



**Alaska
Department of
Transportation
and
Public Facilities**

**Alaska
Test Methods
Manual**

September 1, 2024

Preface

This manual provides a compilation of approved Test Methods, Forms and Standard Practices to be used to test materials on Alaska Department of Transportation & Public Facilities (DOT&PF) projects.

Most of these testing procedures follow two nationally recognized standards; American Society for Testing and Materials (ASTM), and the American Association of State Highway and Transportation Officials (AASHTO). Modifications to these standards are in recognition of the necessity of adjusting test requirements to meet local demands and/or naturally occurring materials.

This manual also includes Field Operating Procedures (FOPs) for existing AASHTO test methods. These procedures are developed and maintained by the Western Alliance for Quality in Transportation Construction (WAQTC). The FOPs select options and provide concise directions in the use of the AASHTO methods.

In addition, this manual includes WAQTC test methods that are not covered by AASHTO or ASTM. These methods have been submitted to AASHTO for adoption. Other procedures were developed by the Alaska DOT&PF to address specific needs in the State of Alaska that are not adequately covered in AASHTO, ASTM or WAQTC.

The Appendix contains standardized practices to be used by all DOT&PF regional and/or field laboratories including consultant fixed and field laboratories.

The test methods (including referenced test methods) in this manual refer to the most recent issue in effect on the date of the test, including interim publications or errata; unless the test methods (including referenced test methods) are specified by year or date.

Submit suggested additions, deletions or revisions to these procedures to the Statewide Materials Engineer and the Statewide Construction Standards Engineer.

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The American Association of State Highway and Transportation Officials
The American Society for Testing and Materials
The Western Alliance for Quality Transportation Construction (WAQTC)

Appreciation is also extended to Laboratory and Construction personnel from each Region for their dedication, participation and patience in seeing this task to completion.

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List of Revisions for this edition:

Section 300

ATM 301 – References ATM 304.

ATM 310 – New test method. Relative LWD Deflection of Embankment Materials by the Control Strip Method.

Section 400

ATM 404 – Changes made to methods related to “Sectoring.”

Section 500

ATM 530 – Extensive revision to method steps and report sheets. Engineers Notes added.

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**This Test Method has specific guidelines for the use of the noted test method by the State of Alaska DOT&PF.*

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