AASHTO Accreditation Policy on PSP Participation

How to use these tables:
Each test that is included in a PSP will be designated with a T. If there is a special rule for participation that is other than simply checking that test result, it will have a number designation.

All samples:

- No action will be taken for low ratings on single operator precision.
- No action will be taken for suppressed ratings unless no data is submitted by the laboratory.
- If the test is included in more than one sample type, each sample type will be evaluated separately (ex. low ratings/no results on T30 on HMS and satisfactory ratings on T30 on HMI will still result in a T30 suspension following the HMS sample.)
- Low ratings/no results must be obtained on the same test property (line item) in order to be considered as consecutive.

Implementation of Contingency Rules

- Some of the rules in this document require laboratory accreditation for underlying test methods. If the rule has been implemented between assessments, the laboratory shall be notified about the requirement or on upcoming assessments before accreditation will be withdrawn due to the new contingency.

ASPHALT BINDER AND EMULSIONS

Asphalt Binder Tests			PSP Samples			
AASHTO	**ASTM**	**Test Name**	**BAC**	**PGB**	**EML**	**HMS**
R28	D6521	Pressurized Aging Vessel		T[1]		
R29		PG-Grading		T[2]		
T44	D2042	Solubility			T[9]	
T48	D92	Cleveland Flash	T[8]	T[8]		
T49	D5	Penetration	T[4]		T[4]	T[4]
T201	D2170	Kinematic Viscosity	T[3,4]			T[3,4]
T202	D2171	Absolute Viscosity	T[4]			T[4]
T228	D70	Specific Gravity	T[8]	T[8]		
T240	D2872	Rolling Thin-Film Oven (RTFO)	T[8]	T[8]		
T301	D6084	Elastic Recovery		T[11]		
T313	D6648	Bending Beam Rheometer (BBR)		T		
T314	D6723	Direct Tension (DT)		T		
T315	D7175	Dynamic Shear Rheometer (DSR)		T[5]	T[4]	T[5]
T316	D4402	Rotational Viscosity (Brookfield)		T		
T350	D7405	Multiple Stress Creep and Recovery		T[10]	T[4]	
Emulsion Tests			**PSP Samples**			
AASHTO	**ASTM**	**Test Name**	**BAC**	**PGB**	**EML**	**HMS**
T59	D7496-D88	Saybolt Viscosity (25°C)			T[6]	
T59	D7496-D88	Saybolt Viscosity (50°C)			T[6]	
T59	D6997	Residue by Distillation			T[7]	
T59	D6934	Residue by Evaporation			T	

1 This is a standard practice only, but it is required to be performed when testing for T313/D6648, T314/D6723, or T315/D7175 (PAV-aged). This practice will only be suspended if no data is submitted for the tests listed above.

2 If any of the following test methods are suspended, this test method will also be suspended: R28, T240, T313, T315, and T316.

3 If "(cut-back asphalt only)" is listed on a laboratory's accreditation for T201/D2170, participate in PSP is not required.

4[a] For tests on residue (ex. following distillation or evaporation on EML): Even though these tests may be an indicator of the effectiveness of the RTFO-conditioning on BAC, recovery on HMS, distillation on EML, or evaporation technique on EML, the individual tests in which low ratings are received will be suspended rather than the extraction, distillation, or evaporation practices.

4[b] If no data is submitted on a test on residue, there will not be a suspension unless it is the only sample type that allows the lab to perform the test included in their accreditation. Low ratings will be a basis for suspension if data is submitted.

4[c] If the laboratory is not accredited for the rotavapor, abson, distillation, evaporation, or solvent extraction, the results of the test on residue will not be evaluated that follow that process.

4[d] T315/D7175 and T350/D7405 will not be used for accreditation purposes. They were added for the low-temperature evaporation study.

5[a] T315/D7175 will be suspended if low ratings/no data occur and it is presumed that the laboratory tests original and aged samples.

5[b] If a laboratory chooses to limit their accreditation to unaged binder, RTFO-aged binder, or PAV-aged binder, the accreditation listings and suspensions will be split using the following terms: T315/D7175 (Original), T315/D7175 (RTFO-aged), and T315/D7175 (PAV-aged). Performance will be evaluated separately for each component.

