



## CONSTRUCTION BULLETIN 23-01

TO: Jennifer Toth, Director  
Gregory Byers, Deputy Director for Transportation/State Engineer  
Steve Boschen, Division Director, Infrastructure Delivery and Operations  
Brent Cain, Division Director, TSMO  
Robert J. Samour, Division Director, Alternative Delivery and Major Projects  
Audra Merrick, Deputy State Engineer, Project Delivery  
Barry Crockett, Deputy State Engineer, Contracts  
Matt Moul, Deputy State Engineer, Operations  
James Windsor, Deputy Division Director, TSMO  
Thomas Deitering, FHWA  
District Engineers and Administrators  
Assistant District Engineers  
Resident Engineers

FROM: William P. Fay, State Construction Engineer

DATE: September 20, 2023

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## Use of Glass Beads During Shortages On ADOT Construction Projects

### Purpose

Provide guidance on the handling or substitution of alternative materials (Type 2 glass beads) where the specified materials (Type 3 glass beads) in thermoplastic pavement marking materials are unavailable.

### Background

ADOT Materials Group has provided a new Materials Bulletin addressing a nationwide glass bead shortage of the Type 3 Glass beads used in Thermoplastic pavement markings. Standard Specifications 704 THERMOPLASTIC PAVEMENT MARKINGS and 708 WATERBORNE PAVEMENT MARKINGS will both be affected if Type 3 beads become unavailable. To prevent inconsistent project results or project delays this Construction Bulletin outlines the process to address contract changes involving Type 3 glass bead shortages.

On September 19th, 2023, ADOT Materials Group published Materials Bulletin 23-01 explaining and addressing the current shortage of Type 3 beads and evaluated potential uses of Type 2 beads. ADOT Materials Bulletin 23-01 is adopted herein by reference.

### Process

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It remains the responsibility of the contractor to build and stripe the roadway as designed, including where Type 3 glass beads are specified.

In the event the manufacturer or supplier notifies the contractor that Type 3 beads are not available for an individual project, the contractor may request the engineer to substitute Type 2 beads. If such substitution is allowed, it will be done according to the process outlined in Materials Bulletin 23-01, and documented with a procedural change order. Quantities of the type of beads or other elements may need to be adjusted by the contractor to meet the original performance standards in the Specifications.