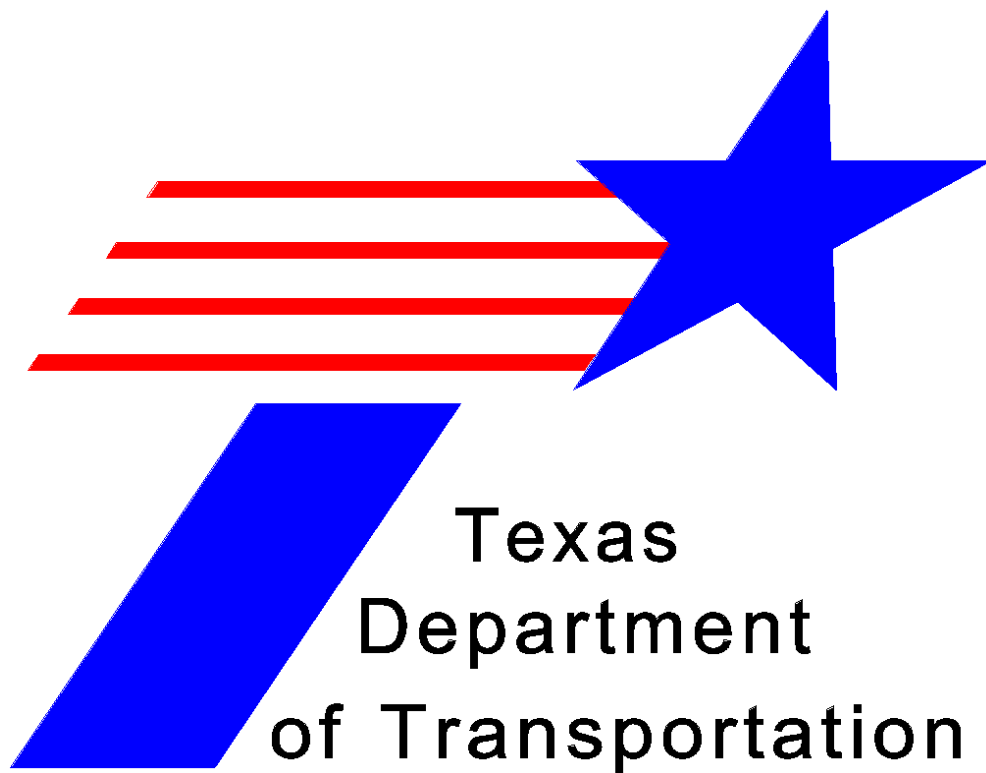


Seal Coat and Surface Treatment Manual



Texas
Department
of Transportation

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Manual Notice 2017-1

From: C. Michael Lee, P.E. Director, Maintenance Division

Manual: Seal Coat and Surface Treatment Manual

Effective Date: March 01, 2017

Purpose

The *Seal Coat and Surface Treatment Manual* has been revised to bring it up to date with current policies, practices and terminology. Chapter 1, 2, 3, 4, 8 and 9 have been updated.

Changes

Chapter 1: Now begins with a general overview of Pavement Preservation. Some photos in Chapter 1 have been updated to provide better examples of topics covered. A new discussion of Surface Treatments Defects has been added to Section 4.

Chapter 2: Explains how the Pavement Management Information System (PMIS) can be used and shows a sample PMIS Report.

Chapter 3: Adds a section on the use of asphalt cement for seal coats and some new illustrations.

Chapter 4: Adds a new section on Transversely Varying Asphalt Rates (TVAR) to better match the needs of the existing pavement.

Chapter 8: The "Temperature" discussion in Section 2 has been rewritten to give more detailed suggestions. A sentence is added to Section 8 to clarify that a contractor must furnish a volumetric calibration and strap stick for the distributor tank during asphalt applications. Section 9 now refers to the 2014 TxDOT Standard Specifications for filling trucks for contractors.

Chapter 9: Adds a link to a video describing how seal coats are an important part of TxDOT's preventive maintenance program.

Contact

Address questions concerning information contained in the Manual Notice to Randy Ormsby at (512) 416-3196 or randy.ormsby@txdot.gov.

Archives

Past manual notices are available in a [PDF archive](#).

Manual Notice 2010-1

From: Zane L. Webb, P.E. Director, Maintenance Division

Manual: Seal Coat and Surface Treatment Manual

Effective Date: May 01, 2010

Purpose

The *Seal Coat and Surface Treatment Manual* was revised to incorporate a recent TxDOT directive.

Changes

Chapter 3, Sec. 4, Planning and Contracting: Added "To promote cost savings, a TxDOT directive states to limit seal coat on shoulders four feet or greater in width to every other seal coat cycle. Crack sealing on shoulders should be used as part of the overall maintenance plan and is a less expensive means of keeping water out of the substructure."

Contact

Address questions concerning information contained in the Manual Notice to Randy Ormsby at (512) 416-3196.

Archives

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Manual Notice 2004-1

To: All Users of the *Seal Coat and Surface Treatment Manual*

From: Zane L. Webb, P.E.
Director, Maintenance Division

Manual: *Seal Coat and Surface Treatment Manual*

Effective Date: May 1, 2004

Purpose

This manual is a significantly updated version of the 1984 Texas Department of Transportation's *Seal Coat and Surface Treatments, Inspector's Training Manual*. This new manual incorporates

- (1) input from seal coat experts
- (2) new materials, equipment, and methods
- (3) "best practice" ideas recommended by Texas Tech University in research project 0-1787, *Seal Coat Constructability Review*.

Instructions

Discard the entire 1984 *Seal Coat and Surface Treatments, Inspector's Training Manual* and replace it with the new manual.

Contents

The *Seal Coat and Surface Treatment Manual* contains the following topics: guidelines for treatment selection, materials selection, plan preparation, determining binder and aggregate application rates, duties of inspectors or crew chiefs, pre-seal coat activities, equipment inspection, seal coat/surface treatment application, and public perception and complaints. It is intended for use by inspectors, engineers, contractors, and Maintenance personnel.

Online Manual. This manual has been available online since July 2004. The content of both formats is the same. However, some formatting has been changed to take advantage of automated tasks:

- ◆ Appendices A through C are accessible through hyperlinks in the text of the manual. This information is served from a secured server and will not be available to external users.
- ◆ Equations were recreated for the online format to preserve mathematical formatting. Also, equations are numbered in a different format online.

Contact

Address questions concerning information contained in the Manual Notice to Randy Ormsby at (512) 416-3196.