5[c] Laboratory conformance to phase angle (δ) alone is not evaluated for accreditation purposes.

6 Saybolt Viscosity (T59/D7496) only needs to be performed if the PSP round requires testing at the specified temperature that is included in the laboratory accreditation. (***Example:*** if the lab is only accredited for 25°C, the laboratory only is required to run the test on the emulsion sample if the sample is to be tested at 25°C.)

7 As of 2017 (Samples 67/68), Percent Oil will not be evaluated for accreditation purposes.

8 Participation may be in either PGB or BAC for these tests. If low ratings occur on the same test in both samples, only one suspension will be posted.

9 T44/D2042 is in the emulsified asphalt PSP, but ratings on that test are not evaluated for accreditation purposes.

10 Percent Difference in Recovery between 0.1 and 3.2 kPa and Percent Difference of Non-recoverable Creep Compliance, Jnr-diff will not be used for accreditation purposes. "Rdiff" and "Jnr-diff" are calculated from test data that may not lie within a reasonable deviation about the consensus values for the Average Percent Recovery and Non-Recoverable Creep Compliance at 0.1 and 3.2 kPa, respectively.

11 This will only be evaluated in the fall rounds. The fall rounds always include modified binder.

ASPHALT MIXTURES TESTING

			Asphalt Mixture Tests	PSP Samples					
AASHTO	ASTM	DOT	Test Name	HMS	HMI	MAR	HVM	HMG	OTHER
R35			Mix Design Specification					T[9]	T[9]
T30	D5444		Gradation	T[2]	T[2]				
T164	D2172		AC Content by Extraction	T[10]					
T166	D2726		Bulk Specific Gravity			T[3]	T[3]	T[3]	
R59	D1856		Abson Recovery	T[1]					
T209	D2041		Max. Specific Gravity (Rice)			T	T	T	
R68	D6926		Marshall Compaction			T[4]			
T245	D6927		Marshall Testing			T[4]			
T246	D1560		Hveem (Corrected and Uncorrected)				T[5]		
CPL-5115 and CPL-5106			CO 4-inch Gyratory and Hveem				T[5c]		
T269	D3203		Percent Air Voids			T[6]	T[6]		
T308	D6307		AC Content by Ignition Oven		T[8]				
T275	D1188		Bulk Specific Gravity Using Parrafin/film			T[3]	T[3]	T[3]	
T312	D6925		Gyratory Compactor					T[7]	
TX-206-F and TX-208-F			(Texas) Gyratory Shear Compactor				T[5]		
	D5404		Rotavapor Recovery	T[1]					
T331	D6752		Bulk Specific Gravity - Core Lok			T[3]	T[3]	T[3]	

1 See rule 4 on Page 2 regarding handling of tests on residue.

2[a] Low ratings/no results must occur on the same sieve size in order to be considered consecutive.

2[b] Low ratings/no results must occur on samples extracted by the same test (T308/D6307 or T164/D2172) in order to be considered consecutive.

2[c] A laboratory needs to be accredited for a form of extraction (T164, D2172, T308, or D6307) to maintain accreditation for T30/D5444. Accreditation will not be automatically suspended for T30/D5444 when T164, D2172, T308, or D6307 is suspended. If T164, D2172, T308, or D6307 has been revoked or withdrawn, T30/D5444 will be withdrawn based on the lack of accreditation for a method of extraction.

3[a] A laboratory needs to be accredited for a form of compaction (R68, D6926, T247, D1561, T312, D6925, CP-L 5115, or TX-206-F) to maintain accreditation for T166/D2726, T275/D1188, and T331/D6752 or they will have a notation of (cores) after the test method designation. Accreditation will not automatically be suspended for these tests when the method of compaction is suspended. If all methods of compaction have been revoked or withdrawn, these bulk specific gravity tests will be replaced with the cores options based on the lack of accreditation for a method of compaction.

3[b] For the HVM samples, the specimens can be compacted by either the California kneading compactor, Texas gyratory compactor, or the Colorado 4-inch Superpave gyratory compactor.

3[c] For the HVM samples, the T166/D2726 and T331/D6752 results have been combined. If a laboratory receives low ratings for the test, it will affect their accreditation for both of these methods in addition to T275/D1188.

