



# Install a High-Friction Surface Treatment on the Intersection Approach

*Application of epoxy and aggregate combination to pavement to increase the surface friction of the roadway.*



Source: FHWA

Above is a close-up view of a typical aggregate used in high-friction surface treatments.

## Targeted Crash Types

- Right-angle
- Rear-end (major road)
- Rear-end (minor road)

## Problems Addressed

- Non-compliance with intersection traffic control devices

## Conditions Addressed

- Crash history related to skidding vehicles and/or wet-weather crashes.
- Observed braking difficulties during wet conditions.
- High-speed approaches.

## Considerations

- Length of treated section will depend on sight distance, queue lengths, and approach speed.
- Pavement markings will need to be reapplied after surface friction treatment is applied.

## Other Resources

[Low-Cost Safety Enhancements for Stop-Controlled and Signalized Intersections, FHWA](#)

[A Road Surface Treatment for Critical Safety Spot Locations that Helps Vehicles Stay in Their Lane, FHWA](#)

