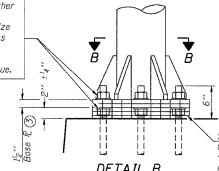
SECTION COUNTY 55 2005-085 SG WILL 28 14 STA. TO STA.

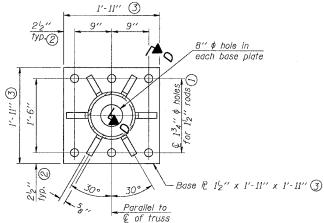
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

Hexagon locknut and washer (top), leveling nut and washer (bottom). Galvanize per AASHTO M232. Nuts shall each be tightened against base plate with 200 lb.-ft. minimum torque.

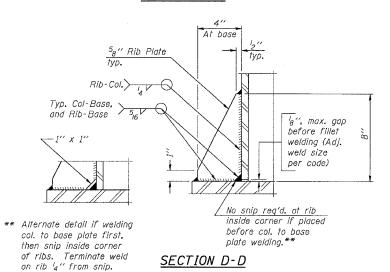


DETAIL B Ribs shall be cut to fit slope of pipe.

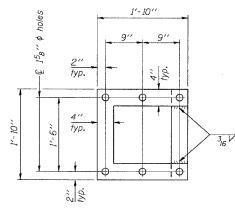
Stainless Steel Standard Grade Wire Cloth, 3" wide, 4" maximum opening with a minimum wire diameter of AWG. No. 16 with a minimum 2" lap. Secure to base plate after erection with 34" stainless steel banding.



SECTION B-B



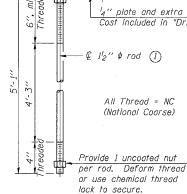
NUMBER	REVISION	DA



Optionally may use four (4) separate bars. Weld to maintain perpendicularity.

POSITIONING PLATE(S)

At each location, provide \(^{1}_{4}\)'' thick positioning plate(s) and six (6) additional nuts to be used with leveling nuts to maintain anchor bolts position during concrete placement. ' plate and extra nuts become Contractor's property. Cost included in "Drilled Shaft Concrete Foundation".



ANCHOR ROD DETAIL

Anchor rods shall conform to AASHTO M314 Grade 36 or 55 and meet Charpy V-Notch (CVN) energy of 15 lb.-ft. at 40° F. Galvanize upper 12" per AASHTO M232. No welding shall be permitted on rods.

TYPE III-A TRUSS 12" \$ PIPE SUPPORT FRAME DETAILS

For Type III-A Truss spans greater than

150 ft, and up to 160 ft.:

- (1) 134" \$\phi\$ rod, 2" \$\phi\$ holes
- \bigcirc 2 3 4" edge distance
- ③ Base ₧ 1⁵8" x 1'-11¹2" x 1'-11¹2"

1½" ¢ pipe coupling for conduit attachment (plug for shipping) ³₄'' ∮ U-bolts. Provide washers and hexagon locknuts. (2 required) Saddle shim W8x28 Field drill ¹⁵l6 '' Ø holes W8x28 typ. Touch up holes with SECTION C-C aalvanizina paint. (Handhole cover not shown) Drain hole (See Base Sheet OS-A-2.) l₈" fabric or DETAIL C

$ \begin{array}{c c} 3^{l}2^{\prime\prime} \\ \hline 3^{l}2^{\prime\prime} \end{array} $ $ *R = \frac{D}{2} + \frac{1}{3}2$	© 1" \$ holes for U-bolts	D + 1"	
D = Outside Diame			

For W, see Base Sheet OS-A-6.			
Truss Chord Nominal Dia.	а	SADDLE SHIM L	
Nomina Dia.		ASTM B26 Alloy	
7''	1''	or	
01-11	1/11	ASTM B209 Alloy (
-02	14	(4 required per sign	
-9"	13811	, , ,	

SADDLE SHIM DETAIL ASTM B26 Alloy 356-F

ASTM B209 Alloy 6061-T651 (4 required per sign truss)

SHT. S-7 OF 15

ILLINOIS DEPARTMENT OF TRANSPORTATION FAI ROUTE 55 (I-80 TO U.S. 30) DYNAMIC MESSAGING SIGNS

OVERHEAD SIGN STRUCTURES SUPPORT FRAME DETAILS FOR TYPE III-A ALUMINUM TRUSS

SCALE: DATE 03/27/06 DRAWN BY MRK CHECKED BY MJK

TENG & ASSOCIATES, INC. ENGINEERS/ARCHITECTS/PLANNERS CHICAGO, ILLINOIS **TENG**

OS4-A-8aA. SPECIAL