

# VILLAGE OF SHOREWOOD LIGHTING GENERAL NOTES

- CAST A GROUND ROD 3/4" IN DIAMETER BY 10 FEET IN LENGTH INSIDE 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 1/4" DIAMETER HDPE WITH 4/C #6 & 1/C #6 GROUND XLP-TYPE USE CABLES.
- 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 "LIGHTPOLE" PAY ITEM.
- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A PERMIT FROM THE VILLAGE OF SHOREWOOD BEFORE THE START OF WORK.
- 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.
  - "THE NATIONAL ELECTRICAL CODE".
  - MUNICIPAL CODES & STANDARDS.
- NO POLES SHALL BE ERECTED UNTIL THE RESPECTIVE FOUNDATIONS HAVE CURED SUFFICIENTLY.
- TO MAINTAIN THE STRUCTURAL INTEGRITY OF LIGHT POLES WITH MAST ARMS, THEY SHALL NOT BE ERECTED AND LEFT TO STAND WITHOUT LUMINAIRES. NOTE THAT THE CONTRACTOR SHALL NOT BE PAID FOR POLES UNTIL LUMINAIRES ARE INSTALLED.
- 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 REVIEWED BY THE OWNER'S REPRESENTATIVE.
- 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 OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO AUGERING FOR LIGHT POLE FOUNDATIONS. THE EXACT LOCATIONS OF ALL PROPOSED ITEMS SHALL BE CONFIRMED WITH THE OWNER'S REPRESENTATIVE 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 REVIEWED BY THE OWNER'S REPRESENTATIVE 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 OWNER'S REPRESENTATIVE 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".
- ALL DISTURBED AREA WHERE RESTORATION IS NOT COVERED BY APPLICABLE SECTIONS OF THE SPECIAL PROVISIONS MUST BE RESTORED TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE. THE WORK WILL 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.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION/DIRECTION AND MEANS/METHODS OF CONSTRUCTION.
- 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.
- LIGHTPOLES SHALL NOT BE INSTALLED CLOSER THAN 6 FEET FROM BACK OF CURB.
- THE CONTRACTOR SHALL PERFORM ELECTRICAL TESTING AND VERIFY THAT THE INSTALLTION COMPLIES WITH THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS.

# VILLAGE OF SHOREWOOD LIGHTING

## SUMMARY OF QUANTITIES

CODE NO.	DESCRIPTION	UNIT	QUANTITY
20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	11
21301052	EXPLORATION TRENCH, 52" DEPTH	FOOT	192
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
•80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1
81018600	CONDUIT PUSHED, 2 1/2" DIA. GALV. STEEL	FOOT	470
81018900	CONDUIT PUSHED, 4" DIA. GALV. STEEL	FOOT	90
81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	1
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	8510
82500530	LIGHTING CONTROLLER TYPE CB-RCS 100AMP-240VOLT	EACH	1
•83600210	LIGHT POLE FOUNDATION, 24" DIAMETER, SPECIAL	FOOT	300
•83600215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	243
•	LIGHT POLE, COMPLETE IN PLACE, VILLAGE OF SHOREWOOD	EACH	48
•	UNIT DUCT, 600V, 4/C #6 & 1/C #6 GND (XLP-TYPE USE), IN 1/4" DIA. POLYETHYLENE	FOOT	9860

• SEE SPECIAL PROVISION

## VILLAGE OF SHOREWOOD LIGHTING LEGEND

	PROPOSED 250W HPS COBRA HEAD TYPE LUMINAIRE, WITH MEDIUM CUTOFF TYPE 3 OPTICS, MOUNTED ON A 35' STEEL FLUTED LIGHT POLE WITH A 10' ARM		PROPOSED IDOT OWNED AND MAINTAINED ROADWAY LIGHT POLE
	PROPOSED COMPOSITE CONCRETE HANDHOLE		EXISTING COM ED LUMINAIRE MOUNTED ON WOOD POLE
	PROPOSED 120/240V-1Ø LIGHTING CONTROLLER		EXISTING STORM SEWER
	ELECTRIC UTILITY METER		EXISTING SANITARY SEWER
	DOOR SWING LOCATION		EXISTING WATERMAIN
	PROPOSED CABLES IN UNIT DUCT (SIZES AS SHOWN)		EXISTING OVERHEAD WIRES
	PROPOSED UNIT DUCT IN RIGID GALVANIZED STEEL CONDUIT PUSHED UNDER PAVEMENT (SIZES AS SHOWN)		EXISTING GAS LINE
	PROPOSED CABLES IN RIGID GALVANIZED STEEL CONDUIT (SIZES AS SHOWN)		EXISTING TELEPHONE/COMMUNICATION LINE
	2 1/2" RGS-T OR P RIGID GALVANIZED STEEL CONDUIT TRENCHED OR PUSHED		
	POLE NUMBER		
	PI-CKT A LUMINAIRE CIRCUIT IDENTIFIER		
	STA.7481+63.0 POLE STATION LOCATION		
	8.5' BOC POLE SETBACK FROM BACK OF CURB		



*Anthony J. Derico*  
EXPIRES 11-30-09

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
FAI 55 AT FAP 338 ILLINOIS ROUTE 59  
SECTION: 26HB-1BR AND 114R-1  
VILLAGE OF SHOREWOOD  
IL 59 - LIGHTING SUMMARY OF  
QUANTITIES AND GENERAL NOTES  
STA. 7480+50 TO STA. 7521+00  
SCALE: N.T.S. DRAWN BY: KB  
DATE: 3/14/2008 CHECKED BY: AJD  
CHRISTOPHER B. BURKE ENGINEERING, LTD.  
202 W. Morgan Road, Suite 100  
Bloomington, IL 61701-8001  
(815) 833-9900