



SPECIFICATIONS FOR STANDARD ALUMINUM GRATING
 Main Bearing Bars (MBB) shall be 3/16" x 1 1/2" on 1 3/16" centers and conform to ASTM B211 Alloy 6061-T6.
 Cross bars (CB) shall be 3/16" x 1 1/2" on 4" centers and conform to ASTM B211 Alloy 6063-T5 or 6061-T6.

OR
 Aluminum Grating with modified "4" 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 1 1/2", spaced on 1 3/16" centers.
 Cross bars shall conform to ASTM B221 Alloy 6063-T5 or T-42 and spaced on 4" centers.

- 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 OSC-A-8.)
- 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 sign height, D_s, given on OSC-A-1.

| Structure Number | Station | A | (6) B | C | (6) D |
|------------------|------------|---|-------|-------|-------|
| 2C081LRIVR000.7 | 3010+20.00 | - | - | 5'-6" | - |
| 2C081LRIVL000.6 | 3019+40.00 | - | - | 5'-6" | - |
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SIGN PANEL (DMS), SIGN PANEL SUPPORTS AND HARDWARE, WALKWAY GRATING, WALKWAY SUPPORTS, HANDRAIL AND LIGHTING ARE NOT INCLUDED IN THIS CONTRACT. THE INFORMATION SHOWN ON THIS SHEET SHALL BE USED FOR TRUSS GRATING ONLY.

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OSC-A-7 6-1-12

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ITS ARTERIAL DMS POLE
 CANTILEVER SIGN STRUCTURES - WALKWAY DETAILS
 ALUMINUM TRUSS & STEEL POST
 SHEET NO. 8 OF 11 SHEETS

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|---------|-------------|--------------|-----------|
| 5756 | (81-1M) | ROCK ISLAND | 217 | 145 |
| CONTRACT NO. 64J68 | | | | |

ILLINOIS FED. AID PROJECT

| FILE NAME | USER NAME | DESIGNED | REVISD |
|---|-----------|----------|--------|
| Ar-tCantDMS-TBD-100-Ar-tCantDMSuppl01.dgn | kous | MFB/MFH | - |
| MODEL | | CHECKED | |
| E 08 OS-A-7 Cantilever Sign Structures | | KJN | - |
| | | DRAWN | |
| | | MFB | - |
| | | CHECKED | |
| | | KJN | - |
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