

# Type A Hot Mix Asphalt

## **Aggregate Gradation**

Create a sample for each aggregate gradation bin provided in the CEM-3512. For example, if there are 3 bin sizes identified in CEM-3512 (Bin 1: 3/4", Bin 2: 3/8" and Bin 3: Plant Sand) you would need to create a separate DIME sample for each bin. From there you would input AASHTO T27 test data for each sample.

## **Aggregate Quality**

Create an additional aggregate sample to provide your Aggregate Quality test results, AASHTO T335, T96, T176, T304, T85, T84, ASTM D4791, and CT 204. If any Project Specified Aggregate Quality Characteristics are specified for testing they would be included on this sample as well (e.g. AASHTO T104, T210, CT 227).

## **Reclaimed Asphalt Pavement**

Create 6 reclaimed asphalt pavement samples. 3 samples would have its own set of tests, AASHTO T164, T30 and T209. The other 3 samples would have their own sets of tests, AASHTO T308 and T30.

## **Asphalt Binder**

Create 1 binder sample. The binder sample requires 2 test results, AASHTO T228 and T315.

## **Lime (if applicable)**

Create 1 lime sample and provide 1 test result, ASTM D2074.

## **Liquid Antistrip (if applicable)**

Create 1 antistrip sample and provide 1 test result, ASTM D2074.

## **Warm Mix Asphalt (if applicable)**

Create 1 warm mix asphalt (WMA) sample. No test data is required for WMA.

## **Asphalt Modifier (if applicable)**

Create 1 sample of asphalt modifier and provide results for 3 tests, ASTM D445, D92, D2007.

## **Hot Mix Asphalt**

Create 1 hot mix asphalt (HMA) sample for your Hot Mix Asphalt Design Data test results, AASHTO T308, T275, T209, T269, T283 (plant produced material) and T324 (plant produced material).

# Rubberized Hot Mix Asphalt Gap Graded

The same requirements for Type A Hot Mix Asphalt, excluding RAP, should be followed with the addition of the following samples:

## **Crumb Rubber Modifier**

Create 1 sample of crumb rubber modifier and provide results for 3 tests, CT 385, 208, and ASTM D297.

## **Asphalt Rubber Binder Design and Profile**

Create 1 sample of asphalt rubber binder and provide results for 4 tests, ASTM D217, D5329, D36 and D7741.

# Open Graded Friction Course

The same requirements for Rubberized Hot Mix Asphalt Gap Graded, excluding Hot Mix Asphalt, should be followed.