



3-10-1 Pavement Marking Material Selection Policy

September 2023

PURPOSE

Uniformity in the application of pavement markings materials on state highways is very important because it will provide for consistency of motorist expectations, which can enhance traffic safety. Consistency of application will result in the most efficient usage of dollars (both for projects and maintenance) for pavement markings. In turn, this will lead to a sustainable pavement marking program that will provide effective pavement markings to address the needs of motorists at the most economical cost.

This policy provides direction on what types of pavement marking materials are used on the different types of roadways.

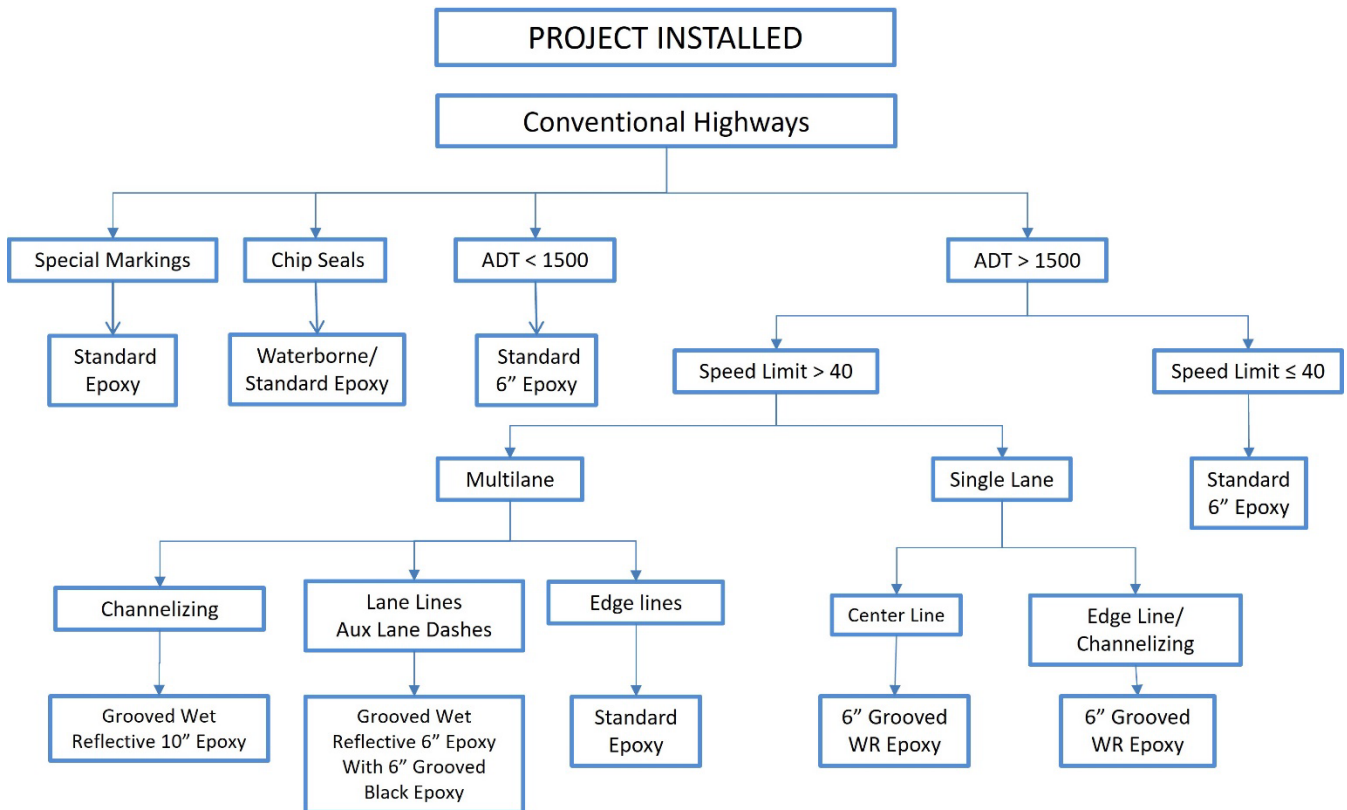
It is recognized that there may be times where unique situations could necessitate a deviation from this policy. Unique locations or non-standard markings **shall** be discussed with the Regional Traffic Signing and Marking Engineer prior to including such markings in contract plans.

