

EXHIBIT A - ACCEPTANCE SAMPLING AND TESTING FREQUENCIES

HOT MIX ASPHALT (HMA) / ASPHALT CONCRETE (AC)

Quality Characteristic	Test Method	Minimum Sampling and Testing Frequency	Location/Time of Sampling
Aggregate Gradation (Sieve Analysis)	CT 202	1 Per 3000 Tons or Part Thereof; Minimum: 1 per day during production/placement of at least 500 Tons.	At Plant per CT 125 (a)
Sand Equivalent	CT 217		
Asphalt Binder Content	CT 382 (By Ignition Method)		Loose mix behind paver or windrow per CT 125
Percent Compaction by Maximum Theoretical Density (Rice)	Nuclear Gage(b) CT 375 or ASTM D2950 (c)	1 Set Per 1000 Tons or Part Thereof; Minimum: 1 per day during production/placement of at least 500 Tons.	Random locations per CT 375
Maximum Theoretical Density (Rice)	CT 309	As necessary to provide data for compaction testing	Loose mix behind paver or windrow per CT 125
Asphalt Binder	-----	Verified by Certificate of Compliance	-----
Smoothness	12-foot Straightedge per Standard Specifications	-----	-----

(a) Exact tonnage of sample location to be determined by random sampling plans

(b) Compaction determined by Nuclear Density Device. Core testing per CT 308 required if compaction fails the nuclear test

(c) Correlation between core densities and nuclear device required only if compaction fails the nuclear test

SCREENINGS (BITUMINOUS SEALS)

Quality Characteristic	Test Method	Minimum Sampling and Testing Frequency	Location/Time of Sampling
Screenings Gradation	CT 202	1 test (minimum) per material source	Sample from truck or plant prior to placement
Cleanness Value	CT 227	1 test (minimum) per material source	Sample from truck or plant prior to placement
Durability Index	CT 229	1 test (minimum) per material source	Sample from truck or plant prior to placement

SUBGRADE (DISTURBED BASEMENT SOIL) OR EMBANKMENT

Quality Characteristic	Test Method	Minimum Sampling and Testing Frequency	Location/Time of Sampling
Maximum Density	CT 216	If needed to provide data for compaction testing	Random locations as determined by the Engineer, in-place after compaction.
Relative Compaction	CT 231	1 test (minimum) per 12,000 sqft under vehicle traveled way and 1,000 linear feet under sidewalks	

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AGGREGATE BASES AND SUBBASES, IMPORTED BORROW

Quality Characteristic	Test Method	Minimum Sampling and Testing Frequency	Location/Time of Sampling
Sieve Analysis	CT 202	1 test (minimum) per material source	Sample from site stockpile/plant prior to placement
Sand Equivalent	CT 217	1 test (minimum) per material source	Sample from site stockpile/plant prior to placement.
Maximum Density	CT 216	If needed to provide data for compaction testing	Random locations as determined by the Engineer, in-place after compaction.
Relative Compaction	CT 231	1 test (minimum) per 250 Tons placed	
R-Value	CT 301	1 test (minimum) per material source	Sample from site stockpile/plant prior to placement
Durability	CT 229	1 test (minimum) per material source	Sample from site stockpile/plant prior to placement

STRUCTURE BACKFILL, SELECT BACKFILL

Quality Characteristic	Test Method	Minimum Sampling and Testing Frequency	Location/Time of Sampling
Sieve Analysis	CT 202	1 test (minimum) per material source	Sample from site stockpile/plant prior to placement.
Sand Equivalent	CT 217	1 test (minimum) per material source	Sample from site stockpile/plant prior to placement.
Maximum Density	CT 216	If needed to provide data for compaction testing	Random locations as determined by the Engineer, in-place after compaction.
Relative Compaction	CT 231	1 test (minimum) per 1000 SF of area or 1000 LF of trench	
R-Value	CT 301	1 test (minimum) per material source	Sample from site stockpile/plant prior to placement

PORTLAND CEMENT CONCRETE (PCC) - STRUCTURAL AND SIGNAL/LIGHTING FOUNDATIONS

WET MIX

Quality Characteristic	Test Method	Minimum Sampling and Testing Frequency	Location/Time of Sampling
Slump/Penetration	CT 533	1 minimum per day for structural concrete	Sample from truck/work site
Cylinders	CT 539/540	1 set (minimum) of 4 per day for structural concrete	