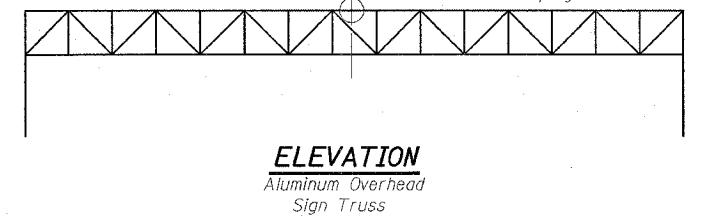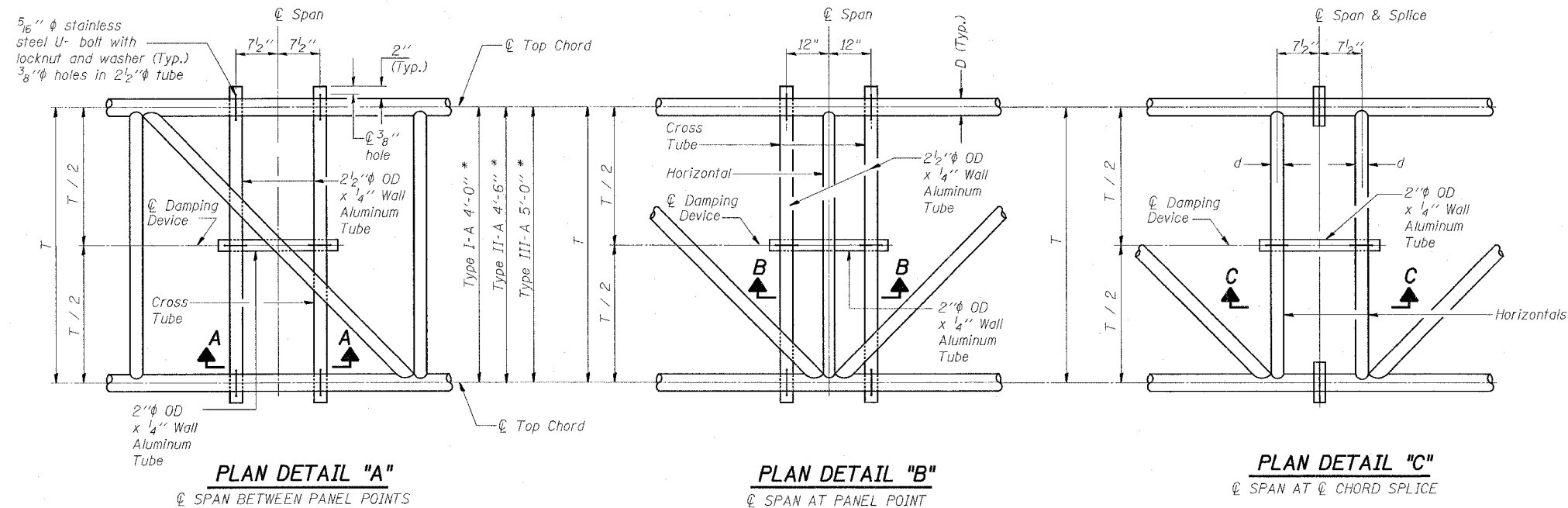# STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

