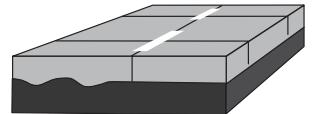


Targeted Overlay Pavement Solutions (TOPS)

Targeted overlays fit the treatment to the condition of the existing pavement.

Unbonded Concrete on Asphalt



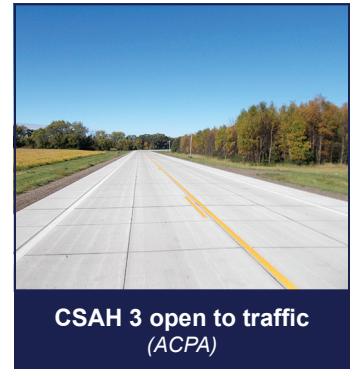
Minnesota

A 6.4-mile-long unbonded concrete overlay was placed on County State-Aid Highway 3 (CSAH 3) in McLeod County, Minnesota, approximately 60 miles west of the Twin Cities. CSAH 3 is a major collector and a primary connection between the city of Glencoe and Trunk Highway 15 (TH 15) to the west; the road services many farm-to-market haulers. Additionally, CSAH 3 features several horizontal curves.

The existing bituminous roadway was 24 feet wide with 8-foot-wide aggregate shoulders. **The overlay project involved milling the existing 9-inch asphalt pavement to a designed profile and cross slope to improve the ride and correct deficient superelevation transitions** associated with the existing horizontal curves. The concrete overlay design consisted of 6 inches of undoweled plain concrete jointed in 6-by-6-foot panels with a tied shoulder, all of which was placed in a single 32-foot-wide operation.



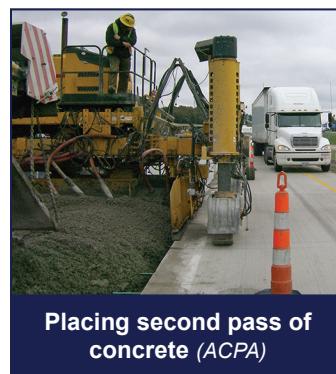
Placing concrete on milled surface (ACPA)



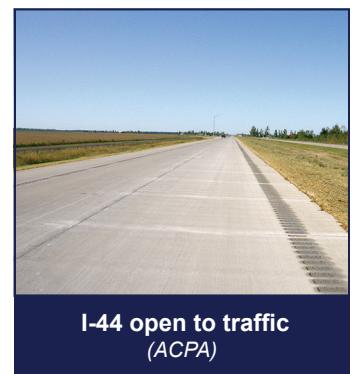
CSAH 3 open to traffic (ACPA)

Missouri

A 9-mile stretch of I-44 near Rolla, Missouri, part of the main connector between the Lake of the Ozarks and St. Louis, was in need of resurfacing. With the Lake of the Ozarks being a major recreation and vacation destination, construction-related traffic delays were a major concern; therefore, the contract specified 90 calendar days for completion. Two miles of the project involved milling 11 inches of the existing asphalt pavement and inlaying an 11-inch concrete overlay. Seven miles of the project involved placing an 8-inch unbonded concrete overlay using a geotextile fabric as the separation layer. **The contractor paved 219,137 square yards of concrete in 47 days and turned over the project to the State in 66 days.**



Placing second pass of concrete (ACPA)



I-44 open to traffic (ACPA)

[Visit our website](#) for more information on Targeted Overlay Pavement Solutions.

Concrete Materials

Sam Tyson

FHWA Office of Preconstruction, Construction, and Pavements
(202) 366-1326

Sam.Tyson@dot.gov

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