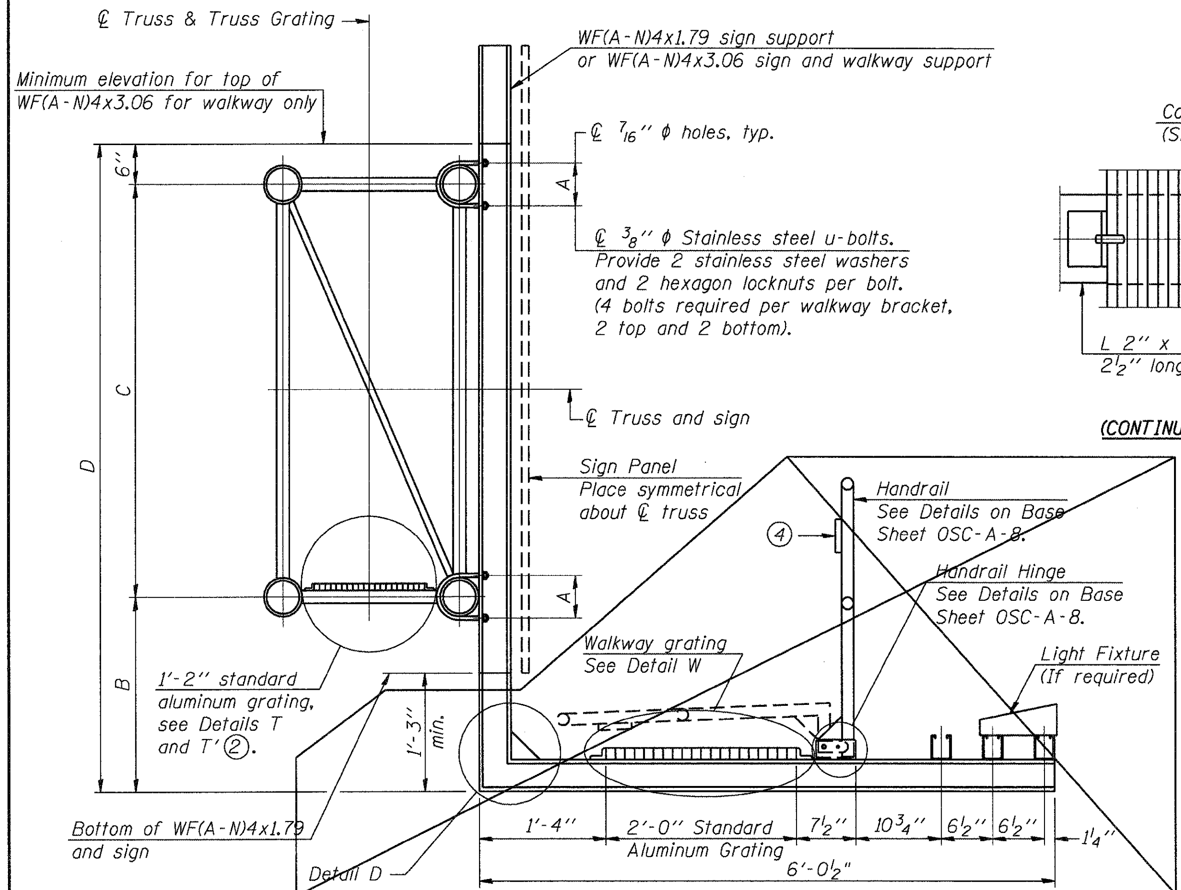
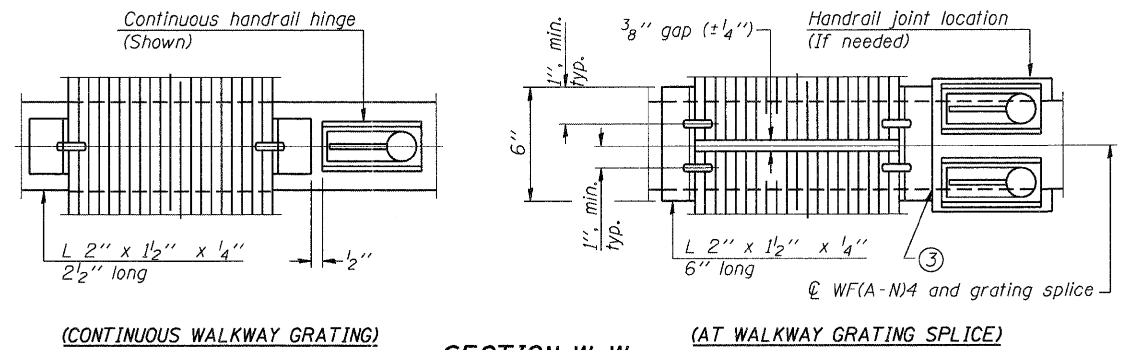
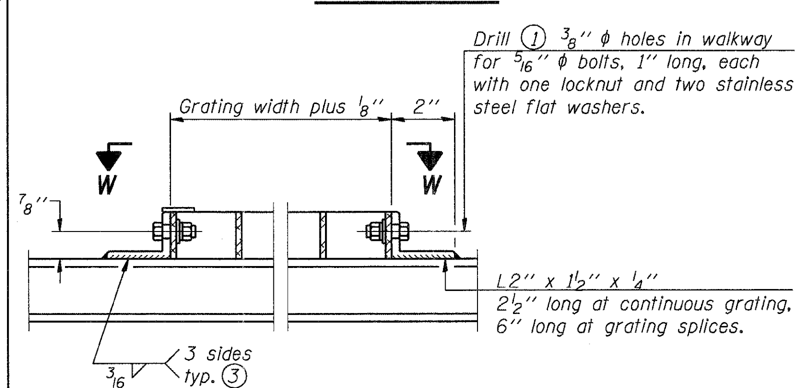


