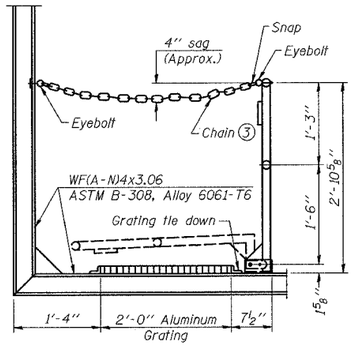
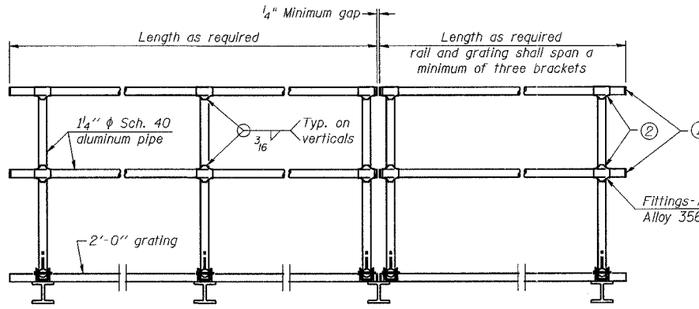
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2006-032 BY	WILL	505	226
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DETLS- 226 OF 505
CONTRACT NO. 60886



SIDE ELEVATION

(Showing Safety Chain W/O Sign)



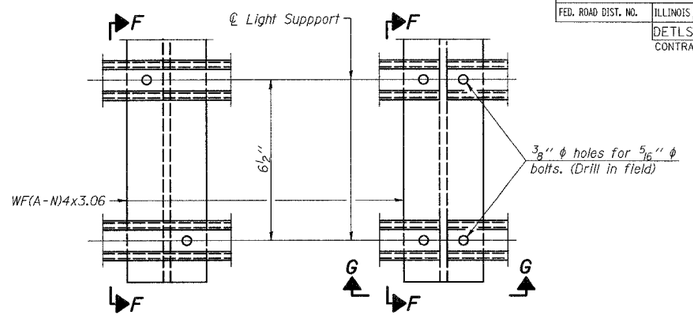
FRONT ELEVATION

HANDRAIL DETAILS

Handrail pipe shall be ASTM B241, Alloy 6063-T6 or Alloy 6061-T6.

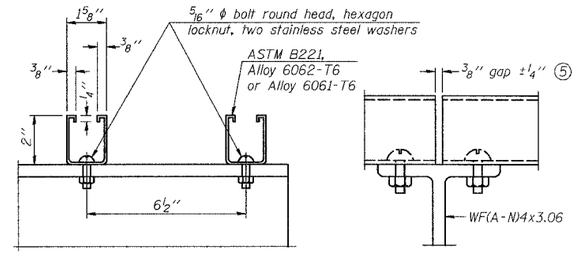
① Install standard force-fit end caps or weld ⅛" end plates with ⅛" c.f.w. and grind smooth. (All rail ends)

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



DETAIL F

DETAIL G

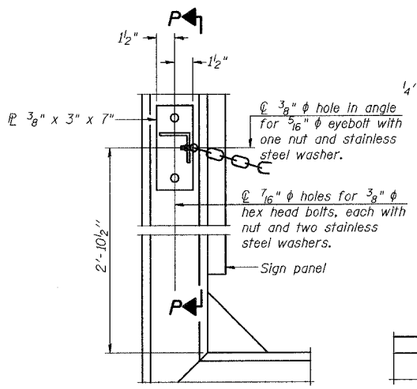


SECTION F-F

SECTION G-G

LIGHTING FIXTURE MOUNTS (IF REQUIRED)

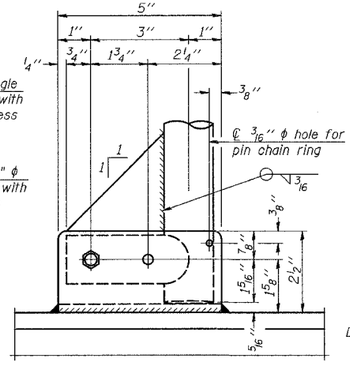
(5) Field cut ends of light support channels shall be free of burrs or hazardous projections and coated with zinc-rich primer or equivalent.



