



US-20; Sheep Falls Road to Pine Haven Drive

Fremont County, ID

APPLICATION:

Growing traffic demands and deteriorating pavement conditions required that pavement improvements be made.

SITE CONDITIONS AND CHALLENGES:

Project is along a major transportation corridor for Eastern Idaho, being the main access route to West Yellowstone. Pavement conditions needed to be improved, and significant transverse, longitudinal and some alligator cracking needed to be addressed. Budget and time constraints were a concern.

SOLUTION/DESIGN:

A Glasgrid 8511TF reinforced overlay was utilized to improve the long term performance of the overlay and slow down reflective cracking.



PERFORMANCE:

Pavement section was installed quickly. The Glasgrid 8511TF provides significant reinforcement at very low strains. With a strength of 392 lbs/in (4,704 lbs/ft) at only 2% strain, and 560 lbs/in (6,720 lbs/ft) at only 3% strain, reflective cracking is delayed. The 100% polymer tack film provides better performance and provides many benefits over traditional tack coats such as uneven coverage, curing time requirements, VOC's and emissions, and tracking of tack coat onto existing clean pavement surfaces.

Seven Year Follow-up:

After 7 years of traffic and severe temperature fluctuations, ranging from lows around -40 degrees F to highs around 90 degrees F in the Summer, this section of US-20 is performing well as shown in the photo below.



PROJECT HIGHLIGHTS

Installation Date: 2012
Product: Glasgrid 8511TF
Quantity: 115,000 sy
Engineer: ITD



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