

**From:** Silies, Don E.

**Sent:** Friday, July 16, 2010 1:49 PM

**To:** District Administrators

**Cc:** Khoury, Raymond J. 'Ray', P.E.; Kerley, Malcolm T., P.E.; Mirshahi, Mohammad, P.E.; Babish, Andy P.E.; Liston, Daniel R.; Motley, Dennis W.; District Construction Engineers; District Maintenance Engineers

**Subject:** Limited availability of some types of pavement marking materials

Over the past several weeks, the Chief Engineer and CO staff have met with affected members of our contracting community to discuss the limited availability of some types of pavement marking materials. This limited availability is expected to last through the end of the year. This memo is intended to supply guidance to the contract managers when the limited availability of the prescribed marking materials makes meeting the specifications impractical or in some cases impossible in the required timelines. I have attached a matrix that I believe captures most situations. The principles used to make the recommendation in the matrix do not compromise the safety of the motoring public, are as revenue neutral as possible, allow projects to stay on schedule, and promote uniformity across the state.

The recommendations in the matrix allow:

- The use of Type B Class III markings (Epoxy) in lieu of Type B Class I markings (Thermoplastic), as a no cost change, when thermoplastic is not available.
- The use of paints that are currently approved in other states for use as permanent marking material.
- The use of decreased application rates for temporary markings.
- The elimination of the edge lines on temporary markings under certain situations.
- Other measures that conserve the existing inventory of marking materials.

Also attached is a listing of Approved Type F Latex Paint Alternates dated July 13, 2010 that may be used as temporary or permanent pavement markings until December 31, 2010.

I think it is important to be consistent across the state, so if you have any questions regarding this matter or you have a situation that falls outside of this guidance, please contact Dan Liston or Dennis Motley.

I ask that you ensure that your staff members that manage contracts with pavement marking receive this notice.

*Don Silies*

State Contract Engineer

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## Guidance During Limited Availability of Pavement Marking Materials

July 13, 2010

*Effective until December 31, 2010*

	<b>Temporary Lite Markings</b> <i>Centerline, Skip, Gore</i>	<b>Temporary Lite Markings</b> <i>Edge</i>	<b>Permanent Markings</b> <i>Centerline, Skip, Gore</i>	<b>Permanent Markings</b> <i>Edge</i>
<b>New Pavement Projects</b>				
Less than 10,000 ADT Roadways	Between Lifts Options <ul style="list-style-type: none"> <li>• Type A or F Paint</li> <li>• 7-Mil thickness</li> <li>• 3lbs/Gallon Beads</li> <li>• 4" width</li> <li>• Max. 10 days</li>   <li>• Type D Const. Tape</li> <li>• Transitory Markers</li> </ul>	Between Lifts <ul style="list-style-type: none"> <li>• No Edge lines</li> <li>• Max. 10 days</li> </ul>	<ul style="list-style-type: none"> <li>• Type A or Type F with 15-Mil thickness, 6lbs/Gallon Beads, or</li> <li>• Thermo, or</li> <li>• Epoxy</li> <li>• 4" width</li> </ul>	<ul style="list-style-type: none"> <li>• Type A or Type F with 15-Mil thickness, 6lbs/Gallon Beads, or</li> <li>• Thermo, or</li> <li>• Epoxy</li> <li>• 4" width.</li> </ul>
More than 10,000 ADT Roadways	Between Lifts Options <ul style="list-style-type: none"> <li>• Type A or F Paint</li> <li>• 7-Mil thickness</li> <li>• 3lbs/Gallon Beads</li> <li>• 4" width</li> <li>• Max. 5 days</li>   <li>• Type D Const. Tape</li> <li>• Transitory Markers</li> </ul>	Between Lifts <ul style="list-style-type: none"> <li>• No Edge lines</li> <li>• Max. 5 days</li> </ul>	<ul style="list-style-type: none"> <li>• Type A or Type F with 15-Mil thickness, 6lbs/Gallon Beads, or</li> <li>• Thermo, or</li> <li>• Epoxy</li> <li>• 4" or 6" width</li> <li>• Pavement Markers, as appropriate</li> </ul>	<ul style="list-style-type: none"> <li>• Type A or Type F with 15-Mil thickness, 6lbs/Gallon Beads, or</li> <li>• Thermo, or</li> <li>• Epoxy</li> <li>• 4" width.</li> </ul>
<b>Re-Tracing Projects</b>				
Less than 6,000 ADT Roadways			<ul style="list-style-type: none"> <li>• Type A or Type F with 15-Mil thickness, 6lbs/Gallon Beads, or</li> <li>• Thermo, or</li> <li>• Epoxy</li> <li>• 4" width</li> </ul>	<ul style="list-style-type: none"> <li>• Do not re-trace Edge Lines until next cycle</li> <li>• Inspector to record &amp; report locations to Regions for next cycle prioritization.</li> </ul>
More than 6,000 ADT Roadways			<ul style="list-style-type: none"> <li>• Type A or Type F with 15-Mil thickness, 6lbs/Gallon Beads, or</li> <li>• Thermo, or</li> <li>• Epoxy</li> <li>• 4" width</li> <li>• Replace Pavement Markers, as appropriate</li> </ul>	<ul style="list-style-type: none"> <li>• Re-trace Edge Lines on higher volume, critical roads first.</li> <li>• Do not re-trace until next cycle if existing Edge Lines are visible, based on engineering judgment. Consult with RTE.</li> <li>• Inspector to record &amp; report locations to Regions for next cycle prioritization.</li> </ul>

### **Additional Guidance**

1. See Materials Division 2010 Paint Material Alternatives Guidelines for additional information. All marking materials used shall be those identified on the latest Materials Division Approved Products List.
2. The Chief Engineer has approved the interchange of Type B, Class I (Thermo) and Type B, Class III (Epoxy) materials on projects, depending on availability, at no additional cost to projects.
3. Eradication will not be required for removal of 7-Mil Temporary Lite Marking Paint prior to the application of Permanent Durable Thermo or Epoxy markings.

**Materials Division Supplement List #20 & #48  
Approved Type A & F Latex Paint Alternates - July 13, 2010**

The following paint products may be used as temporary or permanent pavement markings until December 31, 2010.

**Sherwin Williams Co.**

<b>Formula</b>	<b>Color</b>
TM2294 (MODOT)	White
TM2324 (VDOT)	White
TM2325 (VDOT)	Yellow
TM2352 (OHDOT)	White
TM2353 (OHDOT)	Yellow
TM2344 (MDDOT)	White
TM2345 (MDDOT)	Yellow
TM2382 (PADOT)	White
TM2383 (PADOT)	White
TM2320*	
TM2321*	

\* TM 2320 and TM 2321 are paints with modified resin content.  
Availability is subject to manufactured quantities.

**Ennis Paint, Inc.**

<b>Formula</b>	<b>Color</b>
984201 (TNDOT)	White
982221 (MIDOT)	White
982532 (MODOT)	Yellow
982521 (MODOT)	White
982531 (MODOT)	White
984601 (VADOT)	White
984602 (VADOT)	Yellow
983521 (OHDOT)	White
983522 (OHDOT)	Yellow
991015 (GADOT)	White
991022 (GADOT)	White
982021 (GADOT)	White
982022 (GADOT)	Yellow
991028 (GADOT)	Yellow
991022 (GADOT)	White
991027 (GADOT)	Yellow
991024 (GADOT)	White
991023 (GADOT)	White
989601 (NCDOT)	White
989602 (NCDOT)	Yellow
984801 (WVDOT)	White
984802 (WVDOT)	Yellow