

 <p style="text-align: center;">STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES</p> <p style="text-align: center;">Policy and Procedure</p>	POLICY AND PROCEDURE NUMBER 07.05.020	PAGE 1 of 3
	EFFECTIVE DATE April 27, 2018	
SUBJECT Highway Pavement Maintenance, Preservation, and Rehabilitation		SUPERSEDES 07.05.020
		DATED April 10, 1992
CHAPTER Maintenance and Operations	SECTION Highways	APPROVED BY Signature on File

PURPOSE

This formalizes the policy and procedure (P&P) of the department to establish a process for making data driven decisions to recommend maintenance, preservation, rehabilitation, and reconstruction projects to maximize the life of pavements at minimum cost while maintaining a desired level of performance. With the exception of unstable foundation areas such as permafrost or soft foundations, the Pavement Management System (PMS) will be used to measure surface condition and provide pavement performance models to select an appropriate action for each mile of paved roadway.

POLICY

It is the policy of the Department of Transportation and Public Facilities (DOT&PF) to use professional judgment and a PMS to recommend a pavement maintenance, preservation, and rehabilitation program that meets federal and state performance measures. This policy applies to National Highway System (NHS) immediately and non-NHS by January 1, 2020.

Definitions

Pavement and Maintenance Projects: Are detailed in the Alaska Highway Preconstruction Manual.

PROCEDURE

The following procedures are provided for developing pavement preservation and rehabilitation projects as defined in the Alaska Highway Preconstruction Manual.

A. Organization

1. The Steering Committee includes the Regional Directors and Statewide Planning and Program Development Director and Statewide Design and Engineering Services Director. Any disputes will be handled by the Commissioner.

2. Asset Management Teams are composed of designated representatives from planning, design, construction, pre-construction, maintenance, and materials

B. Procedures and Timeline

Pavement distress data will be uploaded in to the PMS to be used for predictive modeling and the development of project recommendations. Designated DOT&PF staff will quality check and refine the project recommendations. Final project recommendations will be inserted in the Annual Preservation Plan. Specific actions and responsible parties are identified in the following timeline.

April – September:

- Highway pavement distress data is collected.

October - November:

- Compiled pavement distress data is uploaded into the PMS.
- The Pavement Management Engineer receives updated treatment cost data from Asset Management Technical Team and updates PMS.

December - January:

The Pavement Management Engineer uses the PMS to create project recommendation lists:

- Predictive modeling software and information from the PMS and Maintenance Management System (MMS) databases is used to prepare recommendations, including; 1) routine maintenance, 2) preservation, 3) rehabilitation and 4) reconstruction. Maintenance related recommendations are imported directly into MMS for evaluation and processing.
- Project recommendation lists are prepared for each region and reviewed by the Pavement Management Engineer.

January - February:

- Project recommendation lists are forwarded to the Asset Management Technical Team to review and process.
- The Pavement Management Engineer meets with regional personnel as requested to discuss project recommendations and provide additional data or analysis.

February - May:

- The regions internally evaluate the project recommendations list.
- The regions may consider additional asset preservation needs.
- Selected project recommendations are presented to the Regional Directors with preliminary scope, design life, preliminary costs, and schedule.

June – September:

- Finalized regional project recommendation lists are collected by the Pavement Management Engineer and assembled into the Annual Preservation Plan (APP) for review and approval by the Steering Committee.
- Projects outside the scope of maintenance and preservation are provided to planning for consideration and inclusion in the STIP.

October:

- Regions initiate projects included in the approved APP.

AUTHORITY

AS 44.42.020(a) (1, 2, and 7), 23 CFR Part 626

IMPLEMENTATION RESPONSIBILITY

Chief Engineer, Regional Directors, Regional Preconstruction Engineers, Regional Maintenance and Operations, and Planning Chiefs and Pavement Management Engineer.

DISTRIBUTION

All department employees via the DOT&PF website