



CASE STUDY : PHOSCRETE F1-HC

Bridge Expansion Joint Header



Location: [Burnside Bridge, Portland OR](#)

Ambient Temperature: [50°F, Cloudy](#)

Agency: Multnomah County DOT

Contact: Carl Morgan, Bridge Maintenance Supervisor, carl.morgan@multco.us

Installation Date: 24 October 2013

[Link to Google Photos Album](#)

Installation Notes: Repairs were performed on both sides of an expansion joints a heavily travelled bridge in Portland. The original elastomeric header material deteriorated the joint sealant was damaged. Phoscrete was quickly installed, without need to shotblast the rusted reinforcing steel. Blueboard as used to re-establish the joint, and was easily removed after pouring both sides of the header.

Reinspection Notes: Following five days of subfreezing temperatures, a five-month site reinspection showed no shrinkage, no cracking, and no delamination. Follow-up Inspection photos show the repair solidly in place after 4 years.

