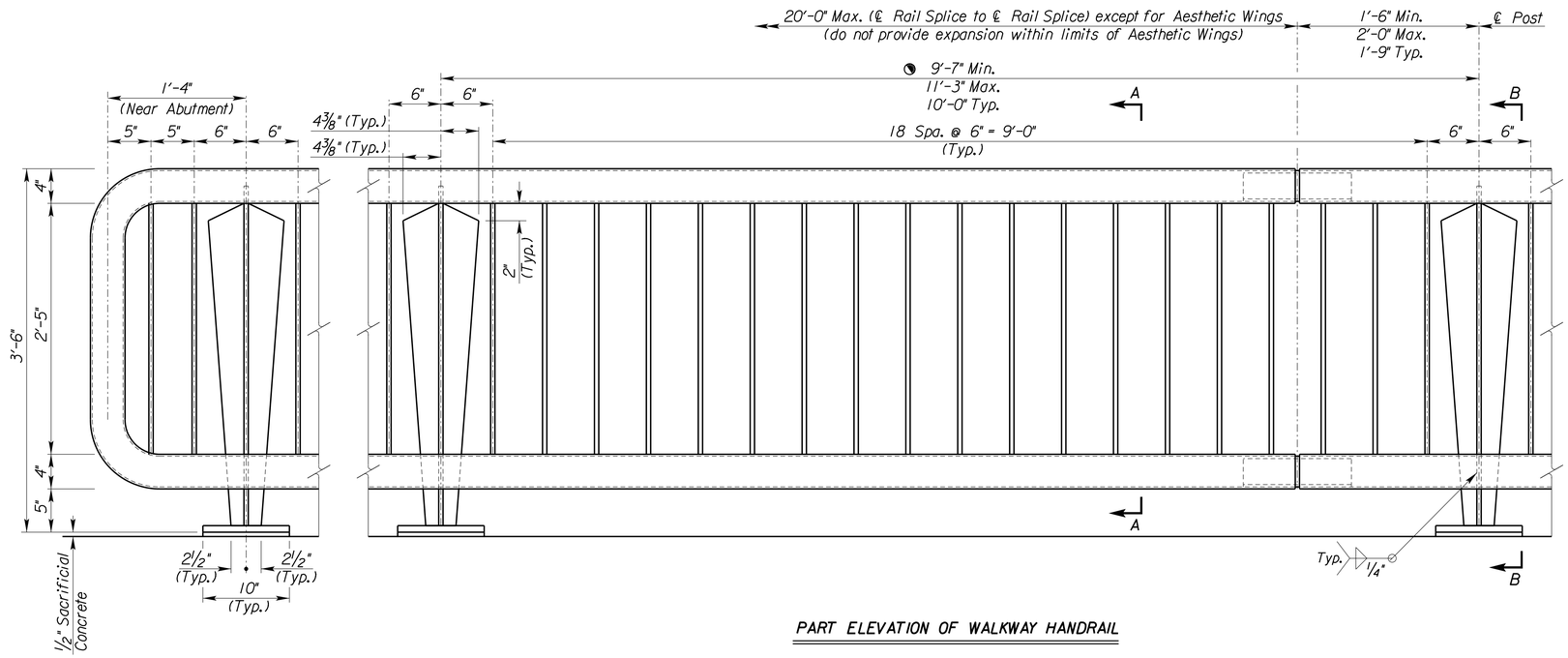
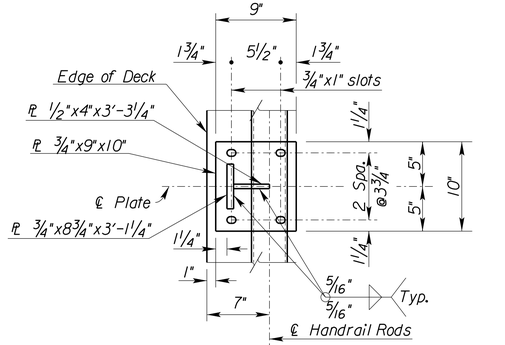
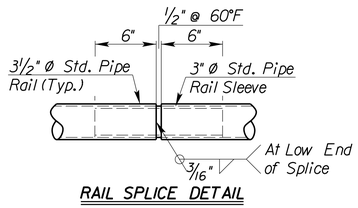


