

TRAFFIC SIGNAL SCHEDULE OF QUANTITIES

ITEM	UNIT	IL RTE 56 AT IL RTE 59	IL RTE 56 AT BATAVIA ROAD	IL RTE 56 AT WINFIELD ROAD	IL RTE 59 INTERCONNECT	IL RTE 56 INTERCONNECT	TOTAL
SIGN PANEL - TYPE 1	SQ FT	55	55	56.5			166.5
SIGN PANEL - TYPE 2	SQ FT	30	30	30			90
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	1063	580	1220	357	3111	6331
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	134	213	112			459
CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	18	44	52			114
CONDUIT IN TRENCH, 3 1/2" DIA., GALVANIZED STEEL	FOOT		29	10			39
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	106	77	92			275
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	274	53	236		144	707
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	560	991	601			2152
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., GALVANIZED STEEL	FOOT					224	224
HANDHOLE	EACH	4	6	3		1	14
HEAVY-DUTY HANDHOLE	EACH	6	2	6		5	19
DOUBLE HANDHOLE	EACH	2	4	3			9
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1255	922	1427	357	3111	7072
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH				1		1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH			1			1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1					1
FULL-ACTUATED CONTROLLER AND TYPE V CABINET	EACH		1				1
MASTER CONTROLLER	EACH					1	1
TRANSCIVER - FIBER OPTIC	EACH	1	1	1			3
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	859	1358	3278			5495
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2037	6222	2932			11191
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3241	6162	3221			12624
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2035		2076			4111
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	4953	2962	4464			12379
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	42	28	32			102
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH		3				3
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH		4				4
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH			1			1
STEEL MAST ARM ASSEMBLY AND POLE, 16 FT.	EACH	3		2			5
STEEL MAST ARM ASSEMBLY AND POLE, 18 FT.	EACH			1			1
STEEL MAST ARM ASSEMBLY AND POLE, 22 FT.	EACH		2				2
STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1					1
STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH		1				1
STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH		2				2
STEEL MAST ARM ASSEMBLY AND POLE, 56 FT.	EACH		1	1			2
STEEL MAST ARM ASSEMBLY AND POLE, 66 FT.	EACH			1			1
STEEL MAST ARM ASSEMBLY AND POLE, 68 FT.	EACH			1			1
STEEL MAST ARM ASSEMBLY AND POLE, 74 FT.	EACH			1			1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT. (SPECIAL)	EACH	1					1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 54 FT. (SPECIAL)	EACH	2					2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 55 FT. (SPECIAL)	EACH	1					1
CONCRETE FOUNDATION, TYPE A	FOOT		24	4			28
CONCRETE FOUNDATION, TYPE C	FOOT	4	4	4			12
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	40	20	30			90
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	58	43				101
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT		21	96			117
DRILL EXISTING HANDHOLE	EACH				1		1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	12	16	11			39
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH		4				4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	8		7			15
SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH		2				2
SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH			1			1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2	6	2			10
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	1	2	3			6
PEDESTRIAN SIGNAL HEAD, LED, 3-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH		2				2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	20	16	18			54
INDUCTIVE LOOP DETECTOR	EACH	15	10	14			39
DETECTOR LOOP, TYPE I	EACH	987	875	924			2786
LIGHT DETECTOR	EACH	4*	4*	2**			10
LIGHT DETECTOR AMPLIFIER	EACH	1*	1*	1**			3
PEDESTRIAN PUSH-BUTTON	EACH	4	12	16			32
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1	1	1			3
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH			2**			2
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH			1**			1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT				3500		3500
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	1	1			3
REMOVE EXISTING HANDHOLE	EACH	12	13	12			37
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9	8	9			26
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT				2284	4478	6762
OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH					1	1
TEMPORARY TRAFFIC SIGNAL TIMINGS	EACH	1	1	1			3
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM - LEVEL I	EACH				1		1
SERVICE INSTALLATION, POLE MOUNT	EACH	1	1	1			3
UNINTERRUPTIBLE POWER SUPPLY	EACH	1	1	1			3
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT				2296	4501	6797
ELECTRIC CABLE IN CONDUIT, GROUNDING NO. 6 1C	FOOT	903	1497	986			3386
ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	1144*	1662*	1128**			3934

* DENOTES 100% OF COST TO CITY OF WARRENVILLE
 ** DENOTES 100% OF COST TO WARRENVILLE FIRE PROTECTION DISTRICT

FILE NAME = TS-01.dgn
 PLOT DATE = 12/28/2010

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DESIGNED - R.A.S.	REVISED -
DRAWN - R.A.S.	REVISED -
CHECKED - A.D.O.	REVISED -
DATE - AUGUST 2010	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TRAFFIC SIGNAL SCHEDULE OF QUANTITIES
 IL ROUTE 56 (BUTTERFIELD ROAD)
 WEST OF IL ROUTE 59 TO EAST OF WINFIELD ROAD

SCALE: NONE SHEET NO. OF SHEETS STA. TO STA.

REVISED 12-20-10

TS-1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(58&59) WRS-3	DuPAGE	466	284
CONTRACT NO. 62420				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				