

Alaska DOT&PF Guidance on durable markings installation

Durable Traffic Markings are standardized based on marking type, number of lanes and AADT. This section only applies to stable pavements on new construction projects, NHS routes, control routes and numbered routes. Use the below table to select minimum requirements for projects that require durable markings. Inlaid preformed symbols are an option in short term low wear situations, however methyl methacrylate (MMA) is preferred. Preformed marking tape (PMT) shall not be used in any permanent situation. For all other situations and pavement types, refer to DOT&PF paint guidance.

Design Durable Marking Guide for Stable Pavements						
TABLE 1: Marking Materials and Application						
	<3000 AADT	3000 < 6000 AADT		> 6000 AADT		Any volume: NHS interstate, controlled access routes
Marking Type	One or Two Thru Lanes, Each Direction	One Thru Lane Each Direction	Two Thru Lanes Each Direction	One Thru Lane Each Direction	Two Thru Lanes Each Direction	Three Thru Lanes Each Direction
Longitudinal Lines between Lanes (Skips, Solids): & Unsignalized Sidestreet Stop Bars	DOT&PF Paint Spec, or Regional Guidance	Surface MMA 60-125 mils	Grooved-In MMA 60-125 mils	Grooved-In MMA 125-250 mils		
Transverse Lines for All Way Stops, Signalized Crosswalks, Symbols, Letters		Grooved-In MMA 250 mils				
Transverse Lines and Symbols - Unsignalized School Zones, Railroad Crossbucks	Grooved-In MMA 60-125 mils					
Roundabouts (functional areas)	Grooved-In MMA 125-250 mils	Grooved-In MMA 250-500 mils				
Note: When determining marking thickness, the maximum allowable in the range shall be used. If minimum allowable thickness is selected, engineering judgement based on regional and climatic conditions must be used for justification.						