

TRAFFIC SIGNAL SCHEDULE OF QUANTITIES

ITEM	UNIT	TOTAL QUANTITY	RED HAW LANE & RANDALL RD	DEAN STREET & RANDALL RD	ILLINOIS RTE. 64 & RANDALL RD	PRAIRIE STREET & RANDALL RD	ILLINOIS RTE. 38 & RANDALL RD	RANDALL RD. SYSTEM INTERCONNECT
SIGN PANEL - TYPE 1	SQ FT	82		27	55			
SIGN PANEL - TYPE 2	SQ FT	25			25			
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	5005		410	115			4480
CONDUIT IN TRENCH, 2-1/2" DIA., GALVANIZED STEEL	FOOT	270		70	200			
CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	20		20				
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	190		20	170			
CONDUIT IN TRENCH, 5" DIA., GALVANIZED STEEL	FOOT	16		16				
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	65						65
CONDUIT PUSHED, 3" DIA., GALVANIZED STEEL	FOOT	105		105				
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	1290		560	700			30
HANDHOLE	EACH	11		6				9
DOUBLE HANDHOLE	EACH	7		2	5			
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	5500		535	485			4480
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1		1				
FULL-ACTUATED CONTROLLER AND TYPE V CABINET	EACH	1			1			
TRANSCEIVER - FIBER OPTIC	EACH	2		1	1			
UNINTERRUPTIBLE POWER SUPPLY	EACH	2		1	1			
ELECTRICAL CABLE IN CONDUIT, TRACER NO. 14 1C	FOOT	7600						7600
ELECTRICAL CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	3697		1764	1933			
ELECTRICAL CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	6670		3455	3215			
ELECTRICAL CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	4886		1016	3870			
ELECTRICAL CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	5289		3084	2205			
ELECTRICAL CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1330		1330				
ELECTRIC CABLE IN CONDUIT, COMMUNICATION NO. 16, 5.5 PAIR	FOOT	2258		1120	1140			
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	187		61	126			
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	7962						7962
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	1798		832	966			
ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	1934		654	1280			
ELECTRIC CABLE IN CONDUIT, COAXIAL	FOOT	85			85			
TRAFFIC SIGNAL POST, PAINTED STEEL 10 FT.	EACH	2		2				
TRAFFIC SIGNAL POST, PAINTED STEEL 16 FT.	EACH	6		2	4			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT. WITH 15 FT. LIGHTING ARM AT 40 FT. MOUNTING HEIGHT	EACH	1		1				
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT. WITH 15 FT. LIGHTING ARM AT 40 FT. MOUNTING HEIGHT	EACH	1		1				

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STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT. WITH 15 FT. LIGHTING ARM AT 40 FT. MOUNTING HEIGHT	EACH	2		2				
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT. WITH DUAL 15 FT. LIGHTING ARMS AT 45 FT. MOUNTING HEIGHT	EACH	1			1			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT. WITH DUAL 15 FT. LIGHTING ARMS AT 45 FT. MOUNTING HEIGHT	EACH	1			1			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 55 FT. WITH DUAL 15 FT. LIGHTING ARMS AT 45 FT. MOUNTING HEIGHT	EACH	2			2			
CONCRETE FOUNDATION, TYPE A	FOOT	38		19	19			
CONCRETE FOUNDATION, TYPE D	FOOT	8		4	4			
CONCRETE FOUNDATION, TYPE E 36" DIAMETER	FOOT	120		60	60			
DRILL EXISTING HANDHOLE	EACH	1						1
TRAFFIC SIGNAL BACKPLATE, LOUVERED ALUMINUM	EACH	20		8	12			
INDUCTIVE LOOP DETECTOR	EACH	6		6				
DETECTOR LOOP, TYPE 1	FOOT	162		162				
* LIGHT DETECTOR	EACH	7		3	4			
* LIGHT DETECTOR AMPLIFIER	EACH	2		1	1			
PEDESTRIAN PUSH-BUTTON	EACH	16		8	8			
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	2		1	1			
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	3	1			1	1	
MAINTAIN EXISTING TRAFFIC SIGNAL INTERCONNECT	L. SUM	1						1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2		1	1			
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	4330						4330
REMOVE EXISTING HANDHOLE	EACH	27		10	13			4
REMOVE EXISTING CONCRETE FOUNDATION	EACH	18		9	9			
SIGNAL HEAD, POLY, L.E.D., 1-FACE, 3-SECTION, MAST ARM MTD	EACH	12		2	10			
SIGNAL HEAD, POLY, L.E.D., 1-FACE, 5-SECTION, BRACKET MTD	EACH	2			2			
SIGNAL HEAD, POLY, L.E.D., 1-FACE, 5-SECTION, MAST ARM MTD	EACH	8		6	2			
SIGNAL HEAD, POLY, L.E.D., 2-FACE, 5-SECTION, BRACKET MTD	EACH	2		2				
SIGNAL HEAD, POLY, L.E.D., 2-FACE, 1-3 SEC., 1-5 SEC., BRACKET MTD	EACH	6		2	4			
PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRACKET MOUNTED	EACH	14		6	8			
PEDESTRIAN SIGNAL HEAD, L.E.D., 3-FACE, BRACKET MOUNTED	EACH	2		2				
SERVICE INSTALLATION, GROUND MOUNTED	EACH	2		1	1			
VIDEO DETECTION SYSTEM (COMPLETE INTERSECTION)	EACH	2		1	1			
REMOTE-CONTROLLED VIDEO SYSTEM	EACH	1			1			
VIDEO TRANSMISSION SYSTEM	EACH	1			1			
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM	L. SUM	1						1

* 100% TO BE PAID BY THE CITY OF ST. CHARLES

DIVISION OF TRANSPORTATION	
TRAFFIC SIGNAL SCHEDULE OF QUANTITIES	
RANDALL ROAD (RED HAW LANE TO IL. RTE. 38)	
NAME	DATE
REVISIONS	
SCALE: NONE	DRAWN BY: JMH
DATE: SEPTEMBER 23, 2004	DESIGNED BY: DMH
	CHECKED BY: JRL