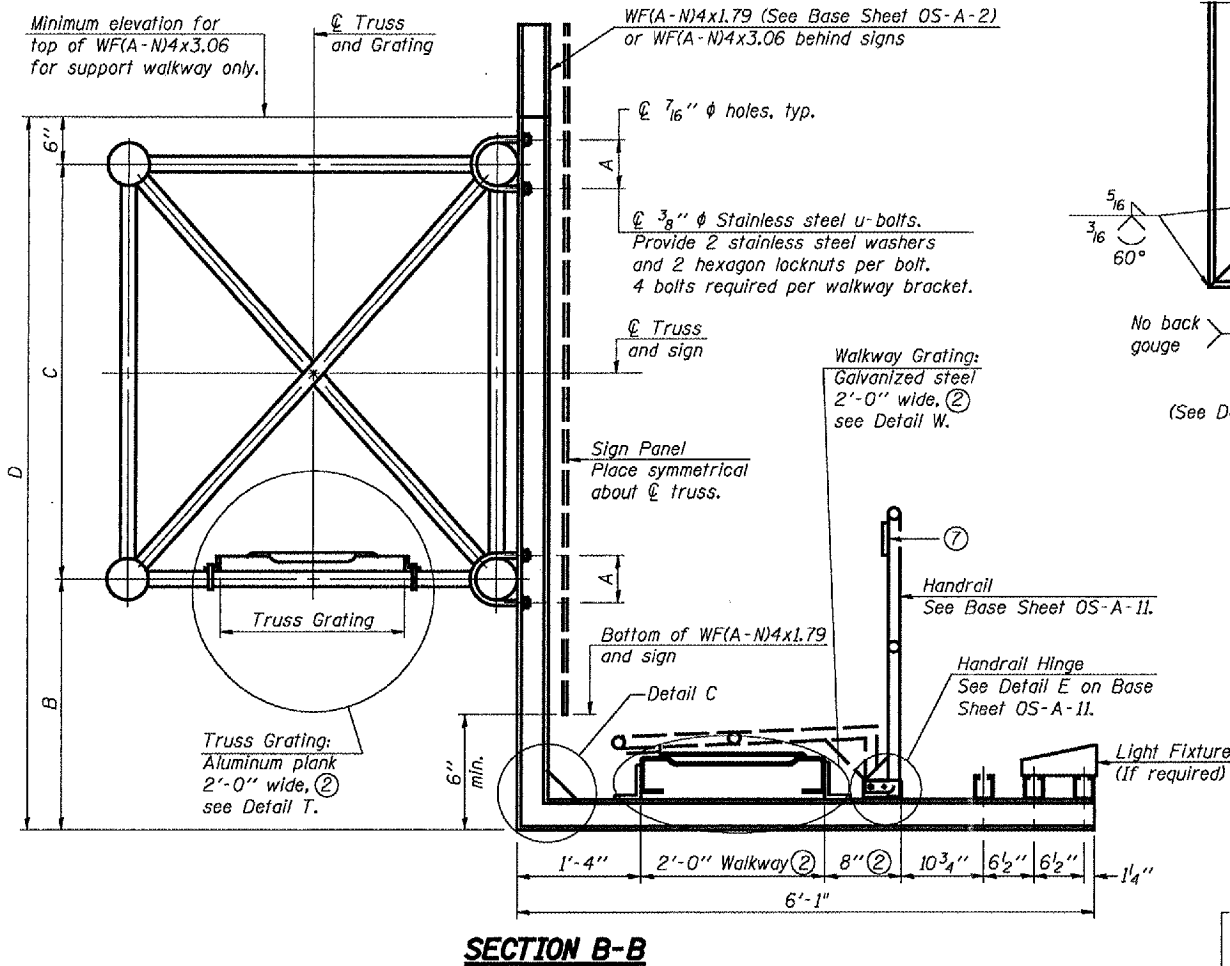
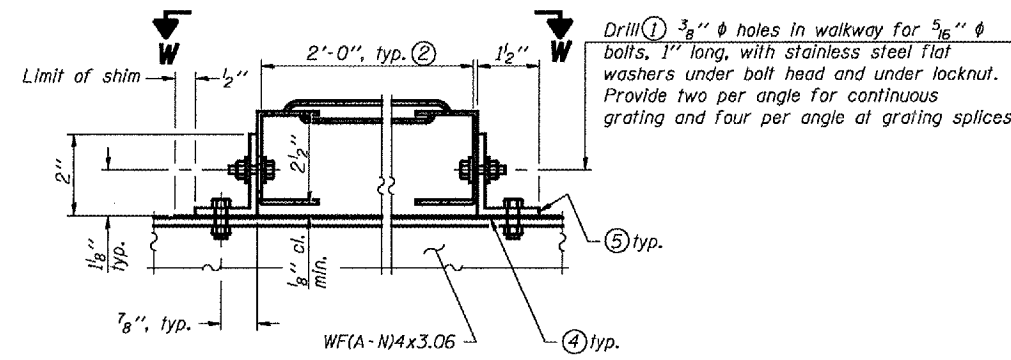


