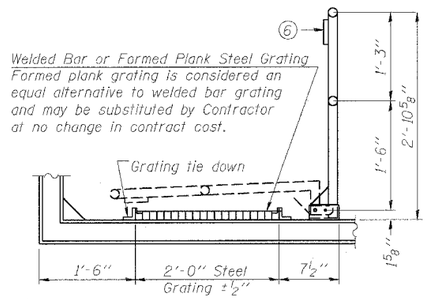
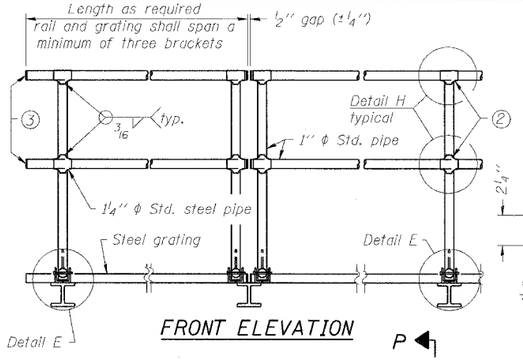
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. RTE. 90/94	*	COOK	312	164
FED.ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-		

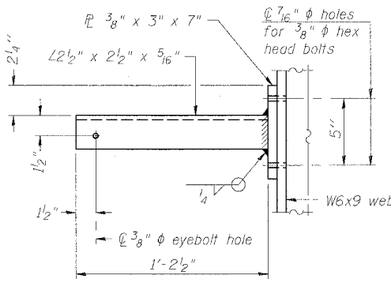
* 11919.15 & 2021-922 PT.11 R-1 GOA62



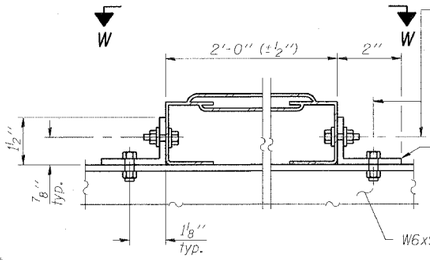
SIDE ELEVATION



FRONT ELEVATION

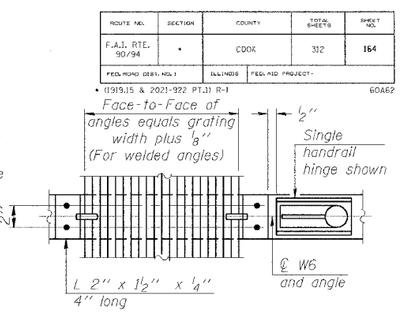


SECTION P-P

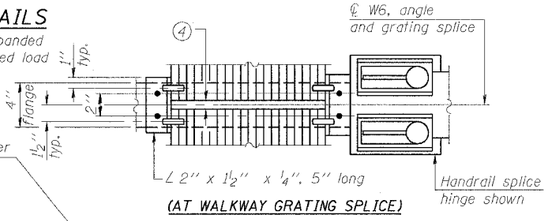


ALTERNATE FORMED PLANK GRATING DETAILS

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.

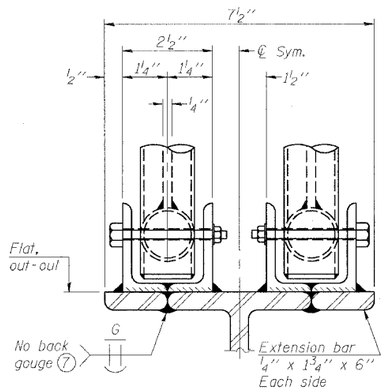


(WALKWAY GRATING CONTINUOUS)



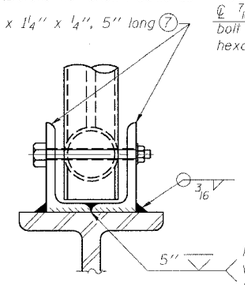
(AT WALKWAY GRATING SPLICE)

PLAN



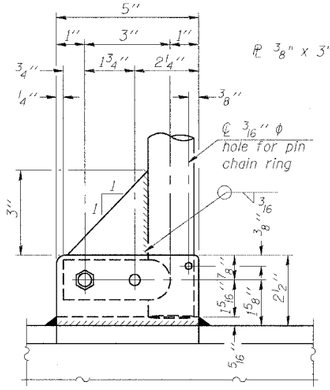
ELEVATION AT HANDRAIL JOINT

(Details not shown same as "FRONT ELEVATION")

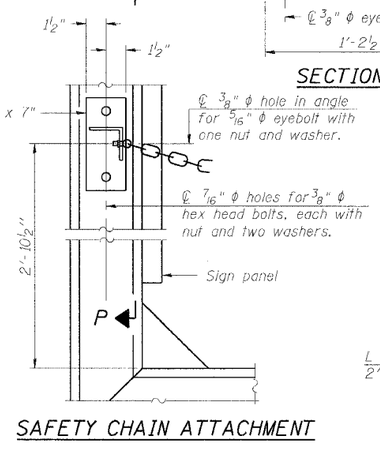


FRONT ELEVATION

(See above Elevations for dimensions.)

