

 <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 07.05.025	PAGE 1 of 3
	EFFECTIVE DATE May 1, 2019	
SUBJECT Highway Bridge Maintenance, Rehabilitation and Reconstruction	SUPERSEDES New	DATED
CHAPTER Maintenance & Operations	SECTION Highways	APPROVED BY Signature on File

PURPOSE

This formalizes the policy and procedure (P&P) of the department for making data driven decisions to recommend maintenance, preservation, rehabilitation, and reconstruction projects to maximize the life of bridges at minimum cost while maintaining a desired level of performance. The Bridge Management System (BMS) will be used to document bridge condition and provide bridge performance models to select an appropriate action for each bridge.

POLICY

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

PROCEDURE

The following procedures are provided for developing the bridge portion of preservation, rehabilitation, and reconstruction projects as defined in the Alaska Highway Preconstruction Manual.

A. Organization

1. The Steering Committee includes the Regional Directors, Statewide Planning and Program Development Director, and Statewide Design and Engineering Services Director. Any disputes will be handled by the Commissioner.
2. The Bridge Asset Management Technical Team is composed of designated representatives from Bridge, Program Development, Construction, Preconstruction, and Maintenance.

B. Procedures and Timeline

Bridges will be inspected and condition data collected in the BMS. The BMS will 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 Bridge Preservation Plan (ABPP). Specific actions and responsible parties are identified in the following timeline.

April – September:

- Bridge Section inspects bridges and collects condition data in the BMS.

October - November:

- Bridge Management Engineer performs quality assurance and compiles data in the BMS.
- Updated cost data is received from the Bridge Asset Management Technical Team and entered into the BMS.

December - January:

The BMS is used to create project recommendation lists:

- Predictive modeling software and information from the BMS and Management Maintenance System (MMS) databases are 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 Bridge Management Engineer and the Chief Bridge Engineer.

January - February:

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

February - May:

- The regions internally evaluate the bridge project recommendations lists.
- 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 assembled into the ABPP for review and approval by the Steering Committee. Projects outside the scope for preservation are provided to Program Development for consideration and inclusion in the STIP.

October:

- Regions initiate projects included in the approved ABPP.

DEFINITIONS

Definitions for bridge and maintenance projects are detailed in the Alaska Highway Preconstruction Manual.

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, planning chiefs, and chief bridge engineer.

DISTRIBUTION

All department employees via the DOT&PF website