



SYSTEM	POST	FOUNDATION
SSF22a	PDP20	POF05
	PDP21	POF06
	PDP22	POF06
	PDP23	POF07
	PDP24	POF08
SSF22b	PDP20	POF05
	PDP21	POF06
	PDP22	POF06

RECTANGULAR WOOD POST IN CONCRETE

SSF22a-b

SHEET NO.	DATE:
1 OF 2	2006

INTENDED USE

The rectangular wood post in concrete small sign support system can be used as a one-post (SSF22a) or a two-post (SSF22b) sign support system where both posts are within a 2100 mm span. PDP20 through PDP24 posts may be used in the one-post system (SSF22a) but only PDP20 through PDP22 may be used in the two-post systems (SSF22b) where both posts are within a 2100 mm span. The larger posts (PDP23 and PDP24) may be used in a two-post system but the posts must be at least 2100 mm apart. The system has been successfully crash tested with the base embedded in a concrete foundation with steel tube insert (POF05-08). The system is considered to meet the requirements of the 1985 AASHTO *Standard Specifications for Structural Supports for Highway Signs, Luminaries and Traffic Signals* for both strong or weak soil.

COMPONENTS

The rectangular wood post in concrete small sign support system consists of either one post (PDP20 through PDP24) or two posts (PDP20 through PDP22) placed in a concrete foundation with a steel tube insert (POF05 or POF08). The steel tube facilitates replacing the post if the post is struck and broken off. PDP20 posts must be used with POF05 foundations; PDP21 and PDP22 posts must be used with POF06 foundations; PDP23 posts must be used with POF07 foundations and PDP24 posts must be used with POF08 foundations. The steel tube insert is just large enough to allow the timber post to slide into it.

REFERENCES

L. A. Staron, "Breakaway Sign Supports," Geometric and Roadside Design Acceptance Letter SS-32, Federal Highway Administration, October 28, 1992.

L. A. Staron, "Breakaway Sign Supports," Geometric and Roadside Design Acceptance Letter SS-36, Federal Highway Administration, September 3, 1993.

RECTANGULAR WOOD POST IN CONCRETE

SSF22a-b

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DATE

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