

P.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1389	99-0062-00-PV	DUPAGE	199	110
CONTRACT NO. 83873				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

## GENERAL NOTES

- THE OWNER, CITY OF WEST CHICAGO SHALL BE NOTIFIED IN WRITING AT LEAST TWO (2) FULL WORKING DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL DISTURBED AREAS WITHIN THE PROJECT LIMITS INCLUDING ALL ABOVE AND BELOW GRADE APPURTENANCES. THE CONTRACTOR SHALL REPAIR ALL DAMAGE TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION/DIRECTION AND MEANS/METHODS OF CONSTRUCTION.
- ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE FOLLOWING SPECIFICATIONS, WHICH ARE HEREBY MADE A PART HEREOF:
  - "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS", AS PREPARED BY IDOT, LATEST EDITION.
  - "THE NATIONAL ELECTRICAL CODE," LATEST EDITION.
  - CITY OF WEST CHICAGO "CODE OF ORDINANCES."
- THE CONTRACT DRAWINGS AND SPECIFICATIONS ARE NOT INTENDED TO SHOW EVERY AND ALL DETAILS OF WORK TO BE PERFORMED OR EQUIPMENT TO BE SUPPLIED. THE INTENT OF THE CONTRACT DRAWINGS AND SPECIFICATIONS IS TO ILLUSTRATE THE CONCEPTUAL DESIGN AND LAYOUT. THE CONTRACTOR SHALL BE KNOWLEDGABLE AND REGULARLY ENGAGED IN THE TYPE OF WORK DESCRIBED BY THESE CONTRACT DRAWINGS AND SPECIFICATIONS AND SHALL BE RESPONSIBLE FOR UNDERSTANDING THEIR INTENT. ANY WORK TO BE PERFORMED OR ITEM OF EQUIPMENT TO BE SUPPLIED WHICH IS NOT SPECIFICALLY CALLED FOR BY THESE CONTRACT DRAWINGS AND SPECIFICATIONS, BUT WHICH IS NECESSARY TO PROVIDE A COMPLETE AND SUCCESSFUL WORKING SYSTEM SHALL BE INCLUDED IN THE CONTRACTOR'S SCOPE OF WORK AT NO ADDITIONAL COST TO THE OWNER.
- THE WORK PERFORMED UNDER THIS CONTRACT SHALL IN NO WAY INTERFERE WITH THE NORMAL OPERATION OF ANY EXISTING UTILITY SERVICE. THE CONTRACTOR SHALL FURNISH ALL NECESSARY ITEMS OF EQUIPMENT REQUIRED TO MAINTAIN SUCH NORMAL OPERATION AT NO ADDITIONAL COST TO THE OWNER. THE COST ASSOCIATED FOR THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE CONTRACT.
- BEFORE INSTALLING LIGHT STANDARDS NEAR OVERHEAD OR UNDERGROUND UTILITIES CONTRACTOR SHALL CALL ALL AFFECTED UTILITY COMPANIES FOR LOCATION APPROVAL.
- CONTRACTOR TO VERIFY LOCATION OF ALL UNDERGROUND UTILITIES BEFORE TRENCHING OR AUGERING.
- CONTRACTOR SHALL SUBMIT SPECIFICATIONS, DRAWINGS AND CATALOG CUTS FOR ALL MATERIAL TO THE OWNER'S REPRESENTATIVE FOR REVIEW BEFORE ORDERING ANY MATERIALS FOR THE PROJECT.
- LOCATION AND ORIENTATION OF CONTROLLER CABINET SHALL BE VERIFIED IN THE FIELD BY THE OWNER'S REPRESENTATIVE BEFORE FOUNDATION IS EXCAVATED OR POURED.
- ALL LIGHT STANDARDS SHALL BE LOCATED AS SHOWN ON PLANS.
- LUMINAIRES SHALL HAVE A TIGHT FIT ON LIGHT POLES TO THE OWNER'S SATISFACTION. THIS WORK SHALL INCLUDE FIELD ADJUSTING THE LUMINAIRE, WHICH WILL BE INCIDENTAL TO THE LUMINAIRE PAY ITEM.
- ALL POLE HANDHOLE DOORS SHALL FACE AWAY FROM DIRECTION OF TRAFFIC.
- PLACE A GROUND ROD 3/4" IN DIAMETER BY 10 FEET IN LENGTH APPROXIMATELY 2 FEET FROM EVERY POLE AND CONNECT TO THE POLE GROUNDING LUG VIA A #6 SOLID BARE COPPER WIRE WITH A MECHANICAL CONNECTION AT THE GROUND ROD.
- THE CONTRACTOR SHALL COORDINATE PLACEMENT OF ALL UNDERGROUND DUCT AND CONDUITS PRIOR TO CONSTRUCTION OF PROPOSED PAVEMENT, DRIVEWAYS AND SIDEWALKS.
- ALL UNIT DUCT SHALL BE 1 1/2" DIAMETER WITH 4-1/C #6, 1/C #6 GND XLP-TYPE USE CABLES (OR AS SHOWN ON PLANS).
- THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT STANDARD IS ERECTED.
- ALL FEES ASSOCIATED WITH THE CONNECTION OF COM ED ELECTRIC SERVICE TO ANY OF THE LIGHTING CONTROLLERS SHALL BE INCLUDED IN THE PRICE BID "ELECTRIC UTILITY SERVICE CONNECTION."

