

# SAVE MY ROAD

**Problem:** Surface cracking

**Solution:** Ultra thin lift overlay

## Success Story: Ultra Thin Lift Overlay

The Tennessee Department of Transportation (TDOT) determined that a stretch of State Route 63 in Claiborne County had become severely distressed. As a means of standardizing repairs, TDOT employs the Pavement Quality Index (PQI) to determine road quality. The scale runs from 0 to 5, with 5 being the highest stage of road quality. A length of 4.4 miles had fallen below the 3.7 threshold on the PQI, indicating a need for repair.

The road was affected by light-to-moderate surface cracking. Contractors were instructed to choose an application from the TDOT pavement preservation toolbox that would provide the desired life extension for the least amount of money. Two methods, micro surfacing and thin lift overlay, matched TDOT parameters, and the Department and contractors decided to move forward with a thin lift overlay.

The treatment would only cost about \$241,277, or about \$2.26 per square yard, which TDOT found to be well within their budget. The thin lift overlay was applied to the 4.4-mile stretch of road and sealed the surface cracks. The treatment extended the life span of the roadway by 6-8 years.