

P.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00032-00-LT	COOK	8	2
CONTRACT NO. 83870				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		














GENERAL NOTES

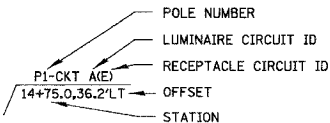
- PLACE A GROUND ROD $\frac{5}{8}$ " IN DIAMETER BY 10 FEET IN LENGTH APPROXIMATELY 2 FEET FROM EVERY CONCRETE POLE FOUNDATION AND CONNECT TO THE POLE GROUNDING LUG VIA A #6 SOLID COPPER WIRE WITH A MECHANICAL CONNECTION AT THE GROUND ROD AND PIGTAIL SPLICE INSIDE THE POLE HANDHOLE.
- ALL POLE HANDHOLES SHALL FACE AWAY FROM TRAFFIC.
- UNIT DUCT SHALL BE 1" DIAMETER WITH 3/C #8 XLP, 1/C #8 XLP NEUTRAL & 1/C #8 XLP GROUND, OR 1 1/2" DIAMETER WITH 4/C #6 XLP, 2/C #4 XLP, 1/C #4 XLP NEUTRAL & 1/C #4 XLP GROUND TYPE-USE WIRE.
- LUMINAIRES SHALL BE LEVEL & HAVE A TIGHT FIT ON MAST ARMS TO THE OWNER'S SATISFACTION. THIS WORK SHALL INCLUDE FIELD ADJUSTING OF THE LUMINAIRE WHICH WILL BE INCIDENTAL TO THE "LUMINAIRE" PAY ITEM.
- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A PERMIT FROM THE VILLAGE OF JUSTICE BEFORE THE START OF WORK.
- ALL WORK SHALL CONFORM TO THE NATIONAL ELECTRICAL CODE AND ANY APPLICABLE CODES.
- ALL LIGHT STANDARDS SHALL BE LOCATED 4'-0" BEHIND BACK OF CURB OR AS SHOWN ON THE PLANS.
- NO POLES SHALL BE ERRECTED UNTIL THE RESPECTIVE FOUNDATIONS HAVE CURED, AS APPROVED BY THE ENGINEER.
- TO MAINTAIN THE STRUCTURAL INTEGRITY OF LIGHT POLES WITH MAST ARMS, THEY SHALL NOT BE ERRECTED AND LEFT TO STAND WITHOUT LUMINAIRES. NOTE THAT THE CONTRACTOR SHALL NOT BE PAID FOR POLES UNTIL LUMINAIRES ARE INSTALLED.
- ALL POLES SHALL BE PROVIDED WITH A BREAKAWAY DEVICE AS SPECIFIED.
- BEFORE INSTALLING LIGHT STANDARDS NEAR OVERHEAD UTILITIES CALL COM ED FOR LOCATION APPROVAL.
- NO MATERIALS SHALL BE DELIVERED TO THE JOB SITE UNTIL ALL PERTINENT EQUIPMENT SUBMITTALS HAVE BEEN APPROVED BY THE OWNER.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL LIGHT POLES AND LIGHTING CONTROLLERS FOR EXAMINATION AND CONFIRMATION WITH THE RESIDENT ENGINEER AT THE PRECONSTRUCTION INSPECTION. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO AUGERING FOR LIGHT POLE FOUNDATIONS. THE EXACT LOCATIONS OF ALL ITEMS SHALL BE CONFIRMED WITH THE RESIDENT ENGINEER PRIOR TO STARTING WORK.
- THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE REQUIREMENTS FOR GROUNDING. GROUNDING CONNECTIONS AT THE FOUNDATION SHALL BE MECHANICAL TYPE UL LISTED FOR DIRECT BURIAL USE, AS SPECIFIED, AND SHALL BE INSPECTED AND APPROVED BY THE RESIDENT ENGINEER PRIOR TO POURING CONCRETE OR BACKFILLING, AS APPLICABLE.
- THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE REQUIREMENT FOR BURIED WARNING TAPE. SPECIFIED AS PART OF "TRENCH AND BACKFILL FOR ELECTRICAL WORK". THE INSTALLATION OF THE TAPE SHALL BE REVIEWED BY THE RESIDENT ENGINEER PRIOR TO BACKFILLING OR DURING PLOWING OPERATIONS, AS APPLICABLE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF FINISHED GRADE. THE RESIDENT ENGINEER MAY ASSIST THE CONTRACTOR, AS APPLICABLE, BUT THE RESPONSIBILITY FOR COORDINATING THE FINISHED GRADE ELEVATION WITH THE TOP OF THE FOUNDATIONS HEIGHTS AND THE LIGHT SHALL REMAIN WITH THE CONTRACTOR.
- THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE REQUIREMENTS FOR THE ELECTRICAL SERVICE FOR THE PROPOSED ROADWAY LIGHTING. IT IS THE CONTRACTOR'S RESPONSIBILITY FOR TIMELY NOTIFICATION AND COORDINATION WITH THE ELECTRICAL UTILITY COMPANY.
- THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE REQUIREMENTS FOR WIRE MARKERS AND SHALL TAG ALL WIRE MARKERS AND SHALL TAG ALL WIRE ACCORDINGLY.
- EQUIPMENT GROUND CONDUCTORS SHALL BE SPLICED AND BONDED AT EACH LIGHT POLE OR OTHER PIECE OF EQUIPMENT.
- THE LIGHTING CONTROLLER SHALL BE CONSTRUCTED TO UL STANDARDS 508 AND 508A, AND BEAR THE LABEL "INDUSTRIAL CONTROL PANEL".
- CARE IS TO BE TAKEN AS NOT TO DAMAGE ANY OF THE EXISTING TRAFFIC SIGNAL CONDUITS, DETECTORS AND EQUIPMENT. IF ANY OF THE TRAFFIC SIGNAL CONDUIT AND/OR EQUIPMENT IS DAMAGED, THE CONTRACTOR SHALL REPAIR AND/OR REPLACE THE CONDUIT AND/OR EQUIPMENT AT NO COST TO STATE, THE COUNTY OR THE VILLAGE.
- CONDUIT AND UNIT DUCT MUST BE POSITIONED IN THE FIELD TO AVOID CONFLICT WITH TREES, BUSHES, DRAINS AND OTHER UTILITIES AND LANDSCAPING.
- ALL DISTURBED AREA WHERE RESTORATION IS NOT COVERED BY APPLICABLE SECTIONS OF THE SPECIAL PROVISIONS MUST BE RESTORED TO THE SATISFACTION OF THE ENGINEER. THE WORK MUST BE CONSIDERED INCIDENTAL TO THE CONTRACT. SEPARATE PAYMENT WILL NOT BE MADE.
- THE EXACT LOCATIONS OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE LIGHTING SYSTEM. FOR THE LOCATIONS OF THE UTILITIES, CALL JULIE TOLL FREE AT 1-800-892-0123. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE EXISTING TRAFFIC SIGNAL CABLES AND CONDUITS.
- 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.

