

ID NO	SUMMARY OF ELECTRIC LIGHTING SYSTEM QUANTITIES (HARDWARE)		
	Item	Unit	Quantity
	Solid State Photo Cell	Each	1
	Controller	Each	1
	Above/Below Ground Junction Box	Each	26
	Cable Support Grip	Each	0
	Expansion Joint	Each	14
	Water Proof Splice Connectors	Each	32
	600 Volt 2/C Secondary Cable with Ground Wire (In Duct) #4 AWG	Lin Ft	0
	600 Volt 2/C Secondary Cable with Ground Wire (In Duct) #6 AWG	Lin Ft	0
	600 Volt 2/C Secondary Cable with Ground Wire (In Duct) #8 AWG	Lin Ft	1,510
	600 Volt 2/C Secondary Cable with Ground Wire (In Duct) #10 AWG	Lin Ft	81
	600 Volt 1/C Secondary Cable with Ground Wire ___ AWG	Lin Ft	0
	600 Volt 1/C Secondary Cable #10 AWG	Lin Ft	507
	Groundwire, #6 AWG Solid Bare Copper	Lin Ft	30
	1" Metallic Conduit	Lin Ft	1,412
	2" Metallic Conduit	Lin Ft	511
	3" Metallic Conduit	Lin Ft	0
	2" Schedule 40 PVC	Lin Ft	0
	3" Schedule 40 PVC	Lin Ft	0
	3" Schedule 80 PVC	Lin Ft	150
	3" 90 Degree Sch PVC Conduit Bends 24" Radius	Each	2
	1" 90 Degree Sch 40 PVC Conduit Bends 24" Radius	Each	1
	3/8" X 3" Wedge Type Anchor Bolts	Each	0
	2" Conduit Clamps w/ Clamp Backs	Each	81
	Ground Rods with Clamps 3/4" X 10'	Each	1

ID NO	SUMMARY OF ELECTRIC LIGHTING SYSTEM QUANTITIES (LIGHT STANDARDS)		
	Item	Unit	Quantity
	40' Mounting Height Light Standard with XX' Mast Arm	Each	4
	See Basis of Design for LED Luminaire Type	Each	4
	Frangible Base	Each	4
	24" Concrete Base for Light Standard	Each	0

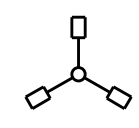
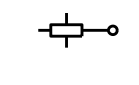
ID NO	SUMMARY OF ELECTRIC LIGHTING SYSTEM QUANTITIES (TOWER)		
	Item	Unit	Quantity
	See Basis of Design for LED Luminaire Type	Each	0
	Lowering Device	Each	0
	1/2" Heavy Duty Reversible Drill	Each	0
	Step Down Transformer	Each	0

ID NO	SUMMARY OF ELECTRIC LIGHTING SYSTEM QUANTITIES (MISCELLANEOUS ITEMS)		
	Item	Unit	Quantity
	Trench and Backfill	Lin Ft	60
	Removal of Concrete Base	Each	0

ID NO	BID ITEM		
	Item	Unit	Quantity
	Electric Lighting System	L.S.	Lump Sum
	High Mast Light Tower (100')(42" Concrete Base)	Each	0
	High Mast Light Tower (110')(42" Concrete Base)	Each	0
	High Mast Light Tower (120')(42" Concrete Base)	Each	0
	High Mast Light Tower (100')	Each	0
	High Mast Light Tower (110')	Each	0
	High Mast Light Tower (120')	Each	0

NOTES:

- Linear quantities are approximate and included for information only. The contractor shall conduct all work, furnish and install all lighting equipment necessary, including towers, concrete bases for towers, anchor bolts, luminaires, lamps, wiring, conduit, conduit fittings, supports, interconnections, ground rods, and all incidentals necessary for the complete installation within the limits shown on the plans. To insure complete and satisfactory operation of the Electric Lighting System whether specifically mentioned or not.
- The bid item "High Mast Light Tower" includes all work persons, tools, equipment and new hardware necessary to complete the work.
- Items not specifically called out are subsidiary to other bid items.
- For additional construction quantities, see the following sheets, as applicable:
 - CONSTRUCTION AND MATERIAL REQUIREMENTS AND QUANTITIES FOR SIGN LIGHTING.
 - UNDERDECK LIGHTING DETAIL.
 - FOOTING DETAILS AND ENGINEERING GEOLOGY (for footing lengths).

BASIS OF DESIGN (ADDITIONAL CRITERIA)		
	Designed Lumens	--
	Maximum Wattage	--
	Distribution Type	--
	Other	--
	Designed Lumens	
	Maximum Wattage	
	Distribution Type	
	Other	

NOTE:
The quantities shown on this sheet are for information only. The lump sum bid item "Electrical Lighting System" includes all labor and material required to install the power pole lights on the bridge, under bridge lighting, conduits and wiring including the conduits and wiring for the Aesthetic Metal Tower, junction boxes, meters, controller, etc. as shown on the plans. The lights and wiring inside the Aesthetic Metal Tower including the controller are part of the "Aesthetic Metal Tower" bid item. Submit shop drawings for all conduits and electrical lighting system to the Engineer for approval prior to installation.

Drawn By : \$SYTIME\$\$
File : \$DGN\$SPEC\$\$

3	9/14/18	Removed ID Numbers	J.P.	C.P.A.
2	1/18/18	Revised Notes/LED/Added Basis of Design	J.P.	C.P.A.
1	5/18/16	Chg'd min lumen/chg'd tower bases to 42"	C.E.	B.D.G.
NO.	DATE	REVISIONS	BY	APPD

**KANSAS DEPARTMENT OF TRANSPORTATION
CONSTRUCTION QUANTITIES
FOR
ELECTRIC LIGHTING SYSTEM**

TE209

DESIGNED	V.H.	DATE	09/25/2018	APPD	Brian D. Gower
DESIGN CK.	B.D.G.	DETAIL CK.	B.D.G.	QUAN. CK.	TRACE CK.