SCHEDULE OF QUANTITIES				
ITEM	UNIT QTY	P = COLLEGE * ANCE *	NO. 6 S	
LED INTERNALLY ILLUMINATED STREET NAME SIGN	EA 4		, si≡	
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA. UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FT 1020 FT 20			
UNDERGROUND CONDUIT, GALVANIZED STELE, 21/2 DIA.	FT 24	$P = \bigcup_{u=1}^{NO.6} \bigcup_{u=1}^{NO.6} \bigcup_{u=1}^{MA}$		
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FT 478			
HANDHOLE	EA 5			
HEAVY-DUTY HANDHOLE DOUBLE HANDHOLE	EA 4 EA 2		C PROP INTERCONNECT	
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EA 2		TO RIDGEFIELD RD (SOUTH)	
TRANSCEIVER - FIBER OPTIC	EA 1			
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FT 195			
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FT 1578 FT 1331		+(7) $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 147C	FT 1536			
ELECTRIC CABLE IN CONDUIT, LEAD-IN NO. 14 1 PAIR	FT 2817			
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2/C	FT 72	$ \begin{array}{c} \hline & & \\ \hline \\ \hline$		
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT. STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EA 3 EA 1		AND SAMPLING (SYSTEM) DETECTORS	
STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EA 1			
STEEL MAST ARM ASSEMBLY AND POLE, 56 FT.	EA 1			
STEEL MAST ARM ASSEMBLY AND POLE, 68 FT.	EA 1 FT 12	<u>3</u> <u>N0. 20</u> ►►◀		
CONCRETE FOUNDATION, TYPE A CONCRETE FOUNDATION, TYPE C	FT 4		(NORTHWEST HWY.)	
CONCRETE FOUNDATION, TYPE E 36 INCH DIAMETER	FT 28		3	
CONCRETE FOUNDATION, TYPE E 42 INCH DIAMETER	FT 46		5 1	
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EA 7 EA 4	LED STREET NAME		
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EA 4		3)	
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EA 2			
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EA 11			
INDUCTIVE LOOP DETECTOR * LIGHT DETECTOR	EA 11 EA 2		I MA	
* LIGHT DETECTOR AMPLIFIER	EA 1	AND SAMPLING (SYSTEM)		
PEDESTRIAN PUSH-BUTTON	EA 2			
TEMPORARY TRAFFIC SIGNAL INSTALLATION REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EA 1 EA 1			CONTROLLER SEQUENCE
** REMOVE EXISTING HANDHOLE	EA 6			
** REMOVE EXISTING CONCRETE FOUNDATION	EA 7			
PREFORMED DETECTOR LOOP • 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. 6 1C	FT 630			
 # ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED # DENOTES 100% LOCAL AGENCY COST 	FT 448	I CABLE PLAN	EMERGENCY VEHICLE PREEMPTION SEQUENCE	
	AND COLLEGE		. Ψ _Ω	
 DENOTES ITEMS ASSOCIATED WITH THE TRAFFIC SIGNAL AT US RTE 14 ENTRANCE NO. 1 (TO BE REMOVED BY THIS CONTRACT) 			the second se	US-14
I.D.O.T.				
TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				
TYPE NO. OF LAMPS WATTAGE % OPERATIONS TOTAL		NOTE: THE EMERGENCY PREEMPTION EQUIPMENT FOR THIS PROJECT SHALL		
I NCAND. LED WATTAGE		BE "OPTICOM" BRAND TO MATCH THE EXISTING CITY SYSTEM.		
SIGNAL (RED) 15 135 17 0.50 127.50 (YELLOW) 15 135 25 0.25 93.75		NOTE:		
(GREEN) 15 135 15 0.25 56.25		THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT	$US-14$ (\Box)	PHASE DESIGNATION DIAGRAM
ARROW 16 135 12 0.10 19.2		SHALL BE "ECONOLITE" TO MATCH EXISTING ADJACENT SYSTEM.	$ \qquad \forall \qquad $	
PED. SIGNAL 2 90 25 1.00 50.00 CONTROLLER 1 100 100 1.00 100.00			CAN	
FLASHER 25 0.50		THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.		LEGEND
LED SIGN 1 90 0.50 45.00 LED SIGN (6'+) 3 120 0.50 180.00				- OUAL ENTRY PHASE
				- SINGLE ENTRY PHASE
ENERGY COSTS TO: TOTAL = 671.7		RESIGNATION OF WORK AREA: RESIGNATION OF THE TRAFFIC WORK AREA SHALL BE INCLUDED IN THE COST OF THE RELATED	PROPOSED EMERGENCY VEHICLE	
CITY OF CRYSTAL LAKE		PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH,		OVERLAP
100 WEST WOODSTOCK ST		AND BACKFILL ETC. AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS,	EMERGENCY VEHICLE 3 4 PREEMPTOR	← (•)── PEDESTRIAN PHASE
CRYSTAL LAKE, ILLINOIS 60014		MEDIANS, SIDEWALKS, PAVEMENT, ETC, SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH	MOVEMENT 5	* NUMBER REFERS TO ASSOCIATED PHASE
		AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252		
ENERGY SUPPLY: CONTACT: <u>MIKE WIDHALM</u> PHONE: <u>(815) 263-5624</u>		AND 250 RESPECTIVELY.		
COMPANY: COMED				
FILE NAME = USER NAME = rswonson DESIGNED - \D162517-SHT-TSØ1A.dgn DRAWN -	GR GR	REVISED - STATE OF ILLINOIS	SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGR AND EMERGENCY VEHICLE PREEMPTION SEQUENCE	
PLOT SCALE = 20:1 CHECKED -	RS	REVISED DEPARTMENT OF TRANSPORTATION	US RTE. 14 AND COLLEGE ENTRANCE NO. 3	305 27R-3 MCHENRY 431 291 CONTRACT NO. 62517
PLOT DATE = 6/6/2014 DATE -	10/15/2013	REVISED -	SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT









