Varies 3' min. Barrier deflection distance Guardrail shown, other barrier may be used with appropriate deflection provided. Tube sign post 3/4" ASTM A325 bolt hot dip galvanized per ASTM A123 -3" clear -Stub post -2" clear Stub post 1/2" or 5/8" bars equally spaced LSign face approximately Typical sign face 3" clear perpendicular to orientation direction of travel SIGN POST FOUNDATION SIGN POST FOUNDATION See table for depth and diameter

GENERAL NOTES

- 1. This is a non-crashworthy sign support. It may only be used at locations shielded by a guardrail, barrier, or wall. It may not be used if the sign post is within 20' of the rail and is closer than 75' from the guardrail end post (measured along the rail). For this case use a breakaway sign support. See Standard Plan G-20.
- 2. Furnish steel tube sign post and stub post that conform to ASTM A500, grade B, and meet ASTM A123 for hot dip galvanizing.
- 3. Install tubes and stub post with a 0.1875" wall thickness.
- 4. For Perforated Tubes use Standard Plan S-30.
- 5. Spiral reinforcing steel may be substituted for hoops in concrete foundation. Spiral option shall consist of No. 3 plain spiral with 6" pitch with three flat turns at the top and one flat turn at the bottom.
- 6. Use Class A, B or W concrete.

POST SIZE & TYPE	FOUNDATION *			REINFORCEMENT					STUB POST	
	DIA.	MIN. DEPTH	C.Y. CONC.	VERTICAL BARS HOOPS					SLEEVE	
				QTY.	SIZE	LGTH.	SIZE	DIA.	SIZE	LGTH.
2 1/2" TUBE	1'-0"	4'-6"	0.13	6	#4	4'-0"	#4	8"	3"	3'
3" TUBE	1'-6"	4'-0"	0.25	7	#5	3'-6"	#4	1'-2"	3 1/2"	3'
3 1/2" TUBE	1'-6"	4'-6"	0.27	7	#5	4'-0"	#4	1'-2"	+	3'
4" TUBE	2'-6"	4'-0"	0.69	8	#8	3'-6"	#4	2'-2"	4 1/2"	3'
4 1/2" TUBE	2'-6"	4'-6"	0.78	8	#8	4'-0"	#4	2'-2"	5 "	3'

* Foundation sized for use where there are no loose, high moisture, or fine grained soil.

State of Alaska DOT&PF ALASKA STANDARD PLAN

SIGN POST BASE AND FOUNDATION BEHIND

BARRIER

Adopted as an Alaska Standard Plan by: Carolyn Morehouse

Carolyn Morehouse, P.E. Chief Engineer

Adoption Date: 7/17/2020

Last Code and Stds. Review
By: KLK Date: 7/8/2020

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