

Hydraulics & Hydrology Training



Scour Training & Certification

In partnership with Natural Waters and FHWA, WSDOT developed 11 scour training modules to inform stream engineers and designers how to properly evaluate scour and review scour analyses for WSDOT water crossings. WSDOT Scour Certification Record (SCR) number is required for all stream team members that are conducting scour calculations, lateral migration, scour analysis, and reviews as part of or supporting specialty reports.

Scour Training Overview

The training is composed of 11 [video modules and slides](#), each of which focuses on a different aspect of the purpose and process of a scour analysis. The training covers subjects such as WSDOT scour policies and procedures; scour overview and definitions; sediment sampling for scour analyses; various components of total scour and associated computations; scour countermeasures; and review of scour analyses to help ensure the long-term success and resiliency of WSDOT water crossing structures.

Additional training materials include the FHWA Bridge Scour workshop and two NHI Courses.

Scour Certification Process

To receive a scour certificate number, a participant is required to complete the following steps:

STEP 1

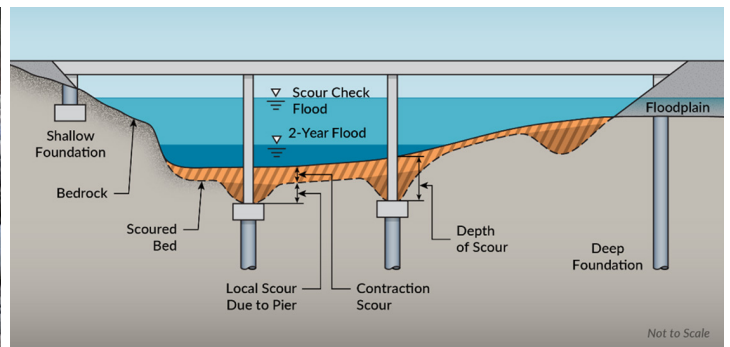
- ✓ View the [WSDOT Scour training](#) (11 modules) [↗](#)
- ✓ View the [FHWA Bridge Scour workshop](#) (4 recordings) [↗](#)
- ✓ Complete [NHI Course 135046 – Stream Stability and Scour at Highway Bridges](#) (Instructor-led, in-person/virtual, \$) [↗](#)
- ✓ Complete [NHI Course 135048 – Countermeasures Design for Bridge Scour and Stream Instability](#) (Instructor-led, in-person/virtual, \$) [↗](#)

STEP 2

- ✓ After completion of Step 1, an email must be sent to [WSDOT Scour Training](#) to request a link to WSDOT's comprehensive scour certification exam. The email must include NHI Course 135046 and 135048 completion certificates.

STEP 3

- ✓ Pass WSDOT's comprehensive scour certification exam



LEARN MORE about this and other Hydraulics and Hydrology course offerings, trainings, and certification programs on our [Trainings webpage](#).