3[d] For the MAR and HMG samples, if a laboratory is accredited for T166/D2726 and T331/D6752, the laboratory must perform both tests in order to maintain accreditation for both tests.

3[e] T275/D1188 will be suspended along with T166/D2726.

4[a] Low ratings/no results on specimen height will result in suspensions for R68/D6926 or T245/D6927.

4[b] Low ratings/no results for stability and flow will result in suspension for T245/D6927.

5[a] Low ratings/no results on corrected or uncorrected will result in a suspension.

5b Corrected Stabilometer Value: No action to be taken if acceptable results are obtained on HVM samples compacted by either the California Kneading Compactor or the Texas Gyratory Compactor.

5c Laboratories that are accredited for TX-206-F, CPL 5115, T247, or D1561 must be participating in this sample starting in 2014 whether they are performing the Hveem test or not. Height of compaction will be evaluated.

6[a] No action to be taken if laboratory does not submit data for this test and the laboratory is accredited for the (cores) variation of the bulk specific gravity tests (T166, D2726, T275, D1188, T331, or D6752).

6[b] No action to be taken if the laboratory is accredited for the Gyratory Compactor and no other form of compaction because that sample does not include this test method directly.

6[c] A laboratory needs to be accredited for T209/D2041 to maintain accreditation for T269/D3203. Accreditation will not automatically be suspended for T269/D6203 when T209/D2041 is suspended. If T209/D2041 has been revoked or withdrawn, accreditation for T269/D3203 will be withdrawn based on the lack of accreditation for T209/D2041.

6[d]A laboratory needs to be accredited for T166, D2726, T275, D1188, T331, or D6752 to maintain accreditation for T269/D3203. Accreditation will not automatically be suspended for T269/D6203 when T166, D2726, T275, D1188, T331, or D6752 is suspended. If T166, D2726, T275, D1188, T331, or D6752 has been revoked or withdrawn, accreditation for T269/D3203 will be withdrawn based on the lack of accreditation for a bulk standard. Maintaining accreditation for either a cores-only or full version of at least one of these bulk standards satisfies the requirement for air voids.

7[a] Maximum Specific Gravity, Specimen heights, and percentages of specific gravity at 8 and 100 gyrations are required.

8 A laboratory needs to be accredited for T30 to maintain accreditation for T308. Accreditation will not be automatically suspended for T308 when T30 is suspended. If T30 has been revoked or withdrawn, accreditation for T308 will be withdrawn based on the lack of accreditation for T30.

9 A laboratory needs to receive satisfactory ratings (if there are test results) for the following tests to maintain accreditation for R35: T11, T27, T84, T85, T100 (Mineral Filler), T166 or T275, T209, and T312 (AGF, AGC, and HMG sample types).

10 A laboratory that determines mineral material volumetrically needs to be accredited for T228/D70 and T84/C128 to maintain accreditation for T164/D2172. Accreditation will not automatically be suspended for T164/D2172 when T228/D70 or T84/C128 is suspended. If T228/D70 or T84/C128 has been revoked or withdrawn, accreditation for T164/D2712 will be withdrawn based on the lack of accreditation for T228/D70 or T84/C128.

SOIL TESTING

Soil Tests			PSP Samples			
AASHTO	**ASTM**	**Test Name**	**SOL**	**R-VAL**	**CBR**	**AGF**
T88	D422	Particle-Size Analysis / Hydrometer	T[1,2,3]			
T89	D4318	Liquid Limit	T[4]			
T90	D4318	Plastic Limit	T[4]			
	D4943	Shrinkage Factors	T			
T99	D698	Standard Proctor (5.5-lb)	T[5]			
T100	D854	Specific Gravity	T[6]			
T176	D2419	Sand Equivalent				T
T180	D1557	Modified Proctor (10-lb)	T[5]			
T190	D2844	R-Value		T		
T193	D1883	California Bearing Ratio			T[7]	
	D2487	Soil Classification	T[8]			
	D7928	Fine-Grained Hydrometer Analysis	T[1,3]			

1 Low ratings/no results must occur on the same test value in order to be considered consecutive. Once negative action has occurred on one test value, satisfactory results are needed on all test values.

