



Project Profile

Project Name:
Illinois Tollway I-88

Location:
I-88 Tollway West Bound Between MM 62 and 63

Installed By:
Road Fabrics, Inc.

Paving Contractor:
Curran Contracting

Area Installed:
10,560 LFT

Installation Date:
October 2015

Contact Us

PO Box 87380, Carol Stream, IL 60188

Phone: 800-325-5747

Email: sales@roadfabrics.com

J-BAND® ILLINOIS TOLLWAY I-88

J-Band® is a longitudinal joint sealant 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.

The Illinois Tollway decided to use I-88 as a test section for the longitudinal joint sealant. J-Band® was applied for 1 mile on the shoulder joint and 1 mile on a main line joint on the west bound lane between mile marker 62 and 63.

J-Band® is placed in the form of a heavy membrane under the intended area for an overlay construction joint, 18" wide and with thickness up to 5/32". J-Band® then migrates into the high air voids in the HMA overlay in the area of the longitudinal construction joint and reduces voids to more typical HMA range.



Call Us Now: 800-325-5747