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

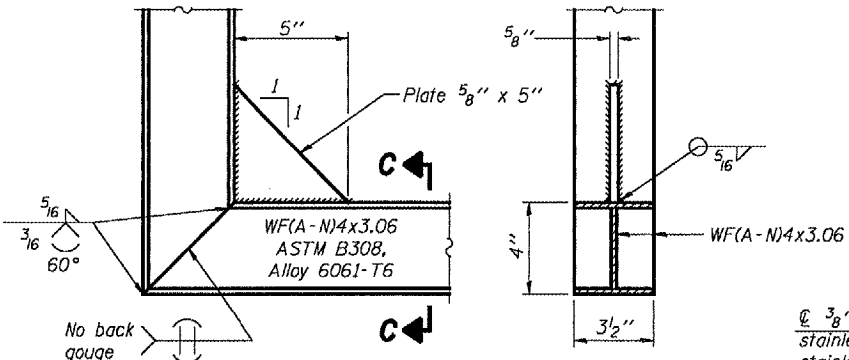
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO.
F.A.I. 55	D-6 ITS #1	SANGAMON		48	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT	Contract #		



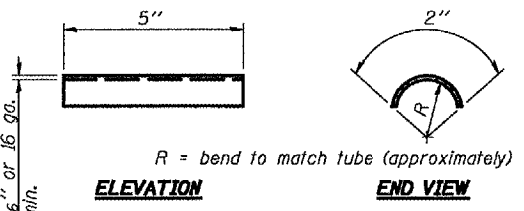
SECTION B-B



DETAIL W
GALVANIZED STEEL WALKWAY GRATING

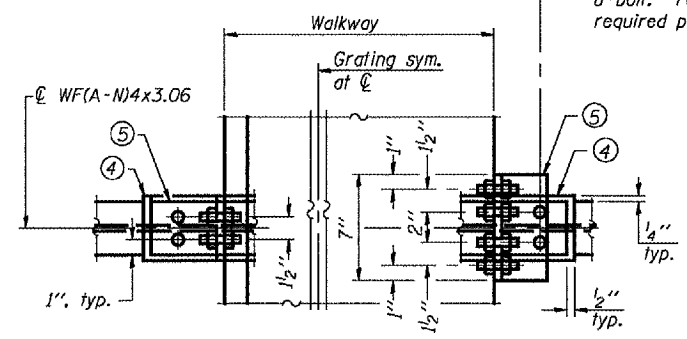


DETAIL C SECTION C-C

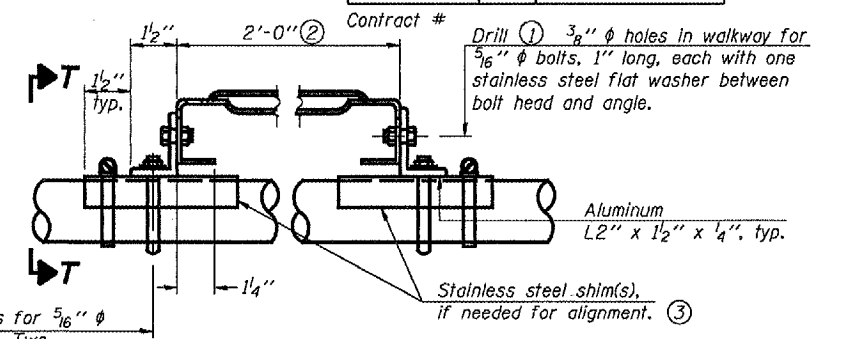


SHIM DETAIL

3/8" φ holes for 5/16" φ steel bolts with two stainless steel washer and hexagon nut per bolt, typ. Provide one per angle at continuous grating or two per angle at grating splices.