Any pavement marking material usage requests that are not on the Department's Approved Products List **shall** be reviewed and approved by the Bureau of Traffic Operations prior to usage. Any shortages of pavement marking materials or vendors requesting usage of new products **shall** be referred to the Bureau of Traffic Operations.

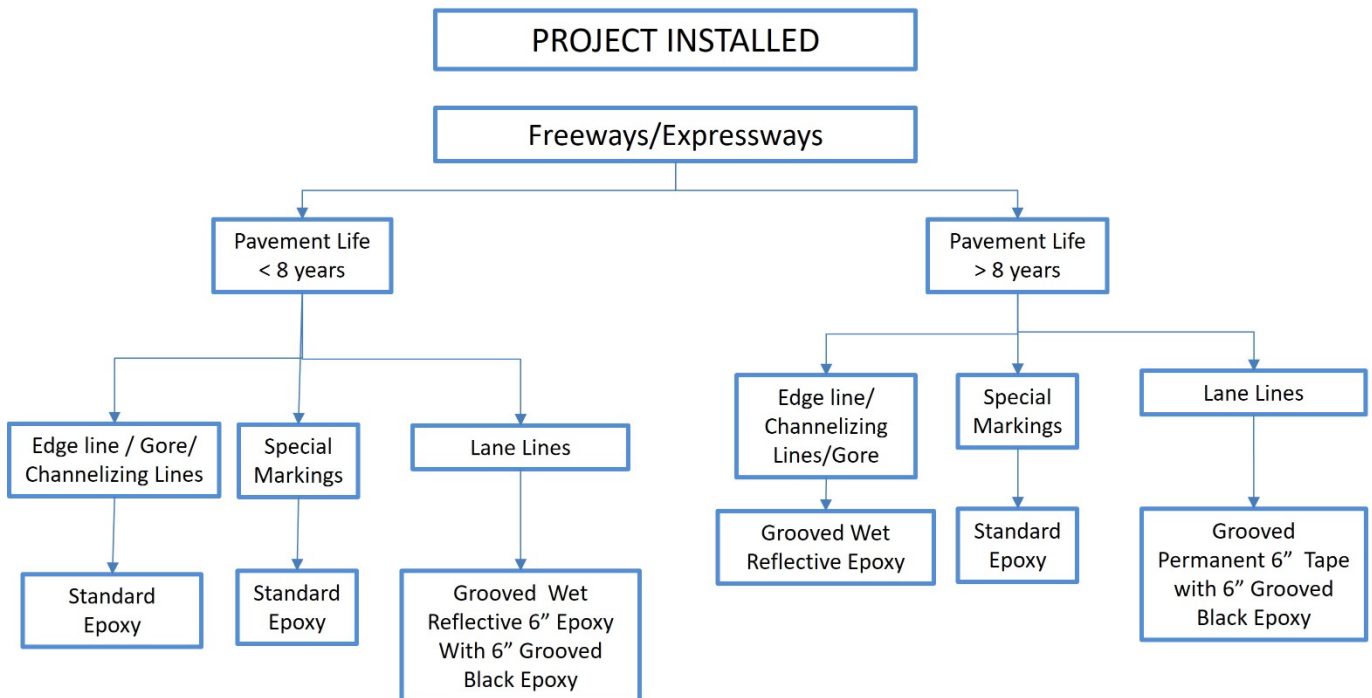
POLICY

The type of pavement marking material used on state highways is provided below in the flow charts. The flow charts are for project installed pavement markings and maintenance installed pavement markings. These charts **shall** be utilized when making the decision to select the proper pavement marking material for the roadway.