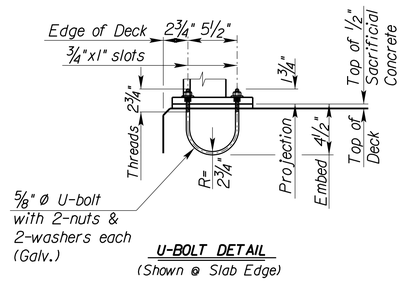
PART ELEVATION OF WALKWAY HANDRAIL



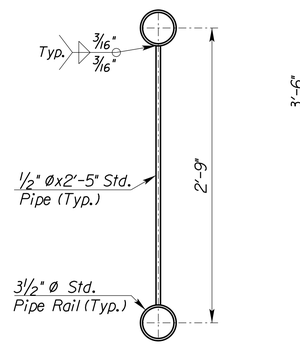
PLAN OF BASE PLATE ALONG EDGE OF DECK



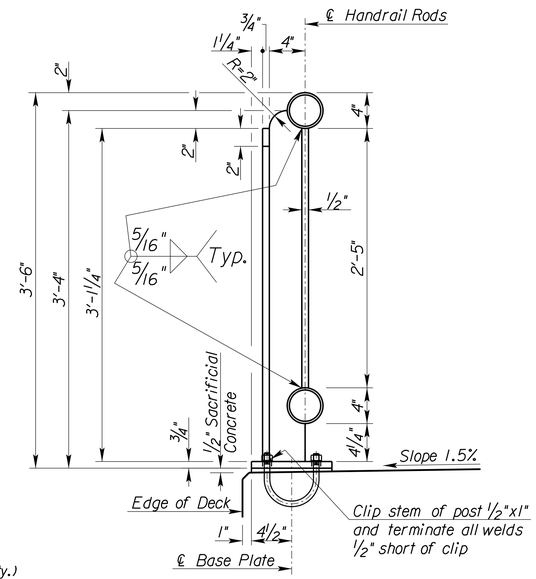
RAIL SPLICE DETAIL



U-BOLT DETAIL
(Shown @ Slab Edge)



SECTION A-A
(Aesthetic Wing not shown for clarity.)



SECTION B-B
(@ Deck)
(Aesthetic Wing not shown for clarity.)

GENERAL NOTES:

Material Specifications:
Plates & Shapes: A709 Grade 36
Pipe: A-500 Grade B
Tube: A-500 Grade B
U-bolts: Grade 36 (Galv.)(Including nuts & washers)

Posts shall be set vertical and shimmed if necessary. All cut edges shall be true and smooth, free of burrs, ragged breaks, and sharp edges.

All handrail components, except U-bolt assemblies, shall be sandblasted and powder coat painted as per Manufacturer's specs. Color for all bridge metal handrails shall be determined by color samples submitted to the City of Wichita for approval prior to application.

U-bolt assemblies shall be hot dip galvanized after fabrication. All bolts, nuts and washers shall be zinc or cadmium plated, conforming to KDOT Standard Specifications. U-bolt assemblies, bolts, nuts and washers shall be furnished and installed by Contractor.

Cost for posts, end posts, pipe, rail, rail sleeves, caps, angles, U-bolt assemblies, paint, samples and all components required for the installation, including labor and incidentals, of the handrails shall be included in the price bid items "Bridge Handrail (Metal)(3'-6") Linear Ft.", "Bridge Handrail (Metal)(4'-6") Linear Ft.", and "Bridge Handrail (Metal)(1'-10") Linear Ft." for each railing type.

Embed U-bolts in the concrete. Care shall be taken to protect U-bolts from damage during construction.

All fillet welds shall be 1/4" unless otherwise noted.

Shop drawings and powder coat specifications shall be submitted for approval by the Engineer prior to fabrication.

LEGEND
EF = Each Face
NF = Near Face
FF = Far Face

See "Handrail Details I" sheet for Post Spacing.

See Sh. #74 for Handrail Details I sheet.

CITY OF WICHITA
wsp

HARRY STREET BRIDGE
OVER ARKANSAS RIVER

HANDRAIL DETAILS III

STRUCTURE NO. 430400876 30AR40

REVISIONS			
NO.	DATE	DESCRIPTION	

PROJ NO:	35838B
SCALE:	AS NOTED
DATE:	.
DESIGNED BY:	--
DRAWN BY:	--
CHECKED BY:	--
YEAR:	2019
SHEET NO	76
SHEET	76 OF 135

Plotted : 10/3/2019 2:15:24 PM File : T:\35838A-COW_HarryStBridge\Cadd\Sheets\Structures\838HRL03.dgn