

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2021.1B-R	COOK	101	026
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 62532				

GENERAL LIGHTING NOTES:

1. THE CITY LIGHT POLES, MAST ARMS AND LUMINAIRES SHALL BE REMOVED BY THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE THE DELIVERY OF THE POLES WITH THE CITY OF CHICAGO BUREAU OF ELECTRICITY. THE COST OF DELIVERING THE LIGHT POLES AND LUMINAIRES IS INCLUDED IN THIS CONTRACT AND SHALL BE REFLECTED IN THE CONTRACTOR'S BID. NO ADDITIONAL COMPENSATIONS WILL BE ALLOWED.
2. THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY CITY STANDARD DRAWINGS FROM THE CITY OF CHICAGO, DEPARTMENT OF STREETS AND SANITATION, BUREAU OF ELECTRICITY. THE COST OF OBTAINING THE STANDARD DETAILS FROM BUREAU OF ELECTRICITY IS INCLUDED IN THIS CONTRACT.
3. FOR MANHOLE INFORMATION, REFER TO THE TRAFFIC SIGNAL PLANS.
4. FOR COMBINATION LIGHT/TRAFFIC MAST ARM ASSEMBLY, THE POLE FOUNDATION AND TRAFFIC SIGNAL ITEMS ARE INCLUDED IN THE TRAFFIC SIGNAL PAY ITEMS. THE LUMINAIRE ARM AND LUMINAIRE ARE INCLUDED IN THE LIGHTING PAY ITEMS.
5. 4-4" GRS CONDUIT ATTACHED TO STRUCTURE UNDER BRIDGE DECK. FOR QUANTITY REFER TO TS-02.
6. PROVIDE A 70A/120V CIRCUIT BREAKER FOR TRAFFIC SIGNAL SERVICE. THIS WORK SHALL BE INCLUDED IN THE COST OF THE PAY ITEM "CONTROLLER, STREET LIGHT, ARTERIAL".

TEMPORARY LIGHTING NOTES:

1. EXTRA PRECAUTION MUST BE TAKEN WHEN PLACING STRAPS, MOUNTING CONDUIT AND RUNNING CABLE. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY EQUIPMENT, TOOLS, AND DEVICES REQUIRED FOR PROPER SERVICE CONNECTIONS. ANY DAMAGES TO THE EXISTING CONTROLLERS OR OTHER EQUIPMENT SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS EXPENSE. ALL TEMPORARY SERVICE AND CONNECTIONS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER LUMP SUM FOR "TEMPORARY LIGHTING SYSTEM."
2. THE CONTRACTOR SHALL UTILIZE THE EXISTING STREET LIGHTING TEMPORARILY AS INDICATED ON THE PLAN. PROVIDE AERIAL CABLES, SECONDARY RACKS, SPLICE KITS, ETC., AS REQUIRED TO CONTINUE THE EXISTING LIGHTING CIRCUIT AS SHOWN TO THE NEARBY FIXTURES. ALL TEMPORARY STREET LIGHTING SERVICES, FIELD INVESTIGATIONS, CONNECTIONS, POLES, CABLES ETC. SHALL BE PAID FOR AS PART OF THE CONTRACT UNIT PRICE PER LUMP SUM FOR "TEMPORARY LIGHTING SYSTEM."
3. CONTRACTOR TO CLEAN-UP AND RESTORE AREA TO THE SATISFACTION OF THE RESIDENT ENGINEER. ALL WORK SHALL BE DONE IN A WORKMANSHIP MANNER. POLES SHALL BE STRAIGHT AND PLUMB. WIRES SHALL BE TRAINED AND TIED. THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER LUMP SUM FOR "TEMPORARY LIGHTING SYSTEM."
4. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND SCHEDULING ALL TEMPORARY AND PERMANENT INSTALLATIONS WITH THE CONSTRUCTION SCHEDULE. FINAL COORDINATION AND SEQUENCING SHALL BE APPROVED BY CDOT MAINTENANCE OF TRAFFIC AND THE ENGINEER.
5. WOOD POLES SHALL BE FULL-TREATED SOUTHERN PINE, DOUGLAS FIR, OR WESTERN RED CEDAR CONFORMING TO THE AMERICAN NATIONAL STANDARD SPECIFICATIONS AND DIMENSIONS FOR WOOD POLES. THE PRESERVATIVE TREATMENT SHALL CONFORM TO THE AMERICAN WOOD PRESERVERS ASSOCIATION STANDARD C4. THE DOWN GUY FOR WOOD POLES SHALL MEET THE REQUIREMENT OF ASTM A 475 UTILITY GRADE OR BETTER.

