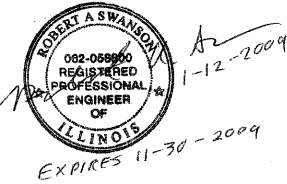


**LEGENDS**

**DESCRIPTION**

EXISTING	PROPOSED	
—A—	⊗	400W, 120V, MCIII HPS. WITH PHOTO CELL 15' MA, 50 MH ON WOOD POLE,
—AC—	⊗	AERIAL LINE (COMED/TELEPHONE)
⊗	⊗	AERIAL ELECTRIC CABLE (OF SIZE NOTED) WITH MESSENGER WIRE WOODEN POLE
	TL-1	TEMPORARY LIGHTING UNIT NUMBER - ONE
	⊕	5/8" x 10' GROUND ROD
	⊕	COMBINATION LIGHTING AND TRAFFIC POLE MOUNTED ELECTRICAL SERVICE BOX
⊕		COMED POWER POLE
⊕		TELEPHONE SPLICE BOX
	□	TRAFFIC SIGNAL LOOP
	⊕	TRAFFIC SIGNAL

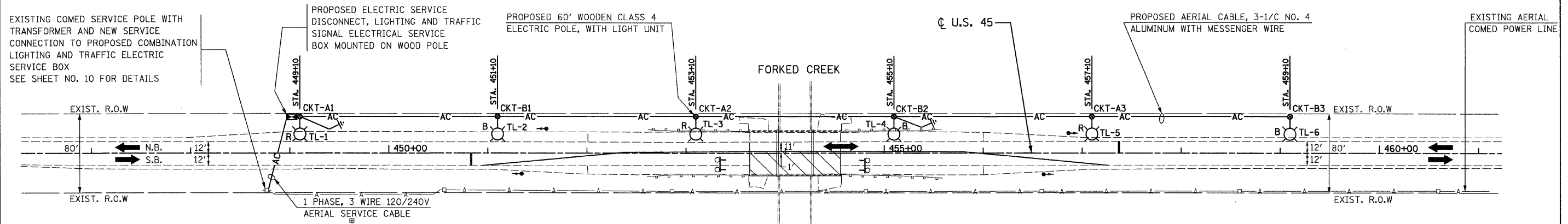


**BILL OF MATERIALS - TEMPORARY LIGHTING**

ITEM DESCRIPTION	UNIT	QUANTITY
ELECTRIC SERVICE INSTALLATION	EACH	1
ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1
AERIAL CABLE, 3-1/4 NO. 4 WITH MESSENGER WIRE	FOOT	1,060
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 400 WATT	EACH	6
LIGHT POLE, WOOD, 60 FOOT, CLASS 4, WITH 15 FT. MAST ARM	EACH	6
REMOVAL OF TEMPORARY LIGHTING UNITS	EACH	6
MAINTENANCE OF LIGHTING SYSTEM	CAL MO	4
COMBINATION POLE MOUNTED ELECTRIC SERVICE BOX	EACH	1
GROUND ROD, 5/8" DIA. x 10 FT.	EACH	1
ELECTRIC SERVICE DISCONNECT, LIGHTING AND TRAFFIC SIGNAL	EACH	1



