

Roadway Visibility Direction

2008 Update

Pavement Marking Guidelines

These guidelines supercede Engineering Policy Guide 620 Pavement Marking – 2/14/08

General Guidelines

Marking Widths

Major Roads

- Six inches - all white long line markings, includes lane lines, edgelines and storage lines. All yellow edgelines
- Four inches - yellow markings used as centerlines.
- Twelve inches – gore markings

Minor Roads

- Four inches – standard width for all long line markings.
- Eight inches – gore markings.

Materials

Major Roads

- Second generation (standard) paint with type P beads in rumble strips
- High Build paint with wet reflective bead system on flat lines
- Type 2 tape to be installed inside the edgelines on major divided highways – statewide contract with 3M
 - All tape to be wet reflective.
 - Contrast tape used on concrete surfaces.

Minor Roads

- Second generation paint with type P beads.

Special Considerations

Major Roads

- Rumble strips to be used in accordance with EPG section 626.
- Contrast type markings to be used on the skips on concrete surfaces. For short sections of concrete pavement, such as less than 1000 feet, or bridge decks, contrast marking is not required.

Impacts

Existing Projects

- Need to change order existing epoxy and polyurea items
 - To 2nd generation (standard) paint for rumble strips
 - To wet reflective lines for “flat” lines.
 - Double drop system preferred.
 - Can use standard paint and type L beads if double drop not possible.
- Special considerations will be made for projects that already have the materials “on hand”.
- 3M tape installation contract on major roads skips to remain in place.

Project in the Design Process

- Need to change bid items and quantities to reflect change to “standard” paint for minor roads
- Wet reflective lines on major roads not in a rumble.
- 2nd generation(standard) paint in rumble strips
- Contrast markings on concrete surfaces. For short sections of concrete pavement, such as less than 1000 feet, or bridge decks, contrast marking is not required.
- 3M tape installation contract on major road skips remain in place.

Issues

Specifications

- Standard paint no longer in the standard specs. Will use a JSP until it can be put back in to 620 and 1048.
- Wet Reflective JSP
- Contrast JSP
- Standard paint JSP
- Restored and new bid items
 - 4 inch white paint
 - 4 inch yellow paint
 - 6 inch white wet reflective
 - 6 inch yellow wet reflective
 - 4 inch yellow wet reflective
 - contrast stripe
 - 6 inch white paint
 - 6 inch yellow paint

MoDOT Forces

Materials

Major Roads

- 2nd generation, standard, paint, up to 20 mil
- Type L beads
- Rumble strips may be striped with type PM beads

Minor Roads

- 2nd generation, standard, paint, 15 mil
- Type PM beads

Note: type P beads are installed by contractors, type PM beads are used by MoDOT forces.

Time Line

Major Roads

- Major roads that need to be striped will be completed by Memorial Day.
- Districts may need to relocate strippers to help neighbors meet deadline.
- There will be conference calls on Monday mornings to coordinate efforts.

Minor Roads

- Will be striped after Memorial Day as needed.