ELECTRICAL WORK - BILL OF MATERIALS

ITEM	UNIT	QUANTITY
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC (SCHEDULE 80)	FOOT	510
PVC CONDUIT IN TRENCH 2" (SCHEDULE #80)	FOOT	1100
CONCRETE FOUNDATION, 24" DIA.	FOOT	27
* POLE, STEEL, ANCHOR BASE, 8 1/2" DIAMETER, 7 GAUGE, 32'-6"	EACH	2
* POLE, STEEL, ANCHOR BASE, 10" DIAMETER, 7 GAUGE, 34'-6"	EACH	0
* POLE, ALUMINUM, ARTERIAL, DAVIT, 15" BOLT CIRCLE	EACH	4
* MAST ARM, DAVIT, ALUMINUM, ARTERIAL, 12 FOOT	EACH	4
* MAST ARM, STEEL STREET LIGHTING 12'	EACH	15
* LUMINAIRE, STREET LIGHTING HIGH PRESSURE SODIUM VAPOR 400 WATT, 240 VOLT	EACH	19
ELECTRICAL CABLE IN CONDUIT, TRIPLEX NO. 6, 2-1C AND NO.8, 1-1C	FOOT	1550
REMOVE EXISTING STREET LIGHTING EQUIPMENT	L SUM	1
BREAKDOWN STREET LIGHT FOUNDATION	EACH	3
TEMPORARY LIGHTING SYSTEM	L SUM	1
TRENCH AND BACKFILL WITH SCREENING	FOOT	1100
DRILL EXISTING MANHOLE OR HANDHOLE	EACH	29
SERVICE INSTALLATION, 100 AMP	EACH	1
SERVICE CONNECTION TO CECO LINE	EACH	1
SERVICE CABLE, 3/C#2	FOOT	150
CONTROLLER, STREET LIGHT, ARTERIAL	EACH	1
PICKUP, TRANSPORTATION AND INSTALLATION OF LIGHT POLES, MAST ARMS AND LUMINAIRES	L.SUM	1
MAINTENANCE OF STREET LIGHTING SYSTEM (CITY OF CHICAGO)	L SUM	1

* THESE ITEMS WILL NOT BE PAID SEPARATELY BUT SHALL BE INCLUDED IN THE LUMP SUM COST OF PAY ITEM PICKUP, TRANSPORTATION AND INSTALLATION OF LIGHT POLES, MAST ARMS AND LUMINAIRES

LEGEND

PROP.	EXIST.	
		MANHOLE
		LUMINAIRE, H.P.S.V. AND LAMP, 400W, 240V, WITH INTEGRAL BALLAST
		LUMINAIRE, H.P.S.V. AND LAMP, 310W, 240V, WITH INTEGRAL BALLAST
		LUMINAIRE, H.P.S.V. AND LAMP, 195W, 240V, WITH INTEGRAL BALLAST
-2N-	-2N-	CABLE, STREET LIGHT, 2 1/C-#6, 600V. RINS IN PARKWAY
-2NG-	-2NG-	CABLE, STREET LIGHT, 2 1/C-#6, 600V. RINS IN CONDUIT
-3TC-	-3TC-	CABLE, STREET LIGHT, 2 1/C-#6 EPRN 600V. & 1 1/C-#8 GREEN, TRIPLEXED IN CONDUIT
-3NG-	-3NG-	CABLE, STREET LIGHT, 3 1/C-#1/0, 600V. EPR IN CONDUIT
		CONTROLLER, STREET LIGHTING, PEDESTAL OR BASE MOUNTED
		POLE, CITY STEEL, ANCHOR BASE, 34'-6", 7 GA., 10" DIA. AND 15" BOLT CIRCLE AND FND. WITH 1/4" ANCHOR RODS
		POLE, CITY STEEL, ANCHOR BASE, 32'-6", 7 GA., AND FND. WITH 1 1/2" B.C. AND 1" ANCHOR RODS
		REFER TO TRAFFIC SIGNAL PLANS FOR DESCRIPTION
		REFER TO TRAFFIC SIGNAL PLANS FOR DESCRIPTION
		4-4" RGS ATTACHED TO STRUCTURE UNDER BRIDGE DECK
---	---	CONDUIT-SIZE & TYPE AS NOTED
		POLE, CITY ALUMINUM ANCHOR BASE WITH DAVIT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
111TH STREET OVER
F.A.I ROUTE 57 (INTERSTATE 57)

LEGEND, NOTES AND
SCHEDULE OF QUANTITIES

SCALE: NONE
DATE: 01/16/09

DRAWN BY: ACL
CHECKED BY: PR

TENG
TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
205 N. MICHIGAN AVE. CHICAGO, IL 60601
TELEPHONE: 312/616-0000

WITH ST BORDER:CON
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