CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-6	ROCKISLAND	476	239E
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.

B | B

2" ±¼"

6"

½" Base ℄

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

Stainless Steel Standard Grade Wire Cloth. 3" wide, ¼" maximum opening with a minimum wire diameter of AWG. No. 16 with a minimum 2" lap. Secure to base plate after erection with ¾" stainless steel banding.

2½" (Typ.)

1'-8"
7½" 7½"

4" ⌀ hole in each base plate

1'-8"
1'-3"

℄ 1½" ⌀ holes for 1¼" rods

2½" (Typ.)
30° 30°

⅝" *Parallel to ℄ of truss*

Base ℄ 1½" x 1'-8" x 1'-8"

SECTION B-B

4"
At base

½" (Typ.)

⅝" Rib Plate (Typ.)

Rib-Col. ¼

Typ. Col-Base, and Rib-Base ⁵⁄₁₆

1" x 1"

1"

⅛" (Max.) gap before fillet welding (Adj. weld size per code)

8"

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

**Alternate detail if welding col. to base plate first, then snip inside corner of ribs. Terminate weld on rib ¼" from snip.

SECTION D-D

6"
1¼" (Typ.) 3½"
℄ 1" ⌀ holes for U-bolts
D + 1"

W- ½"
a
R

D + 3½"

R= D/2 + ¹⁄₃₂ at 90°

D = Outside Diameter of Chord.
For W. see Base Sheet OS-A-6.

SADDLE SHIM DETAIL

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

Truss Chord Nominal Dia.	a
5"	¾"
5½"	¹³⁄₁₆"
6"	⅞"
6½"	¹⁵⁄₁₆"
7"	1"

1'-6"
7½" 7½"
½" (Typ.)

8" ⌀ hole

Anchor Plate

1½" (Typ.)
1½" (Typ.)
1'-3"
1'-6"

℄ 1³⁄₈" ⌀ holes

6" (Min.) Threaded
3'-0"
2'-2" Threaded
4" Threaded

℄ 1¼" ⌀ rods

Provide 2 uncoated nuts per rod. Nuts shall be "snug tight" against anchor plate.

½" (Min.)

All Thread = NC (National Coarse)

Anchor plate

ANCHOR ROD DETAIL
Spread Footing Foundation

℄ 1³⁄₈" ⌀ holes
1'-6"
7½" 7½"
½" (Typ.)

1½" (Typ.)
4" (Typ.)
1'-6"
1'-3"
4" (Typ.)

½" (Typ.)

Optionally may use four (4) separate bars. Weld to maintain perpendicularity. ³⁄₁₆

POSITIONING PLATE(S)

At each location, provide ¼" thick positioning plate(s) and six (6) additional nuts to be used with leveling nuts to maintain anchor bolts position during concrete placement.

¼" plate and extra nuts become Contractor's property. Cost included in "Drilled Shaft Concrete Foundations".

6" (Min.) Threaded
3'-6"
2'-8"
4" Threaded

℄ 1¼" ⌀ rod

All Thread = NC (National Coarse)

Provide 1 uncoated nut per rod. Deform thread or use chemical thread lock to secure.

ANCHOR ROD DETAIL
Drilled Shaft Foundation

NUMBER	REVISION	DATE

1½" ⌀ pipe coupling for conduit attachment (plug for shipping)

℄ Bottom Chord

¾" ⌀ U-bolts. Provide washers and hexagon locknuts. (2 required)

Saddle shim

3½"

W8x28

C | C

W8x28

12"
W

Field drill ¹⁵⁄₁₆" ⌀ holes. Touch up holes with galvanizing paint.

¼ (Typ.)

SECTION C-C
(Handhole cover not shown)

W8x28

Drain hole (See Base Sheet OS-A-2.)

⅛" fabric or neoprene pad.

DETAIL C

10" ⌀ PIPE SUPPORT FRAME DETAILS

Anchor rods shall conform to AASHTO M314 Grade 36 or 50 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.

PLOT DATE = Wed Dec 22 13:56:39 2004
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