



Counter-clockwise from Top Left
 Surface preparation being performed on bridge deck and joint; application of Bridge Preservation™ BDM; the longitudinal joint prior to the placement of the Bridge Preservation™ Articulus™ Expansion Joint System

US30: McNamee Rd. - MP17.93

Multnomah County, OR



Expansion Joint Installation
 The Articulus™ Expansion Joint System is sprayed into place using Bridge Preservation™ Joint Adhesive.

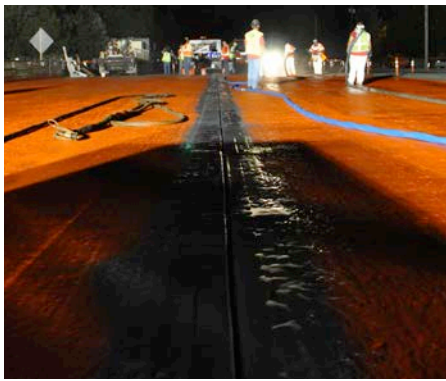
On June 28th, 2013 the Roger Langeliers Construction Company, an Approved Applicator of Bridge Preservation LLC. installed the first ever Articulus™ Expansion Joint for a highway bridge deck. 150 linear feet of the Bridge Preservation™ Expansion Joint was installed on the Oregon DOT McNamee Road Bridge (#01740) in Multnomah County, Oregon. The Articulus™ Expansion Joint chemically bonds with the Bridge Preservation™ waterproofing system to form a seamless, monolithic waterproofing membrane on both the bridge deck and across the joint. Because the Expansion Joint and Waterproofing System are compatible materials, Bridge Preservation LLC. offers a single warranty that covers both the performance of the waterproofing membrane as well as the expansion joint.

Project Information
 Project Number: 14502
 Owner: Oregon DOT
 Project Size: 11,000 SF
 Expansion Joint: 150 LF
 Approved Applicator: Roger Langeliers Construction Company

minutes after the primer application, Bridge Preservation™ BDM was installed 3' on either side of the joint to allow the expansion joint and waterproofing installations to take place simultaneously.

The Articulus™ Expansion Joint was sprayed into place and 80 mils of BDM was applied. On one 14'x150' section of the structure Bridge Preservation™ Aggregated Top Coat was installed, which provides a slip resistant surface and accommodates normal vehicular traffic within one hour of the installation. This allowed traffic to be moved to the other side of the bridge so the remainder of the waterproofing installation could be completed prior to placement of the asphalt wear course.

The installation was completed at 2:00 AM. The Roger Langeliers Construction Company was able to install both 11,000 SF of Bridge Preservation™ BDM and 150 LF of Expansion Joint in only 7 hours, which allowed the application of the asphalt wear course and the reopening of the bridge all during the same night.



Waterproofed Joint
 The finished joint prior to placement of the protection plates and Bridge Preservation™ Aggregated Top Coat



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