

CITY OF WICHITA

**SPECIFICATIONS
FOR
GLASS BEADS FOR TRAFFIC LINE PAINT**

The following specifications shall apply to purchase of GLASS BEADS FOR TRAFFIC LINE PAINT for the City of Wichita. The City reserves the right to waive minor technicalities under this Specification.

1.0 DESCRIPTION

This specification covers glass beads to be applied on 12-15 mils of wet water-borne traffic paint. The beads shall be coated to provide proper embedment into the water-borne paint. The beads shall be transparent, clean, colorless, smooth and spherically shaped, free of milkiness, pits, or excessive air bubbles and conform to the following specific requirements.

The beads shall be designated as: Type A - Standard Clear.

2.0 REQUIREMENTS

2.1 Size:

Passing a No. 20 sieve	100%
Passing a No. 30 sieve	75-88%
Passing a No. 40 sieve	40-50%
Passing a No. 50 sieve	10-25%
Passing a No. 80 sieve	0-3%

2.2 Imperfect Beads: Not more than 30 percent of the beads shall be imperfect. (See Subsection 3.2).

2.3 Moisture Resistance: Beads shall pass the "Free Flow Test." (See Subsection 3.3).

2.4 Index of Refraction: The beads shall have a minimum index of refraction of 1.50 when tested by the oil immersion method under tungsten light at 25° C.

2.5 Bead Embedment: A minimum of 90% of the beads shall be embedded between 40% and 60%. (See Subsection 3.4).

2.6 Embedment Coating: The beads shall be coated to provide proper embedment performance. (See Subsection 3.5).