



SSF01a

SSF01b

SYSTEM DESIGNATOR	ACCEPTABLE POSTS
SSF01a	PTP20b to PTP22b
	PTP21a to PTP22a
	PTP12a
	PTP40b to PTP42b
	PTP40a to PTP43a
SSF01b	PTP12a
	PTP21a to PTP22a
	PTP20b to PTP21b
	PTP40a to PTP42a
	PTP40b to PTP41b

DIRECT BURIAL PERFORATED STEEL TUBE

SSF01a-b

SHEET NO.

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2006

## INTENDED USE

The direct burial perforated steel tube small sign support system is a yielding breakaway system that can be used as a single-post (SSF01a) or double-post (SSF01b) sign support system where all the posts are within a 2100 mm span. The largest mass post acceptable in a single post system (SSF01a) is 3.6 kg/m (PTP12a, PTP20a-PTP22b, or PTP40a-42b). The largest mass post acceptable for two post system (SSF01b) is 3.1 Kg/m (PTP12a, PTP20a-PTP21b, or PTP40a-41b). The system is considered to meet the requirements of the 1985 AASHTO *Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals*. These systems have been successfully crash tested for a variety of soil and post configurations and may be used in either strong or weak soil with one or two posts.

## COMPONENTS

The direct burial perforated steel tube sign support system consists of a square steel post with either knock-outs (PTP12a) or hole perforations (PTP20a-22b or PTP40a-42b) on all four tube faces. The post is driven at least 1200 mm into the soil such that the bottom of the sign panel is at least 2100 mm above the ground.

## REFERENCES

L. A. Staron, "Breakaway Sign Supports," Geometric and Roadside Design Acceptance Letter SS-03, Federal Highway Administration, October 3, 1986. ,

L. A. Staron, "Breakaway Sign Supports," Geometric and Roadside Design Acceptance Letter SS-19, Federal Highway Administration, July 31, 1990.

L. A. Staron, "Breakaway Sign Supports," Geometric and Roadside Design Acceptance Letter SS-40, Federal Highway Administration, October 27, 1993.

S. I. Sillan, "Breakaway Sign Supports," Geometric and Roadside Design Acceptance Letter SS-62, Federal Highway Administration, June 3, 1996.

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