



CASE STUDY : PHOSCRETE FI-HC

BRIDGE EXPANSION JOINT HEADER



Location: [I-5 Nisqually River, Olympia WA](#) **Ambient Temperature:** [60°F, Night](#)

Agency: WSDOT Olympic Region

Contact: Steve McIntyre, Bridge Maintenance Supervisor, mcintys@wsdot.wa.gov

Installation Date: 6 July 2011

[Link to Google Photos Album](#)

Installation Notes: Damaged armor angle required rapid repair on heavily trafficked interstate. Armor angle was removed, concrete demolished, rebar tied down, remnants from the old asphalt patch were torched off. Phoscrete was mixed, placed, finished, and ready for traffic in 3 hours.



Reinspection Notes: Multiple visits over 12 years show no shrinkage and no delamination of the expansion joint header. The expansion joint nosing running northbound on I-5 between Olympia and Seattle Washington remains in service in 2023.