2ª A laboratory needs to be accredited for R58 or T146 in order to be able to maintain accreditation for T88. Accreditation will not automatically be suspended for T88 when R58 or T146 is suspended. If R58 or T146 is revoked or withdrawn, accreditation for T88 will be withdrawn based on a lack of accreditation for R58 or T146.

2ᵇ A laboratory needs to be accredited for D421 in order to be able to maintain accreditation for D422. Accreditation will not automatically be suspended for D422 when D421 is suspended. If D421 is revoked or withdrawn, accreditation for D422 will be withdrawn based on a lack of accreditation for D421.

3 A laboratory that is accredited for both methods of hydrometer testing shall submit test data for both T88/D422 and D7928. A suspension for either T88/D422 or D7928 does not affect the other hydrometer method.

4ª Low ratings/no results on the liquid limit procedure or plastic limit procedure of D4318 will result in a suspension for all of D4318. Once negative action has occurred on one test value, satisfactory results are needed on both procedures to be reinstated for D4318.

4ᵇ A laboratory needs to be accredited for R58 or T146 in order to be able to maintain accreditation for T89 or T90. Accreditation will not be automatically suspended for T89 or T90 when R58 or T146 is suspended. If R58 or T146 is revoked or withdrawn, accreditation for T89 or T90 will be withdrawn based on a lack of accreditation for R58 or T146.

5ª Starting on 155/156, laboratories will have the option of testing standard (T99/D698) or modified (T180/D1557) Proctors. Accreditation for both T99/D698 and T180/D1557 will be evaluated based on the proficiency sample results of either the standard or modified compaction test. Once negative action has occurred, satisfactory results need to be obtained on both maximum density and optimum moisture to be reinstated for the affected scope.

5ᵇ A laboratory accredited for only one compactive effort needs to submit results for that effort.

6 Participation is required for soils testing only. If a laboratory is accredited for T100 (Mineral Filler) in the aggregate scope, the laboratory must perform T100 testing on the Asphalt Mixture Gyratory Design (HMG) samples also.

7 Low ratings/no results for dry unit weight, CBR at 0.1 and CBR at 0.2 will result in a suspension of T193/D1883.

8 A laboratory needs to be accredited for plasticity index (D4318 or the combination of T89 and T90), a method of wash (C117, D1140, D422, T11, T88), and a method of particle size analysis (C136, D422, T27, or T88) to maintain accreditation for D2487. Accreditation will not be automatically suspended for D2487 when a required test is suspended. If a test requirement is not satisfied though revocation or withdrawal, accreditation for D2487 will be withdrawn based on a lack of accreditation for the underlying test(s).

AGGREGATE TESTING

Aggregate Tests			PSP Samples			
AASHTO	**ASTM**	**Test Name**	**AGF**	**AGC**	**ASR**	**HMG**
T11	C117	-No. 200 Wash	T[1]	T[1]		
T27	C136	Sieve Analysis	T[1,2]	T[1,2]		
T84	C128	Fine Aggregate Specific Gravity	T			
T85	C127	Coarse Aggregate Specific Gravity		T		
T96	C131	L.A. Abrasion		T[5]		
T100 (Mineral Filler)		Specific Gravity of Mineral Filler				T[6]
T104	C88	Sulfate Soundness	T[1,2,3]	T[1,2,3]		
T176	D2419	Sand Equivalent	T			
T303	C1260	Alkali-Silica Reaction			T[7]	
T304	C1252	Uncompacted Void Content	T[4]			
T327	D6928	Micro-Deval for Coarse Aggregate	T			
	C535	L.A. Abrasion (Large-Size Coarse Aggregate)		T[5]		
	D7428	Micro-Deval for Coarse Aggregate	T			

1[a] The mass of the sample before washing will not be used for accreditation purposes.
1[b] Starting in 2017, ratings for T11/C117 will not be evaluated for accreditation purposes on Coarse Aggregate samples.

