STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

<u>UPPER</u>

1 2" ♦ pipe coupling

and plug, and $l_2^{\prime\prime}$ ϕ hole in cover

(I)>__

(See Detail D)

Detail C (See Base Sheet OS-A-6A.)

3₁₆" carbon steel. Hot dip

galvanized after fabrication.

HANDHOLE COVERS

LOWER

Drill & tap

for 4" - 20 screws. Chase thread

after galvanizing.

10 Ga. stainless steel or hot

dip galvanized carbon steel.

© of frame

Conduit, Thread

END ELEVATION

and cap both ends.

SECTION COUNTY COOK 916 555 STA. 190+65 (NB 1-57) 1990+48 (NB FORD) TO STA. 2316+00 (NB RYAN

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT • (1516.1, 1717, & 1818) R-4

Only in Contract 62694

62304

Support Design Loads: See Base Sheet OS-A-1 for design and loading criteria. Load combinations checked include deadload plus:

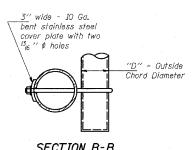
a) 100% wind normal to sign, 20% parallel to sign b) 60% wind normal to sign, 30% parallel to sign

- 1 In lieu of fabricated handhole frame as shown, may cut from 2" plate (rolling direction vertical). All cut faces to be ground to ANSI Roughness of 500 \in or less.
- 2 Galvanizing vent holes of adequate size shall be provided on underside at each end of bracing pipes. Alternately, holes may be provided in wall of pipe column. All vent holes shall be drilled and de-burred. (Typ.)
- (3) Steel pipe, plate, carbon steel handhole covers and rolled sections shall be hot dip galvanized after fabrication.
 Painting is not permitted. See Base Sheet OS-A-1.
- 4 See General Notes for fasteners.
- (5) Dimensions shown are based on selection criteria in the Sign Structures Manual. Nonstandard applications must have dimensions verified or amended as appropriate.

within 1" of plumb Structure Truss Type Station Thickness Left | Right S0161057R357 1S016I057R357. 215+44 IS0161057R357 IS0161057R357. 2204+66 IS016I094R062 23.5' 16.11 1S016I094R062. 22.5' 15.11 IS016I094R061. 2264+34 0.365" 26.5′ 19.11′ IS016I094R061. 2264+34 0.365" 1S016I094R061.2 2290+90 0.365" 0.365" 0.365" IS016T094R061.2 2290+90 II-A 21' 13.6 1S016I094R060.2 2344+44 24.5' 17.11' 21.5' 14.11' II-A 1S016I094R060.2 2344+44 II-A 0.365" Galvanized Stee

3₄ " \$\phi\$ stainless steel U-bolt. Provide two washers and two hexagon locknuts. At ⊈ pipe¬ ¹³₁₆ " x 2" slots on € 10" ¢ pipe. (4 slots required per pipe) DETAIL A Galv. Bolts (ASTM A307) with $4-\frac{5}{8}$ " ϕ holes at 90° intervals. Install after galvanizing frame.

SECTION A-A As an alternate to bolts, may use galvanized drive-fit caps installed after galvanizing frame.



4-b" hex nuts

at 90° intervals

welded to pipe.

Chase threads after galvanizing frame.

SECTION B-B

FOR FOUNDATION DETAILS SEE BASE SHEET OS-F3 (Spread Footing) or OS4-F3 (Drilled Shaft).

SIDE ELEVATION

10" | PIPE TRUSS SUPPORT FRAME

Provide 65" x 45" cover.

(See cover details)

€ Lower Handhole

Conduit @ leg

with handhole

Provide 4-516" \$ holes in cover for

stainless steel machine screws.

DETAIL D

4"-20 round head hot dip galvanized or

NUMBER	REVISION	DATE	

-W8x28(3)

10'' \$ pipe(3)

Detail B (See Base

Sheet OS-A-6A.)

see table.)

Truss	Dimensions					sions			
Туре	R	S	Τ	U	V	W	Х	Υ	Z
I-A	4'-6"	5'-5'2"	4'-0"	5′-6″	6'-434"	4''	9"	8'-3"	10′-9′′
II-A ⑤	5′-3″	6'-34"	4'-6"	6'-1''	6'-11 ³ 4''	434"	9 ^l 2"	8'~3''	10′-9′′

Backfill shall be placed

prior to erection of

support frame

DESIGNED EXAMINED CHECKED PASSED

11/1/2002

0S-A-6

CHECKED

INCLUDED FOR INFORMATION ONLY. SHEET ORIGINALLY IN CONTRACT 62694.

	REVISIO	ONS	
	NAME	DATE	

1			
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- ⊢			
-	VISION	02/18/06	

ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. 94 (DAN RYAN EXPRESSWAY)

OVERHEAD SIGN STRUCTURES SUPPORT FRAME FOR ALUMINUM TRUSS

CALE: AS NOTED

DRAWN BY: AMB

TYLININTERNATIONAL

[] CONST. CHANGE NO. 108/03/05 DATE: MARCH 18, 2005

CHECKED BY: TB