOOP DETECTOR
900	FOOT	DETECTOR LOOP, TYPE 1
2	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER
6	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
8	EACH	REMOVE EXISTING HANDHOLE
9	EACH	REMOVE EXISTING CONCRETE FOUNDATION
1	EACH	SERVICE INSTALLATION, POLE MOUNT
708	FOOT	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C (GREEN)
347	FOOT	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED
4	EACH	SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED
2	EACH	SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, BRACKET MOUNTED
5	EACH	SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED
1	EACH	SIGNAL HEAD, L.E.D., 2-FACE, 5-SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, L.E.D., 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
4	EACH	PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRACKET MOUNTED
2	EACH	PEDESTRIAN SIGNAL HEAD, L.E.D., 2-FACE, BRACKET MOUNTED

\* 100% COST TO THE VILLAGE OF OAKBROOK TERRACE

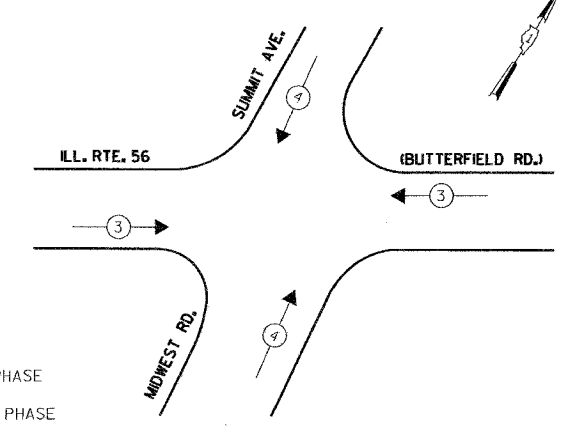
**CONTROLLER SEQUENCE**



**PHASE DESIGNATION DIAGRAM**

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
D	= 8	+ 1

**EMERGENCY VEHICLE PREEMPTION SEQUENCE**



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

**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.

**GO** GANDHI AND ASSOCIATES, INC.  
ENGINEERS AND PLANNERS  
6035 N. NORTHWEST HIGHWAY  
SUITE 305  
CHICAGO, ILLINOIS 60631 TEL. (773) 774-5910

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
PHASE DESIGNATION DIAGRAM  
EMERGENCY VEHICLE PREEMPTION SEQUENCE  
AND SCHEDULE OF QUANTITIES  
ILLINOIS ROUTE 56 (BUTTERFIELD ROAD)  
AT SUMMIT AVENUE-MIDWEST ROAD

SCALE: N.T.S.  
DATE: SEPTEMBER 03, 2004

DRAWN BY: JEK  
DESIGNED BY: PKG  
CHECKED BY: PKG