

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	472-94071	2005	BLL7	

Alternate #5

ELECTRICAL MATERIAL:

BOLLARD LUMINAIRE,  
SEE SPECIAL PROVISION PART 900-09 TYPE 1 BOLLARD HANDRAIL FOR COMPLETE BOLLARD SPECIFICATION.

SUMMARY OF ELECTRIC LIGHTING SYSTEM QUANTITIES							TOTAL QUANTITY
ITEM	UNIT	13TH STREET	MURDOCK	CENTRAL	2ND STREET	1ST STREET	
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.	2	2	2	2	2	10
GROUND MOUNTED JUNCTION BOX (11 X 18 X 12)	EA.	1	1	1	1	0	4
CABLE CONNECTORS	EA.	0	0	0	0	0	0
600 VOLT 1/C SECONDARY CABLE **4 A.W.G.	LF.	889	907	1012	890	823	4521
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.	0	0	0	0	0	0
600 VOLT 1/C SECONDARY CABLE *12 A.W.G.	LF.	2610	2610	2760	2340	2250	12570
GROUNDWIRE *6 A.W.G.	LF.	0	0	0	0	0	0
GROUNDWIRE *8 A.W.G.	LF.	297	297	306	275	248	1423
GROUND RODS WITH CLAMPS - 3/4" X 10'	EA.	0	0	0	0	0	0
1" METALLIC CONDUIT	LF.	0	0	0	0	0	0
1 1/2" METALLIC CONDUIT	LF.	270	270	278	250	225	1293
2" METALLIC CONDUIT	LF.	0	0	0	0	0	0
3" METALLIC CONDUIT	LF.	0	0	0	0	0	0
WALL WASHER LUMINAIRE	EA.	0	0	0	0	0	0
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.	174	174	184	156	150	838
COLD CATHOD LUMINAIRES	EA.	0	0	0	0	0	0

ALL QUANTITIES ARE ESTIMATES AND FOR INFORMATION ONLY.

BID NOTES:

- TYPE 1 BOLLARD HANDRAIL (WITH LIGHTS) ALTERNATE 5 - THIS ALTERNATE SHALL INCLUDE THE BOLLARD LUMINAIRE, THE TYPE 1 HANDRAIL MATERIAL, BRIDGE MOUNTING HARDWARE, JUNCTION BOXES, CABLE CONNECTORS, SPLICES, CONDUIT, WIRE AND ALL OTHER MATERIAL NECESSARY FOR THE INSTALLATION OF A LIGHTED BOLLARD HANDRAIL AT EACH BRIDGE PER THE PLANS AND SPECIAL PROVISIONS. THIS ITEM SHALL ALSO INCLUDE THE TYPE 1A BOLLARD HANDRAIL INSTALLED IN FOUR LOCATIONS ON EACH BRIDGE PER THE PLANS. THE BOLLARD HANDRAIL LIGHTING SYSTEM SHALL BE A COMPLETE WORKING SYSTEM.

NOTE:

ALL OF THESE QUANTITIES ARE ADDITIONS OR SUBTRACTIONS FROM THE BASE BID QUANTITIES. NEGATIVE QUANTITIES ARE DENOTED BY NUMBER SURROUNDED BY PARENTHESES (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	QUANTITY
TYPE 1 BOLLARD HANDRAIL (WITH LIGHTS)	L.S.	1

NO.	DATE	REVISIONS	BY	APP'D
3				
2				
1				

KANSAS DEPARTMENT OF TRANSPORTATION  
ALTERNATE 5  
QUANTITIES

DESIGNED BY	DC	06/01/93	APP'D	LINDA G. VOSS	4/19/93
DESIGN CHECKED BY	DC	06/01/93	APP'D	TRACEY C.	
DESIGNED BY	DC	06/01/93	APP'D	LINDA G. VOSS	4/19/93
DESIGN CHECKED BY	DC	06/01/93	APP'D	TRACEY C.	