F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1920.1B-R	COOK	101	028
STA.		TO STA.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62533

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 AND CONDUIT LOCATION, SIZE AND TYPE REFER TO 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. 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".
6. 4-4" GRS CONDUIT ATTACHED TO STRUCTURE UNDER BRIDGE DECK. FOR QUANTITY REFER TO TS-01.

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.

CDOT ELECTRICAL WORK - BILL OF MATERIALS

	ITEM	UNIT	QUANTITY
	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC (SCHEDULE 80)	FOOT	550
	PVC CONDUIT IN TRENCH 2" (SCHEDULE #80)	FOOT	1710
	CONCRETE FOUNDATION, 24" DIAMETER, 1¼" ANCHOR RODS, 15" BOLT CIRCLE, 7FEET	EACH	1
*	POLE, STEEL, ANCHOR BASE, 8½" DIAMETER, 7 GAUGE, 32'-6"	EACH	1
*	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	12
*	LUMINAIRE, STREET LIGHTING HIGH PRESSURE SODIUM VAPOR 400 WATT, 240 VOLT	EACH	16
	ELECTRICAL CABLE IN CONDUIT, TRIPLEX NO. 6, 2-1C AND NO.8, 1-1C	FOOT	3500
	ELECTRIC CABLE IN CONDUIT, 1/C #1/0	FOOT	800
	REMOVE EXISTING STREET LIGHTING EQUIPMENT	L SUM	1
	BREAKDOWN STREET LIGHT FOUNDATION	EACH	12
	TEMPORARY LIGHTING SYSTEM	L SUM	1
	TRENCH AND BACKFILL WITH SCREENING	FOOT	1710
	DRILL EXISTING MANHOLE OR HANDHOLE	EACH	40
	SERVICE INSTALLATION, 100 AMP	EACH	1
	SERVICE CONNECTION TO CECO LINE	EACH	1
	SERVICE CABLE, 3/C # 2	FOOT	265
	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
-2NC-	~~-2NC-~~	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
-3NC-	~~-3NC-~~	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 1¼" ANCHOR RODS
		POLE, CITY STEEL, ANCHOR BASE, 32'-6", 7 GA., AND FND. WITH 11½" B.C. AND 1" ANCHOR RODS
		REFER TO TRAFFIC SIGNAL PLANS FOR DESCRIPTION
		REFER TO TRAFFIC SIGNAL PLANS FOR DESCRIPTION
4D	4D	4-4" RGS ATTACHED TO STRUCTURE UNDER BRIDGE DECK
		CONDUIT-SIZE & TYPE AS NOTED
		POLE, CITY ALUMINUM ANCHOR BASE WITH DAVIT

E-1

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
112TH PLACE OVER
F.A.I ROUTE 57 (INTERSTATE 57)

LEGEND, NOTES AND SCHEDULE OF QUANTITIES

SCALE: NONE DRAWN BY: ACL
DATE: 01/16/09 CHECKED BY: PR

TENG

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

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