

## MULTIPLE COUNTY ROADS CALIFORNIA

Placer County Department of Public Works  
Automated High Friction Surfacing Treatment

Placer County applied for and was awarded a Highway Safety Improvement Program (HSIP) grant by Caltrans to treat 26 locations on horizontal curves where off-road skidding incidents are known to occur.

Through several different treatments including new road markings, chevrons and speed advisory signs being put in place, these measures helped but did not solve the issues.

The county consulted with Caltrans for advice on safety-related systems they have implemented with a long-term track record of success. HFST was immediately highlighted as being the number one choice.

HFST is being deployed in California statewide on locations with a skid-related crash history.

### Project Highlights

Placer County is a relatively rural county located outside of Sacramento. Even with strict building and development codes to control growth, the county population has expanded, putting a burden on the highway system.

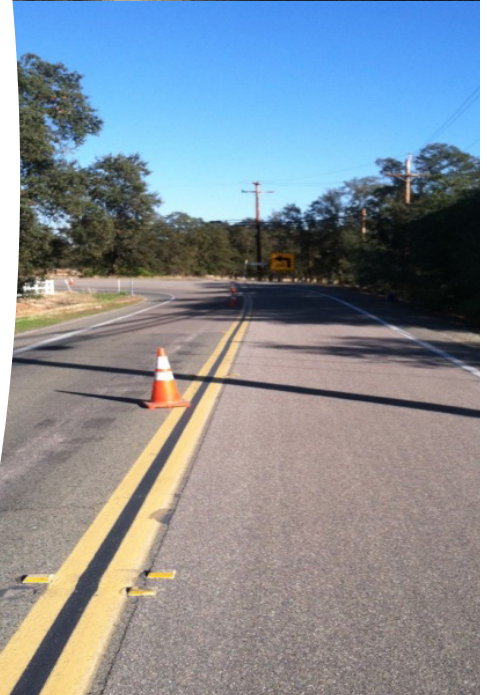
Traffic is a major concern because the county roads were not designed for the increase in both passenger and delivery vehicles.

### Relevant Experience Gained

- Treated two lanes of heavily trafficked roadway with a durable process high friction surfacing treatment.
- Worked within a restrictive timeframe, reducing the inconvenience to the daily commuters and residents from accessing their properties.

### Value to Customer

- The FHWA reported a 100% reduction in crashes at 25 locations (the remaining location is reporting a slightly lower reduction due to an engineering issue with the highway camber).
- Highlighted by Caltrans as the number one low cost safety countermeasure.
- HFST is classified by the Federal Highway Administration as a low-cost safety countermeasure.
- Fully-automated, specification compliant application trucks.
- Safe, predictable, fast and continuous application.



High Friction Surfacing Treatments are eligible for federal and state funding through HSIP (Highway Safety Improvement Programs)