## RELOCATE EXISTING LIGHTING UNIT NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK REQUIRED TO INSTALL THE NEW LIGHT POLE FOUNDATION AND GROUND ROD PRIOR TO THE RELOCATION OF THE EXISTING LIGHTING UNIT. THESE ITEMS WILL BE PAID FOR SEPARATELY.
- IF THE LIGHTING UNIT MUST BE REMOVED FROM THE SITE PRIOR TO BEING RELOCATED, THE CONTRACTOR MUST NOTIFY THE OWNER'S REPRESENTATIVE AND VERIFY THAT THE UNIT DOES NOT HAVE ANY DEFICIENCIES. THE CONTRACTOR MUST THEN REMOVE THE LIGHTING UNIT FROM THE JOB SITE AND STORE THE POLE AT HIS SHOP UNTIL SUCH TIME THAT THE RELOCATION CAN TAKE PLACE. THE COSTS ASSOCIATED WITH REMOVING THE LIGHTING UNIT FROM THE SITE AND DELIVERING IT BACK TO THE SITE SHALL BE CONSIDERED INCIDENTAL TO THE PRICE BID FOR "RELOCATE EXISTING LIGHTING UNIT."
- WORK ASSOCIATED WITH RECONNECTING RELOCATED LIGHT STANDARDS SHALL BE COVERED UNDER THE SPECIAL PROVISION FOR "ELECTRICAL CONNECTION TO EXISTING LIGHTING SYSTEM."

## ROADWAY LIGHTING CONTROLLER RELOCATION NOTES

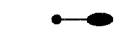

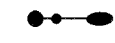
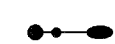


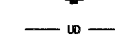

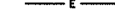

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THE ROADWAY LIGHTING SYSTEM ON INDUSTRIAL DRIVE OPERATIONAL THROUGHOUT THE DURATION OF CONSTRUCTION. THIS LIGHTING SYSTEM IS CONTROLLED BY A 120/240V, 1Ø, 3 WIRE PEDESTAL MOUNTED CONTROLLER LOCATED ON THE SOUTHWEST CORNER OF INDUSTRIAL DRIVE AND HAWTHORNE LANE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A NEW CONCRETE FOUNDATION AND GROUNDING FIELD (AS SHOWN ON LIGHTING DETAILS-3). THIS WORK SHALL ALSO INCLUDE THE EXTENSION AND RECONNECTION OF ALL EXISTING BRANCH CIRCUIT WIRING, ELECTRIC SERVICE ENTRANCE CONDUCTORS AND RELATED CONDUITS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE EXISTING LIGHTING SYSTEM DIRECTLY AFFECTED BY THE RELOCATION OF THE INDUSTRIAL DRIVE LIGHTING CONTROLLER. THIS WORK SHALL BE PAID FOR UNDER THE CONTRACT UNIT PRICE BID FOR "MAINTENANCE OF EXISTING LIGHTING SYSTEM, COMPLETE."
- THE CONTRACTOR SHALL PROVIDE A NEW PERMANENTLY MOUNTED PHOTOCELL, DRILLED AND TAPPED, ONTO THE UNDERSIDE OF THE EXISTING LIGHTING CONTROLLER IN ORDER TO MAINTAIN THE OPERATION OF THE EXISTING LIGHTING SYSTEM.
- ALL WORK IDENTIFIED IN "ROADWAY LIGHTING CONTROLLER RELOCATION NOTES" NUMBER 1 AND 2 AS WELL AS THE WORK COVERED BY SECTION 845.02 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (SSRBC) SHALL BE INCLUDED IN THE PRICE BID FOR "REMOVE AND RELOCATE EXISTING LIGHTING CONTROLLER." SECTIONS 845.03 AND 845.05 IN THE SSRBC SHALL BE COVERED BY THE PRICE BID FOR "REMOVAL OF ELECTRIC SERVICE INSTALLATION," AND "REMOVAL OF LIGHTING CONTROLLER FOUNDATION" RESPECTIVELY.

