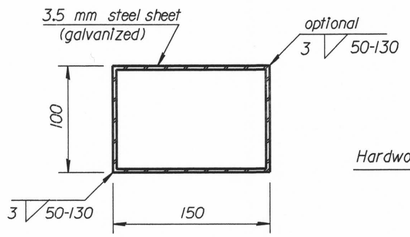
FHWA REGION NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	54-87 K-6657-01	2002	675	1122

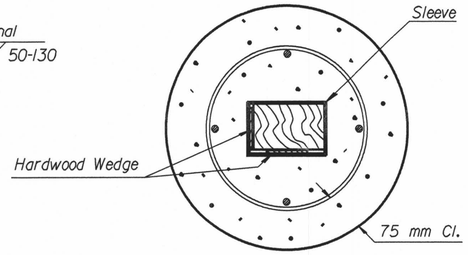
ORIG. FROM BR.NO. PROJ. CO.

	DESIGN	CHECK
DESIGN	BFM/DCD DATE 11/90	NLW/LES DATE 11/90
DETAIL	BFM DATE 11	NLW DATE 11
QUANTITIES	DATE	DATE
TRACING	RBA DATE 11	BFM DATE 11
RETRACED	DJE DATE 90	LES DATE 90

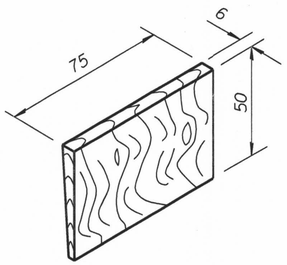
DSNR: OPER: SVB SCALE:
I:/1997/97362/SIGNING/STANDARDS/TE422SI.DGN 11-19-2001 14:41:05 LAST REV: 1-25-2002 BY: svb



