

TEMPORARY LIGHTING

LEGEND

EXISTING	PROPOSED	DESCRIPTION
		400W, 120V, MCIII HPS. WITH PHOTO CELL 15' MA, 50 MH ON WOOD POLE, R REPRESENTS RED AND B BLACK PHASE
		AERIAL LINE (COMED/TELEPHONE)
		AERIAL ELECTRIC CABLE (OF SIZE NOTED) WITH MESSENGER WIRE
		WOOD POLE 60' CLASS 4 (UNLESS OTHERWISE NOTED)
		TEMPORARY LIGHTING UNIT NUMBER - ONE
		CIRCUIT A1
		5/8" x 10' GROUND ROD
		COMBINATION LIGHTING AND TRAFFIC POLE MOUNTED ELECTRICAL SERVICE BOX
		COMED POWER POLE
		TELEPHONE SPLICE BOX

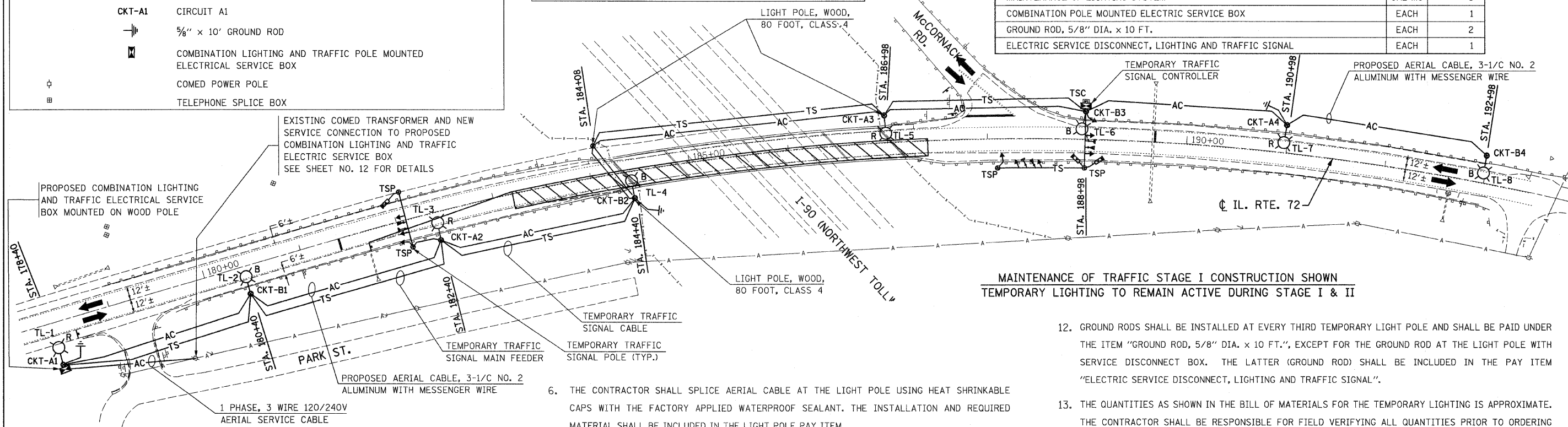
TEMPORARY TRAFFIC SIGNAL

LEGEND DESCRIPTION

	TRAFFIC SIGNAL HEAD
	WOOD POLE (TRAFFIC SIGNAL)
	VIDEO DETECTOR SENSOR (TRAFFIC SIGNAL)
	EMERGENCY VEHICLE LIGHT DETECTOR
	CONFIRMATION BEACON
	UNINTERRUPTIBLE POWER SUPPLY
	TEMPORARY TRAFFIC SIGNAL CONTROLLER CABINET

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/C NO. 2 WITH MESSENGER WIRE	FOOT	1,608
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 400 WATT	EACH	8
LIGHT POLE, WOOD, 60 FOOT, CLASS 4, WITH 15FT MAST ARM	EACH	8
LIGHT POLE, WOOD, 80 FOOT, CLASS 3, WITH 15FT MAST ARM	EACH	2
LIGHT POLE, WOOD, 80 FOOT, CLASS 4	EACH	1
REMOVAL OF TEMPORARY LIGHTING UNITS	EACH	8
REMOVE TEMPORARY WOOD POLE	EACH	1
MAINTENANCE OF LIGHTING SYSTEM	CAL MO	6
COMBINATION POLE MOUNTED ELECTRIC SERVICE BOX	EACH	1
GROUND ROD, 5/8" DIA. x 10 FT.	EACH	2
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.
- ALL TEMPORARY LIGHT POLES FOR THIS PROJECT SHALL BE LOCATED BEHIND EXISTING GUARDRAIL AND SHALL BE SET 15' BEHIND THE EDGE OF THE TRAVELED WAY, EXCEPT FOR POLE NO. TL-1 WHICH SHALL BE SET 30' BEHIND THE EDGE OF THE TRAVELED WAY. FINAL LOCATIONS OF ALL LIGHT POLES SHALL BE DIRECTED AND APPROVED 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: KRISTI BUTTS (847) 608-2331

ACCOUNT NO. 31270-17013, TRANSFORMER NO. 421234D4

FILE NAME = 62072 light1.dgn
PLOT DATE = 1/15/2009

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 - R.S.
DATE - JANUARY 15, 2009

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY LIGHTING PLAN
IL 72**

SCALE: 1" = 50' SHEET NO. 1 OF 2 SHEETS STA. 179+00 TO STA. 194+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	N-4-C-1	KANE	32	11
CONTRACT NO. 60D72				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				