2[a] Low ratings/no results must occur on the same sieve size in order to be considered consecutive. Once negative action has occurred on one test value (sieve size), satisfactory results are needed on all test values (sieve sizes).
2[b] This test is included in more than one sample type.
2[c] A suspension for these tests will occur if consecutive low ratings/no results are received on coarse or fine aggregate. The ratings are to be evaluated separately and will cause the entire test to be suspended rather than just the portion of the gradation that was included in the offending sample results. However, accreditation may reflect "Coarse Aggregate" or "Fine Aggregate" if the laboratory is not a participant due to the type of work they are performing normally.

3 No action to be taken if acceptable results are obtained using either Magnesium (Mg) Sulfate or Sodium (Na) Sulfate.

4[a] A laboratory needs to be accredited for T84/C128 in order to be able to maintain accreditation for T304/C1252. Accreditation will not automatically be suspended for T304/C1252 when T84/C128 is suspended. If accreditation for T84/C128 is revoked or withdrawn, accreditation for T304/C1252 will be withdrawn based on a lack of accreditation for T84/C128. Another AASHTO Accredited laboratory may be able to provide the test result for T84/C128 if this is part of the laboratory's normal process and the situation has been approved by the AASHTO Accreditation Program.
4[b] Only the average result will be used for accreditation purposes.
4[c] A laboratory needs to be accredited for T27/C136 in order to be able to maintain accreditation for T304/C1252. Accreditation will not automatically be suspended for T304/C1252 when a T27/C136 is suspended. If T27/C136 is revoked or withdrawn, accreditation for T304/C1252 will be withdrawn based on a lack of accreditation for T27/C136.

5 Low ratings/no results for LA Abrasion in PSP will lead to suspensions for both T96/C131 and C535.

6 Participation is required for aggregate testing only. If a laboratory is accredited for T100 in the soils scope, the laboratory must perform T100 testing on the Soil Classification and Compaction samples also.

7 Participation is required for the 14-day reading only.

CONCRETE TESTING[3]

Concrete Tests			PSP Sample	
AASHTO	**ASTM**	**Test Name**	**CONCRETE**	**ASR**
T22	C39	Compressive Strength	T[1]	
T119	C143	Slump	T	
T121	C138	Unit Weight	T	
T152	C231	Air Content – Pressure Method	T	
T196	C173	Air Content – Volumetric Method	T	
T303	C1260	Alkali-Silica Reaction		T[4]
T309	C1064	Temperature of Fresh Concrete	T[2]	

1 Participation is required for all labs accredited for T22/C39. If someone else molds their cylinders, the laboratory can have them mold their proficiency samples too.

2 Ratings are not assigned for this test method. No action is required.

3 CCRL did not ship rounds 185/186 to Puerto Rico due to hurricanes during the fall of 2017. Those laboratories will not be evaluated for this round of testing.

4 Participation is required for the 14-day reading only.

CEMENT TESTING (Physical Tests)

Cement Tests			PSP Samples			
AASHTO	ASTM	Test Name	PORTLAND CEMENT	BLENDED CEMENT	MASONRY CEMENT	POZZOLAN
T106	C109	Compressive Strength	T[1,2]	T[1,3]	T[1,4]	T[5]
T107	C151	Autoclave Expansion	T[1]	T[1]	T[1]	T
T129	C187	Normal Consistency	T[1]	T[1]	T[1]	
T131	C191	Vicat Time of Setting	T[1]	T[1]		
T133	C188	Density		T[1]	T[1]	T
T137	C185	Air Content	T[1]	T[1]	T[1]	T
T153	C204	Fineness – Air Permeability	T[1]	T[1]		
T154	C266	Gillmore Time of Setting	T[1]		T[1]	
T160	C157	Length Change of Mortar Bars				T
T186	C451	Early Stiffening (False Set)	T			
T192	C430	Fineness – No. 325 Sieve	T[1]	T[1]	T[1]	T
	C186	Heat of Hydration	T[6]	T[6]		
	C441	Fineness – No. 325 Sieve				T[7]
	C1038	Expansion When Stored in Water	T			
	C1506	Water Retention			T	

1[a] The test is included in more than one sample type, but enrollment/participation may only be required in <u>one</u> of the sample types. It depends what kind of testing the laboratory normally performs. Low ratings will be the basis for suspension rather than no data unless there are no results submitted on any of the sample types for an accredited test.

1[b] The various types of cement will be evaluated independently of each other. This is due to preparation and mixing differences.

2 Portland Cement:
For compressive strength (T106/C109), specification C150 dictates that compressive strength must be tested for the 3 and 7 day periods. Satisfactory results are required for the 3 and 7 day compressive strength tests in order to maintain accreditation for T106/C109. In addition, Compressive Strength Flow ratings must be satisfactory in order to maintain accreditation for T106/C109.

3 Blended Cement:
For compressive strength (T106/C109), specification C595 dictates that compressive strength must be tested for the 3, 7, and 28 day periods. Satisfactory results are required for the 3, 7, and 28 day compressive strength tests in order to maintain accreditation for T106/C109. In addition, CS Mix Water and Compressive Strength Flow ratings must be satisfactory in order to maintain accreditation for T106/C109.

4 Masonry Cement:
For compressive strength (T106/C109), specification C91 dictates that compressive strength must be tested for the 7 and 28 day periods. Satisfactory ratings are required for the 7 and 28 day compressive strength tests in order to maintain accreditation for T106/C109.

5 Masonry Cement:
For compressive strength (T106/C109), specification C311 allows for 7 or 28-day specimens to be tested depending on amount of material and the requirements of the producer or user. In this case, the laboratory is being asked to supply results for 28-

day compressive strength testing by CCRL. Satisfactory ratings are required for the 7 and 28-day compressive strength tests in order to maintain accreditation for T106/C109.

6 All elements are required for conformance to C186.

7 C441 ratings are not evaluated for accreditation purposes.

CEMENT TESTING (Chemical Tests)

Cement Tests			PSP Samples		
AASHTO	**ASTM**	**Test Name**	**PORTLAND CEMENT**	**BLENDED CEMENT**	**POZZOLAN**
T105	C114	Silicon Dioxide (SiO_2)	T[1]	T[1]	T[1]
		Aluminum Oxide (Al_2O_3)	T[1]	T[1]	T[1]
		Ferric Oxide (Fe_2O_3)	T[1]	T[1]	T[1]
		Calcium Oxide (CaO)	T[1]	T[1]	T[1]
		Magnesium Oxide (MgO)	T[1]	T[1]	T[1]
		Sulfur Trioxide (SO_3)	T[1]	T[1,3]	T[1]
		Loss on Ignition (LOI)	T[1]	T[1,3]	T[1]
		Sodium Oxide (Na_2O)	T[1]	T[1]	
		Potassium Oxide (K_2O)	T[1]	T[1]	
		Titanium Dioxide (TiO_2)	T[1]	T[1]	
		Phosphorous Pentoxide (P_2O_5)	T[1]	T[1]	
		Zinc Oxide (ZnO)	T	T[2]	
		Manganic Oxide (Mn_2O_3)	T	T[2]	
		Sulfide Sulfur (S)		T[3]	
		Chloride (Cl)	T	T[2]	
		Insoluble Residue (IR)	T[1]	T[1]	
		Free Calcium Oxide [Free Lime] (C_x)	T		
		Carbon Dioxide	T[4]		
		Limestone Content	T[4]		

1[a] The test is included in more than one sample type, but enrollment/participation may only be required in <u>one</u> of the sample types. It depends what kind of testing the laboratory normally performs. Low ratings/no results will be the basis for suspension rather than no data unless there are no results submitted on any of the sample types for an accredited test.

1[b] The various types of cement will be evaluated independently of each other. This is due to preparation and mixing differences.

2 These ratings are suppressed. Participation will be evaluated on the Portland cement samples.

3 Sometimes Sulfide Sulfur is included in the program. When it is, laboratories use the wet method to determine the results and then have to correct the values for Sulfur Trioxide and Loss on Ignition. Corrected ratings will be used as the basis for evaluation when this occurs.

4 Carbon Dioxide and Limestone Content results are only provided when limestone has been added to the Portland cement samples.

MASONRY TESTING

Masonry Tests			PSP Samples	
AASHTO	**ASTM**	**Test Name**	**MASONRY MORTAR**	**CMUs**
MASONRY MORTAR				
T106	C109	Compressive Strength	T[1]	
T137	C185	Air Content	T	
	C1506	Water Retention	T	
CONCRETE MASONRY UNIT (CMU)				
	C140	Measuring		T[2]
	C140	Absorption		T
	C140	Compressive Strength		T

1 For compressive strength (T106/C109), specification C91 dictates that compressive strength must be tested for the 7 and 28 day periods. Satisfactory ratings are required for the 7 and 28 day compressive strength tests in order to maintain accreditation for T106/C109.

2 Measuring is evaluated by face shell thickness, web thickness, net area, density, and equivalent thickness.

STEEL REBAR TESTING

Steel Tests			PSP Samples
AASHTO	**ASTM**	**Test Name**	**METALS**
M31/A615, M322/A996, and A706			
T244	A370	Ultimate Tensile Strength	T[1]
T244	A370	Elongation	T[1]
T244	A370	Yield Strength	T[1]

1[a] Testing for tensile strength, elongation, and yield strength will be used for accreditation purposes.

1[b] Low ratings / no results will result in suspensions for all types of rebar tested (M31/A615, M322/A996, and A706) for the required tests.

Summary of changes for revision 13:

- If the laboratory is not accredited for the method of recovery, there will be no expectation to perform the testing on residue following that recovery.
- The table for asphalt binder and emulsions was expanded to include DSR and MSCR on emulsion residues.
- The 3 superscript was removed from T84/C128 and T85/C127. It was for sulfate soundness.
- The gyratory rule was updated to make it clear that the percent specific gravities at various heights is also required. That was implicit before.

Summary of changes for revision 14:

- A new contingency was added for labs that determine the fines in T164 using the volumetric method.
- R35 was added to the table.
- DSR and MSCR notes were modified following EML since they were added for the low temperature evaporation study and will not be used for accreditation purposes.
- CCRL ASR samples were added to the aggregate and concrete tables. The AAP maintains that test in both aggregate and concrete scopes due to customer inquiries about the location of those tests on the accreditation directory.

Summary of changes for revision 15:

- AMRL was changed to AASHTO.
- T315 rules were updated to clarify when T315 should be split into separate components.
- Percent Oil on the Emulsified Asphalt samples is no longer being evaluated for accreditation purposes.
- R76 (formerly T248) was added to the prerequisite for R35.
- Corrected and uncorrected Hveem values are now being evaluated.
- T100/D854 are no longer required as prerequisite tests for T88/D422.
- The prerequisite methods for D2487 have been expanded to include other methods of wash and particle size analysis determinations. The rule was also modified so that suspension for D2487 will not occur until the underlying tests requirements are not met through revocation or withdrawal.
- Swell on the CBR samples is no longer being evaluated for accreditation purposes.
- Ratings for T11/C117 will not be evaluated for accreditation purposes on Coarse Aggregate samples.
- For the prerequisite requirement for T304/C1252, T84/C128 results may be provided by an AASHTO Accredited laboratory instead of by the laboratory that is maintaining accreditation for T304/C1252 if this is part of their normal process and has been approved by the AASHTO Accreditation Program.
- CCRL did not ship rounds 185/186 to Puerto Rico due to hurricanes during the fall of 2017. Those laboratories will not be evaluated for this round of testing.
- Pozzolan rules were added to the cement tables.
- Removed this outdated cement rule: “Participation in C1506 will not be evaluated for accreditation until the test is offered for Portland Cement and Blended Cement PSP from CCRL.” Other numbers were modified to account for this deletion.
- Masonry mortar was removed from the cement tables, and masonry cement was removed from the masonry table.

Summary of changes for revision 16:

- Document format updated. No content changed.

Summary of changes for the 8/1/2018 revision:

- Updated format to the new controlled document format
- Refined the rules related to T100 (mineral filler) in the aggregate scope and T100 in the soils scope.

Summary of changes for the 9/28/2018 revision:

- Updated the ASR rule to identify only the 14-day reading as a requirement.

Summary of changes for the 10/22/2018 revision:

- Updated the Pozzolan compressive strength results section to require the 28-day strength test results.

Summary of changes for the 1/3/2019 revision:

- Added D7928 to the Soil Classification and Compaction sample table and applicable rules.
    - SOL rules renumbered to accommodate addition of D7928.