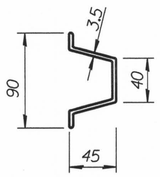
SECTION THRU SLEEVE



SECTION A-A

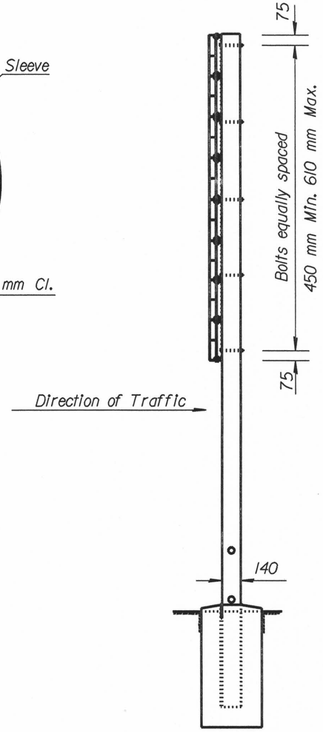


HARDWOOD WEDGE

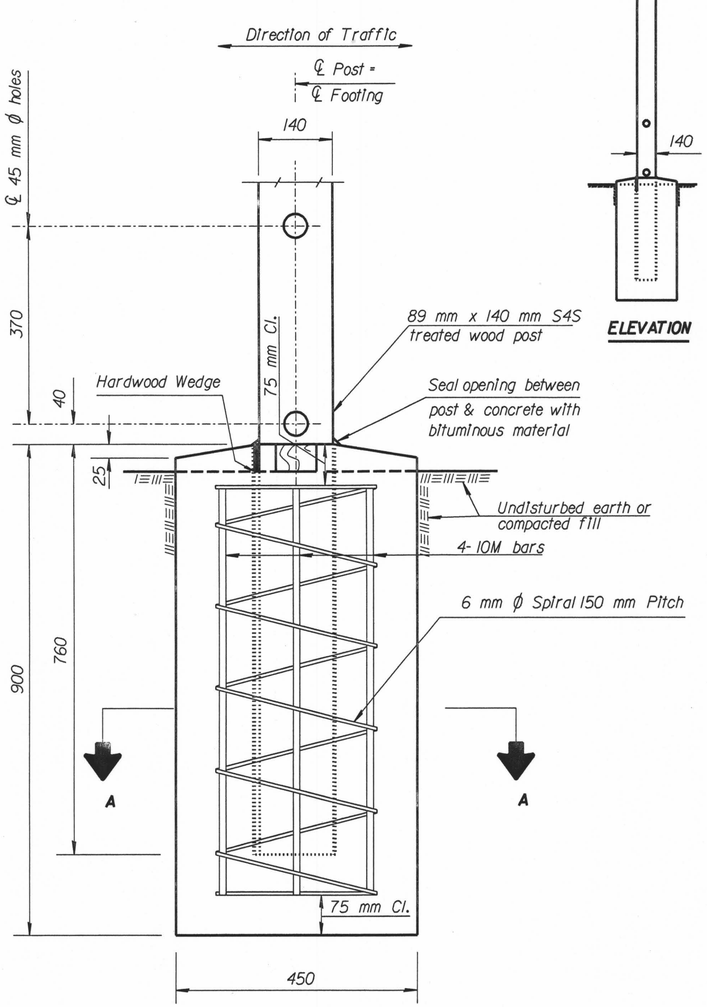


4.5 kg per m

GALVANIZED STEEL SIGN POST SECTION

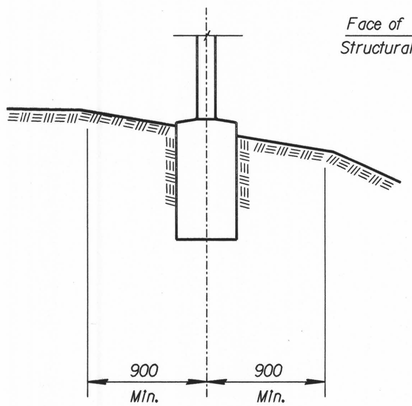


ELEVATION



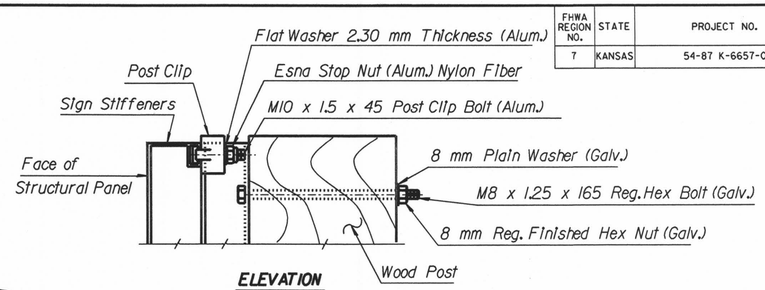
SIDE ELEVATION

FOOTING and POST DETAILS

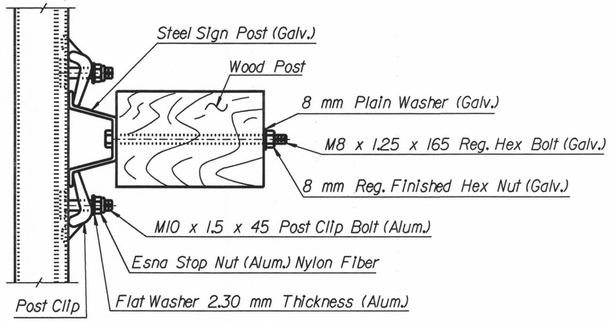


PLACEMENT CRITERIA

Note:
Do not place any post closer than 900 mm to any break in the cross-slope.

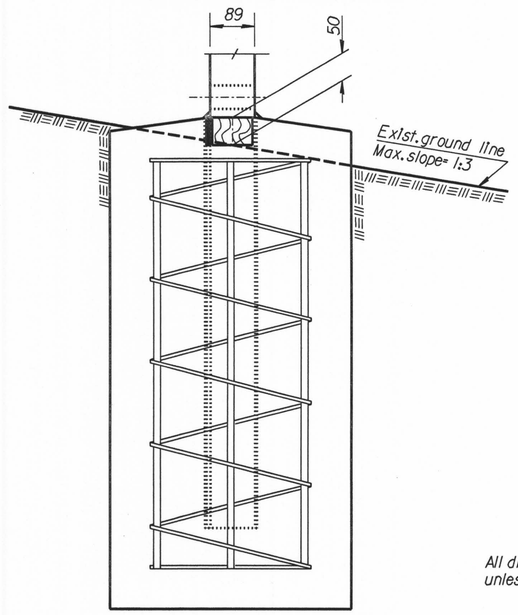


ELEVATION



PLAN

MOUNTING for STRUCTURAL PANEL SIGN



FRONT ELEVATION

GENERAL NOTES

Design conforms with AASHTO "Standard Specifications for Structural Supports for Signs, Luminaires, and Traffic Signals 1994". 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 Sec. 2303 and 2304 of the Kansas Department of Transportation Standard Specifications for State Road and Bridge Construction and special provisions.

The post sleeve shall be formed from zinc coated steel sheet which was produced to meet the requirements of ASTM A525M and zinc coated to meet the requirements of coating designation A123. Basis of acceptance shall be visual inspection of the finished sleeve and determination of zinc thickness by magnetic gage. 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 comply with Section 2304 of the Standard Specifications for State Road and Bridge Construction (1990 edition) and special provisions.

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 10 mm of top of footing.

The 4.5 kg per m steel sign post shall conform to section 1620 of the Standard Specifications for State Road and Bridge Construction (1990 edition) and special provisions.

NOTE: Commercial Grade concrete may be substituted for Grade 25 concrete for sign support footings.

All dimensions in millimeters unless otherwise noted.

NOTE TO THE ENGINEER:
The intent of the "Roadside Design Guide" and these plans is to have a 100 mm or less projection above the ground line after impact.

NO.	DATE	REVISION	BY	APP'D
3				
2				
1				

KANSAS DEPARTMENT OF TRANSPORTATION

STANDARD STRUCTURAL SIGN SUPPORT
ROADSIDE MOUNTING
WOOD SUPPORT DETAILS

TE422SI

FHWA APPROVAL		5-6-96	APP'D		
DESIGNED BFM/DCD	DETAILED	BFM	QUANTITIES	TRACED	DJE
DESIGN CK. NLW/LES	DETAIL CK.	NLW	QUAN. CK.	TRACE CK.	LES