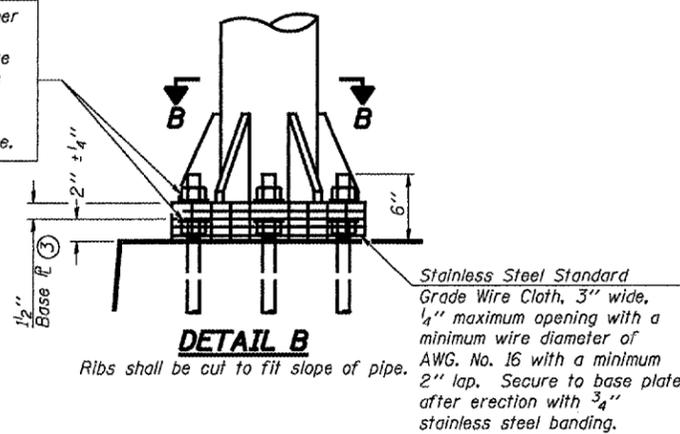


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEETS	*SHEET	SHEET NO.
F.A.I. 55	D-6 ITS #1	SANGAMON		46	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

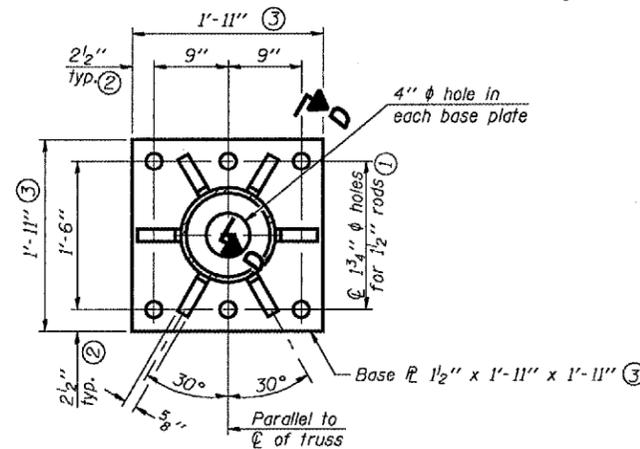
Contract #

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.

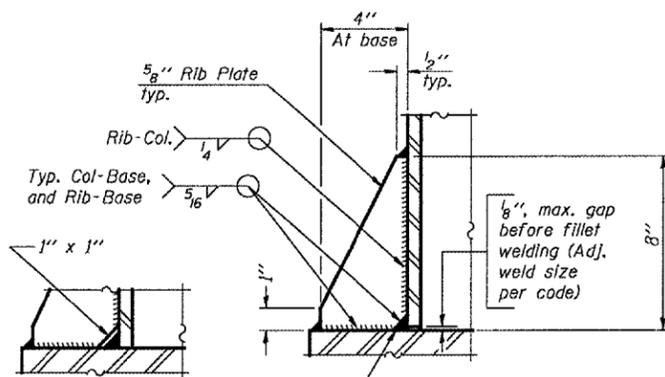


**DETAIL B**

Ribs shall be cut to fit slope of pipe.



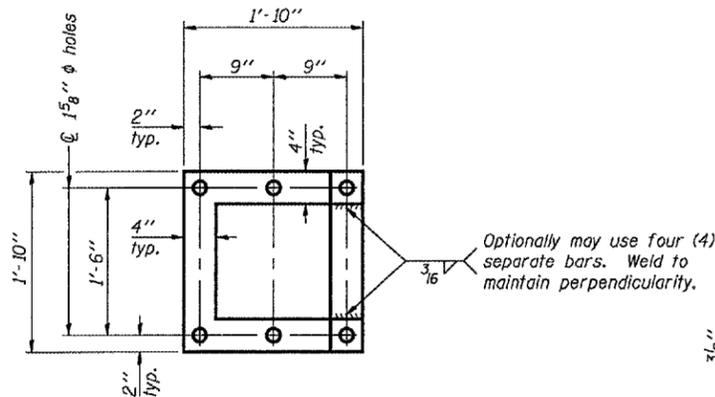
**SECTION B-B**



**SECTION D-D**

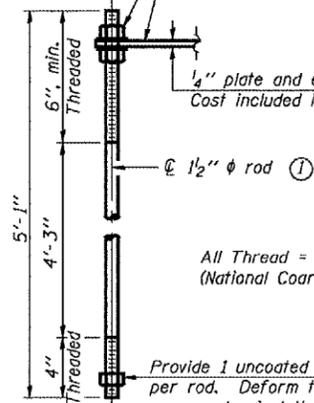
\*\* Alternate detail if welding col. to base plate first, then snip inside corner of ribs. Terminate weld on rib 1/4 inch from snip.

