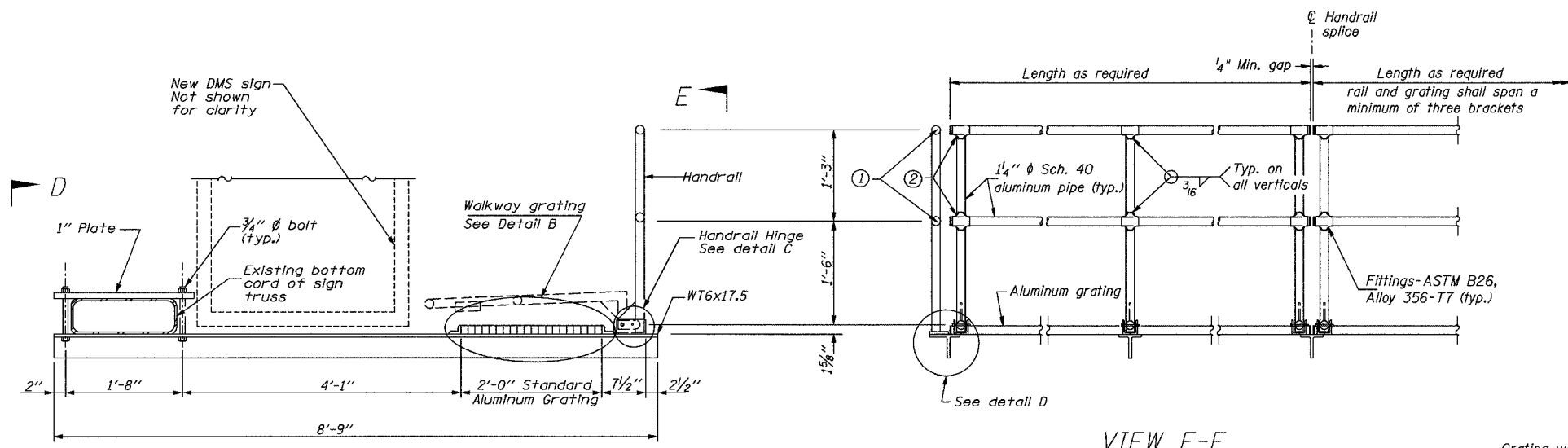
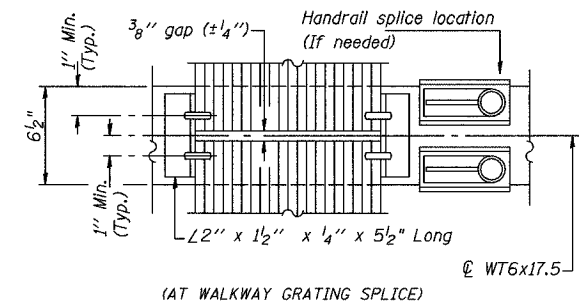
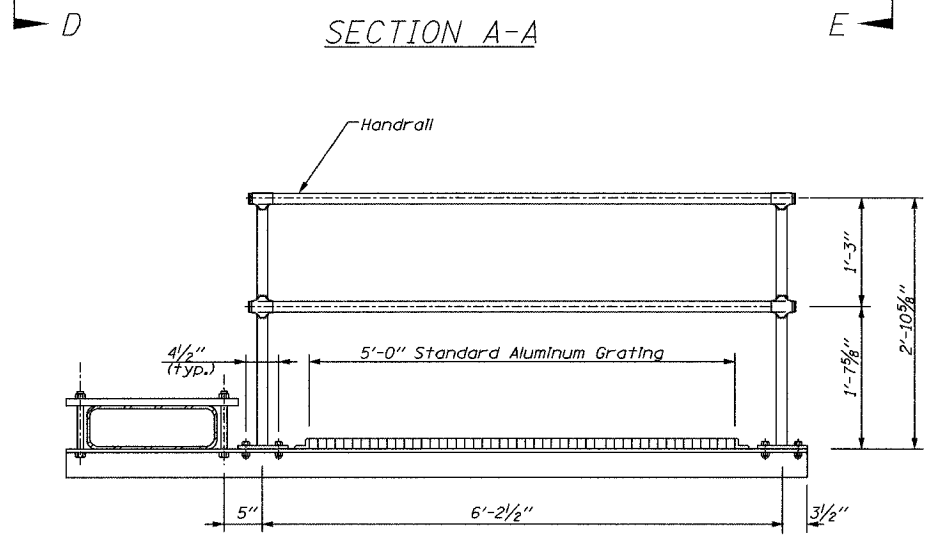
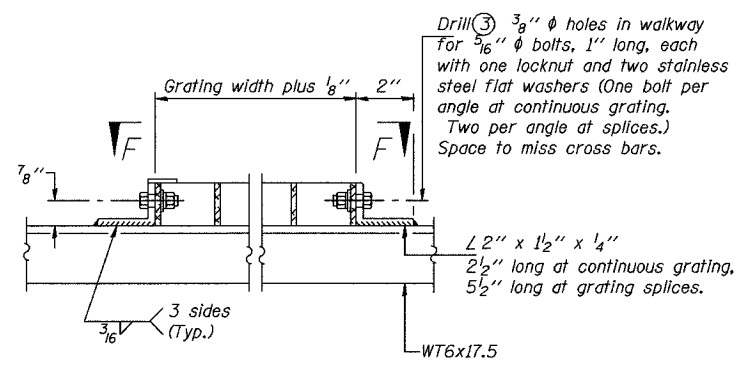


