

## Foam Expansion Joint Simplifies Highway Concrete Restoration

*Sealed Air® meets the challenge as APAC-Missouri incorporates the Cellu-Cushion® EXP 200 Foam Expansion Joint into its Concrete Restoration contract with the Missouri Department of Transportation (MoDOT).*

APAC-Missouri, Inc., needed a faster and more cost effective way of repairing concrete pavement where the original spacing of expansion/contraction joints was too large, creating large cracks in concrete highways. Although this represented a new challenge, APAC-Missouri saw it as an opportunity to use Cellu-Cushion® EXP 200 Expansion Joint material made by Sealed Air Corporation.

The problem facing APAC-Missouri is that existing intermittent joints or cracks are not straight, but are serrated and mostly run at angles across the lanes of traffic. Typical expansion joint materials are often too rigid to bend to completely follow cracks of this type. This project used partial depth repairs to repair the intermittent cracks in the highway surface and to restore the highway to near its original state.



The solution was to use Sealed Air Corporation's Cellu-Cushion® EXP 200 foam expansion joint material that is firm but flexible! The expansion joint worked extremely well, providing a tight fit while following the cracks with its flexibility. APAC-Missouri worked closely with the Missouri Department of Transportation (MoDOT) Engineers in

successfully completing this Missouri Highway Route 63 restoration project.

The new crack repair process was so successful that APAC and MoDOT submitted an application for the Concrete Pavement Restoration Award offered by the ACPA (American Concrete Pavers Association).

Jason Backues, Job Engineer for APAC-Missouri, Inc., says, "Typical processes for partial depth crack repair in highways have a greater than 25% failure rate, but with the help of Cellu-Cushion® EXP 200, we only had one failure out of 1,241 repairs."

Relatively new to the market, Cellu-Cushion® EXP 200 is a closed-cell foam expansion joint material for the construction industry. It is an efficient and cost effective solution for concrete placement and repairs!

