



- 1 Locate centerline of Strut A no closer than 12" from a vertical concrete edge.
- (2)  $\notin 5_8"$  Dia x 2" Hexagon Socket Button Head Cap Screws (ASTM A574) w/Hex Nuts. Attach hex nuts to L 3 x 3 x  $\frac{1}{2}$ by tack welding in two places. Threads must have Class 3A fit tolerance in accordance ASME B1.1. Six screws required.
- ③ Epoxy anchors utilizing ¾" Dia ASTM-A193 Grade B7 or F1554 Grade 105 fully threaded anchor rods (no expansion anchors) can be substituted for the anchor bolts detailed at all locations. Minimum pullout strength of epoxy anchors must exceed 7 kips, taking spacing and edge distances into consideration. Install according to the manufacturer's specifications. Minimum embedment allowed is 6". Galvanize anchor rods, heavy hex nuts, regular lock washers and hardened washers used with optional epoxy anchors.
- 4 For Decked Slab Beams topped with a 2 course surface treatment and ACP overlay.
- 5 Anchor bolts to be cast in Decked Slab Beams topped with a 2 course surface treatment and ACP overlay. Anchor Bolts with heavy hex nuts, regular lock washers, hardened washers and anchor plate that is embedded in the beam will be provided by the beam Fabricator.

## GENERAL NOTES:

6'-9"

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SECTION A-A

3'-3''

と <sup>1</sup>1/<sub>16</sub>" Dia Hole (Typ) (2)

Lower Strut "B"

3'-3"

Upper Strut "A" (1)

Lower Strut "A"

- L 3 x 3 x ½

(ASTM-A36)

1 1/2"

1/2" V D)

This standard provides details to mount a vertical clearance sign (84" x 24") to bridges. Rail Types T631, T631LS, T77, PR1, PR2 and PR3 are not accommodated.

Install the vertical face of clearance sign plumb unless otherwise approved by the Engineer.

Galvanize all steel components after fabrication

The Engineer will furnish the clearance to be shown on the sign.

Shown on the sign. See Bridge Layout for sign location and mounting type (Type N or S). Cost of furnishing, installing, relocating or removing a clearance sign, including structural steel for sign mount, is included in unit price bid for Item 644, "Small Roadside Sign Assemblies". One Sign Blank (84" x 24") is 14 SF.

Average steel weight for one complete Type N Mount is 219 Lb.

Average steel weight for one complete Type S Mount is 233 Lb.

SHEET 1 OF 3						
Texas Department of Transportation					Bridge Division Standard	
BRIDGE MOUNTED						
CLEARANCE SIGN						
ASSEMBLY						
ASSEMBLI						
DMCC						
BMCS						
FILE: bmcsstel.dgn	DN: TX	DOT	ск: ТхДОТ	DW:	T x D 0 T	ск: ТхD0Т
CTxDOT January 2015	CONT	SECT	JOB		HIGHWAY	
REVISIONS						
	DIST	DIST COUNTY SHEET NO.				

(3) Epoxy anchors utilizing ¾" Dia ASTM-A193 Grade B7 or F1554 Grade 105 fully threaded anchor rods (no expansion anchors) can be substituted for the anchor bolts detailed at all locations. Minimum pullout strength of epoxy anchors must exceed 7 kips, taking spacing and edge distances into consideration. Install according to the manufacturer's specifications. Min embedment allowed is 6". Galvanize anchor rods, heavy hex nuts, regular lock washers and hardened washers used with optional epoxy anchors. (6) Adjust length to accommodate edge of slab to back of rail for specific project conditions and to help plumb the vertical face of clearance sign.



No warranty of any lity for the conversion 20 Engi (D0T DISCLAIMER: The use of this standard is kind is made by TxDOT for any

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Strut "A"

Strut "B"

1 3⁄4"

Strut "A"

1 3/4"

Strut "A"

1 3/4"

Λ

galvanizing.



• £ HSS 3 x 3 x ¼ (ASTM-A1085 or A500 Gr B)

3 1/2"

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3 1/3"

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3 1/2"

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(7)

Чin

12"

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Tack Weld -

CAST-IN-PLACE

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1 1/4"

1 1⁄4"

-⊊ ¾" Dia

Anchor Bolts

′Tack two

places

\'(Typ)

1 1/4"

<sup>15</sup>/<sub>16</sub>" Dia

Holes (Tvp)

Base PL 1

(ASTM-A36)

-Flush or 1/16" Max

€ 1 ½" Dia

<sup>13</sup>/<sub>16</sub>" Dia

Holes (Tvp)

Anchor PL 3/8

(ASTM-A36)

Hole

