

SUMMARY OF TRAFFIC SIGNAL QUANTITIES

ITEM	UNIT	TOTAL QUANTITY	IL. RTE. 22 & TELEGRAPH RD.	IL. RTE. 22 & WAUKEGAN RD.	IL. RTE. 22 & RIDGE RD./ TENNYSON LN.	IL. RTE. 22 & RIDGE RD.	INTERCONNECT
SIGN PANEL - TYPE 1	SQ FT	176	33	78.5	45	19.5	
SIGN PANEL - TYPE 2	SQ FT	30		30.0			
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	12,554	553	781	554	498	10,168
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	61	41	20			
CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	165	13	49	26	77	
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	292		268	12	12	
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	3,213	159	573	111	94	2,276
CONDUIT PUSHED, 2 1/2" DIA., GALVANIZED STEEL	FOOT	134	7	74		53	
CONDUIT PUSHED, 3" DIA., GALVANIZED STEEL	FOOT	58	58				
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	1,774	452	765	365	192	
CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL	FOOT	158					158
REMOVE EXISTING JUNCTION BOX	EACH	2		2			
HANDHOLE	EACH	38	4	8	4	4	18
HEAVY-DUTY HANDHOLE	EACH	10	2	5	2	1	
DOUBLE HANDHOLE	EACH	9	2	4	2	1	
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	13,072	607	1,118	592	587	10,168
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	2			1	1	
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1	1				
TRANSCEIVER - FIBER OPTIC	EACH	4		1	1	1	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	3,518	839	1,207	1,112	360	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	7,165	1,426	3,664	1,422	653	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	10,401	1,970	5,489	1,735	1,207	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	3,761	803	1,862	694	402	
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	13,630	2,255	7,682	2,053	1,640	
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	216	67	64	44	41	
TRAFFIC SIGNAL POST, GALVANIZED STEEL 9 FT.	EACH	1		1			
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	2	1			1	
TRAFFIC SIGNAL POST, GALVANIZED STEEL 12 FT.	EACH	1		1			
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	1				1	
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4	2	1		1	
STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1					
STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	3	1		1	1	
STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1				1	
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1				1	
STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1			1		
STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1			1		
STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	1	1				
STEEL MAST ARM ASSEMBLY AND POLE, 56 FT.	EACH	1		1			
STEEL MAST ARM ASSEMBLY AND POLE, 60 FT.	EACH	1	1				
STEEL COMB. MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	1			1		
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 54 FT. AND 50 FT.	EACH	1		1			
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 58 FT. AND 46 FT.	EACH	1		1			
STEEL COMB. MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 70 FT. AND 40 FT.	EACH	1		1			
CONCRETE FOUNDATION, TYPE A	FOOT	36	12	12		12	
CONCRETE FOUNDATION, TYPE C	FOOT	16	4	4	4	4	
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	140	37	16	52	35	
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	90	21	69			
DRILL EXISTING HANDHOLE	EACH	2					2
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	38	8	16	8	6	
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	8	2	2	2	2	
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	5	2		2	1	
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	10	2	5	2	1	
SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1		1			
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	4		4			
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED	EACH	1		1			
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6	4			2	
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6	1		4	1	
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	48	10	21	10	7	
INDUCTIVE LOOP DETECTOR	EACH	43	8	21	8	6	
DETECTOR LOOP, TYPE I	FOOT	1,117			689	428	
LIGHT DETECTOR	EACH	7	3	4			
LIGHT DETECTOR AMPLIFIER	EACH	2	1	1			
PEDESTRIAN PUSH-BUTTON	EACH	24	6	6	8	4	
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	4	1	1	1	1	
ILLUMINATED SIGN, LED	EACH	2		2			
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	4			2	2	
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	2			1	1	
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	4	1	1	1	1	
REMOVE EXISTING HANDHOLE	EACH	37	8	15	8	6	
REMOVE EXISTING CONCRETE FOUNDATION	EACH	33	9	9	9	6	
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	16,334					16,334
PREFORMED DETECTOR LOOP	FOOT	2,653	1,006	1,647			
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1					1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	4	1	1	1	1	
RAILROAD, FULL-ACTUATED CONTROLLER AND TYPE V CABINET (SPECIAL)	EACH	1		1			
SERVICE INSTALLATION - POLE MOUNTED	EACH	4	1	1	1	1	
UNINTERRUPTIBLE POWER SUPPLY	EACH	4	1	1	1	1	
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	16,508					16,508
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	2,632	562	1,136	461	473	
ELECTRIC CABLE IN CONDUIT, RAILROAD, NO. 14 3C	FOOT	181		181			
ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	2,299	545	1,231	258	265	
RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1		1			
MEDIA CONVERTER	EACH	1					1
ELECTRIC CABLE IN CONDUIT, COAXIAL	FOOT	528		528			
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1					
LAYER II (DATALINK) SWITCH	EACH	1		1			
TERMINATE FIBER IN CABINET	EACH	20					20
SPLICE FIBER IN CABINET	EACH	24					24
VIDEO ENCODER	EACH	1		1			
ELECTRIC CABLE IN CONDUIT, 4/C #20, VIDEO	FOOT	528		528			