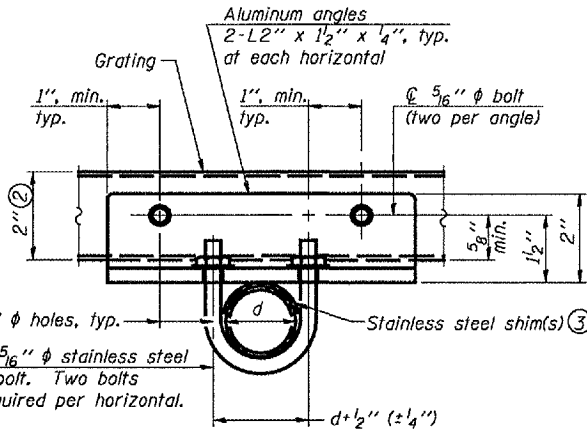


WALKWAY GRATING CONTINUOUS AT WALKWAY GRATING SPLICE
SECTION W-W



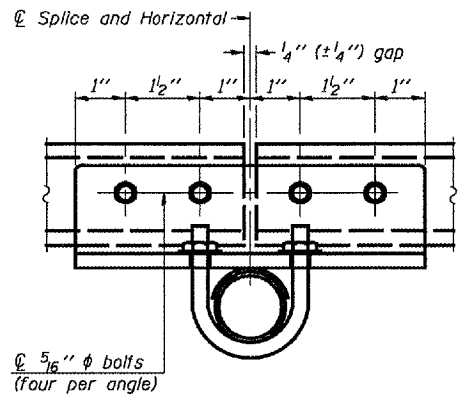
DETAIL T

3/8" φ holes in angles for 5/16" φ stainless steel u-bolts. Two stainless steel washers and hot dip galvanized steel nuts required per bolt. U-bolt and angle connections required at horizontals only.



SECTION T-T

(Truss Grating Continuous) d = outside diameter of horizontal



SECTION T-T

(Truss Grating Splice) Details not shown same as Section T-T. Alternate splice details and locations may be used subject to the Engineer's review and approval.

ALUMINUM TRUSS GRATING

Structure Number	Station	A	B	C	D
650841055R86.9	234+00.00	7 7/16"	1'-3"	7'-0"	8'-9"
650841055L107.0	202+54.00	7 7/16"	1'-3"	7'-0"	8'-9"

- Drilling holes in grating may be done in shop or field, based on Contractor's preference and subject to accurate alignment.
- Perforated or expanded metal grating providing a skid resistant (non-serrated) surface and capable of supporting a 500 pound concentrated load with a 6'-0" clear span. Walkway and truss grating dimensions are nominal and may vary (width ± 1/2", depth ± 1/2") based on available standard sizes. Cut ends of grating shall be free of burrs or hazardous projections and coated with zinc-rich primer or equivalent.
- Stainless steel shims shall be placed under angles at horizontals and horizontal diagonals if needed to compensate for alignment variations and differences in horizontal diagonal pipe sizes beyond adjustment provided by angles. Secure with one stainless steel clamp per location, see "Shim Detail". Thicker shim plates may be used when needed subject to shims performing properly.
- 1/8" (or 16 ga.) x 2 1/2" x 4" stainless steel shim adhered to top of WF(A-N)4x3.06 beneath each galvanized angle. Adhesives for shims shall be suitable for materials joined and full exposure conditions.
- Galvanized steel L2" x 1 1/2" x 1/4", 3 1/2" long with continuous grating, 7 1/2" long at grating splice.
- Details shown are considered equal alternatives to the Aluminum Walkway on Base Sheet OS-A-10 and may be substituted by Contractor at no change in contract cost.
- 1/8" x 1/2" x 2" welded to handrail posts to protect locations that contact grating.

OVERHEAD SIGN STRUCTURES
ALTERNATE WALKWAY DETAILS

F.A.I. 55 (I-55)
SECTION D-6 ITS #1
SANGAMON COUNTY

DESIGNED	200
CHECKED	ENGINEER OF BRIDGE DESIGN
DRAWN	ENGINEER OF BRIDGES AND STRUCTURES
CHECKED	

NUMBER	REVISION	DATE