**MAINTENANCE OF TRAFFIC STAGE I CONSTRUCTION SHOWN  
TEMPORARY LIGHTING TO REMAIN ACTIVE DURING STAGE I & II**



**NOTES:**

- THE MATERIALS AND INSTALLATION METHODS SHALL COMPLY WITH THE LATEST CODES, STANDARDS AND ORDINANCES OF FEDERAL, STATE AND LOCAL GOVERNING BODIES HAVING JURISDICTION. ALL WORKS SHOWN ON THE PLANS AND DESCRIBED ELSEWHERE SHALL ALSO CONFORM TO THE LATEST NATIONAL ELECTRICAL CODE.
- ALL MATERIAL PARTS OF THE LIGHT POLES SHALL BE GROUNDED AND BONDED CONFORMING TO NEC ARTICLE 250. THE EQUIPMENT GROUND SHALL BE CONTINUOUS AND CONNECTED UP TO THE ELECTRICAL SYSTEM GROUND. THIS WORK SHALL BE INCLUDED IN THE LIGHT POLE PAY ITEM.
- THE LIGHT POLE SETBACK FROM THE EDGE OF TRAVEL PAVEMENT SHALL BE 20' TO AVOID CLEARZONE, UNLESS THE LIGHT POLE IS BEHIND GUARDRAIL. THE LIGHT POLES WHEN INSTALLED BEHIND THE GUARDRAIL SHALL HAVE AT LEAST EIGHT FOOT SETBACK FROM THE BACK OF THE SHOULDER AND OR AS DIRECTED BY THE ENGINEER.
- THE TEMPORARY LIGHT POLES SHALL HAVE IDENTIFICATION NUMBERS AS SHOWN ON THE PLANS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE LIGHTING AND TRAFFIC SIGNAL INSTALLATION. THE CONTRACTOR SHALL NOT INSTALL DAMAGED EQUIPMENT OR DEFECTIVE DEVICES, INSTEAD THE CONTRACTOR SHALL REPLACE IT WITH NEW ONES AT NO COST TO IDOT AND/OR AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL SPLICE AERIAL CABLE AT THE LIGHT POLE USING HEAT SHRINKABLE CAPS WITH THE FACTORY APPLIED WATERPROOF SEALANT. THE INSTALLATION AND REQUIRED MATERIAL SHALL BE INCLUDED IN THE LIGHT POLE PAY ITEM.
- THE CONTRACTOR SHALL FOLLOW THE CONSTRUCTION AND STAGING AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. FURTHERMORE, THE CONTRACTOR SHALL COORDINATE ALL SUCH ACTIVITIES BEING DONE IN THE SAME AREA BY THE UTILITY COMPANIES OR OTHER CONTRACTORS AND SETUP COORDINATION MEETINGS IF NECESSARY WITHOUT ANY ADDITIONAL FINANCIAL COMPENSATION.
- THE PROPOSED TEMPORARY LIGHTING SHALL BE COMPLETED, TESTED, OPERATIONAL AND VERIFIED BY IDOT BEFORE STAGE I TRAFFIC CONTROL IS IN PLACE. THE CONTRACTOR SHALL SUBMIT A STAGING SCHEDULE IDENTIFYING THE STARTING AND COMPLETION DATES PRIOR TO THE COMMENCEMENT OF WORK FOR PROCUREMENT, INSTALLATION AND/OR REMOVAL OF EXISTING MATERIAL AND/OR EQUIPMENT.
- ALL AREAS DISTURBED UNDER THIS CONTRACT SHALL BE RESTORED TO THE ORIGINAL CONDITION OR BETTER TO THE SATISFACTION OF THE ENGINEER.
- LIGHTING SHALL BE KEPT OPERATIONAL AND ACTIVE FROM ONE HOUR BEFORE SUNSET TO ONE HOUR AFTER SUNRISE. AS PER "NATIONAL ELECTRIC CODE", OVERHEAD SPANS OF AERIAL CABLE AND MESSENGER WIRE MUST HAVE A VERTICAL CLEARANCE OF 18' MINIMUM ABOVE THE GROUND AT ALL TIMES AND AT ALL LOCATIONS ON THE PROJECT.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT SO AS TO COMPLY WITH REQUIRED ELECTRICAL CLEARANCES PER NATIONAL ELECTRICAL CODE (NEC) SECTION 225-18, NATIONAL ELECTRICAL SAFETY CODE AND COMED REQUIREMENTS.
- GROUND RODS SHALL BE INSTALLED AT EVERY THIRD TEMPORARY LIGHT POLE AND SHALL BE PAID UNDER THE ITEM "GROUND ROD, 5/8" DIA. x 10 FT.", EXCEPT FOR THE GROUND ROD AT THE LIGHT POLE WITH SERVICE DISCONNECT BOX. THE LATTER (GROUND ROD) SHALL BE INCLUDED IN THE PAY ITEM "ELECTRIC SERVICE DISCONNECT, LIGHTING AND TRAFFIC SIGNAL".
- THE QUANTITIES AS SHOWN IN THE BILL OF MATERIALS FOR THE TEMPORARY LIGHTING IS APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL QUANTITIES PRIOR TO ORDERING ANY MATERIALS OR EQUIPMENT.
- THE TEMPORARY LIGHTING SHALL USE AERIAL CABLES AS SHOWN ON THE PLANS. HOWEVER, THE UNDERGROUND NEW ELECTRICAL INSTALLATION, IF ANY, SHALL BE AT A MINIMUM 30 INCHES BELOW GRADE AND SHALL HAVE ELECTRICAL WARNING TAPE CONFORMING TO IDOT STANDARDS.
- THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANY AS SOON AS POSSIBLE CONCERNING PENDING ELECTRICAL SERVICE INSTALLATION AND CONNECTION TO ENSURE THE AVAILABILITY OF ELECTRICAL POWER SUPPLY IN A TIMELY MANNER.
- THE CONTRACTOR MAY MODIFY ELECTRICAL IDOT STANDARD DETAILS AS NECESSARY TO SUIT SPECIFIC SITE CONDITIONS. HOWEVER, THE CONTRACTOR SHALL OBTAIN THE ENGINEER'S APPROVAL PRIOR TO THE INSTALLATION.
- THE REMOVAL OF TEMPORARY LIGHTING SHALL INCLUDE, BUT NOT LIMITED TO: ALL WOODEN POLES, LUMINAIRES WITH MAST ARMS, MESSENGER WIRES / CABLES, COM ED SERVICE CABLES, CONDUITS AND/OR SERVICE BOXES AND HAULING AWAY OF THESE ITEMS FROM THE PROJECT SITE. ALL TEMPORARY LIGHTING EQUIPMENT AND MATERIAL REMOVED FROM THE PROJECT SHALL BECOME THE PROPERTY OF THE CONTRACTOR.
- THE EXACT LOCATION OF EXISTING POWER POLES WITH COMED TRANSFORMERS TO BE DETERMINED IN THE FIELD. COMED CONTACT INFORMATION FOR THIS PROJECT IS AS FOLLOWS:  
FIELD REPRESENTATIVE: LUCILLE JONES (815) 724-5607  
ACCOUNT NO. 16751-03028, TRANSFORMER NO. 506312A1

FILE NAME = D168067-sht-light.dgn  
PLOT DATE = 1/12/2009

**CHRISTIAN-ROGE & ASSOCIATES, INC.**  
ENGINEERS-PLANNERS-SURVEYORS  
211 WEST WACKER DRIVE  
CHICAGO, ILLINOIS 60606  
PHONE: (312)372-2023 FAX: (312)372-5274

DESIGNED - M.A.  
DRAWN - M.A.  
CHECKED - E.J.M.  
DATE - JANUARY 12, 2009

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY LIGHTING PLAN  
U.S. 45**

SCALE: 1" = 50' SHEET NO. 1 OF 2 SHEETS STA. 446+29 TO STA. 461+23

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	105 B-3-I	WILL	18	9
CONTRACT NO. 60D67				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				