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	2003-0311	COOK	976	904
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62583				

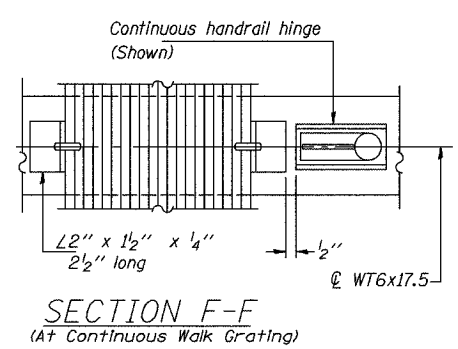
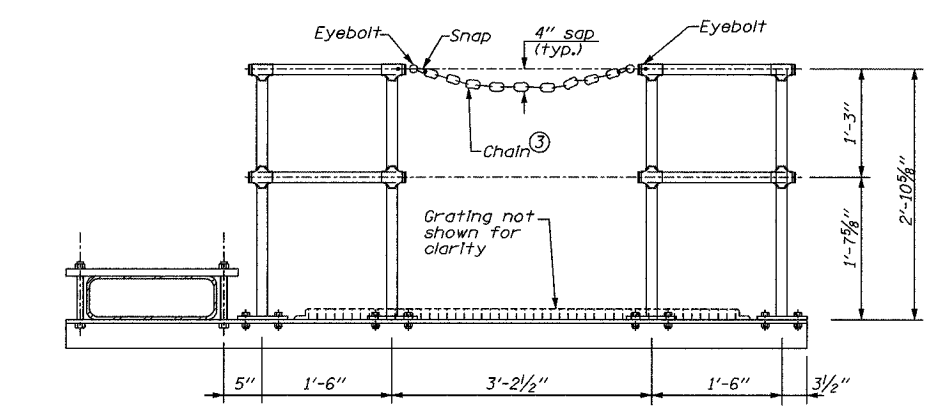


- ① Install standard force-fit end caps or weld $\frac{1}{8}$ " end plates with $\frac{1}{8}$ " c.f.w. and grind smooth. (All rail ends)
- ② Horizontal handrail member shall be continuous thru fitting. Provide $\frac{7}{16}$ " ϕ hole in fitting for $\frac{3}{8}$ " ϕ bolt. Field drill $\frac{1}{16}$ " ϕ hole in horizontal rail member. Provide locknut and two stainless steel washers for bolt. (Use $\frac{5}{16}$ " eyebolts in $\frac{7}{16}$ " ϕ holes on top rail at ends only.)



SPECIFICATIONS FOR STANDARD ALUMINUM GRATING

1. Main Bearing Bars shall be $\frac{3}{16}$ " x $\frac{1}{2}$ " on $1\frac{3}{16}$ " centers and conform to ASTM B221 Alloy 6061-T6.
Cross bars shall be $\frac{3}{16}$ " x $\frac{1}{2}$ " on 4" centers and conform to ASTM B221 Alloy 6063-T5 or 6061-T6.
- OR
2. Aluminum Grating with modified "T" sections for main bearing bars shall meet the following requirements:
Main bars shall conform to ASTM B221 Alloy 6061-T6 and have a minimum section modulus equal to 0.0705 In.³ per bar, a depth of $\frac{1}{2}$ ", spaced on $1\frac{3}{16}$ " centers.
Cross bars shall conform to ASTM B221 Alloy 6063-T5 or T-42 and spaced on 4" centers.
3. Drilling holes in grating may be done in shop or field, based on Contractor's preference and subject to accurate alignment.



③ $\frac{3}{16}$ " 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.

DT-09

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. 94/90 (DAN RYAN EXPRESSWAY) 31st STREET to I-57
NAME	DATE	
		OVERHEAD DYNAMIC MESSAGE SIGN (DMS-08) WALKWAY DETAILS

SCALE: NONE DRAWN BY: RLK
DATE: October 29, 2004 CHECKED BY: JAP

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