

ALABAMA DEPARTMENT OF TRANSPORTATION
PROCEDURE FOR EVALUATION AND MAINTENANCE OF

LIST V-4

PERMANENT TRAFFIC MARKING MATERIALS AND PRODUCERS

1. **Material:** Traffic paint, thermoplastic, tapes, glass beads, warranted traffic marking materials, and other permanent traffic marking materials; and Certified Traffic Marking Producers.
2. **Specification:** Sections 701, 703, and 856, ALDOT Procedure 420.
3. **Jurisdiction:** Product Evaluation Board, Chemical Section.
4. **Job Acceptance Requirements:** AS&T samples to be taken at the project level for verification. Project engineer must verify batch numbers and BMT-178.
5. **Project Engineer's Responsibility:** Check and assure that the materials are on the approved list. All batches must be accompanied by a BMT-178 before placement on projects.
6. **Producer's Initial Requirements:**

Certified Traffic Marking Material Producers: All Producers and products for acceptance on this list shall participate in and meet all requirements of ALDOT-420, Acceptance Program for Traffic Marking Materials.

Warranted Materials: Acceptance for these products for this list will also require the vendor to warrant the material in accordance with the requirements of Attachment 1 to List V-4.

Producers wishing to have products evaluated for placement on this list for Permanent Traffic Marking Materials (with the exception of Class 1H, Class 2, Class 2T, and Warranted Materials, see paragraph 6.1) should contact the American Association of State Highway and Transportation Officials (AASHTO) Product Evaluation & Audit Solutions (formerly National Transportation Product Evaluation Program (NTPEP)):

**555 12th Street NW, Suite 1000
Washington, D.C. 20004
(202) 624-5800
<https://transportation.org/product-evaluation-and-audit-solutions/>
-or-
Search: "AASHTO Product Evaluation and Audit Solutions"**

Initial laboratory testing requirements will also be as given in paragraph 8.
7. **Producer's Maintenance Requirements:** Producers with products on this list will be expected to comply with the following to stay on the list:
 - 7.1 Participate and remain in compliance with the requirements of ALDOT Procedure 420.
 - 7.2 Produce the same quality of material as the material supplied for the original evaluation.
 - 7.3 Provide only approved products to Department projects.
 - 7.4 Promptly report to the Department any changes in company name, product name, company address or company ownership. Promptly report any changes in product production or any other alteration that will change the product physically or chemically. Such changes will require a product re-evaluation.
 - 7.5 Furnish the Department's Chemical Section a current full analysis, BMT-178, and BMT-180 for each batch and/or lot of traffic marking material shipped to state projects each week and also one verification sample per week. All batches shall be marked according to Department specifications and procedures. Each producer is expected to have Permanent Traffic Marking Materials on this list retested at AASHTO at 5-year intervals from the time it is approved.
 - 7.6 Producers of products on list V-4 will be contacted at 3 year intervals for up-date information on products. Products that are no longer manufactured or products that no longer meet specifications will be removed from List V-4 and the producer will be required to reapply to the Product Evaluation Board for reinstatement to this List.
 - 7.7
 - 7.8
8. **Laboratory Testing:** The Department will check all batches to assure that they are close to the formulation of the material originally tested by AASHTO for Permanent Traffic Marking Materials. Class 1H, Class 2 (to include Preformed Class 2), and Class 2T materials shall meet the specifications given in Section 701 and 856 of the Standard Specifications for Highway Construction and must also participate in ALDOT Procedure 420. Batches must be within the following before shipment will be permitted:
 - 8.1 **Paint:** Class 1
 - 8.2 **Tape:** Traffic marking tape shall participate in ALDOT-420, Acceptance Program for Traffic Marking Materials and shall meet the requirements given in Sections 701, 703, and 856.
 - 8.3 **Preformed:** Preformed traffic markings shall meet the requirements given in Sections 701, 703, and 856.
 - 8.4 **Glass Beads:** Glass beads shall participate in ALDOT-420, Acceptance Program For Traffic Marking Materials, and shall meet the Requirements given in Section 701, 703 and 856.
9. **Field Test and Evaluation:** The Department will use test data from AASHTO and laboratory test data (paragraph 8) to decide which products are placed on this list. The test data

furnished by NTPEP will be reduced from the annual summary as follows:

- 9.1 The Department will use only the most recent AASHTO product data available from the wheel path during the 12th month of the test in the evaluation for all classes of Permanent Pavement Marking Materials, except Class 2 preformed, of Permanent Pavement Marking Materials. Initial retroreflectivity will be used in the evaluation of Class 2 preformed materials.
- 9.2 The Department will use the color box as given in Standard Specifications section 856.03 during the 12th month of the test to determine if the most recent AASHTO product data available meets color requirements.
- 9.3 The initial retroreflectivity from the most recent AASHTO test deck product data shall meet the following requirement for Class 2 preformed thermoplastic:
200 mcd/lux/m² for white and 150 mcd/lux/m² for yellow pavement marking material.
10. **Contractors' Requirements:** The prime contractor will be responsible for purchasing and using only approved products. The prime contractor shall be responsible for using only an approved Certified Traffic Marking Material.
11. **Removal of Products:** Products may be removed from this list for any of the following:
 - 11.1 Mislabeling products or substitution of products other than those originally submitted.
 - 11.2 Failure to meet the Department's requirements for this type of material.
 - 11.3 Failure to work satisfactorily on the job.
12. **Correspondence:** All correspondence concerning this list should be directed to the following:

Product Evaluation Board
Alabama Department of Transportation
3704 Fairground Road
Montgomery, AL 36110