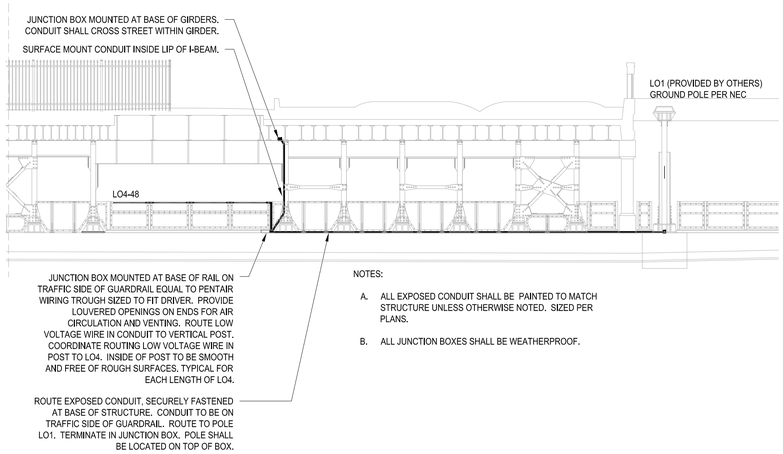
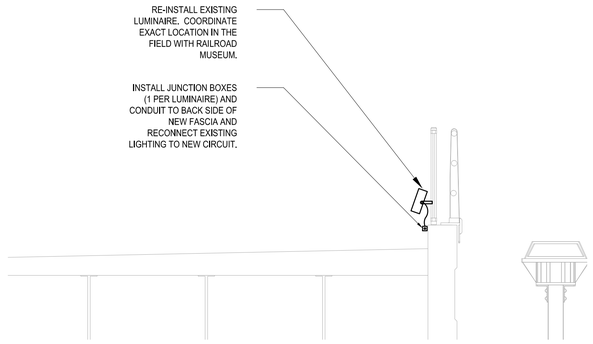
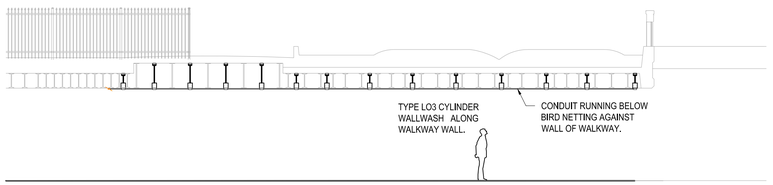


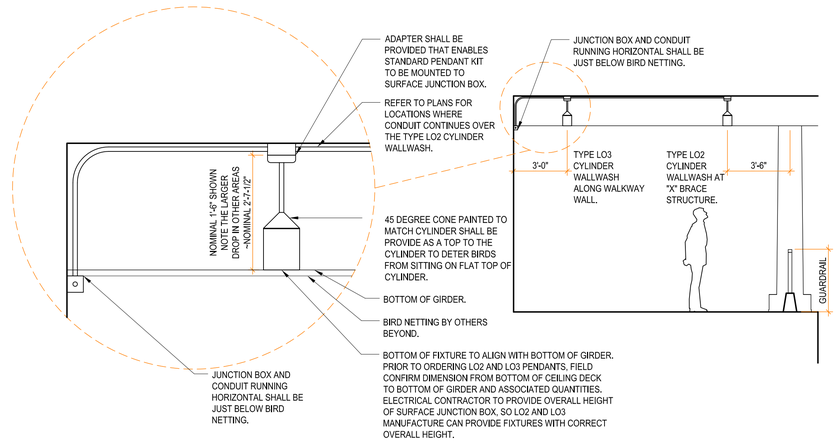
1 **SECTION ROADWAY LOOKING SOUTH**
1/8" = 1'-0"



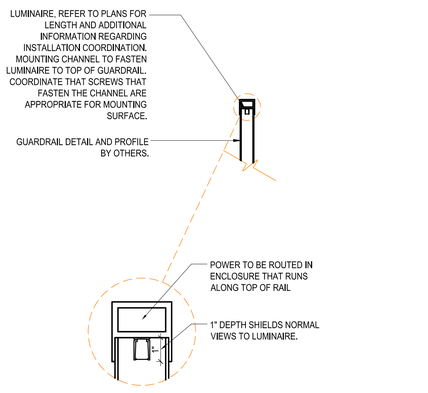
6 **SECTION AT FASCIA**
NTS



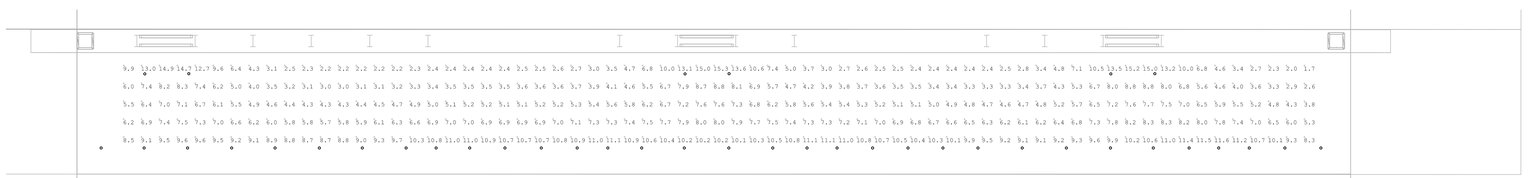
2 **SECTION WALKWAY LOOKING SOUTH**
1/8" = 1'-0"



3 **LIGHTING SECTION-WALKWAY**
1/8" = 1'-0"



4 **LIGHTING DETAIL-GUARDRAIL**
1" = 1'-0"



5 **POINT-BY-POINT LIGHTING CALCULATION - LIGHT LEVELS HORIZONTAL AT WALKWAY**
1/8" = 1'-0"

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Horizontal	Illuminance	Fc	6.65	15.3	1.7	3.91	9.00
Vertical	Illuminance	Fc	3.28	5.9	0.7	4.69	8.43

IESNA RECOMMENDED LIGHT LEVELS UNDERPASS SIDEWALK
4 fc AVG HORIZONTALLY 3:1 AVG:MIN
2 fc MIN VERTICALLY 5'

REFLECTANCE CEILING 30/WALLS 30/FLOOR 30 RED STRUCTURE 25

LO2 WALLWASH ON "X" STRUCTURE AND L03 WALLWASH ON WALL INCLUDED IN CALCULATIONS.

LLF INCLUDES .85 FOR LUMEN LOSS OVER LIFE TIME OF LED AND .5 TO ACCOUNT 50% DIMMING.

LIGHT LEVELS ARE HIGHER THAN RECOMMENDED BY IESNA, BUT DIMMING WILL BE PROVIDE FLEXIBILITY TO SET THE INITIAL LIGHT LEVELS LOWER. IN ADDITION, THE INTERIOR WALL FINISH CAN BE CHANGED LATER WITHOUT COMPROMISING LIGHT LEVELS BECAUSE OF INCREASED OR DECREASED REFLECTANCE.

PRINTS ISSUED

DATE	PURPOSE	NO.
09.13.17	FOR CONSTRUCTION	

DOUGLAS AVE.-BNSF RAILROAD UNDERPASS IMPROVEMENTS WICHITA, KS

LKArchitecture

Architecture • Engineering • Planning • Interior Design • Landscape Architecture

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CONTACT:

PROJECT NUMBER:
17145

SHEET TITLE:
ELECTRICAL SITE DETAILS

SHEET NUMBER:
27

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