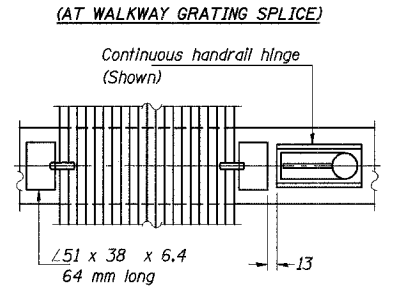
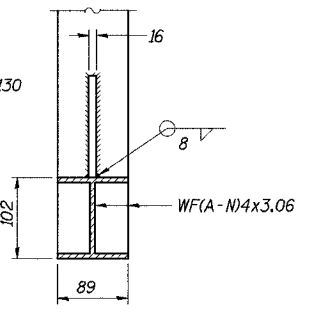
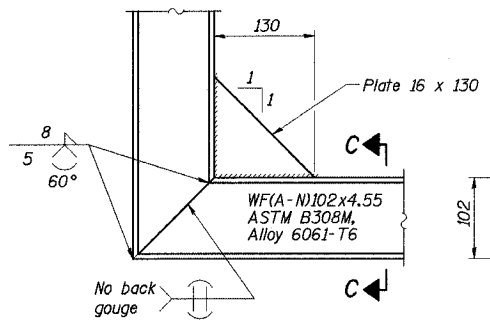
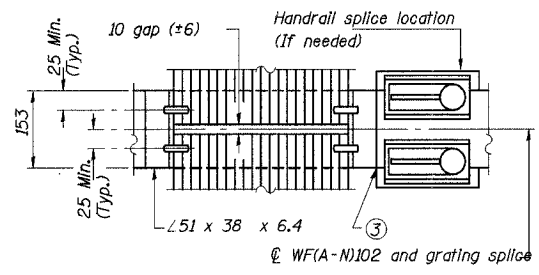
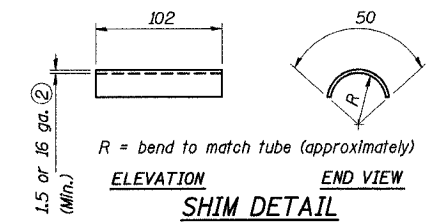
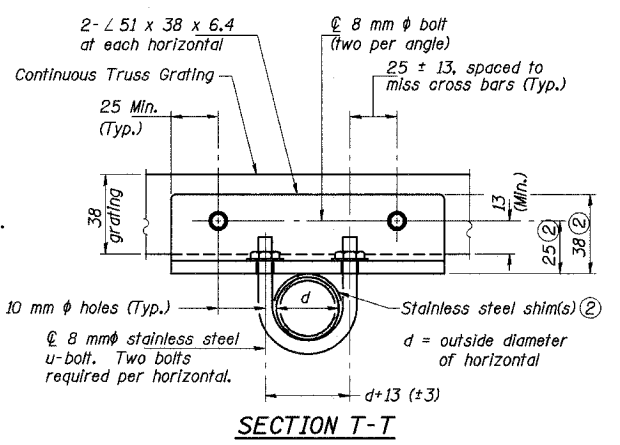
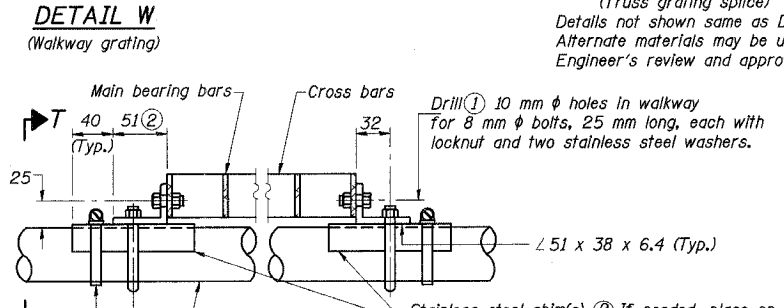
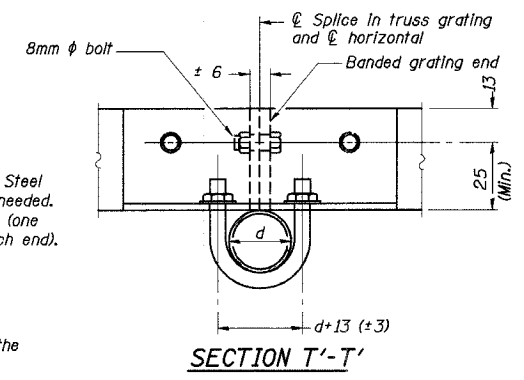
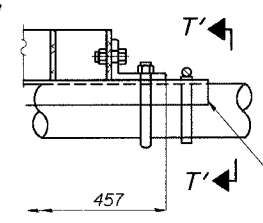
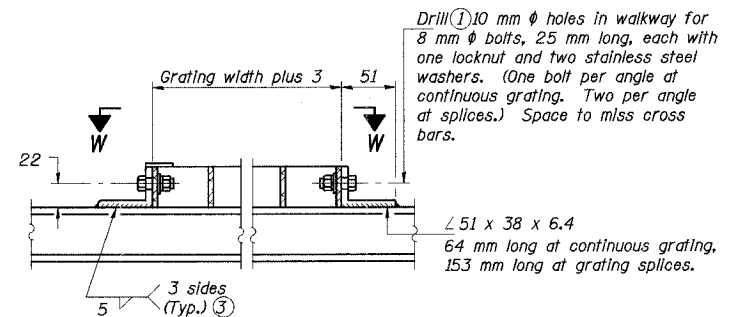
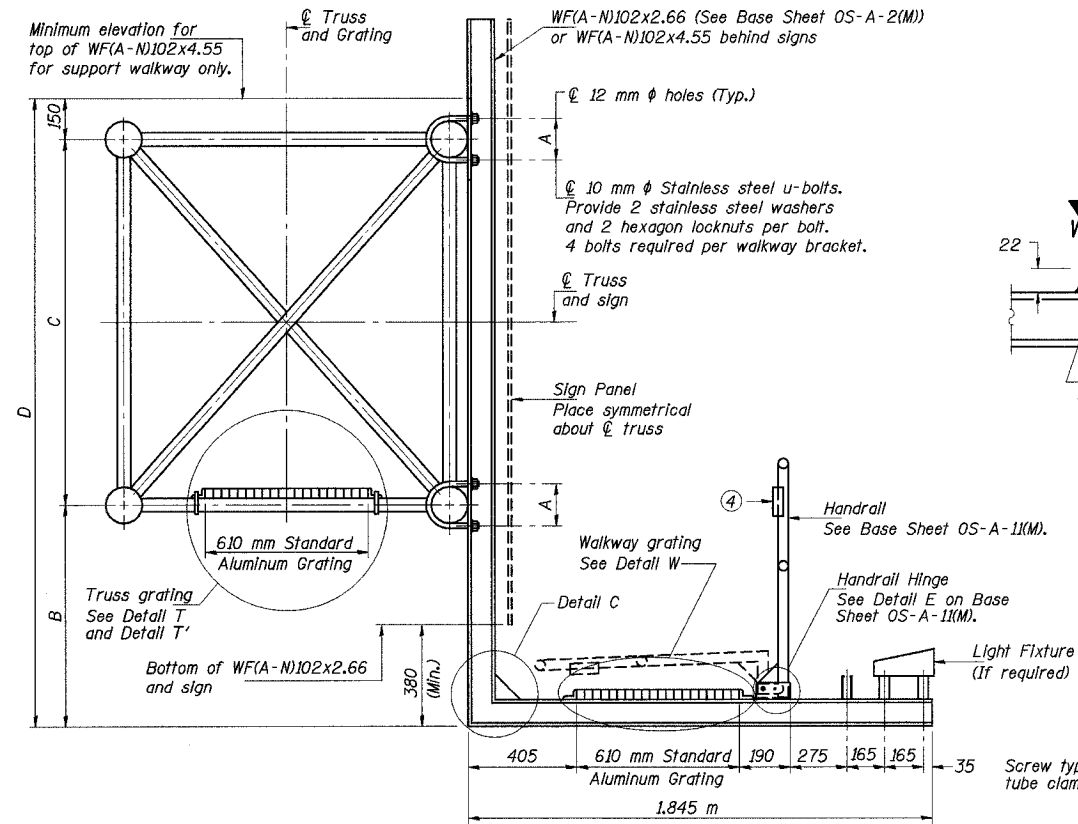