## SUMMARY OF QUANTITIES

CODE NO.	DESCRIPTION	UNIT	QUANTITY
80400100	ELECTRIC SERVICE INSTALLATION	EACH	4
81000700	CONDUIT IN TRENCH, 2 1/2" DIA. GALVANIZED STEEL	FOOT	610
81900200	TRENCH & BACKFILL FOR ELECTRICAL WORK	FOOT	9500
82500530	LIGHTING CONTROLLER CB-RCS-100 AMP-240 VOLT	EACH	4
83006500	LIGHT POLE, ALUMINUM, 30 FT. M.H., 12 FT. MAST ARM	EACH	60
83007600	LIGHT POLE, ALUMINUM, 35 FT. M.H., 15 FT. MAST ARM	EACH	21
83600200	LIGHT POLE FOUNDATION, CONCRETE, 24" DIAMETER	FOOT	729
83600215 *	LIGHT POLE FOUNDATION, CONCRETE, 24" DIAMETER, OFFSET	FOOT	108
83800105	BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 INCH, BOLT CIRCLE	EACH	81
84200700	LIGHTING FOUNDATION REMOVAL	EACH	7
84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	6
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1
84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1
X0321478 *	MAINTENANCE OF EXISTING LIGHTING SYSTEM, COMPLETE	LSUM	1
X8950077 *	REMOVE AND RELOCATE EXISTING LIGHTING CONTROLLER	EACH	1
XX000876 *	LUMINAIRE, METAL HALIDE, HORIZONTAL MOUNT, 250 WATT	EACH	81
*	LUMINAIRE, METAL HALIDE, VERTICAL MOUNT, 50 WATT	EACH	37
*	ELECTRICAL CONNECTION TO EXISTING LIGHTING SYSTEM	EACH	7
*	UNIT DUCT, 1 1/2" HDPE, WITH 4/C #6, 1/C #6 GND XLP TYPE USE, 600V	FOOT	11000

\* REFER TO PLAN DRAWINGS OR SPECIAL PROVISIONS FOR DETAILS

## LEGEND

	1	PROPOSED 30' ALUMINUM POLE WITH A 250 WATT MCIII COBRA HEAD TYPE LUMINAIRE ON A 12' MAST ARM (REFER TO LIGHTING DETAIL-2 FOR MODEL INFORMATION)
	2	PROPOSED 35' ALUMINUM POLE WITH A 250 WATT MCIII COBRA HEAD TYPE LUMINAIRE ON A 15' MAST ARM (REFER TO LIGHTING DETAIL-2 FOR MODEL INFORMATION)
	3	PROPOSED 30' ALUMINUM POLE WITH A 250 WATT MCIII COBRA HEAD TYPE LUMINAIRE ON A 12' MAST ARM AND 50 WATT ORNAMENTAL PEDESTRIAN LUMINAIRE (REFER TO LIGHTING DETAIL-2 FOR MODEL INFORMATION)
	4	PROPOSED 35' ALUMINUM POLE WITH A 250 WATT MCIII COBRA HEAD TYPE LUMINAIRE ON A 15' MAST ARM AND A 50 WATT ORNAMENTAL PEDESTRIAN LUMINAIRE (REFER TO LIGHTING DETAIL-2 FOR MODEL INFORMATION)
		EXISTING COM ED LIGHT POLE OR CITY OWNED LIGHT POLE (REFER TO PLANS)
		PROPOSED LIGHTING CONTROLLER
		PROPOSED COM ED SERVICE DROP LOCATION
		4-1/C #6 AND 1/C #6 GROUND XLP-TYPE USE IN 1 1/2" UNIT DUCT (OR AS SHOWN ON PLANS)
		PROPOSED UNIT DUCT IN RIGID GALVANIZED STEEL (RGS) CONDUIT PUSHED UNDER PAVEMENT (SIZES AS SHOWN)
		PROPOSED CABLES IN RIGID GALVANIZED STEEL CONDUIT (SIZES AS SHOWN ON PLANS)

REVISIONS	
NAME	DATE

## ILLINOIS DEPARTMENT OF TRANSPORTATION LIGHTING GENERAL NOTES & QUANTITIES HAWTHORNE LANE

SCALE: 50'  
DATE: 1/8/2007

DRAWN BY GAH  
DESIGN BY GAH  
CHECKED BY JPC