

# CONCRETE PAVEMENT

## PROJECT REPORT



### Project: Ann Arbor-Saline Rd. and Pleasant Lake Rd.

Site: Washtenaw County

#### Project

Description: Cold-mill existing permanent deformations (rutting, shoving) in failed pavement area to depth 4 inches below existing surface on Eastbound left turn/through lane approach of Pleasant Lake Rd. with the intersection of Ann Arbor-Saline Rd. Replace with 267 ft. x 13.5 ft. or approximately 399 syd of 4 in PCC pavement (ultra-thin) bonded to the existing asphalt pavement to create or composite pavement section.

Owner: Washtenaw County  
Road Commission

Contractor: Doan Construction

Special  
Feature: Ultra-thin Whitetopping



## Concrete Overlays

### Ann Arbor-Saline Rd. and Pleasant Lake Rd. Washtenaw County

Over the years, Washtenaw County saw ever-increasing traffic as the county grew, and the roads were paying for it. In particular, the corner of Ann Arbor-Saline Road and Pleasant Lake Road received heavy and constant traffic, causing need for repair every few months.

The intersection received an asphalt facelift in May 1997, but by late summer, one turn lane was already rutted and in dire need of repair. On Friday, Oct. 17, road crews milled the lane down several inches, and paved it the following day with 4 inches of concrete whitetopping. By Monday morning, Oct. 19, the two roads and the corner they share were again safely and comfortably carrying the motoring public.

“With the use of asphalt, there was continuous rutting and shoving. But the new concrete whitetopping has given us what we wanted, strength-wise,” said Dave Dykman, design engineering supervisor for Washtenaw County.

Mike Bernbeck, project engineer for Washtenaw County, added, “with the help of Doan Construction and the Michigan Concrete Paving Association, the project was successfully completed over a weekend.”

Whitetopping is a composite pavement in which the concrete and asphalt bond together. This design uses asphalt as the support underneath and concrete as the road’s surface. “Whitetopping won’t rut or shove under the traffic’s wear and tear,” said Bob Risser, executive director of the MCPA.

According to Risser, there have been hundreds of repairs built in the U.S. using the whitetopping design. The corner of Ann Arbor-Saline Road and Pleasant Lake Road was the third whitetopping project in Michigan, following successful projects in Traverse City and Detroit.