

Design conforms with AASHTO Specifications for the Design and Construction of Structural Supports for Highway Signs 1968. Foundation design conforms with Design Procedure compared to Full-Scale Tests of Drilled Shaft Footings, Texas Transportation Institute, February, 1970.

Materials and Fabrication shall conform to the requirements of the Kansas Highway Commission Standard Specifications and Special Provisions.

It is permissible to close the bottom of the sleeve with a metal plate.

All holes in the wood posts shall be drilled prior to treating. Preservative treatment shall be the pentachlorophenol type.

Prior to sealing the opening between wood post and top of concrete footing, place two hardwood wedges into opening on two adjacent sides of post and force down to within $\frac{1}{8}$ " of top of footing.

The 3 lb. per foot steel sign post shall conform to Section 1006.20 of the Standard Specifications For State Road and Bridge Construction (1973 Edition) and any subsequent publication.



Technical drawing of a bridge pier cross-section. The drawing shows a rectangular pier with a central vertical reinforcement core. The core consists of a 4x6 inch treated wood post, a 1 3/4 inch diameter hole, and a hardwood wedge. The core is surrounded by a concrete shell. The concrete shell is reinforced with 4 #4 bars and a 1/4 inch diameter spiral with a 6 inch pitch. The concrete shell is 1 foot 6 inches wide at the base and 3 feet 0 inches high. The wood post is 5 1/2 inches wide. The hole is 1 inch in diameter. The hardwood wedge is 1 inch thick. The concrete shell is 3 inches thick. The drawing also shows the direction of traffic and the seal opening between the post and concrete with bituminous material.

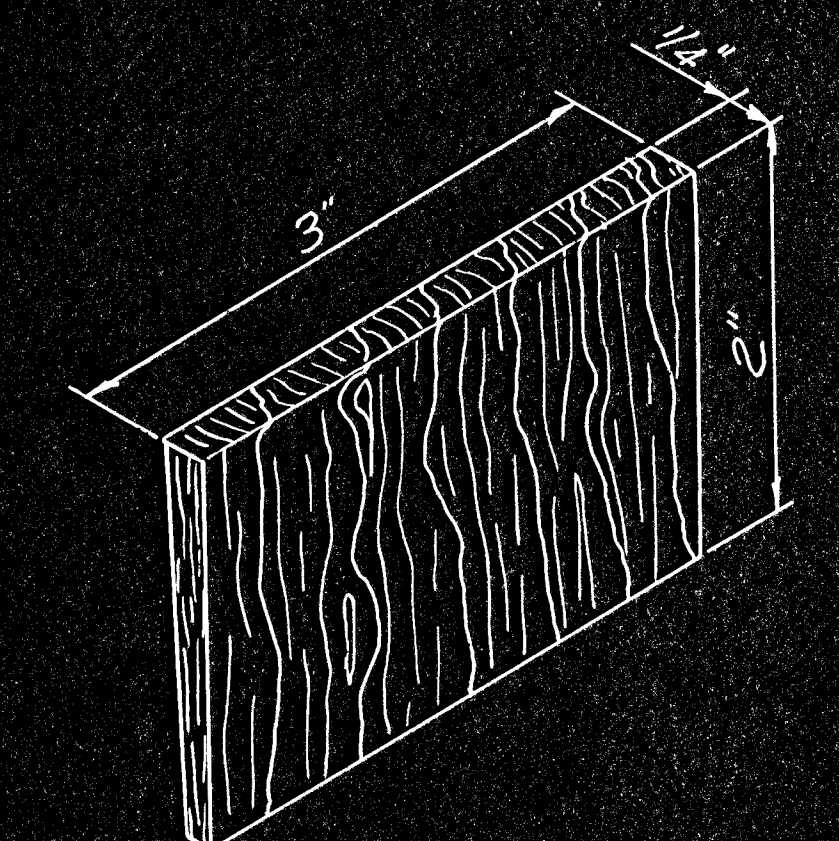
Labels and dimensions include:

- 4" x 6" s4s treated wood post
- Direction of traffic
- 1 3/4" hole
- Hardwood Wedge
- 5 1/2"
- Seal opening between post and concrete with bituminous material
- Undisturbed earth or compacted fill
- 4 #4 bars
- 1/4" spiral 6" pitch
- 3'-0"
- 2'-6"
- 1'-6"
- 3"
- 3"
- 1"
- 6"

ELEVATION



MOUNTING FOR STRUCTURAL PANEL SIGN



HARDWOOD WEDGE

4	7-3-73	Chg. Bolt Spacing to agree with 6" spec	W	AF
3	4-19-73	Added Spec. for 3/16" (1/4" Spec) Post	W	AF
2	5-4-72	Deleted Note on ASTM Calc Spec	W	AF
1	1-24-72	Chg. size sleeve to 3"x5"	W	AF
NO.	DATE	REVISIONS	BY	APP'D

KANSAS DEPARTMENT OF TRANSPORTATION
STANDARD STRUCTURAL SIGN SUPPORTS
ROADSIDE MOUNTING
WOOD SUPPORT DETAILS

SHEET NO. <u>5</u> OF <u>143</u>	SCALE <u>Varies</u>	APP'D <u>William J. [Signature]</u>
DESIGNED <u>BFM</u>	DETAILED <u>BFM</u>	QUANTITIES <u>IRAN RBA</u>
DESIGN CK. <u>NW</u>	DETAIL CK. <u>NW</u>	QUAN. CK. <u>IRAN RBA</u>