

and position the pads such that not less than $\frac{1}{2}$ " of the

3 Sides

(Typ.)

RAIL POST DETAIL

3/4" x 1-2 x 1-0

(Straightened)

pad protrudes on all sides of the base plate. Punch

slotted holes in pads to match base plate.

1/4

21/2"

1-0

SIDE VIEW

31/4"

SECTION A

35/8"

- Face of curb

€ 11/8" Ø Holes

P ¾" x 1-2 x 1-0

(Straightened)

1-2 Curb

55/8" 43/4"

25/8"

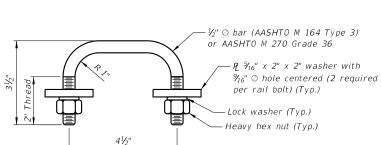
1-0

SECTION B

(Anchor bolts not shown)

€ Rail post -

83/8"



NOTES

PLACEMENT: Do not disturb the deck cure to construct the curb and rail.

CONCRETE STRENGTH: Do not place construction vehicles or equipment on the deck until the concrete has reached 90% of its specified 28-day compressive strength or without approval from the Project Manager.

<u>GALVANIZING:</u> Galvanize all bolts, nuts, washers and pipe sleeves in accordance with ASTM F 2329.

REFLECTORS: Place a white reflector on top of the top tube rail at equal spacing (not to exceed 30 foot spacing) between ends of rail. See Dtl. Dwg. No. 605-00 for reflector detail. Mount the reflector on the tube rail with an approved adhesive. Include the cost of reflector in the unit price bid for 42 IN Open Rail - BR.

PAYMENT: Payment for 42 IN Open Rail - BR per linear foot includes compensation for the cost of Concrete - Class Deck in the curb and for all resources necessary to complete the work. See the General Layout for the number of linear feet for payment of 42 IN Open Rail - BR. Use rail post plates and base plates conforming to AASHTO M 270 Grade 50 T3. Use AASHTO M 270 Grade 50 for all other plates and ASTM A500 Grade B for

 $\underline{\textit{ERECTION:}} \ \textit{Place rail posts as shown in details, perpendicular to adjacent}$ roadway grade and vertical in relation to roadway cross slopes.

PAINTING: Paint all posts, structural tubing and plates (except as noted) in accordance with the Standard Specifications. Galvanizing the posts, structural tubing and plates in accordance with AASHTO M 111 will be

EXCEPTIONS: Use details shown on this drawing only as they apply to the project. Anchorage details may vary. Refer to other drawings for variations

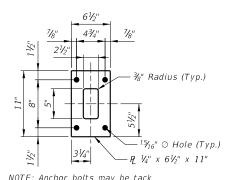
<u>FABRICATION:</u> For the purposes of fabrication, this rail system is considered an ancillary item. The requirements of subsection 1.3.7 of AASHTO/AWS D1.5 apply.

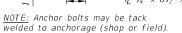
RAIL WEIGHT: For informational purposes only, the rail weight is

Curb weight = 131.3 lb/ft Curb volume = 0.875 cu. ft / ft Rail weight = 52.9 lb/ft

PICKETS: See Std. Dwg. No. SBR-0R42-PK for rail pickets when called for n the Bridge Plans.

<u>CRASH TEST:</u> This rail has been evaluated and approved to be of equal strength to railings with like geometry, which have been crash tested to meet MASH TL-4 criteria.





Q 15/16" X 13/4"

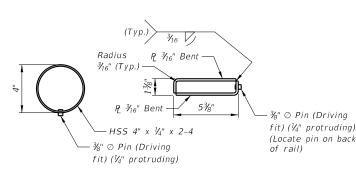
Slotted holes

43/8" 41/5" 43/8"

• •

1-2

FRONT VIEW



<u>NOTE:</u> Locate ¾" ⊘ Pin at mid-length of sleeve.

ANCHOR PLATE DETAIL

SLEEVE	FABRICATION	DETAILS

