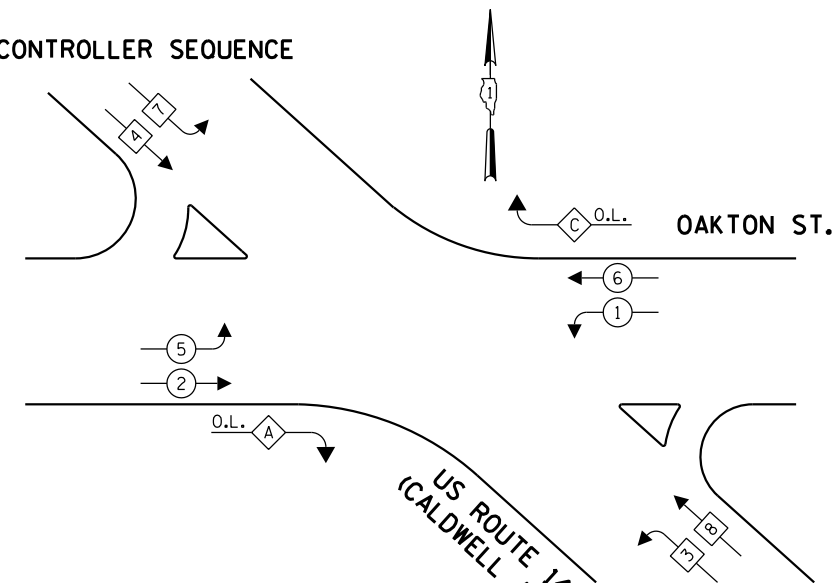


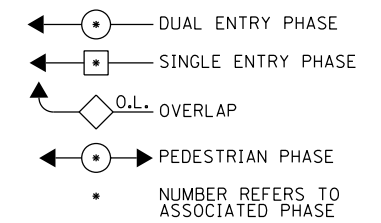
SCHEDULE OF QUANTITIES		
QUANTITY	UNIT	ITEM
122	FOOT	COMBINATION CURB AND GUTTER REMOVAL
122	FOOT	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.06
437	SQ FT	CONCRETE MEDIAN SURFACE, 4 INCH
35	SQ FT	SIGN PANEL - TYPE 1
27.5	SQ FT	SIGN PANEL - TYPE 2
126	SQ FT	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
243	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 24"
702	SQ FT	PAVEMENT MARKING REMOVAL
1	EACH	SERVICE INSTALLATION - POLE MOUNTED
1111	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.
93	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.
141	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.
630	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
128	FOOT	CONDUIT ATTACHED TO STRUCTURE, 2" DIA. GALVANIZED STEEL
7	EACH	HANDHOLE
4	EACH	HEAVY-DUTY HANDHOLE
2	EACH	DOUBLE HANDHOLE
1	EACH	TRANSCEIVER-FIBER OPTIC
• 1131	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
3219	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
2059	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
3338	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
38	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C
925	FOOT	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE 36 FT.
2	EACH	STEEL MAST ARM ASSEMBLY AND POLE 42 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE 44 FT.
12	FOOT	CONCRETE FOUNDATION, TYPE A
4	FOOT	CONCRETE FOUNDATION, TYPE C
50	FOOT	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER
8	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
4	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED
2	EACH	SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED
12	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
9	EACH	INDUCTIVE LOOP DETECTOR
615	FOOT	DETECTOR LOOP, TYPE I
• 4	EACH	LIGHT DETECTOR
• 1	EACH	LIGHT DETECTOR AMPLIFIER
1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
14	EACH	REMOVE EXISTING HANDHOLE
1	EACH	REMOVE EXISTING DOUBLE HANDHOLE
9	EACH	REMOVE EXISTING CONCRETE FOUNDATION
• 1131	FOOT	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C
437	SQ FT	CONCRETE MEDIAN SURFACE REMOVAL
1	EACH	FULL-ACTUATED CONTROLLER AND CABINET, TYPE IV, SPECIAL
1	EACH	UNINTERRUPTIBLE POWER SUPPLY, SPECIAL
1	EACH	TEMPORARY TRAFFIC SIGNAL TIMING

• 100% VILLAGE OF NILES

CONTROLLER SEQUENCE



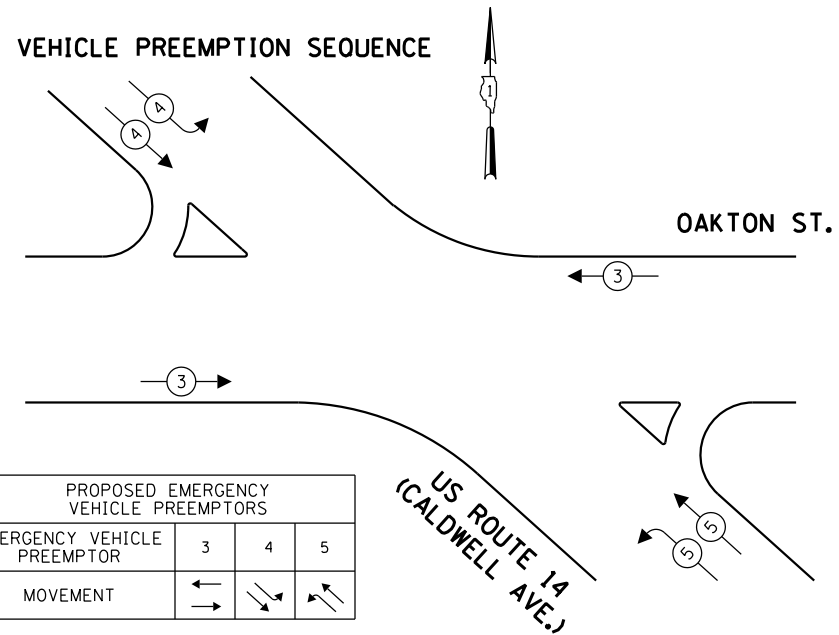
LEGEND



OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 3
C	= 6	+ 7

PHASE DESIGNATION DIAGRAM

EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTIONS			
EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT	←	↘	↗

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