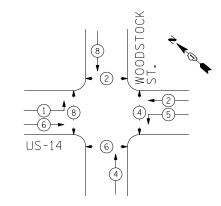
SCHEDULE OF QUANTITIES

ITEM	UNIT	QTY
LED INTERNALLY ILLUMINATED STREET NAME SIGN	EA	4
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FT	610
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FT	16
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FT	47
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FT	452
HANDHOLE	EA	4
HEAVY-DUTY HANDHOLE	EA	2
DOUBLE HANDHOLE	EA	2
RELOCATE EXISTING TRAFFIC SIGNAL CONTROLLER AND CABINET, COMPLETE	EA	1
TRANSCEIVER - FIBER OPTIC	EA	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FT	1356
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FT	2165
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FT	1852
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FT	816
ELECTRIC CABLE IN CONDUIT, LEAD-IN NO. 141 PAIR	FT	1353
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2/C	FT	44
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EA	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EA	2
PEDESTRIAN PUSH-BUTTON POST, GALVANIZED STEEL, TYPE I	EA	1
STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EA	2
STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EA	1
STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EA	1
CONCRETE FOUNDATION, TYPE A	FT	12
CONCRETE FOUNDATION, TYPE C	FT	4
CONCRETE FOUNDATION, TYPE E 36 INCH DIAMETER	FT	48
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EA	8
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EA	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EA	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EA	2
PEDESTRIAN SIGNAL HEAD, 1-FACE, LED, BRACKET MOUNTED WITH COUNTDOWN TIMER	EA	6
PEDESTRIAN SIGNAL HEAD, 2-FACE, LED, BRACKET MOUNTED WITH COUNTDOWN TIMER	EA	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINIUM	EA	10
INDUCTIVE LOOP DETECTOR	EA	6
LIGHT DETECTOR	EA	2
LIGHT DETECTOR AMPLIFIER	EA	1
PEDESTRIAN PUSH-BUTTON	EA	8
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EA	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EA	1
REMOVE EXISTING HANDHOLE	EA	7
REMOVE EXISTING CONCRETE FOUNDATION	EA	10
DETECTOR LOOP, TYPE I	FT	612
TEMPORARY TRAFFIC SIGNAL TIMING	EA	1
SERVICE INSTALLATION - POLE MOUNTED	EA	1
UNINTERRUPTIBLE POWER SUPPLY SPECIAL	EA	1
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 61C	FT	573
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 8 1C	FT	353
100% LOCAL AGENCY COST	FI	333

WOODSTOCK ST. PROP. INTERCONNECT TO CRYSTAL LAKE AVE. PROP. INTERCONNECT TO IL RTE. 176 **≯** ← TRACER CABLE NO. TRACER CABLE US ROUTE 14 (NORTHWEST HWY) LED STREET NAME-SIGN (TYP.) **>> (=**

CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM

LEGEND

◆ DUAL ENTRY PHASE

→ INGLE ENTRY PHASE

OVERLAP

→ → PEDESTRIAN PHASE

NUMBER REFERS TO ASSOCIATED PHASE

CABLE PLAN

100% LOCAL AGENCY COST

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	WATTAGE		WATTAGE / WERATTONS		TOTAL	
		I NCAND.	LED		WATTAGE		
SIGNAL (RED)	14	135	17	0.50	119		
(YELLOW)	14	135	25	0.25	87.5		
(GREEN)	14	135	15	0.25	52.5		
ARROW	8	135	12	0.10	9.6		
PED. SIGNAL	8	90	25	1.00	200.00		
CONTROLLER	1	100	100	1.00	100.00		
FLASHER			25	0.50			
LED SIGN	2		90	0.50	90.00		
LED SIGN (6'+)	2		120	0.50	120.00		

CITY OF CRYSTAL LAKE

100 WEST WOODSTOCK ST CRYSTAL LAKE, ILLINOIS 60014

ENERGY SUPPLY: CONTACT: PHONE:

MIKE WIDHALM (815) 263-5624 COMED

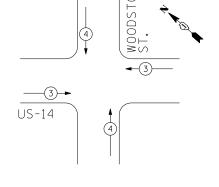
TOTAL =

THE EMERGENCY PREEMPTION EQUIIPMENT FOR THIS PROJECT SHALL BE "OPTICOM" BRAND TO MATCH THE EXISTING CITY SYSTEM.

NOTE: THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.

RESTORATION OF WORK AREA: RESTORATION OF THE TRAFFIC WORK AREA SHALL BE INCLUDED IN THE COST OF THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH, AND BACKFILL ETC. AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC, SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVETY. AND 250 RESPECTIVELY.



EMERGENCY VEHICLE PREEMPTION SEQUENCE

PROPOSED EMERGENCY	VEHICLE PRE	EMPTORS
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	±	₩Å

FILE NAME : ...\D162517-SHT-TS04A.dgn

ENERGY COSTS TO:

USER NAME = rswanson	DESIGNED	-	JW	REVISED -
	DRAWN	-	JW	REVISED -
PLOT SCALE = 20:1	CHECKED	-	RS	REVISED -
PLOT DATE = 6/6/2014	DATE	-	10/15/2013	REVISED -

778.6

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF	QUANTITIES, CAI	BLE PLAN,	PHASE D	ESIGNATION DIAGRAM,	F.A.P RTE.	
AND	EMERGENCY V US RTE. 14				305	
SCALE: NONE	SHEET NO. 1 OF	1 SHEETS	STA.	TO STA.	FED. RO	AD DIST. N

SECTION COUNTY 27R-3 MCHENRY 431 308 CONTRACT NO. 62517 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT