



REQUEST FOR LABORATORY TESTS

Project No.: _____ Project name: _____
 Account No.: _____ State: _____ County: _____

Submitted by: _____ Address: _____
 Phone Number: _____
 Fax Number: _____

Field sample number: _____ QL-PAY No.: _____ Lot No: _____
 Sampled by: _____ Date sampled: _____
 Number & type containers: _____ Witnessed by: _____ Date shipped: _____
 Quantity represented: _____ Intended use: _____
 Sample type (Acceptance, PC, IAS, CVS, etc.): _____ Date results needed: _____

Source name: _____ Source No.: _____
 Source location: _____

Item No.: _____ Material description: _____
 Sample location: _____
 Station: _____ Offset: _____ Milepost: _____ Depth: _____

List Tests To Be Performed: <small>(See Reverse For Tests)</small>	Project Specifications and Field Test Results				Special Instructions: <small>(Continue On Reverse)</small>
	Parameters/Sieves	Target Value Range	Specification Range ¹	Test Result	
	1½ -inch (37.5 mm)				
	1-inch (25.0 mm)				
	¾-inch (19.0 mm)				
	½-inch (12.5 mm)				
	⅜-inch (9.5 mm)				
	No. 4 (4.75 mm)				
	No. 8 (2.36 mm)				
	No. 10 (2.00 mm)				
	No. 16 (1.18 mm)				
	No. 30 (600 µm)				
	No. 40 (425 µm)				
	No. 50 (300 µm)				
	No. 100 (150 µm)				
	No. 200 (75 µm)				
	Moisture-Density				
	Liquid Limit				
	PI				
	Sand Equivalent				
	Fractured Faces				
	Asphalt Content				
	Density				
	Flat & Elongated				
	Concrete Strength				
					Portland Cement Concrete Data
					Air Content (%): _____ Slump: _____
					Break Age In Days (7, 14, 28, other): _____

¹The specification range may be the allowable deviation (±) from the target value.

INSTRUCTIONS FOR SUBMITTING SAMPLE

1. Please refer to the [FLH Field Materials Manual² Appendix C – Sample Quantities](#) for appropriate sample sizes.
2. Fill out the transmittal completely. (Use "NK" for not known).
 - a. Please include a specific date the results are needed. (Do *NOT* use ASAP).
3. Place one transmittal inside a waterproof envelope and place inside the sample container.
4. Place a second transmittal in a waterproof envelope and attach to the outside of sample container.
5. E-mail the transmittal directly to WFL.Materials_Lab@dot.gov.

TESTS ON SUBBASE, BASE & SURFACING AGGREGATES ¹ :			TESTS ON SOILS ¹ :		
AG-PG	Complete Preliminary Testing of Gravel AG-1 to AG-10, AG-12, AG-13		SO-PS	Complete Preliminary Testing of Soils SO-1B to SO-5	
AG-PQ	Complete Preliminary Testing of Quarries AG-4 to AG-10, AG-12, AG-13		SO-COM	Identification of Soils, COMPLETE (24 hr) SO-1A, SO-2, SO-3, SO-5	
AG-EV	Base or Subbase Evaluation AG-1 to AG-6, AG-16		SO-PAR	Identification of Soils, PARTIAL (4 hr) SO-1B, SO-2, SO-3, SO-5	
AG-1	Sieve Analysis	T 11/T 27	SO-SIM	Identification of Soils, SIMPLE SO-2, SO-5, SO-6	
AG-2	Plasticity Index	T 89/T 90	SO-1A	Particle Size Analysis to 0.002 mm (24 hr)	T 88
AG-3	SE as received, Referee Method	T 176	SO-1B	Particle Size Analysis to 0.02 mm (4 hr)	T 88
AG-4	Durability	T 210	SO-2	Plasticity Index (Atterberg Limits)	T 89/T 90
AG-5	Specific Gravity, Fine/Coarse	T84/T85	SO-3	Specific Gravity	T 100
AG-6	Los Angeles Abrasion	T 96	SO-4	R-Value, 300 PSI Exudation	T 190
AG-8	Soundness by Sodium Sulfate	T 104	SO-5	Soil Classification	M 145
AG-9	Accelerated Weathering	DMSO	SO-6	Sieve Analysis	T 11/ T 27
AG-10	Immersion Compression	T 165	SO-7	Natural Moisture Content	T 265
AG-12	Plasticity Index, Lab Manufactured	T 89/T 90	SO-8	Moisture Density, Standard Proctor	T 99
AG-13	SE, Lab Manufactured, Referee Method	T 176	SO-9	Moisture Density, Modified Proctor	T 180
AG-14	Specific Gravity, Coarse	T 85	SO-10	Sand Equivalent	T 176
AG-15	Specific Gravity, Fine	T 84	SO-11	Unconfined Compression	T 208
AG-16	R-Value, 300 PSI Exudation	T 190	SO-12	Mass Loss by Ignition	T 267
AG-17	Humphre's Granular Compaction		SO-13	Consolidation	T 216
AG-18	Fractured Faces	ASTM D 5821	SO-14	Direct Shear	T 236
AG-19	Unit Weight	T 19	SO-15	California Bearing Ratio	T 193
AG-20	Flat and Elongated Particles	ASTM D 4791	SO-16	pH of Soil	T 289
			SO-17	Resistivity	T 288
			SO-18	Revegetation Analysis	
TESTS ON CONCRETE AGGREGATES AND CONCRETE ¹ :			TESTS ON BITUMINOUS MATERIALS ¹ :		
CO-1	Sieve Analysis	T 11/T 27	AB-VG	Verification of Liquid Asphalt Grading	
CO-2	Sand Equivalent	T 176	AB-EA	Tests on Emulsified Asphalts	
CO-3	Los Angeles Abrasion	T 96	AC-MD	Hot Mix Design, Laboratory Verification	
CO-4	Soundness by Sodium Sulfate	T 104	AC-IC	Preliminary Immersion Compression	
CO-5	Specific Gravity, Coarse & Fine	T 85/T 84	AC-TSR	Preliminary Tensile Strength Ratio	
CO-6	Unit Weight	T 19	AC-CVS	Superpave Contractor Verification Sample AC-1 to AC-6	
CO-7	Organic Impurities	T 21	AC-1	Asphalt Content, Ignition Method	T 308
CO-8	Clay Lumps	T 112	AC-2	Moisture Content	T 329
CO-9	Lightweight Pieces	T 113	AC-3	Sieve Analysis	T 30
CO-10	Compressive Strength, Cylinders	T 22	AC-4	Bulk Specific Gravity	T 166
IMAGING ¹ :			AC-5	Theoretical Maximum Specific Gravity (RICE)	T 209
PH-1	Digital Specimen Photography	ASTM E 312	AC-6	Air Voids	T 269
			AC-7	Core Density w/Submitted RICE Value	T 166

¹ All tests noted above are AASHTO standards unless otherwise noted.

² <http://flh.fhwa.dot.gov/resources/manuals/fmm/>

*NOTE: For additional tests not listed above, contact the Central Laboratory. Additional tests may include, but are not limited to the following:
Additive stabilization, Cement Treated Base, Mortar Strength.

Special Instructions (continued):