




STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J. ERIC BOYETTE
SECRETARY

DATE: July 7, 2021
TO: Division Engineers
FROM: J. Kevin Lacy, PE 
State Traffic Engineer
Director, Transportation Mobility & Safety Division
Subject: Non-Cast Iron Snowplowable Markers

Over the past few years, North Carolina Department of Transportation (NCDOT) has recognized the need to move away from the use of cast iron snowplowable pavement markers. Five years ago, the Transportation Mobility and Safety Division (TMSD) began to test multiple options to replace cast iron markers. At this time two alternatives to cast iron markers have been placed on our roadways and have performed well. These non-cast iron products are on NCDOT's Approved Products List (APL) at: <https://apps.ncdot.gov/vendor/approvedproducts/>.

TMSD is also testing options that are non-traditional markers. These options include inlaid raised pavement markers, inlaid pavement markings, and in lane rumble stripes. Although these non-traditional options are not proven at this point, they seem to work well and may be a future option.

Starting with the October 2021 project lettings, NCDOT will require that all snowplowable markers installed be of a non-cast iron makeup. The products currently available for use on these projects are listed on the NCDOT APL as Ennis Flint – Stimsonite Model 201 and Trinity Highway – Guide Lite.

If you have any questions concerning these products and or standards, please contact Signing and Delineation Standards Engineer Matt Springer at (919) 819-3148.

JKL/mvs:sh

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