

## FIELD REPORT—Bridge Joint Repair, District 07 North Region Rt. 2 at San Fernando Road

### ***Overview:***

<b>Scope of Work:</b>	Bridge Joint Repair
<b>Customer:</b>	Caltrans Bridge Crew D07 North Hollywood Yard
<b>Date of Installation:</b>	March 1, 2013
<b>Location:</b>	South Bound Rt. 2 at San Fernando Road Lane #1
<b>Product:</b>	EJC-50 Black, 600ml Cartridges
<b>Installer:</b>	Caltrans D07 Bridge Crew North Region
<b>Prepared by:</b>	Kyle Dagnen <a href="mailto:Kyle.dagnen@wilvaco.com">Kyle.dagnen@wilvaco.com</a> , Rob Loomis <a href="mailto:Rob.loomis@wilvaco.com">Rob.loomis@wilvaco.com</a>

Caltrans District 07 Bridge Crew repaired Route 2 south bound lane #1 bridge header using a high early strength material and replaced damaged joint seal with EJC-50 Black.

Prior to installation of EJC-50 joint sealant, removal of damaged header was performed down to sound concrete. Loose rebar was removed and new rebar was installed and welded in place. The temperature was 55-65F during the operation and the bridge was returned to service in 5 hours.



## Operation:

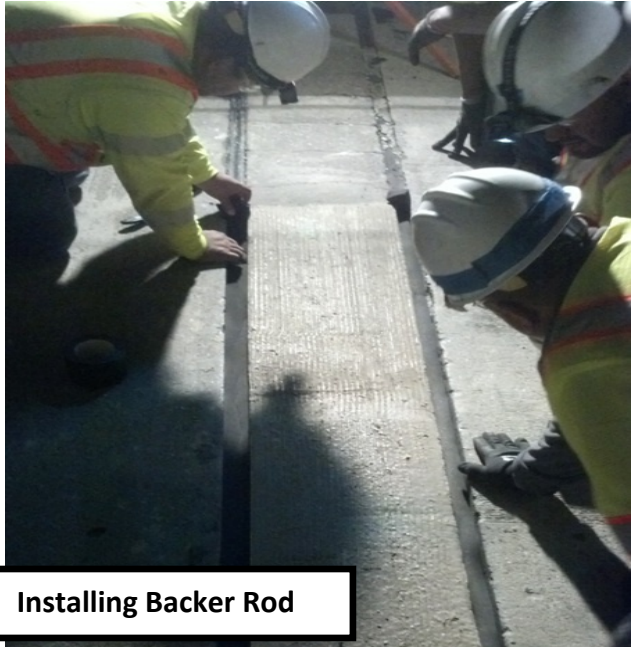
1. Use pneumatic chipping hammer to remove concrete, asphalt, and other products to sound concrete (96" x 17" x 5")
2. Cut and remove loose rebar and weld new rebar to existing rebar. Remove existing joint seal and compression seal.
3. Used concrete saw to clean edges of the repair of any bond breakers such as old joint material.
4. Install 2" EPS board to honor joints while pouring header material. Allow to cure 45 minutes and remove EPS.
5. Use a steel brush to clean new header joint bonding area. Blow clean joint area with compressed air (150PSI min.).
6. Packed joint with foam backer rod 0.5-1.0" from surface. Dispense 8 oz. of POLYPRIME BONDING AGENT from cartridges in quart container with 4 oz of acetone and brush on both sides of the joints. Allowed to cure 15 minutes.
7. Mask perimeter of repair area and placed plastic bucket next to the joint to prevent any trails of sealant. Start at lowest elevation and apply FASTPATCH EJC-50.
8. Install EJC-50 ¼ of inch below the elevation of the bridge deck in both joint and applied topping sand to right joint and left the other joint without topping sand.
9. Allow FASTPATCH EJC-50 to cure 45 minutes.



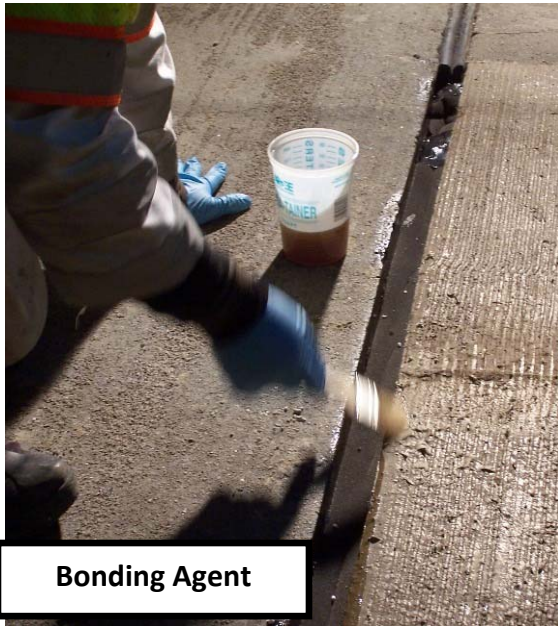




**Blowing Joint Out**



**Installing Backer Rod**



**Bonding Agent**



**EJC-50 Black**





**Topping Sand**



**EJC-50**

