

Laboratory Assessment Preparation List

General Assessment Guidance: This document is intended to provide guidance for laboratories preparing for an AASHTO re:source On-Site Laboratory Assessment, specifically with regard to the preparation and availability of materials required for demonstration of the test method(s). Preparing for the assessment will improve the efficiency, productivity, and benefit of the assessment for the laboratory.

This document does not address all of the apparatus and procedural requirements which may be evaluated during the assessment. Please consult the applicable AASHTO or ASTM standard for specific requirements. The laboratory may elect to demonstrate the AASHTO, ASTM, or both versions of the test method. The laboratory should be prepared to present required apparatus and to perform the test method in its entirety. Please contact us at (240) 436-4900 if your laboratory has additional questions with regard to preparing for the On-Site Assessment.

AASHTO	ASTM	Rock Assessment Preparation
	D3967	Have a rock core specimen suitable for demonstration of splitting tensile strength. Be prepared to demonstrate specimen dimension determinations and final calculations.
	D4543	Have a rock core specimen ready to cut for demonstration.
	D4644	Have a sample of shale fragments ready for slake durability testing. Be prepared to demonstrate sample preparation, at least one rotation with the apparatus set-up, and the appropriate calculations. Be prepared to present a completed report.
	D5240	Have a slab specimen ready to be placed in the sulfate solution and an additional sample that has been through one or more cycles. Prepare to demonstrate sample preparation, a method of checking the specific gravity of the solution, one full cycle of testing, and the final washing and drying procedures. Please be prepared to present a completed report.
	D5312	Have a slab specimen ready to be placed in the freezer or freeze/thaw chamber. Prepare to demonstrate sample preparation, one full cycle of testing (as time allows), and the final drying procedures. Please be prepared to present a completed report. If using a freeze/thaw chamber, be prepared to demonstrate that thawing temperatures can be maintained by the chamber.
	D5313	Have a slab specimen ready to be placed in the soaking container. Prepare to demonstrate sample preparation, one full cycle of testing (as time allows), and the final drying procedures. Please be prepared to present a completed report.
	D5607	Have a rock core suitable for demonstrating the steps through encapsulating and one that has already been encapsulated and is set to be sheared. Be prepared to present a completed report.
	D5731	Have a few suitable core specimens available for determining the point load strength. If your laboratory regularly tests different types of specimens, please have specimens available to demonstrate. Please be prepared to present a completed report.
	D7012 (Methods C and D)	Have a rock core suitable for demonstration of Method C (Uniaxial Compressive Strength of Intact Rock Core Specimens) or Method D (Elastic Moduli of Intact Rock Core Specimens in Uniaxial Compression). Be prepared to demonstrate the procedure and calculations. In addition, have apparatus and records available for review that indicate that the specimen was prepared in accordance with ASTM D4543 or a completed report with the information of how the sample was prepared if it did not meet ASTM D4543.