STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	472-84071	2005	WL1.7	

ELECTRICAL MATERIAL:

WALL WASH LUMINAIRE:
THE WALL WASH LUMINAIRE SHALL BE FLUSH MOUNTED IN THE SIDEWALK OR IN A CONCRETE MOWING APRON. THE UNIT SHALL BE COMPOSED OF A ROUGH-IN HOUSING, A LAMP MODULE HOUSING, A POWER MODULE AND A DOOR FRAME. THE ROUGH-IN HOUSING SHALL BE INJECTION MOLDED ABS. THE LAMP MODULE HOUSING SHALL BE STAINLESS STEEL AND SHALL BE SEALED AND PURGED OF ALL MOISTURE. THE POWER MODULE SHALL BE ENCAPSULATED IN A COMPOSITE RESIN. A CAST BRONZE DOOR SHALL LOCK THE LAMP HOUSING INTO THE ROUGH-IN SECTION. THE BALLAST SHALL BE HX-HPF FOR A 100 WATT OR 150 WATT METAL HALIDE LAMP, AS NOTED, FOR 240 VOLT INPUT. THE FIXTURE SHALL BE FITTED WITH AN INTERNAL WALL WASHER LOUVER AND AN EXTERNAL BRONZE ROCK GUARD. THE 150 WATT UNITS SHALL HAVE A DICHROIC, COBALT BLUE, FILTER. THE CONTRACTOR SHALL SUBMIT MATERIAL SHOP DRAWINGS, PHOTOMETRIC AND COLOR FILTER INFORMATION FOR APPROVAL PRIOR TO ORDERING FIXTURES.

SUMMARY OF ELECTRIC LIGHTING SYSTEM QUANTITIES		13TH STREET	MURDOCK	CENTRAL	2ND STREET	1ST STREET			TOTAL QUANTITY
ITEM	UNIT	QUANITY	QUANITY	QUANITY	QUANITY	QUANITY			
ENCLOSURE	EA.	0	0	0	0	0			0
PHOTO-ELECTRIC CONTROL	EA.	0	0	0	0	0			0
JUNCTION BOX (SIZE AS PER PLAN)	EA.	0	0	0	0	0			0
GROUND MOUNTED JUNCTION BOX (11 X 18 X 12)	EA.	2	2	2	1	0			7
CABLE CONNECTORS	EA.	16	16	16	14	12			74
600 VOLT 1/C SECONDARY CABLE •4 A.W.G.	LF.	0	0	0	0	0			0
600 VOLT 1/C SECONDARY CABLE •6 A.W.G.	LF.	0	0	0	0	0			0
600 VOLT 1/C SECONDARY CABLE •8 A.W.G.	LF.	410	396	410	357	555			2128
600 VOLT 1/C SECONDARY CABLE •12 A.W.G.	LF.	0	0	0	0	0			0
GROUNDWIRE, •6 A.W.G.	LF.	0	0	0	0	0			0
GROUNDWIRE, •8 A.W.G.	LF.	205	198	205	179	278			1065
GROUND RODS WITH CLAMPS - 3/4" X 10'	EA.	0	0	0	0	0			0
1" METALLIC CONDUIT	LF.	164	160	164	140	252			880
1 1/2" METALLIC CONDUIT	LF.	22	20	22	22	0			86
2" METALLIC CONDUIT	LF.	0	0	0	0	0			0
3" METALLIC CONDUIT	LF.	0	0	0	0	0			0
WALL WASHER LUMINAIRE	EA.	14	14	14	14	22			78
WALL MOUNTED UNDERPASS LUMINAIRES	EA.	0	0	0	0	0			0
HORIZONTAL MOUNTED UNDERPASS LUMINAIRES	EA.	0	0	0	0	0			0
BOLLARD LUMINAIRES	EA.	0	0	0	0	0			0
COLD CATHOD LUMINAIRES	EA.	0	0	0	0	0			0

ALL QUANTITIES ARE ESTIMATES AND FOR INFORMATION ONLY

NOTE:

Alternate #6

ALL OF THESE QUANTITIES ARE ADDITIONS OR SUBTRACTIONS FROM THE BASE BID QUANTITIES. NEGATIVE QUANTITIES ARE DENOTED BY NUMBER SURROUNDED BY PARENTHESIS (XX). NEGATIVE QUANTITIES ARE SUBTRACTIONS FROM THE BASE BID QUANTITIES, ALL OTHER QUANTITIES ARE ADDITIONS. THE EXTENSION OF THE NEGATIVE QUANTITIES ON THE OFFICIAL BID TAB WILL REDUCE THE OVERALL COST OF THE ALTERNATE. THIS PROJECT WILL BE AWARDED TO THE CONTRACTOR WITH THE LOWEST AND BEST TOTAL BASE BID AMOUNT.

B I D I T E M S		
ITEM	UNIT	QUANITY
WALL WASHER LIGHTING SYSTEM	L.S.	1

BID NOTES:

1. WALL WASHER LIGHTING SYSTEM ALTERNATE 6 - THIS ALTERNATE SHALL INCLUDE THE WALL WASH LUMINAIRES, JUNCTION BOXES, CABLE CONNECTORS, SPLICES, CONDUIT AND WIRE AND ALL OTHER MATERIAL NECESSARY FOR A COMPLETE WORKING SYSTEM AT EACH OF THE BRIDGES PER THE PLANS.

NO.	DATE	REVISIONS	BY	APP'D
3				
2				
1				

KANSAS DEPARTMENT OF TRANSPORTATION

ALTERNATE 6

QUANTITIES

~~TE205~~ 4/19/93

FHWA APPROVAL 06/01/93		APP'D LINDA G. VOSS	
DESIGNED DC	DETAILED DC	QUANTITIES	TRACED
DESIGN CK.	DETAIL CK.	QUAN. CK.	TRACE CK.