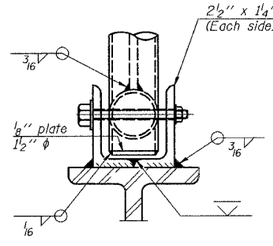
ALTERNATE SAFETY CHAIN ATTACHMENT

(With Sign Present)

Items not shown same as "Side Elevation" of "Handrail Details"

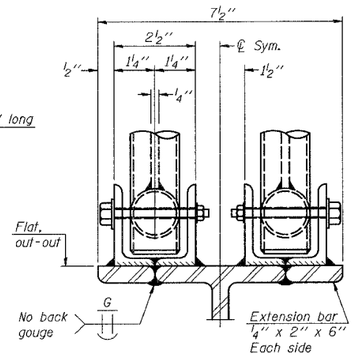


SIDE ELEVATION



FRONT ELEVATION

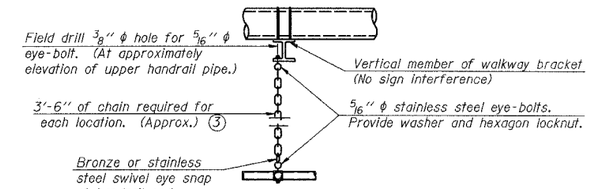
Details not shown same as "ELEVATION" at right.



ELEVATION AT HANDRAIL JOINT

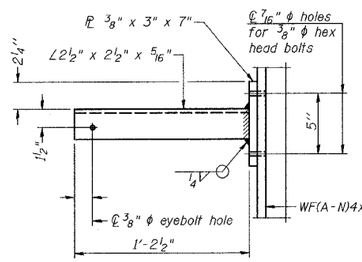
Details not shown same as "FRONT ELEVATION"

(4)

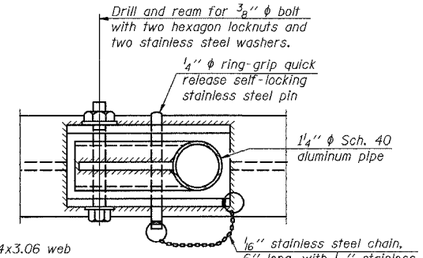


SAFETY CHAIN

One required for each end of each walkway.

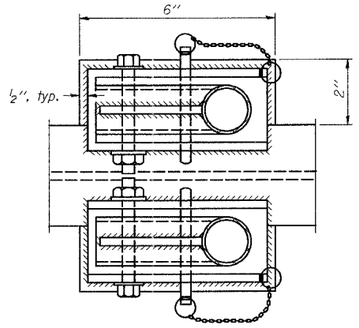


SECTION P-P



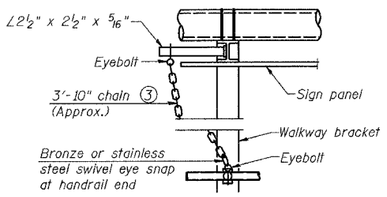
PLAN

DETAIL E HANDRAIL HINGE



PLAN AT HANDRAIL JOINT

Details not shown same as "PLAN"



ALTERNATE SAFETY CHAIN ATTACHMENT

Details not shown similar to "Safety Chain" Details (Walkway omitted for clarity)

(3) 3/16" galvanized steel chain, approximately 12 links per foot. Chain to be hot dip galvanized after manufacture and suitable for prolonged exterior exposure. Alternate materials may be substituted with the Engineer's approval.

(4) Extrusions may be used in lieu of the details shown, with approval of the Engineer.

NUMBER	REVISION	DATE

DAVID MASON & ASSOCIATES
Civil Engineering
Structural Engineering
Surveying
445 E. Illinois, Suite 640
Chicago, IL 60611
(312) 942-5600

PB PARSONS BRINCKERHOFF

REVISIONS NAME	DATE

OSC-A-8 1-7-05

ILLINOIS DEPARTMENT OF TRANSPORTATION
FAI ROUTE 55
US 30 (PLAINFIELD ROAD) TO LILY CACHE SLOUGH

CANTILEVER SIGN STRUCTURES
HANDRAIL DETAILS
ALUMINUM TRUSS & STEEL POST

SCALE:
DRAWN BY: LC, JS, TC
DATE: 06-30-06
CHECKED BY: SE

6/30/2006 9:14:54 AM

FINAL