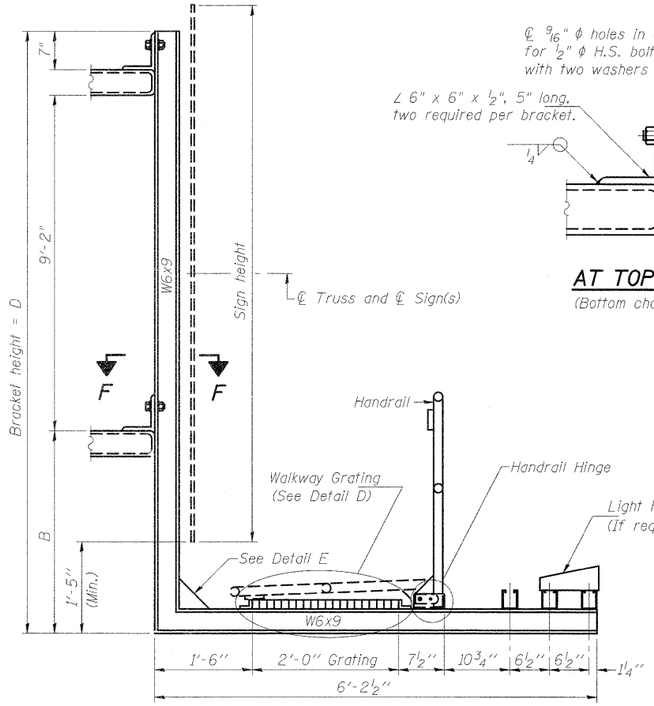
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 310	60-15SG	MADISON	54	34
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

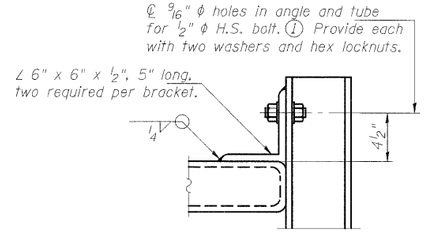
SHEET NO. 4
6 SHEETS

Contract #76E76



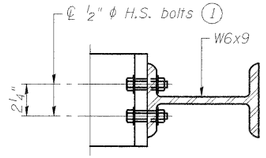
SECTION A-A (2)

Sign panel shall be placed symmetrical about ℄ of frame.

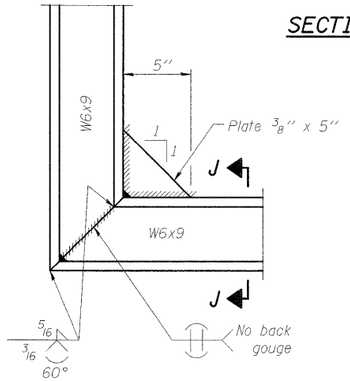


AT TOP CHORD

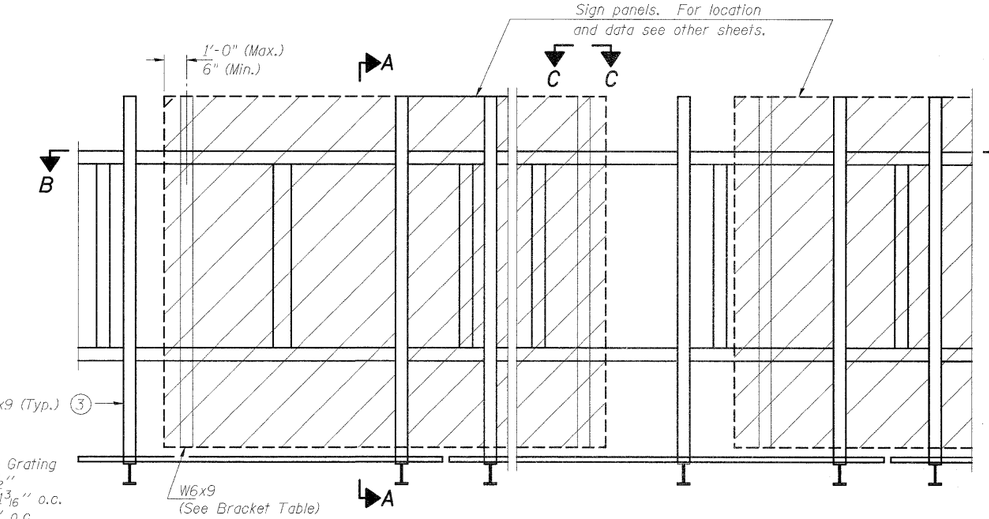
(Bottom chord similar)