SECTION B-B

Sign shall be even with the top of the bracket, but it may extend no more than 6" above the top of the bracket for field adjustments.

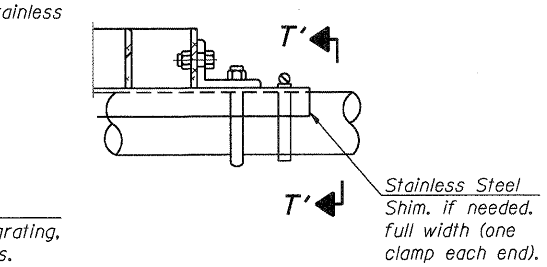


SECTION W-W



DETAIL W

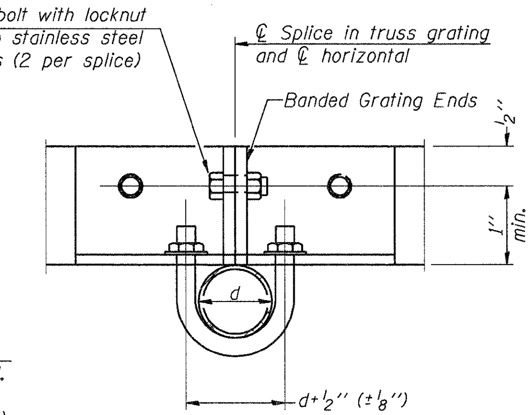
(Walkway grating)



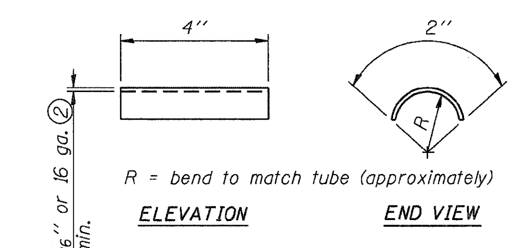
DETAIL T'

(Truss grating splice)

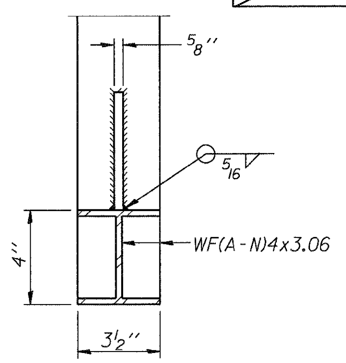
Details not shown same as Detail T. Alternate materials may be used subject to the Engineer's review and approval.



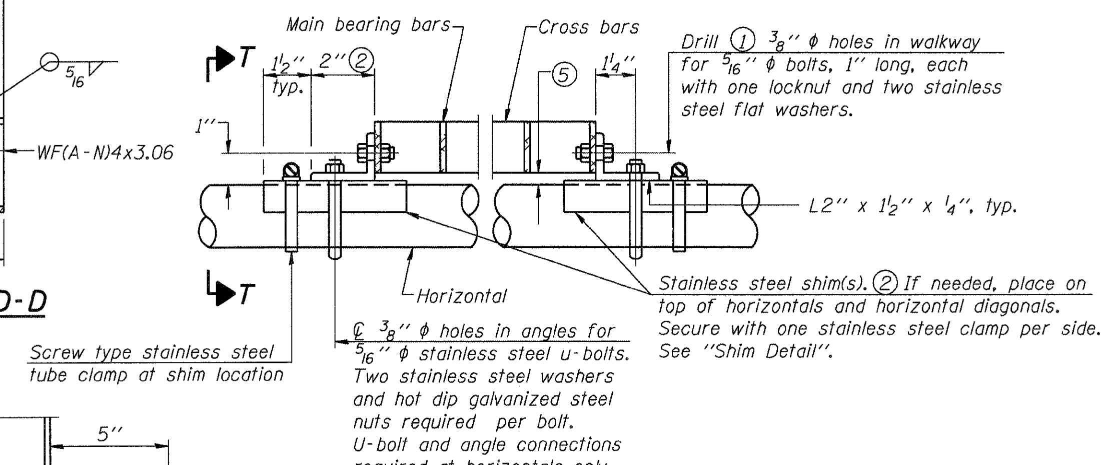
SECTION T'-T'



