



Delaware Department of Transportation

Pavement Marking Presentation

BY: Larry Prince

Laying Out Unmarked Roadways

- Center of the Roadway!
- Passing or No Passing Zones?
- Call The Pavement Markings Section for Guidance!





Turn Lane Striping

- Dotted Skips shall be $\frac{1}{2}$ the length of the full width turn lane to taper!
- See figure 3B-7B on page 3B-12 In the DEL, M.U.T.C.D.





Striping Through Entrances

- When Striping through a entrance be sure to leave an adequate opening for vehicles to enter and exit.





Stop Bar Placement at RXR

- Stop Bars shall be placed a minimum of 15ft from the nearest track or a minimum of 8ft from the crossing gate or warning device.
- See page 8B-11 of the Delaware M.U.T.C.D.



Stop Bars

- All Stop Bars Shall be placed at a minimum of 4ft from the crosswalk.
- Stop bars Shall be placed a minimum of 40ft in advance of the nearest signal head at a signalized intersection.
- Stop Bars will no longer be placed at uncontrolled mid-block crosswalks.
- See page 3B-48, 49 of the Delaware M.U.T.C.D.



Yield Lines (A.K.A, Sharks Teeth)

- Yield lines should be used at a controlled oncoming left turn.
- Yield Lines should be used at a Right turn that has an adjacent painted Island.
- Yield Lines shall be placed a minimum of 4 FT from a Crosswalk.



Thermoplastic on Concrete

- We do **NOT** allow the use of Thermoplastic on Concrete.
- We Recommend the use of Preformed Tape for all Intersection markings on concrete.



3 WEEK OLD THERMOPLASTIC ON CONCRETE



7 Month old Thermoplastic on Concrete?



Speed Hump Markings

- Speed humps shall be marked as this photograph shows. Other types of markings are not acceptable.
- See Page 3B-75, 76 of the Delaware M.U.T.C.D.



MUTCD - Figure 3B-29/30



Lane drop Arrows

- Standard 9.5ft Straight Arrows can not be used as lane drop arrows as you can see in this picture.
- See Page 3B-59 of the Delaware M.U.T.C.D for Guidance.



Crosswalk Striping

- The minimum width of a crosswalk shall be 6ft. Crosswalks that are installed less than 6ft in width are not acceptable.
- See figure 3B-16 on page 3B-53 of the Delaware M.U.T.C.D.



Epoxy Pavement Markings

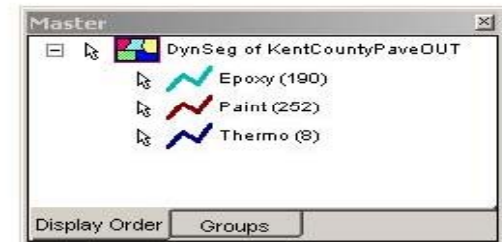
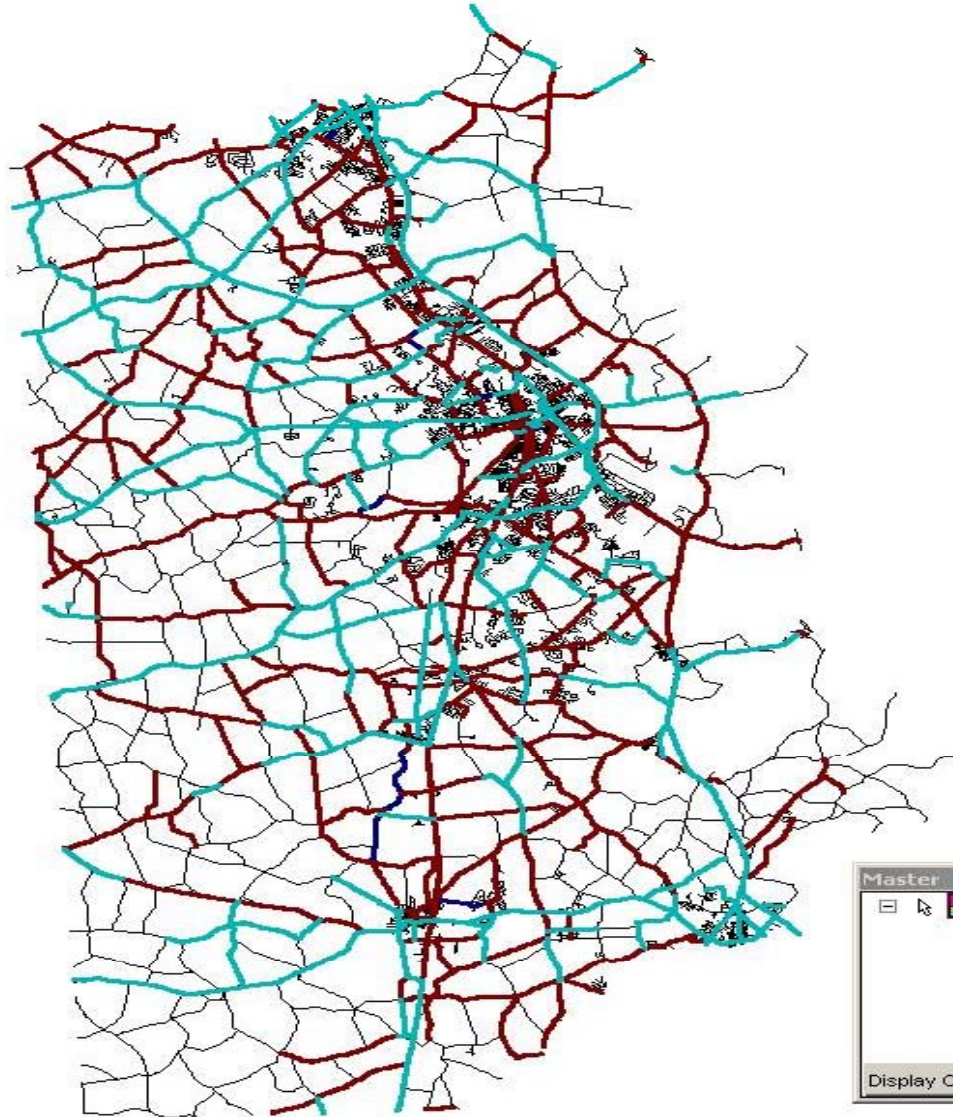
- All Epoxy pavement markings shall be coned to protect the line at all times. There will be no exceptions.
- The Striping Contractor is responsible for protecting the markings at all times.
- See Part 6 of the Delaware M.U.T.C.D



WHY MATCH EXISTING STRIPING

- To Save Money!
- How do we know if the existing striping is Epoxy? Paint? Tape? Thermoplastic?
- Raised Pavement Markers?
- Roadway Surface - Asphalt? Concrete?
- All of this will be at your finger tips!
- We are in the process of putting together a Pavement Marking Training class for the end of March.

GeoMedi



Resource and Contact Information

- The Delaware M.U.T.C.D can be located on line by going to www.deldot.gov and typing MUTCD into the search.
- You may also contact the pavement markings section by calling the numbers below.
- Larry Prince – 302-760-2589
- Nick Mogle – 302-760-2588
- Pavement Markings Inspection – 302-760-2590
- Richard Toulson, Chief Safety Officer
- 302-659-4072