* Center of horizontal to center of splice dimension may vary. Verify before drilling holes in mounting tube.
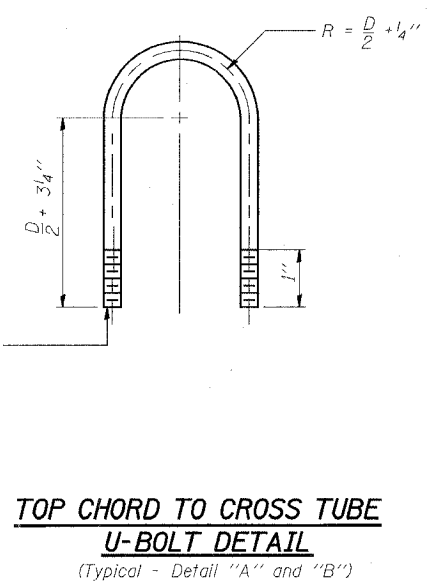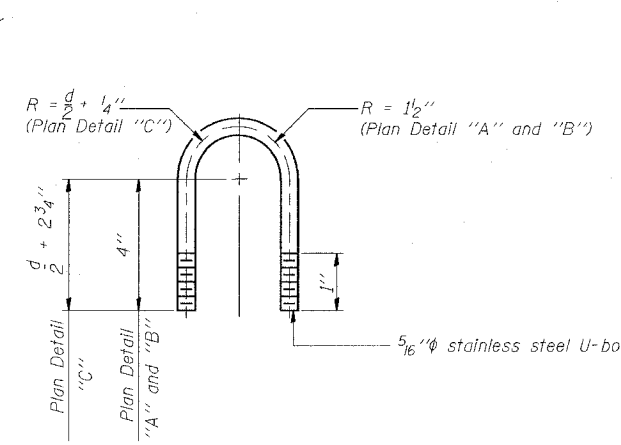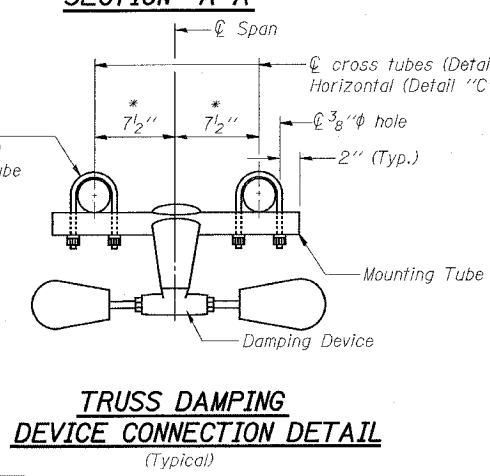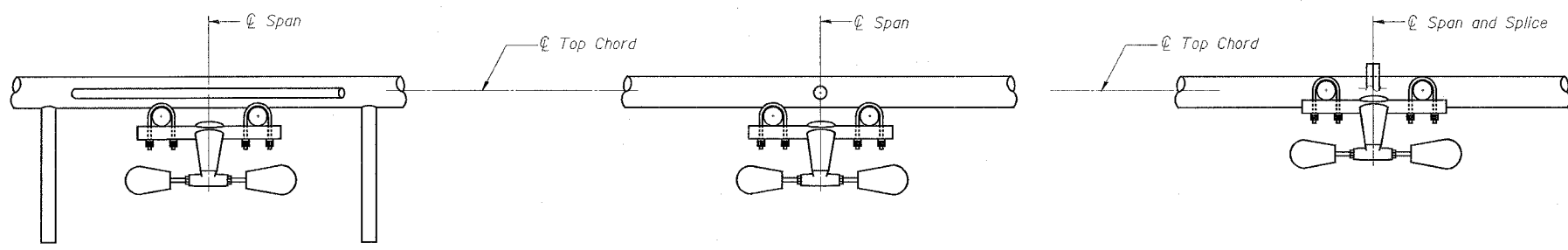
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	•••	52	14

| STA. | | TO STA. | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

• FAI 55/70   CONTRACT* 76973
•• DIST 8 ITS 2006-2
••• MADISON & ST. CLAIR & CITY OF ST. LOUIS, MO

PLAN DETAIL "A"
℄ SPAN BETWEEN PANEL POINTS

PLAN DETAIL "B"
℄ SPAN AT PANEL POINT

PLAN DETAIL "C"
℄ SPAN AT ℄ CHORD SPLICE

ELEVATION
Aluminum Overhead Sign Truss

NOTES

Damper: One damper per truss. (31 lbs. Stockbridge-Type. Alum.)

Materials: Aluminum tubes shall be ASTM B221 alloy 6061 temper T6. Cost included in "Overhead Sign Structure..."

SECTION A-A

SECTION B-B

SECTION C-C

TRUSS DAMPING DEVICE CONNECTION DETAIL
(Typical)

DAMPING DEVICE MOUNTING TUBE U-BOLT DETAIL
(Typical)

TOP CHORD TO CROSS TUBE U-BOLT DETAIL
(Typical - Detail "A" and "B")

$R = \frac{d}{2} + \frac{1}{4}$ (Plan Detail "C")

$R = 1\frac{1}{2}$ (Plan Detail "A" and "B")

$R = \frac{D}{2} + \frac{1}{4}$

$\frac{5}{16}$" φ stainless steel U-bolt

DESIGNED	
CHECKED	
DRAWN	J.K.M.
CHECKED	

EXAMINED	
	ENGINEER OF STRUCTURAL SERVICES
PASSED	
	ENGINEER OF BRIDGES AND STRUCTURES

19

OS-A-D   7/1/2001

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURE
DAMPING DEVICE

FAI 55/70
SECTION DIST 8 ITS 2006-2
MADISON AND ST. CLAIR COUNTY
AND ST. LOUIS, MO

DATE 5/23/2006