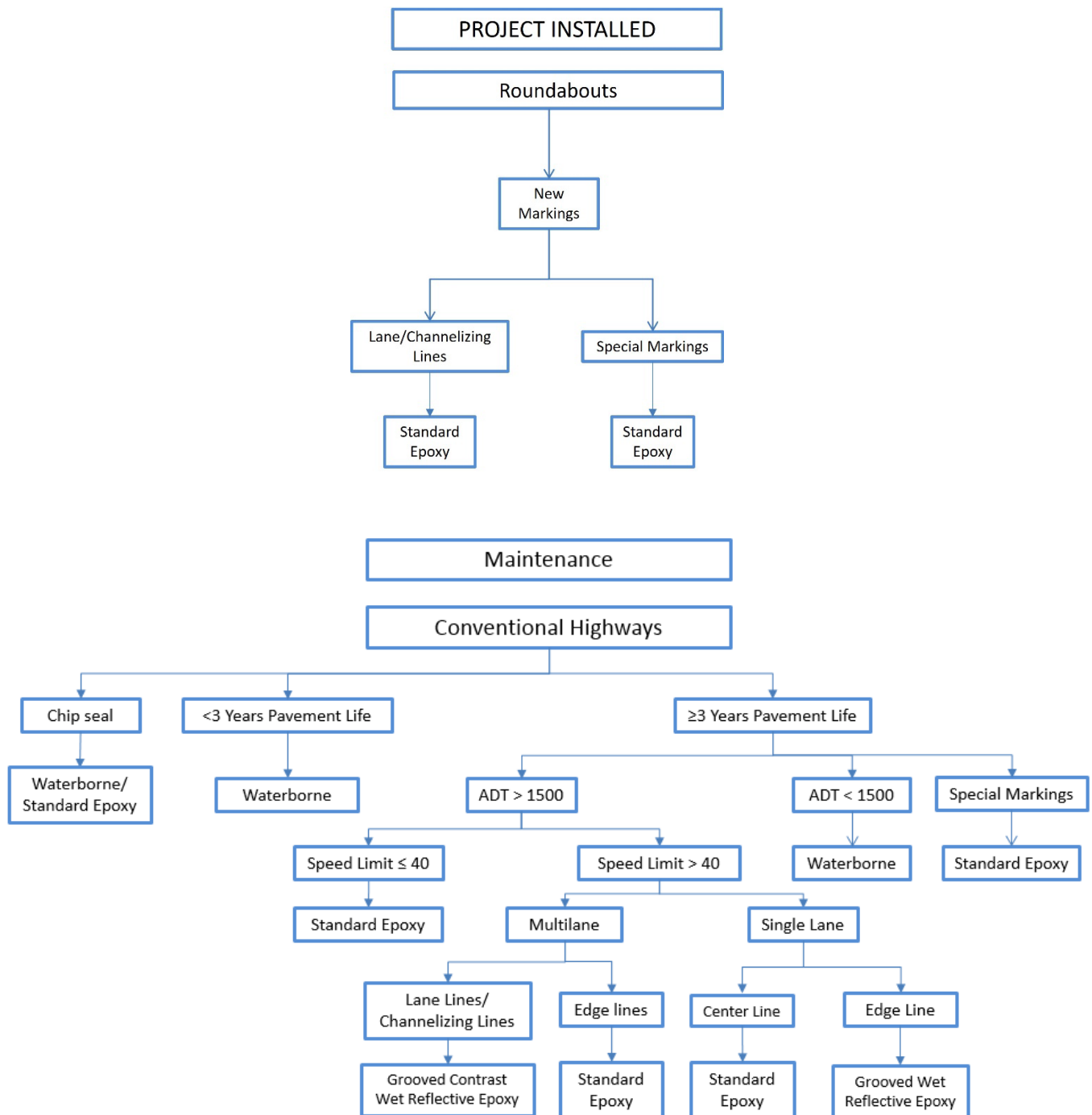
- When utilizing the flow charts, the following criteria shall be kept in mind: If a contrast epoxy product already exists, retrace only the white portion of the epoxy unless the black aggregate is visually missing.
- Grooved Wet Reflective Epoxy **shall** only be remarked in kind, if an existing groove has maintained adequate depth.
- If preformed thermoplastic is present, remove preformed thermoplastic markings and replace with a product listed on the associated flow chart. Retracing preformed thermoplastic is **NOT** permitted.
- If tape is present and still bonding, retrace marking with a product listed on the flow chart product. However, if the tape product is failing, remove tape and replace with epoxy.



Use the appropriate ADT section for overlay projects.

