CEMENT MODIFIED RECYCLED BASE

Subsection 306.4.3 of the Standard Specifications is deleted and replaced by the following:

306.4.3 Application of Cement

The rate of cement will be determined by the Geotechnical Materials Engineer (GME) based on test results supplied by the Contractor to the GME. Obtain material from the roadway necessary for the mix design process taking care to sample no deeper than the depth of reclamation and to keep the ratio of asphalt to soil representative. Do not obtain materials for mix design testing from areas of the roadway that have been full-depth patched. The roadway sampling and mix design testing will be conducted according to SC-T-26 by an AASHTO-accredited laboratory. Submit the mix design test results in writing and obtain the cement spread rate from the GME before starting reclaiming work. Allow two weeks for review of test results and selection of appropriate cement spread rate.

Spread Portland cement uniformly on the pulverized roadway at the rate (in pounds per square yard) established by the GME. Spread the cement with equipment that can be calibrated and adjusted so that the established rate is obtained uniformly throughout the length and width of the roadway. Use spreading equipment that has adjustable openings or gate headers and that is not solely dependent on vehicle speed to obtain the required spread rate. A tolerance of 5% will be allowed in the spread rate for individual sections of the roadway; however adjustments should be made in order to keep the actual spread rate as close to that established by the GME. Only apply cement to such an area that all the operations can be continuous and completed in daylight, unless adequate artificial is provided, within 6 hours of such application.

Do not allow the percentage of moisture in the soil at the time of cement application to exceed the quantity that permits uniform and intimate mixture of soil and cement during dry mixing operations and do not exceed the specified optimum moisture content for the soil-cement mixture. Do not allow equipment, except that used in spreading and mixing to pass over the freshly spread cement until it is mixed with the soil.

Apply cement only when the temperature is above 40°F in the shade and rising. Do not perform work on a frozen or excessively wet roadway.