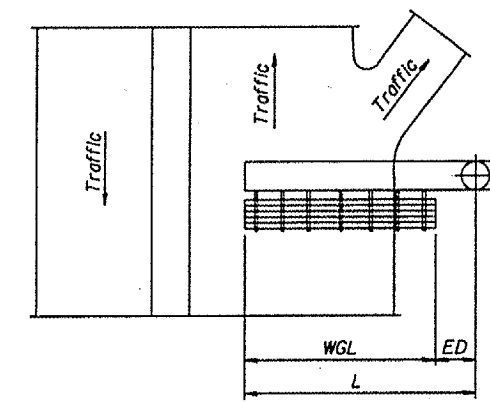
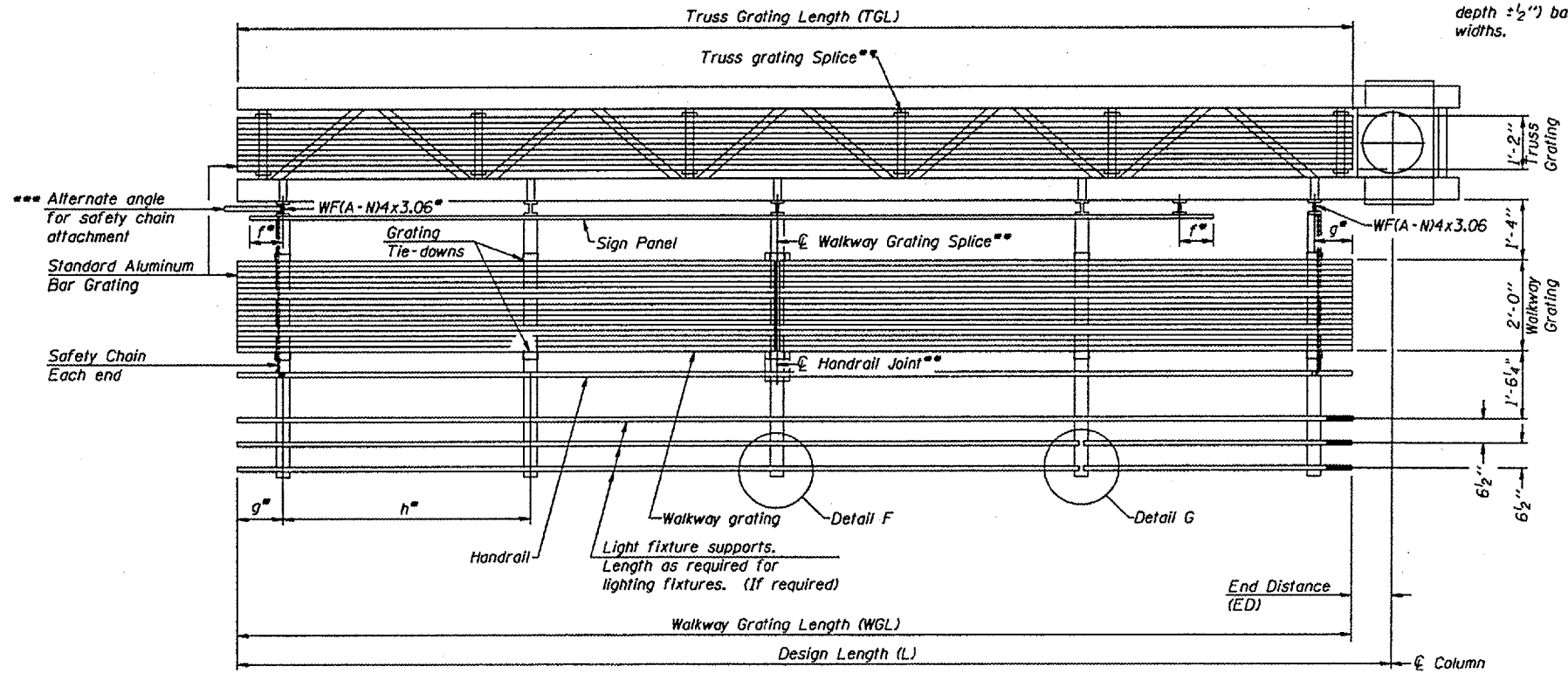


TYPICAL FRONT ELEVATION  
With lights and handrail omitted for clarity.



PLAN  
WALKWAY AND HANDRAIL SKETCH  
(Road plan beneath truss varies)

Walkway and truss grating dimensions are nominal and may vary (width ± 1/2", depth ± 1/2") based on available standard widths.



SECTION A-A

Truss grating to facilitate inspection shall run full length of cantilevers. Cost of truss grating is included in Overhead Sign Structure Cantilever.

Handrail and walkway grating shall span a minimum of three brackets between splices. Use and location of handrail joints or grating splices are optional, based on lengths needed and material availability.

$$TGL = L - \left( \frac{\text{Post O.D.}}{2} + 6'' \right)$$

Structure Number	Station	WGL	ED	TGL
IC0161290R018.8	N/A	19' - 0" *	N/A	N/A
IC0161290R021.0	N/A	21' - 6" *	N/A	N/A
IC0161290R023.4	N/A	24' - 0" *	N/A	N/A
IC0161290R027.3	N/A	24' - 0" *	N/A	N/A
IC0161290R028.4	N/A	35' - 6" *	N/A	N/A
IC0161290L019.4	N/A	19' - 0" *	N/A	N/A
IC0161290L019.8	N/A	17' - 6" *	N/A	N/A
IC0161290L023.0	N/A	24' - 0" *	N/A	N/A
IC0161290L027.6	N/A	23' - 0" *	N/A	N/A
IC0161290L028.7	N/A	23' - 0" *	N/A	N/A

\* Lengths shown are for the replacement of handrails only. Stainless steel pins, bolts, washers and nuts shall be used. trussdetailforms.doc

- Notes:
- Space walkway brackets WFA-N4x3.06 and sign brackets WFA-N4x1.79 for efficiency and within limits shown:
    - f = 12" maximum, 4" minimum (End of sign to center of nearest bracket)
    - g = 12" maximum, 4" minimum (End of walkway to center of nearest bracket)
    - h = 6'-0" maximum (center to center sign and/or walkway support brackets, WFA-N4x1.79 or WFA-N4x3.06)
  - If walkway bracket at safety chain location is behind sign, add angle to bracket. See alternate safety chain attachment on base sheet OSC-A-8.
  - For details of sign placement, sign/walkway brackets, truss and walkway gratings, grating splices and Section B-B, see Base Sheet OSC-A-7.
  - For details of handrail, handrail joint, safety chain and Details F and G, see Base Sheet OSC-A-8.

BRACKET TABLE

WFA-N4x1.79 or WFA-N4x3.06 ASTM B308, Alloy 6061-T6		Number Brackets Required
Sign Width Greater Than	Sign Width Less Than or Equal To	
8'-0"	8'-0"	2
14'-0"	14'-0"	3
20'-0"	20'-0"	4
26'-0"	26'-0"	5
32'-0"	32'-0"	6

CANTILEVER SIGN STRUCTURES  
ALUMINUM WALKWAY DETAILS  
ALUMINUM TRUSS & STEEL POST

District 1  
Handrail Replacement for  
Vierendeel Sign  
Structure-Cantilever

DESIGNED -	20
CHECKED -	EXAMINED
DRAWN -	PASSED
CHECKED -	ENGINEER OF BRIDGES AND STRUCTURES

OSC-A-6 7/01/2006

NUMBER	REVISION	DATE