

This page contains information about research projects that are currently underway.

- Project Description:
    - This project will monitor scour for timely and effective detection of scour and deposition at bridge piers under field conditions. It will measure variations in the water temperature between stream water and water flowing within the streambed sediment to quantify changes in streambed elevation which will help to determine depth of scour or sediment deposition.
  - The objectives of this project are:
    1. To test the accuracy of the observed scour method in a real field case study.
    2. To develop low maintenance, remotely accessible instrumentation, that transfers data directly to an office computer for data analysis.
  - Estimated Completion Date: February 15, 2017
  - Budget: \$68,000
  - Project Managers: Lotwick Reese (208) 334-8491 [lotwick.reese@itd.idaho.gov](mailto:lotwick.reese@itd.idaho.gov)
  - Principal Investigator:
    - Daniele Tonina (208) 364-6194 [dtonina@uidaho.edu](mailto:dtonina@uidaho.edu)
    - Charlie Luce (208) 373-4382 [cluce@fs.fed.us](mailto:cluce@fs.fed.us)
  - TAC Members:
    - Bryan Martin (208) 334-8442 [bryan.martin@itd.idaho.gov](mailto:bryan.martin@itd.idaho.gov)
    - Dan Gorley (208) 334-8407 [dan.gorley@itd.idaho.gov](mailto:dan.gorley@itd.idaho.gov)
    - Luis Zarate (208) 334-8545 [luis.zarate@itd.idaho.gov](mailto:luis.zarate@itd.idaho.gov)
    - Ned Parrish (208) 334-8296 [ned.parrish@itd.idaho.gov](mailto:ned.parrish@itd.idaho.gov)
    - Jake Legler (208) 334-8129 [jake.legler@itd.idaho.gov](mailto:jake.legler@itd.idaho.gov)
  - FHWA Advisors: Ed Miltner (208) 334-9180 ext. 122 [ed.miltner@dot.gov](mailto:ed.miltner@dot.gov)
-