

WSDOT 2023 Scour Training

5/30/2023 – 6/01/2023

Q&A for Module 8: Abutment Scour (Casey Kramer and Scott Hogan)

- **Q: Scott referred to the FHWA requirement for armorings for bridges in pressure flow. Where is this requirement documented or is this guidance that will be in the forthcoming HEC-18 and HEC-23 updates?**
 - Please refer to FHWA's TechBrief on Hydraulic Considerations for Shallow Foundation Abutments for guidance on countermeasures for pressure flow.
- **Q: Can the NCHRP abutment scour method be used for cohesive soils?**
 - Yes, it can be used for cohesive materials. The critical shear of the bed is needed and can be attained by collecting a Shelby tube sample for lab testing.