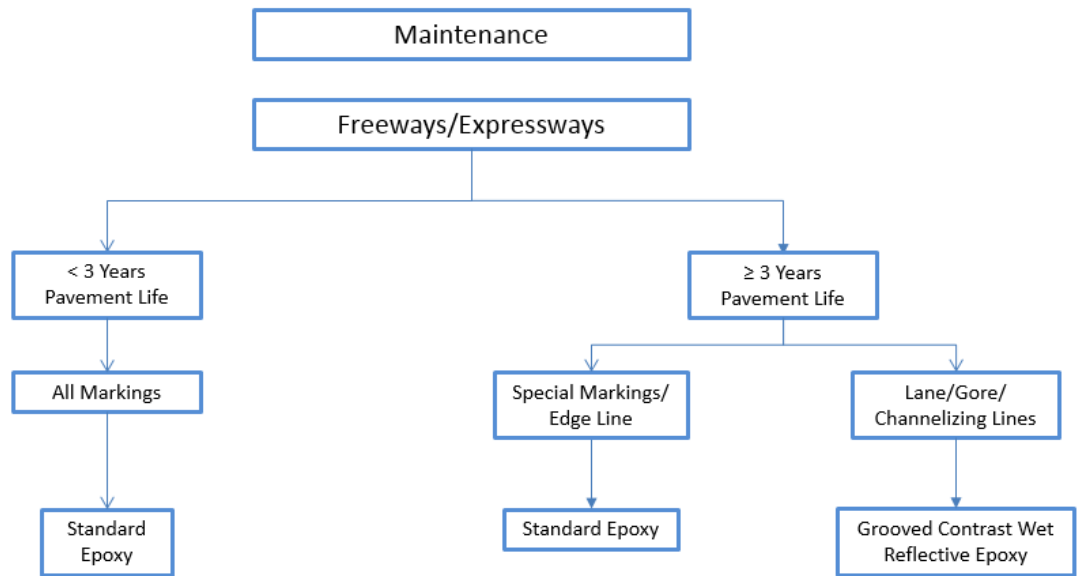


*Use Standard Epoxy if a groove is not present on non-pavement projects. Contact your region traffic engineer on what product to use on ramps.



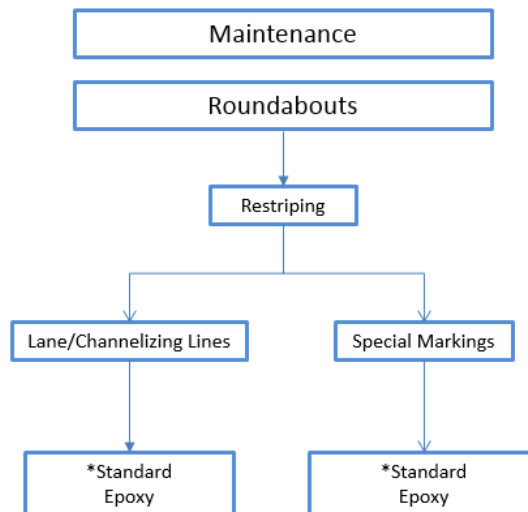
NOTE:

- In areas where there is no groove, marking would be standard epoxy or waterborne.
- Where contrast epoxy already exists, retrace only the epoxy, not the contrast marking unless visually missing.
- Grooved Epoxy: Remarkings within the existing groove, unless material is failing, then consider re-grooving.
- If thermoplastic is present, remove thermoplastic markings and replace with the correct product listed above. Retracing thermoplastic is NOT permitted.
- If tape is present and still bonding, retrace marking with the correct product listed above. If tape product is failing, remove tape and replace with epoxy.



NOTE:

- In areas where there is no groove, marking would be surface applied and not wet reflective.
- Where contrast epoxy already exists, retrace only the epoxy, not the contrast marking unless visually missing.
- Grooved Epoxy: Remark within the existing groove, unless material is failing, then consider re-grooving.
- If thermoplastic is present, remove thermoplastic markings and replace with the correct product listed above. Retracing thermoplastic is NOT permitted.
- If tape is present and still bonding, retrace marking with the correct product listed above. If tape product is failing, remove tape and replace with epoxy.



NOTE:

- Where contrast epoxy already exists, retrace only the epoxy, not the contrast marking unless visually missing.
- Grooved Epoxy: Remark within the existing groove, unless material is failing, then consider re-grooving.
- If thermoplastic is present, remove thermoplastic markings and replace with the correct product listed above. Retracing thermoplastic is NOT permitted.
- If tape is present and still bonding, retrace marking with the correct product listed above. If tape product is failing, remove tape and replace with epoxy.