SHIM DETAIL

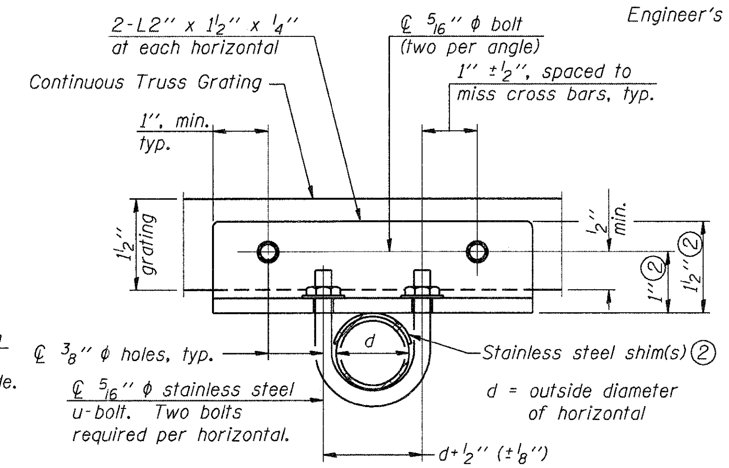


SECTION D-D

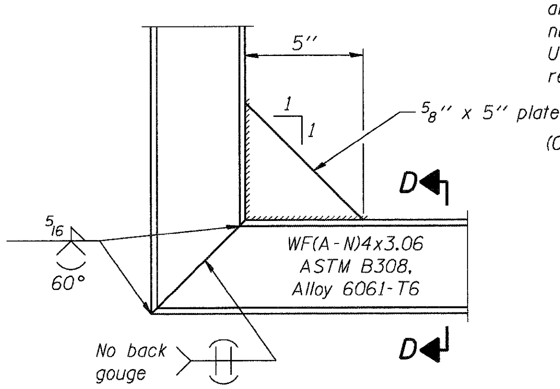


DETAIL T

(Continuous Truss grating)



SECTION T-T



DETAIL D

WALKWAYS ARE NOT INCLUDED WITH PROPOSED CANTILEVERS

SPECIFICATIONS FOR STANDARD ALUMINUM GRATING

Main Bearing Bars (MBB) shall be 3/16" x 1½" on 1 3/16" centers and conform to ASTM B211 Alloy 6061-T6.

Cross bars (CB) shall be 3/16" x 1½" on 4" centers and conform to ASTM B221 Alloy 6063-T5 or 6061-T6.

OR

Aluminum Grating with modified "I" sections for main bearing bars shall meet the following requirements:

Main bars shall conform to ASTM B221 Alloy 6061-T6 and have a minimum section modulus equal to 0.0705 $in.^3$ per bar, a depth of 1½", spaced on 1 3/16" centers.

Cross bars shall conform to ASTM B221 Alloy 6063-T5 or T-42 and spaced on 4" centers.

① Drilling holes in grating may be done in shop or field, based on Contractor's preference and subject to accurate alignment.

② Stainless steel shims shall be placed as shown in Detail T if needed to compensate for alignment variations between horizontal and diagonal pipes beyond adjustment provided by angles. Thicker shims may be used subject to shims performing properly.

③ If Handrail Joint present, weld angle to WF(A-N)4 and ¼" extension bars. (See Base Sheet OSC-A-8.)

④ ℙ ⅛" x ½" x 2" welded to handrail posts to protect locations that contact grating.

⑤ Tube to grating gap may vary from 0 to ½", max. to align walkway, allow for camber, etc.

⑥ Based on actual sign height, D_S, given on OSC-A-1.

Structure Number	Station	A	⑥ B	C	⑥ D
1C045U020R015.1	83+50.00	8½"	N/A	7'-0"	8'-0"
1C045U020L015.7	113+23.91	8½"	N/A	7'-0"	8'-0"
1C045U020L015.8	122+24.46	8½"	N/A	7'-0"	8'-0"
1C045U020L016.0	135+24.28	8½"	N/A	7'-0"	8'-6"

OSC-A-7 7-1-10 (modified)

..\D160H45-BORDER01.DGN, ..\D160H45-SHT-SIGNDETU08.DGN
12-12-2011, 13:20:46 BAJZEKKJ \\FS-2044\AMXVAULT_D-TRANS.07\2202\21379-001\CIVIL\CAD\60H45\SHEET\D160H45-SHT-SIGNDETU09.DGN

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED - AMB	REVISED -
TENG & ASSOCIATES, INC. ENGINEERS/ARCHITECTS/PLANNERS CHICAGO, ILLINOIS	PLOT SCALE = $SCALE$	DRAWN - AMB	REVISED -
	PLOT DATE = $DATE$	CHECKED - MDB	REVISED -
		DATE - 12/16/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
FAP ROUTE 345 / US ROUTE 20

CANTILEVER SIGN STRUCTURES
WALKWAY DETAILS
ALUMINUM TRUSS & STEEL POST

SCALE: N.T.S. | SHEET NO. SS-7 OF SS-14 | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	8R-R	KANE	794	364

CONTRACT NO. 60H45

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT