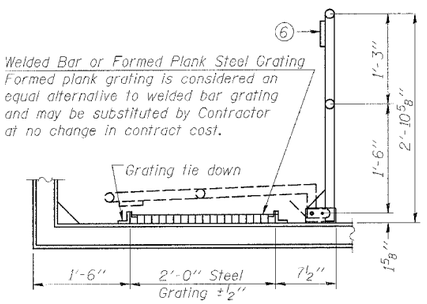
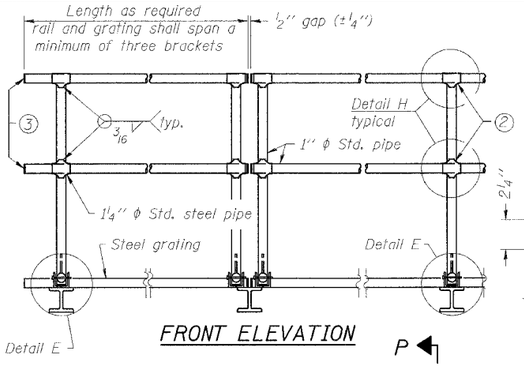
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 1360	0101BR-2	COOK	90	74
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 26
26 SHEETS
Contract #60A65

Welded Bar or Formed Plank Steel Grating
Formed plank grating is considered an equal alternative to welded bar grating and may be substituted by Contractor at no change in contract cost.

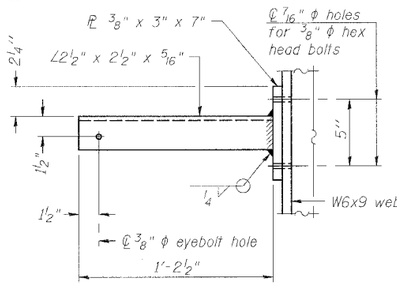


SIDE ELEVATION

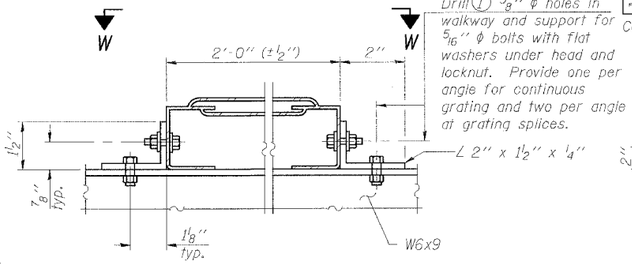


FRONT ELEVATION

DETAIL D HANDRAIL

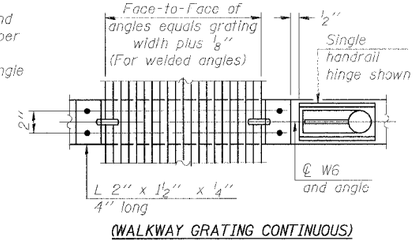


SECTION P-P

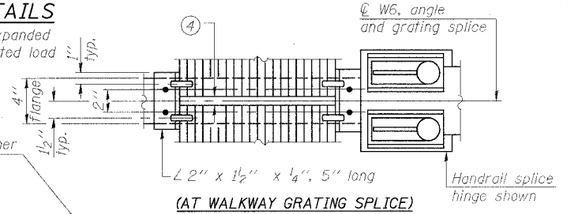


ALTERNATE FORMED PLANK GRATING DETAILS

Plank Grating: nominal depth = 2½" (±½"); perforated or expanded steel sheet with a non-skid surface (non-serrated) concentrated load capacity = 500 lbs. with 6'-0" clear span.

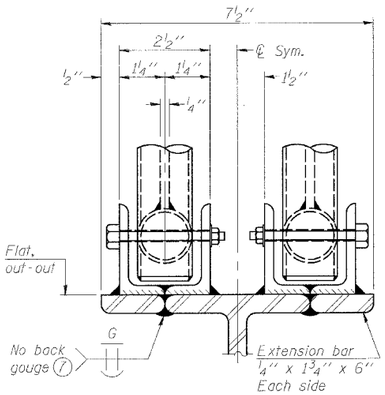


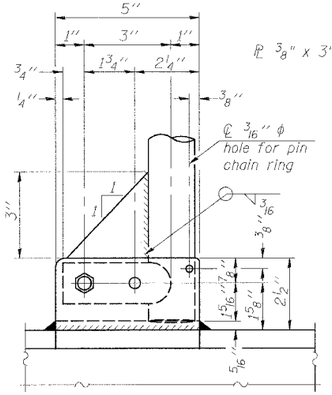
(WALKWAY GRATING CONTINUOUS)



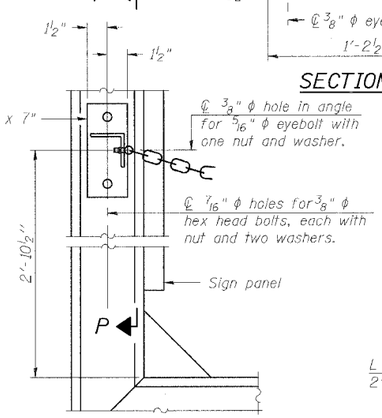
(AT WALKWAY GRATING SPLICE)

PLAN



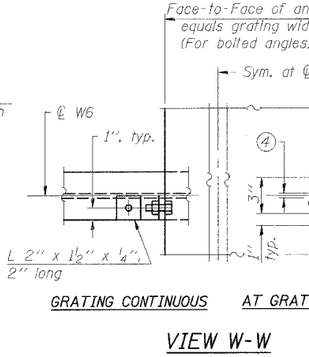


SIDE ELEVATION



SAFETY CHAIN ATTACHMENT

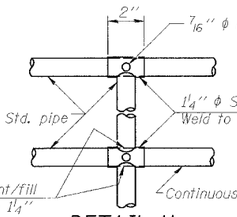
(With Sign Present)
Items not shown same as "SIDE ELEVATION" and "SAFETY CHAIN"



GRATING CONTINUOUS AT GRATING SPLICE

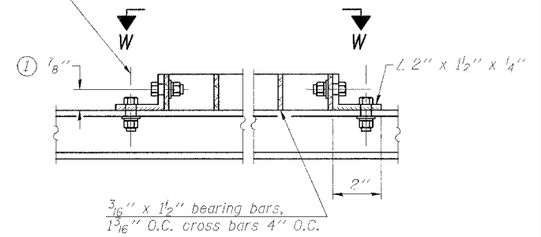
℄ ⅜" ϕ holes for 5/16" ϕ bolts with one washer and locknut per bolt, typ. Provide one per angle at continuous grating or two per angle at grating splices.

VIEW W-W

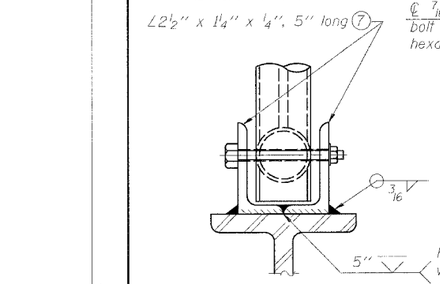


DETAIL H

Welds 3/16" continuous

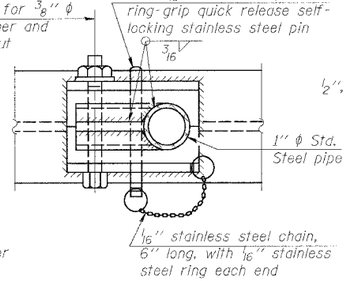


WELDED BAR GRATING DETAILS



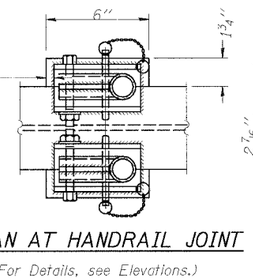
FRONT ELEVATION

(See above Elevations for dimensions.)



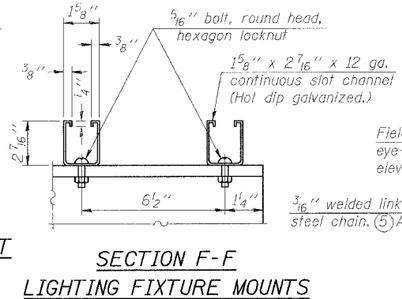
PLAN AT SINGLE HANDRAIL HINGE

DETAIL E



PLAN AT HANDRAIL JOINT

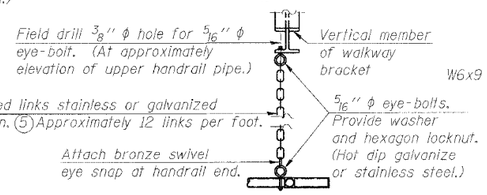
(For Details, see Elevations.)



SECTION F-F

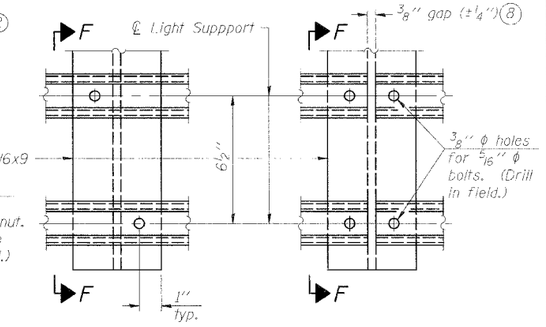
LIGHTING FIXTURE MOUNTS

(If required)



SAFETY CHAIN

One (1) required for each end of each walkway.



DETAIL F DETAIL G

NOTES

① Drilling holes in grating may be done in shop or field, based on Contractor's preference and subject to accurate alignment. Field drilled holes must be touched up with galvanized paint.

② Horizontal rail member shall be continuous thru 1¼" ϕ pipe. Provide 7/16" ϕ hole in fitting for ⅜" ϕ bolt. Field drill 7/16" ϕ hole in horizontal rail member. Provide washer and locknut for bolt. (Use 5/16" eyebolts in 7/16" ϕ holes on top rail at ends only.)

③ Install standard force-fit end caps or weld ⅛" end plates with ⅛" c.f.w. and grind smooth. (All rail ends.)

④ ⅜" (±¼") gap between grating panels at splice.

⑤ Chain to be hot dip galvanized after manufacture or stainless steel suitable for prolonged exterior exposure. Approximately 3'-6" long chain per location. Maximum sag with handrail erected = 4".

⑥ PL ⅛" x ½" x 2" welded to handrail posts to protect locations that contact grating.

⑦ Extrusions may be used in lieu of details shown, with approval by Engineer.

⑧ Field cut ends of light support channels shall be free of burrs or hazardous projections and coated with zinc-rich primer or equivalent.

NUMBER	REVISION	DATE

BM-4 1-7-05

rjngroup
Excellence through Ownership
200 West Front Street
Wheaton, Il 60187

ILLINOIS DEPARTMENT OF TRANSPORTATION
BRIDGE MOUNT SIGN STRUCTURES
WALKWAY DETAILS
FOSTER AVE. OVER I-94 (EDENS EXPRESSWAY)
FAU RTE 1360 - SECTION 0101BR-2
COOK COUNTY
STATION 100+00
STRUCTURE NO. 016-0246
DATE: 4/30/2006
DRAWN BY LCM
CHECKED BY WJV

6/29/2006 K:\1182516\Structure\Final Plans\Final Plans.dgn