


**MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND AVIATION ADMINISTRATION**

MEMORANDUM

TO: Distribution

FROM: Ali Logmanni, Manager 
Division of Engineering
Office of Design and Construction

DATE: October 3, 2013

SUBJECT: Design Standard (DST) 2013-11, Section 8.3.1.2 Pavement Markings on Landside Pavements

Effective immediately, the following modifications shall be made to the MAA Design Standards Manual, dated January 2013:

Insert the attached new *Section 8.3.1.2 Pavement Markings on Landside Pavements*.

Consultants listed herein are required to distribute this design standard to their respective subconsultants.

If you believe the attached drawings conflict with any other codes or regulations, or if you should have any questions regarding this matter, please contact the Manager, Division of Engineering at 410-859-7768.

Attachment

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8.3.1.2 Pavement Markings on Landside Pavements

Pavement markings on all landside pavements shall conform to the latest version of the applicable Maryland State Highway Administration (MDSHA) specification as outlined below. These specifications can be found on the MDSHA website under “Supplemental Specifications and Provisions” <http://www.sha.maryland.gov/pages/ssp.aspx?PageId=854&lid=SSPJUL2008>. The specifications, when applicable, shall be inserted in the contract documents.

1. Landside Asphalt Pavements

- a. Thermoplastic pavement markings conforming to MDSHA Standard Specifications for Construction and Materials Section 553 - Lead Free Reflective Thermoplastic Pavement Markings.
 - The manufacturer’s recommendations shall be followed for the duration between installation of the asphalt pavement and application of the thermoplastic pavement markings.
 - Thermoplastic pavement markings shall not be placed over existing pavement marking tape on existing asphalt pavement. The existing tape shall be removed prior to placement of the thermoplastic pavement markings.
- b. Alternatively, inlaid permanent preformed pattern reflective pavement marking materials conforming to MDSHA Standard Specifications for Construction and Materials Section 559 - Permanent Preformed Patterned Reflective Pavement Markings, may be used.

2. Landside Concrete Pavements

- a. Permanent preformed contrast pattern reflective pavement marking materials conforming to MDSHA Standard Specifications for Construction and Materials Section 559 - Permanent Preformed Patterned Reflective Pavement Markings.
 - Existing contrast pavement markings shall be removed per MDSHA standard specifications for Construction Materials SECTION 565 — REMOVAL OF EXISTING PAVEMENT MARKINGS with high pressure water blasting or other manual removal methods as outlined.

3. Landside Legends and Symbols

- a. Heat applied permanent preformed thermoplastic pavement markings meeting MDSHA Standard Specifications for Construction and Materials Section 556 - Preformed Thermoplastic Pavement Markings.

4. Parking Lots

- a. All markings shall be thermoplastic pavement markings as described in Landside Asphalt Pavement above and conforming to MDSHA Standard Specifications for Construction and Materials Section 553 - Lead Free Reflective Thermoplastic Pavement Markings.
- b. Crosswalks, messaging, and symbols shall be heat applied permanent preformed thermoplastic pavement markings conforming to MDSHA Standard Specifications for Construction and Materials Section 556 - Preformed Thermoplastic Pavement Markings.

5. Parking Garages

- a. Lane, stall and numbering markings shall use solvent based Low Voc Acrylic Traffic Marking Paint which is a conventional dry (non-heat applied) acetone based paint for use on concrete and asphalt pavements.
- b. Crosswalks, messaging, and symbols shall be heat applied permanent preformed thermoplastic pavement markings conforming to MDSHA Standard Specifications for Construction and Materials Section 556 - Preformed Thermoplastic Pavement Markings.
- c. Consolidated Rental Car Facility (CRCF) Garage - The CRCF Garage is an exception and shall use solvent based Low Voc Acrylic Traffic Marking Paint which is a conventional dry (non-heat applied) acetone based paint for use on concrete and asphalt pavements for all markings including lane, stall, numbering, crosswalks, messaging and symbols.