SUMMARY OF QUANTITIES

CODE NO.	DESCRIPTION	UNIT	QUANTITY
21101610	TOPSOIL FURNISH AND PLACE, 3"	SQ YD	309
25000400	NITROGEN FERTILIZER NUTRIENT	LB	6
25000500	PHOSPHORUS FERTILIZER NUTRIENT	LB	6
25000600	POTASSIUM FERTILIZER NUTRIENT	LB	6
25200110	SODDING, SALT TOLERANT	SQ YD	309
25200200	SUPPLEMENTAL WATERING	UNIT	13
42400200	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	SQ FT	200
44000600	SIDEWALK REMOVAL	SQ FT	200
67100100	MOBILIZATION	L SUM	1
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1
80400100	ELECTRIC SERVICE INSTALLATION	EACH	2
80700140	GROUND ROD, $\frac{5}{8}$ " DIA. x 10FT.	EACH	34
81018600	CONDUIT PUSHED, 2 1/2" DIA. GALV. STEEL	FOOT	1020
81400400	CONCRETE HANDHOLE	EACH	1
82102250	LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 250 WATT	EACH	28
82500510	LIGHTING CONTROLLER TYPE CB-RCS 60AMP-240VOLT	EACH	1
82500530	LIGHTING CONTROLLER TYPE CB-RCS 100AMP-240VOLT	EACH	1
83008600	LIGHT POLE, ALUMINUM, 40 FT. M.H., 15 FT. MAST ARM	EACH	23
83050810	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 15 FT. MAST ARM	EACH	5
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	280
83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15" BOLT CIRCLE	EACH	28
	UNIT DUCT, BORED AND PULLED, 1" HDPE, WITH 3/C #8, 1/C #8 NEUTRAL & 1/C #8 GND XLP TYPE USE, 600V	FOOT	800
	UNIT DUCT, BORED AND PULLED, 1 1/2" HDPE, WITH 4/C #6, 2/C #4, 1/C #4 NEUTRAL & 1/C #4 GND XLP TYPE USE, 600V	FOOT	4320

LEGEND

-  1 PROPOSED POLE TYPE 1 - 40' ALUMINUM POLE WITH A 250 WATT MCIII COBRA HEAD TYPE LUMINAIRE ON A 15' MAST ARM
-  2 PROPOSED POLE TYPE 2 - 47.5' ALUMINUM POLE WITH A 250 WATT MCIII COBRA HEAD TYPE LUMINAIRE ON A 15' MAST ARM
-  EXISTING 40' ALUMINUM POLE WITH A 200 OR 250 WATT MCIII COBRA HEAD TYPE LUMINAIRE ON AN 8' OR 12' MAST ARM
-  PROPOSED CONCRETE HANDHOLE
-  PROPOSED 120/240V-1Ø LIGHTING CONTROLLER
-  PROPOSED CABLES IN UNIT DUCT (SIZES AS SHOWN)
-  PROPOSED UNIT DUCT IN RIGID GALVANIZED STEEL CONDUIT PUSHED UNDER PAVEMENT (SIZES AS SHOWN)
-  PROPOSED CABLES IN RIGID GALVANIZED STEEL CONDUIT (SIZES AS SHOWN)
-  POLE NUMBER
-  LUMINAIRE CIRCUIT ID
-  RECEPTACLE CIRCUIT ID
-  OFFSET
-  STATION



REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		88TH AVENUE GENERAL NOTES AND SUMMARY OF QUANTITIES SCALE: NO SCALE DATE: 8/22/2006

DRAWN BY AJD
DESIGN BY AJD
CHECKED BY JPC