

**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) 2013-10, Revised Section 8.2.2 Pavement Marking on Airside Pavements

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

Remove Section 8.2.2 Pavement Marking on Airside Pavements in its entirety and replace with the attached Section 8.2.2 Airfield Pavement Markings.

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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Section 8.2.2 Airfield Pavement Markings

8.2.2.1 Heat Applied Preformed Thermoplastic Markings

All permanent pavement markings on the airfield at both BWI Marshall and Martin State Airport shall receive permanent heat applied preformed thermoplastic markings where permitted by the latest edition of Federal Aviation Administration Advisory Circular AC 150/5340-1, Standards for Airport Markings and Federal Specification 150/5370-10, Item P-620, Runway and Taxiway Painting.

All markings approved and listed for heat applied permanent preformed thermoplastic in the latest edition of Federal Aviation Administration Advisory Circular AC No: 150/5340-1, Standards for Airport Markings and Federal Specification 150/5370-10, Item P-620, Runway and Taxiway Painting, shall receive permanent preformed thermoplastic markings. These include but are not limited to hold position markings, surface hold position signs, and taxiway centerline and edge lines. The material shall have a thickness of 65-mil, have a reflective glass beads refractive index of 1.5 or greater, and meet the requirements from the latest edition of Federal Specification 150/5370-10, Item P-620, Runway and Taxiway Painting.

The Designer shall specify in the contract documents that only trained and certified installers shall apply preformed thermoplastic markings.

8.2.2.2 Waterborne Paint

All permanent pavement markings on the runways at both BWI Marshall and Martin State Airport, with the exception of black markings, shall be waterborne paint containing glass beads.

Paint shall be waterborne in accordance with Federal Specification TT-P-1952E, Type I or Type II depending on usage [Type I has a standard drying time (no pick-up when tested in accordance with ASTM D 711), Type II may be used for striping where faster curing is desirable]. Paint shall be furnished in [white (37925), yellow (33538 or 33655), red (31136), black (37038), and pink (1 part red – 31136 to two parts white – 37925)] in accordance with Federal Standard Number 595. Black paint should be used to outline a border at least six inches wide around markings on all pavements. Black and red paints shall not contain glass beads.

Glass beads shall meet the requirements for Federal Specification TT-B-1325D, Type III. Glass beads shall be treated with all compatible coupling agents recommended by the manufacturers of the paint and reflective media to ensure adhesion and embedment. Designers shall include in the construction documents the requirement glass beads shall be installed in the first application of paint.