

VIEW B-B

812"

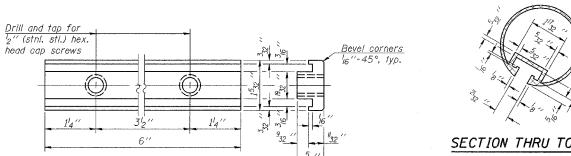
9<sub>16</sub> '' x 1<sup>1</sup>8'' slotted holes with 5° draft

 $\frac{9_{16}}{\text{holes with 5° draft}}$ 

(at bottom rail)

(at top rail)





RAIL POST DETAILS

 $\triangleright B$ 

 $2-\frac{1}{2}$ "  $\phi$  x 1" hex. hd. cap

and lock-washers (stnl. stl.)

screws with flat washers

16" clearance between post and rail

 $2^{-l_2}$ "  $\phi$  x  $1^{l_2}$ " hex. hd. cap screws with flat

washers & lock-washers

(stnl. stl)

\* 2 - <sup>13</sup>16 '' \$\phi\$ holes with \_\_

5° draft in base of

post for 2-5" \$ x

 $1^{3}$  hex. hd. cap

screws. Std. flat

\* 2-34" \$ welded studs

(1015, 1018, 1020)

drilled and tapped for

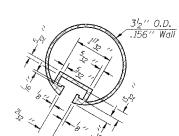
38" x 14" x 7"-

6"-13. AASHTO M 169

washers (stnl. stl.)

'<sub>B</sub>" Fabric Bearing Pad-

RAIL POST CLAMP BAR For Top Rail



35" O.D.

.156′′ Wall

machined.

These surfaces cast

(stnl. stl.)

3<sub>8</sub>" x 1" x 6" bar

(stnl. stl.) Drill and tap for ½" ¢ cap screws.

\* 2-1<sub>16</sub> "  $\phi$  holes with 5°

Base of post shall be

Front face of parapet

draft in base of post for 2

 $\frac{3}{4}$ "  $\phi$  x 2" hex. hd. cap

sealed with two component

non-staining gray sealing

compound with polysulfide liquid polymers-gun grade with primer.

\* 2-1" \$\psi welded studs drilled and

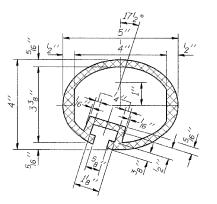
tapped for 34"-10. AASHTO

M 169 (1015, 1018, 1020)

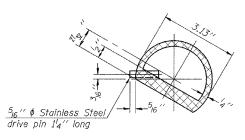
screws. Std. flat washers.

flat and true or

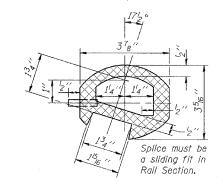
SECTION THRU TOP RAIL



SEC. THRU ELLIPTICAL RAIL SECTION

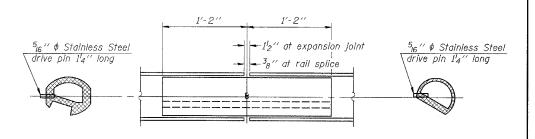


SECTION THRU SPLICE For Top Rail



SEC. THRU SPLICE

## RAIL END SECTION



BOTTOM RAIL

for rail post spacing.

RAIL SPLICE

TOP RAIL

BILL OF MATERIAL

All Posts shall be normal to parapet. All joints in rail shall be spliced per detail. Provide 1-18" and 2-16" Aluminum Shims for 25% of the Posts. Rail elements shall be parallel to Grade-high spots will be ground and low spots shimmed. See DWG, S-14 and Sheet

DWG. S-18 of 34

Unit Quantity

		5,,,,,	0. 0.
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPO	RTATION
NAME	DATE	BRIDGE RAILING DETAILS	
		ILLINOIS ROUTE 59 OVER DUPAGE	RIVER
		FAP ROUTE 338 SECTION 114 BY-R-1	
	WILL COUNTY		
		STATION 3209+85.00 STRUCTURE NUMBER 099-0339	
		SCALE: NONE DESIGNED BY: SB DRAWN DATE: 08/17/07 CHECKED BY: WPM CHECKE	

Item

Aluminum Railing, Type L Foot

KNIGHT