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I. 80/94		COOK	870	322
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT-		
(0203.1 & 0312-708W) R3		CONTRACT NO. 62108		



SPECIFICATIONS FOR STANDARD ALUMINUM GRATING

Main Bearing Bars shall be 5 mm x 38 mm on 30 mm centers and conform to ASTM B221M Alloy 6061-T6.
Cross bars shall be 5 mm x 38 mm on 102 mm centers and conform to ASTM B221M 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 B221M Alloy 6061-T6 and have a minimum section modulus equal to 1.16 x 10⁻³ mm³ per bar, a depth of 38 mm, spaced on 30 mm centers.
Cross bars shall conform to ASTM B221 Alloy 6063-T5 or T-42 and spaced on 100 mm 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)102 and 6 mm extension bars. (See Base Sheet OS-A-11(M).)
- R 3 mm x 13 mm x 50 mm welded to handrail posts to protect locations that contact grating.

Structure Number	Station	A	B	C	D
ISO161094R073.3	18+871	0.137	1.570	1.370	3.090
ISO161094R073.5	19+274	0.150	1.455	1.600	3.205
ISO161094R073.8	19+686	0.150	1.455	1.600	3.205
ISO16S394R	440+757 (IL-394)	0.162	1.455	1.600	3.205

Note: all stationing is based on I - 94 unless noted otherwise.

DESIGNED	PY
CHECKED	DD
DRAWN	LK
CHECKED	DD

OS-A-10(M) 11/1/2002

NUMBER	REVISION	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-80/94/US 6 (KINGERY EXPRESSWAY)

OVERHEAD SIGN STRUCTURES
ALUMINUM WALKWAY DETAILS

DATE: JUL 18, 2005
SCALE: ---

HNTB

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