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## **1040 HIGH FRICTION SURFACE TREATMENTS**

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High Friction Surface Treatment (HFST) is a site-specific application of special durable aggregates using a binder of engineered resin or polymer. The purpose is to provide a high-durability surface with a relatively high coefficient of friction. This can assist in reducing roadway crashes in areas where wet weather conditions or roadway geometry may affect the friction coefficient between a tire and the road surface.

Locations for consideration of HFST are identified by the Traffic Safety Section (TSS). District Engineers or Regional Traffic Engineers may recommend locations for evaluation by TSS. Implementation of HFST should be coordinated with the Pavement Preservation program and other projects within the 5-year Statewide Transportation Improvement Program (STIP). Locations that are identified for HFST that are not within or in close proximity to the limits of an upcoming pavement preservation or other ADOT project should be developed as standalone HFST projects that may be combined with other HFST locations within reasonable geographic proximity. HFST may be combined with other treatments or countermeasures, such as those listed in TGP 270.

If used, HFST should be installed on the tangent roadway approach in addition to the extent of the horizontal curve to increase the friction coefficient prior to the curve, with the length of the treatment on the tangent to be determined as part of the design.