

ALABAMA DEPARTMENT OF TRANSPORTATION
SPECIFICATIONS FOR LARGE GLASS BEADS
MBS 8-25-94 REV 2

Large Glass Beads. The beads shall be transparent, clean, colorless glass, smooth and spherically shaped, free from milkiness, pits, or excessive air bubbles and conform to the specific requirements for the class designated. The beads shall be non-flotation, embedment coated and conform to the following specific requirements.

TABLE 1

<u>U.S. Standard Sieve No.</u>	<u>% RETAINED</u>
12	0
14	0-5
16	5-20
18	40-80
20	10-40
25	0-5
Pan	0-2

Roundness. The beads shall have a minimum of 80 percent rounds per screen for the two (2) highest sieve quantities. The remaining sieve fractions shall be no less than 75 percent rounds.

Angular Particles & Refractive Index. The beads shall have no more than three (3) percent angular particles per screen. The beads shall have a refractive index of 1.50 to 1.52.

Packing and Marking. The beads shall be packaged in 50 to 90 lb. moisture proofed bags.¹ Each bag shall be stamped with the following information: name and address of manufacturer, shipping point, trademark or name, the wording "Large Glass Beads", class, weight, lot number and the month and year of manufacturer.

Acceptance Procedures. The manufacturer shall furnish the Alabama Department of Transportation Central Laboratory three copies of the certified test report(s) showing results of all required tests and certification that the material meets the specifications. (Acceptance sampling and testing of glass beads will be in accordance with Alabama Department of Transportation Sampling and Testing Procedures and Appendix A.)

²NOTICE: SPECIAL REQUIREMENTS

The successful bidder for large glass beads will be responsible for:

Retrofit and modify striping equipment in any of nine requesting Divisions (including replacement of bead guns and modifications of plumbing, etc.) necessary to achieve the manufacturer's required rate of beads per gallon of paint. Provide competent technical personnel for a period of at least 30 calendar days after receipt of purchase order or until modification of equipment is completed in each requesting Division. At the option of the State, any equipment supplied as a result of an Annual State Contract and these specifications will remain in the possession of the State until such time the successful bidder's bead product is depleted from respective State Division's inventory. Bead guns supplied by the successful bidder will remain the property of the bidder subject to these Specifications. All Special Requirements, mentioned herein and part of these Specifications, will be a subsidiary obligation of the successful bidder without additional cost to the State.

¹Rev. 1 – 11-19-98

²Rev. 2 – 12-15-99