



**SPECIFICATIONS FOR STANDARD ALUMINUM GRATING**

Main Bearing Bars shall be 3/16" x 1 1/2" on 1 3/4" centers and conform to ASTM B221 Alloy 6061-T6.  
 Cross bars shall be 3/16" x 1 1/2" on 4" centers and conform to ASTM B221 Alloy 6063-T5 or 6061-T6.

OR

Aluminum Grating with modified "T" 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.<sup>3</sup> per bar, a depth of 1 1/2", spaced on 1 3/4" centers.  
 Cross bars shall conform to ASTM B221 Alloy 6063-T5 or T-42 and spaced on 4" centers.

Structure Number	Station	A	⑥ B	C	⑥ D
IS0161094L033.0	439+49	MATCH EX	N/A	8'	N/A

- Drilling holes in grating may be done in shop or field, based on Contractor's preference and subject to accurate alignment.
- 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.
- If Handrail Joint present, weld angle to WF(A-N)4 and 1/4" extension bars. (See Base Sheet OS-A-11.)
- 1/8" x 1/2" x 2" welded to handrail posts to protect locations that contact grating.
- Tube to grating gap may vary from 0 to 1/2", max. to align walkway, allow for camber, etc.
- Based on actual height of tallest sign given on OS-A-1.

**REVISION NOTES:**

1 EXISTING WALKWAY TO BE REMOVED (PAID FOR AS REMOVE OVERHEAD SIGN STRUCTURE - WALKWAY). THE EXISTING WALKWAY WILL NOT BE REPLACED.

ALL EXISTING SIGN PANELS, BRACKETS SUPPORTING WALKWAY, SIGN, AND RELATED HARDWARE ARE TO BE REMOVED (PAID FOR AS REMOVE AND RE-ERECT EXISTING SIGN, PER EACH SIGN). ITEM WILL INCLUDE NEW BRACKETS AND ALL NECESSARY HARDWARE TO MOUNT PROPOSED SIGN PANELS. SIGN PANELS WILL BE PAID FOR AS SIGN PANEL - TYPE 3.

OS-A-10 6-1-12

FILE NAME =	USER NAME = BAW:ort	DESIGNED - JLV	REVISED - 10/31/2012
G:\CH11\0158\Road\Sheets\0160T35-SHT-ST	PRODUCT-SIGNDETAILS.dgn	DRAWN - MNB	REVISED -
PLOT SCALE = 10.0000 / in.	CHECKED - RCB	REVISOR -	REVISED -
PLOT DATE = 11/1/2012	DATE - 10/31/2012	REVISOR -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES  
ALUMINUM WALKWAY DETAILS

SCALE: N.T.S SHEET NO. 328 OF 919 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	(1920.01,1518,2022&1922.4)BR	COOK	919	328
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60T35	