

**First-Round Winner**

Innovations Challenge  
<http://wwwi/intranet/cr/SolutionsAtWork/Innovations.htm>

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Prepared by Customer Relations  
Missouri Department of Transportation

**High-Friction Surface Treatment**



**Description**

This treatment consists of a thin layer of an epoxy polymer binder which is applied to the pavement and a fine aggregate gradation of crushed calcite bauxite spread over the epoxy binder. The treatment was used on the eastbound and westbound lanes on Route 54 at the Madison Street exit in Jefferson City to repair aggregate polishing in the pavement.

**Benefit**

The HFST was developed because of numerous wet pavement and skidding accidents. After the high-quality treatment repaired the pavement, nearly all skidding accidents have been eliminated. This treatment can be used statewide on highways that have similar aggregate polishing issues.

**For More Information:**

Contact Bruce Green at [bruce.green@modot.mo.gov](mailto:bruce.green@modot.mo.gov) or (573-751-7688).

Additional photos can be seen at the Innovations Challenge homepage: <http://wwwi/intranet/cr/SolutionsAtWork/Innovations.htm>