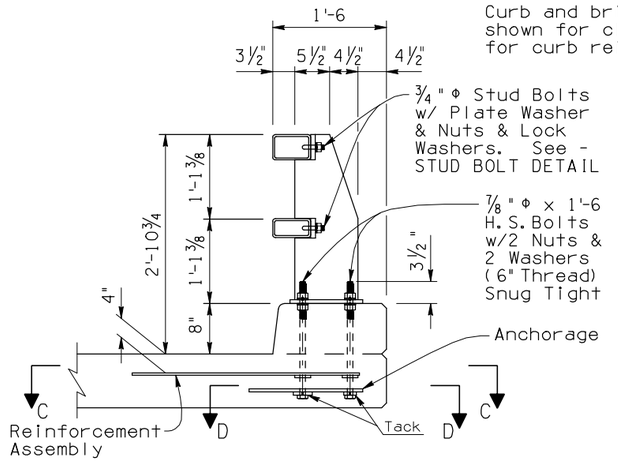
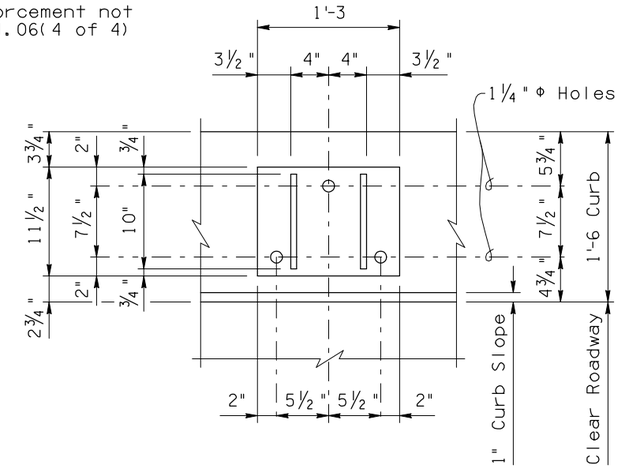
NOTE:

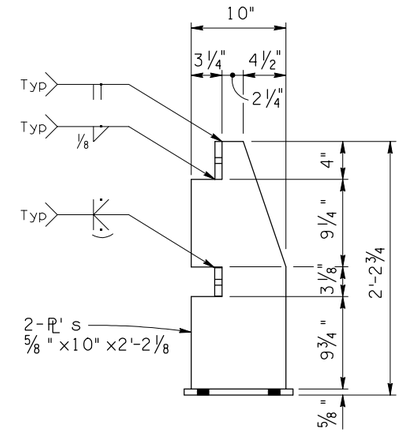
Curb and bridge deck reinforcement not shown for clarity. See SD 1.06(4 of 4) for curb reinforcing.



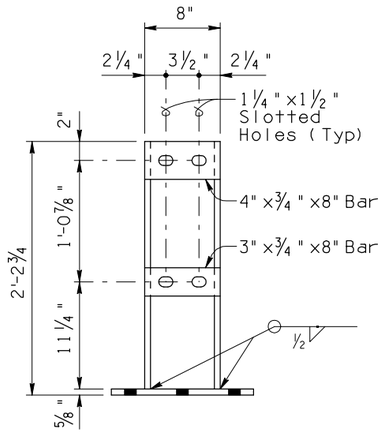
SECTION A-A



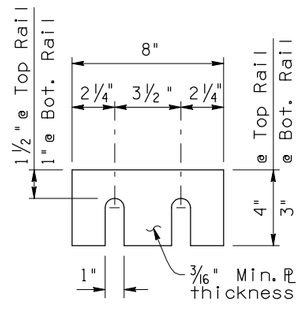
SECTION B-B



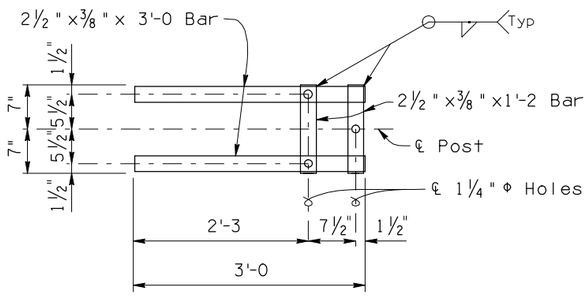
POST DETAIL
(Side View)



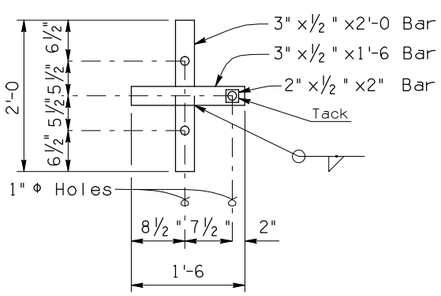
POST DETAIL
(Elevation)



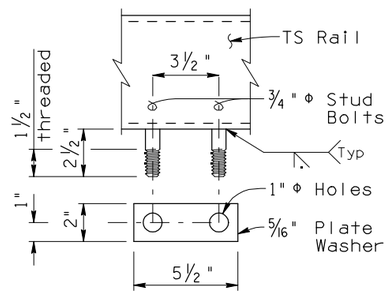
SHIM PLATE DETAIL



SECTION C-C
(Reinforcement Assembly)



SECTION D-D
(Anchorage)



STUD BOLT DETAIL

INSTALLATION NOTES:

1. Venting and pick-up holes in rails and sleeves shall be shown on fabricator's shop plans.
2. Anchor bolts may be tack welded to anchorage. (Shop or field.)
3. All rough edges on posts and rails shall be ground smooth.
4. Post base (℄'s) shall be flat after fabrication.
5. Rails shall not be field spliced.
6. Railing posts shall be in place and in proper alignment prior to placement of curb concrete.
7. Shim plates shall be provided as necessary to provide contact of TS rails to posts. Bolted connections shall be snug tight.
8. After installation of rail, the exposed rail bolt threads shall be painted with two coats of zinc rich paint conforming to the requirements of ADOT Standard Specifications for Road and Bridge Construction.
9. Rail expansion splices shall be located in the railing panel which passes over the bridge expansion joint. See Bridge Drawings for expansion joint locations.
10. Either top or bottom rail in standard splice terminal section may be the longer rail.
11. In rehabilitation work, railing that cannot feasibly be made continuous over a minimum of two posts shall be provided with a double-bolted splice.
12. Not more than one splice shall be permitted per side of post except at expansion splices.

NO	DESCRIPTION OF REVISIONS	MADE BY	DATE
1.	Original Issue	S.U.H.	8-99
2.	Curb height, Curb width, Rail bolts, General update	S.U.H.	6-09
3.	.	.	
4.	.	.	

DESIGN APPROVED: Shafi U. Hasan

APPROVED FOR DISTRIBUTION: Jean A. Nehme

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
BRIDGE GROUP STRUCTURE DETAIL

TWO TUBE BRIDGE RAIL

ROUTE	PROJECT NO.	FA NO.	DRAWING NO.
			SD 1.06(2 of 4)
LOCATION			SHEET NO. OF