No snip req'd. at rib inside corner if placed before col. to base plate welding.\*\*



**POSITIONING PLATE(S)**

At each location, provide 1/4 inch thick positioning plate(s) and six (6) additional nuts to be used with leveling nuts to maintain anchor bolts position during concrete placement.



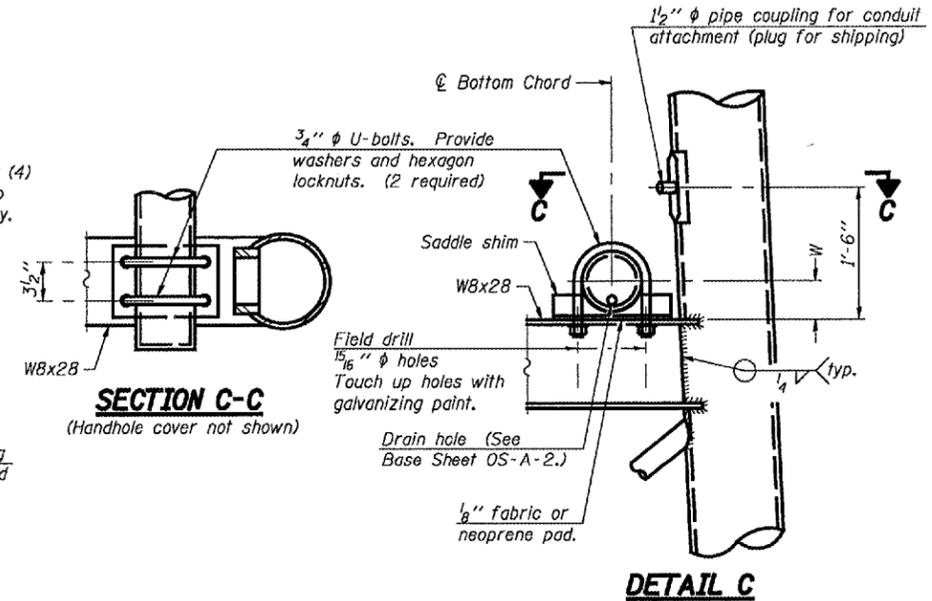
**ANCHOR ROD DETAIL**

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 inch per AASHTO M232. No welding shall be permitted on rods.

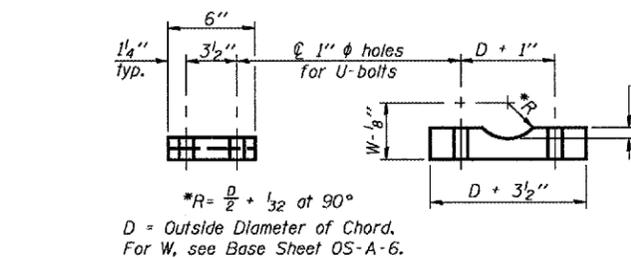
**TYPE III-A TRUSS  
12" PIPE SUPPORT FRAME DETAILS**

Notes:  
For Type III-A Truss spans greater than 150 ft. and up to 160 ft.:

- ① 1 3/4" φ rod, 2" φ holes
- ② 2 3/4" edge distance
- ③ Base Pl 1 5/8" x 1'-11 1/2" x 1'-11 1/2"



**DETAIL C**



**SADDLE SHIM DETAIL**

ASTM B26 Alloy 356-F  
or  
ASTM B209 Alloy 6061-T651  
(4 required per sign truss)

Truss Chord Nominal Dia.	a
7"	1"
8 1/2"	1 1/4"
9"	1 3/8"

DESIGNED -	200
CHECKED -	EXAMINED
DRAWN -	ENGINEER OF BRIDGE DESIGN
CHECKED -	PASSED
	ENGINEER OF BRIDGES AND STRUCTURES

NUMBER	REVISION	DATE

**OVERHEAD SIGN STRUCTURES  
SUPPORT FRAME for TYPE III-A ALUMINUM TRUSS**

F.A.I. 55 (I-55)  
SECTION D-6 ITS #1  
SANGAMON COUNTY