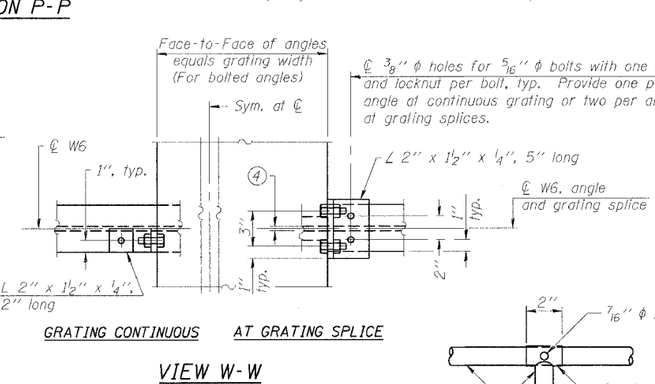


SIDE ELEVATION



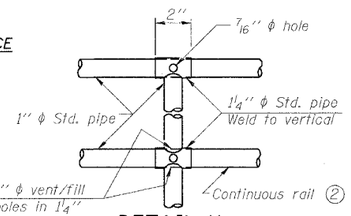
SAFETY CHAIN ATTACHMENT

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



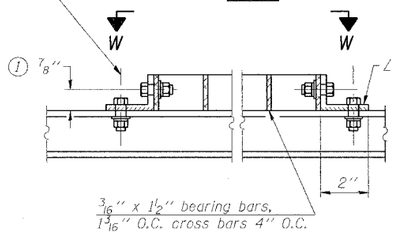
GRATING CONTINUOUS AT GRATING SPLICE

VIEW W-W

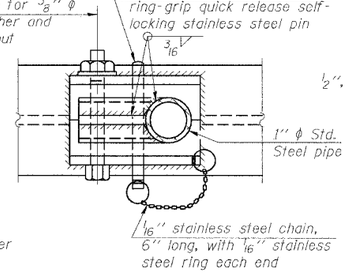


DETAIL H

Welds 3/16" continuous

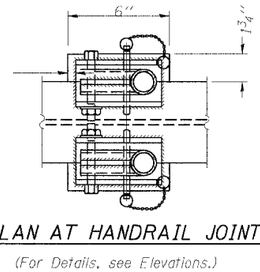


WELDED BAR GRATING DETAILS



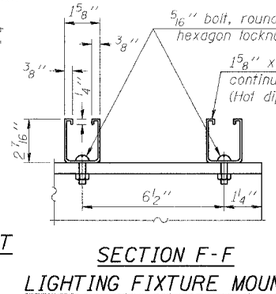
PLAN AT SINGLE HANDRAIL HINGE

DETAIL E



PLAN AT HANDRAIL JOINT

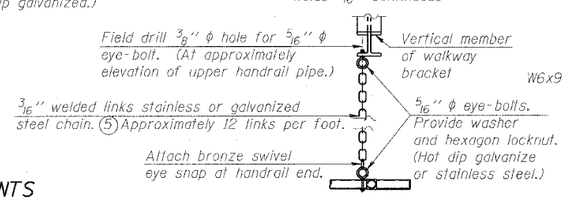
(For Details, see Elevations.)



SECTION F-F

LIGHTING FIXTURE MOUNTS

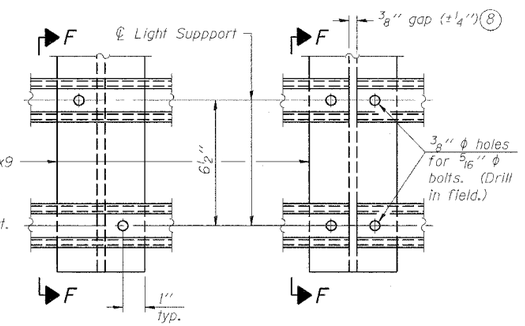
(If required)



No Sign at Bracket

SAFETY CHAIN

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



DETAIL F DETAIL G

OSS-37

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

DESIGNED	-	JSS
CHECKED	-	RDP
DRAWN	-	JSS
CHECKED	-	RDP

- 20

EXAMINED

ENGINEER OF STRUCTURAL SERVICES

PASSED

ENGINEER OF BRIDGES AND STRUCTURES

BM-4 1-7-05

BRIDGE MOUNT SIGN STRUCTURES
WALKWAY DETAILS

F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
63RD STREET TO GARFIELD BLVD (NB LOCAL LANES)
PROPOSED IMPROVEMENT
63RD STREET TO GARFIELD BLVD

6/27/2006 11:20:20 AM

P:\Projects\Civil\08 Cntrs 18 & 19\Sht\Cntr 18\Signing\SS18A037-2.dgn