SECTION F-F



DETAIL E



TYPICAL FRONT ELEVATION

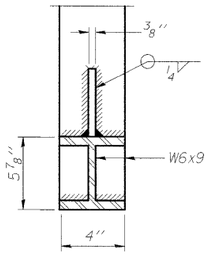
(With lights, safety chain and handrail omitted for clarity.)

Walkway and Truss Grating width dimensions are nominal and may vary ±½" based on available standard widths.

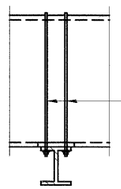
Standard Steel Grating
Bars ⅜" x 1½"
Bearing Bars 1 3/16" o.c.
Cross Bars 4" o.c.
Steel shall conform to:
ASTM A-569 with a minimum yield of 30,000 p.s.i.; or AASHTO M 270 Gr. 36, M 270 Gr. 50W, or M 270 Gr. 50.

SECTION B-B

f = 1'-0" maximum, 4" minimum (End of sign to ℄ of nearest bracket)
g = 12" maximum, 4" minimum (End of walkway grating to ℄ of nearest support bracket)
h = 6'-0" maximum (℄ to ℄ sign and/or walkway support brackets)
k = 2" maximum gap between adjacent walkway grating sections and handrail ends



SECTION J-J



½" ϕ U-bolt. (4) Provide two washers and two hexagon locknuts per bolt.

SECTION C-C

(1) M164, ASTM A325, or SAE Grade 5 bolts are acceptable alternates.

(2) Steel shapes for walkway bracket and sign panel supports, including W6x9, ∠1½" x 2" x ¼" and ∠6" x 6" x ½" shall be AASHTO M270 Gr. 36 or Gr. 50, or an equivalent acceptable to the Engineer.

(3) End walkway brackets shall be spaced no more than 2'-0" from a truss vertical.

(4) U-bolts, nuts and washers shall conform to ASTM A307, hot-dip galvanized per AASHTO M232.

Handrail and walkway shall span a minimum of three brackets between splices and/or gap joints.
Place all sign and walkway brackets as close to panel points as practical.
Grating, handrail and light support splices placed as needed.
Walkway grating should extend a minimum of 4'-0" past the edge of pavement into the shoulder unless the shoulder width is less than 10'-0". If shoulder width is less than 10'-0" or if the structure is on a low speed ramp, the walkway grating may begin at edge of pavement.

Sign Structure Number	Station	B	D
8S060S255R017.2	36+000	4'-4"	14'-7"
8S060S255R018.6	38+225	4'-4"	14'-7"
8S060S255R019.3	39+450	4'-4"	14'-7"
8S060S255L020.0	40+450	4'-4"	14'-7"

BRACKET TABLE

W6x9
ASTM B308, Alloy 6061-T6

Sign Width		Number Brackets Required
Greater Than	Less Than or Equal To	
	10'-0"	2
10'-0"	16'-0"	3
16'-0"	22'-0"	4
22'-0"	28'-0"	5
28'-0"	34'-0"	6

DESIGNED	-
CHECKED	-
DRAWN	-
CHECKED	-

- 200

EXAMINED

ENGINEER OF BRIDGE DESIGN

PASSED

ENGINEER OF BRIDGES AND STRUCTURES

OS-S-4 SPECIAL 7/01/2006

OVERHEAD SIGN STRUCTURES
STEEL WALKWAY DETAILS

FAP ROUTE 310 (IL 255)
SECTION 60-15SG
MADISON COUNTY