

Project Profile

General Project Information

Project Location: 24th St, Ogden, Utah
Date Placed: 2002
Traffic: 6,900,000 20-year ESALs



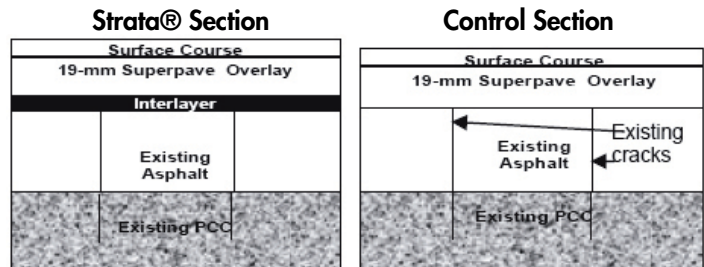
Before

Existing Surface Condition

Pavement: Composite: 5.5" of PCC, 6" of asphalt
Condition: Poor to fair, medium to high severity transverse cracks.
Surface Preparation: Widening, new curb & cutter, surface milled to achieve 2 percent crossslope and level-up course applied to provide a uniform surface.

Strata® and Control Cross-Sections

Interlayer thickness: 1" on Strata® Section
Overlay: 1.2" plant mix seal coat (open-graded friction course)
 3" 19-mm Superpave Mix
Overlay PG used: PG 64-34



Photos

Prepared Surface before Construction

Construction

The Interlayer Before Overlays



Performance Data

The Utah Technology Transfer (T2 center) was asked to document the construction process and provide annual field evaluations over a period of seven years. The ambitious test plan includes a base map of the new roadway alignment using Global Positioning System technology, a map of the existing cracks, digital photographs and exhaustive data of every crack and pothole surveyed, core samples after the interlayer (and before overlay), field notes and photographs taken during construction. The yearly assessments will include a condition survey with surface evaluation and a traffic evaluation. These will document the performance of both the interlayer and the HMA overlays. The construction, quality control tests and core evaluation met all criteria. The one- and two-year evaluations showed no significant cracking in any sections. The photo shows the project after the 2nd winter. The Utah T2 center has a project report on its website at <http://www.utaht2.usu.edu>.



After 2nd Winter

For more information about the Strata® reflective crack relief system or other solutions to your paving needs, contact your local Road Science™ representative.

