



## J-Band

## J-BAND®

## US-51 BUS, ELWIN, IL

### Project Profile

**Project Name:**

IDOT Test Section on US-51 BUS

**Location:**

US-51 BUS, Just North of Elwin, IL

**Installed By:**

Heritage Technologies and IDOT

**Area Installed:**

1,000 LFT

**Installation Date:**

Summer 2002

J-Band® is a longitudinal joint sealer used to reduce the cracks and increase the density in the paving joint. The longitudinal joint crack forms because the first paving pass creates an unconfined edge. Rollers can't compact the edge to the same density as the interior of the mat. Then air and water intrudes into the HMA at the construction joint and damages the pavement over time. This causes premature construction joint failure and triggers maintenance or reconstruction.

Heritage Technologies along with IDOT installed a test section along US-51 BUS just north of Elwin, IL in the summer of 2002. US-51 BUS is a four lane highway. The J-Band® was placed on leveling binder under 1.5" of asphalt. After a decade, IDOT District 7 did a rout and seal project on both the control section and the J-Band® section. The J-Band® section is still in excellent condition, while the untreated areas have extensive cracking and loss of material near the joint. In the untreated section, they have had spray patching and cold mix applied to the worst sections.

### Contact Us

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**J-Band®**



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