## Section 308. — RECYCLED AGGREGATE BASE (ADDED SECTION)

04/02/21– FP-14

WFL Specification 04/02/21 3080010

Include the following when work is required in this Section.

Description

### 308.01

This work consists of constructing a course of recycled aggregate base using asphalt concrete pavement millings and recycled aggregate from the existing pavement structure obtained under Section 413.

Material

### 308.02

Material shall conform to the following Subsections:

Water 725.01(c)

Construction Requirements

### 308.03 General.

Establish profile and cross slope control according to Section 152. Provide asphalt concrete pavement millings with a maximum particle size of 1 ½ inch (37.5 millimeters).

### 308.04 Placement. Place recycled aggregate base to the limits shown on the plans. Place a sufficient quantity to bring the final surface to established line, grade, and cross section.

### 308.05 Mixing and Spreading.

Mix the recycled aggregate to its full depth. During mixing add water to provide the optimum moisture content for compaction. When mixed, spread to the thickness and cross section shown on the plans. Cut to grade any high areas in the base and deposit the resulting material in low areas.

### 308.06 Compaction and Finishing.

Compact each layer of material full width with one of the following:

**(a)** Four roller passes of a vibratory roller having a minimum dynamic force of 40,000 pounds (180 kilonewtons) impact per vibration and a minimum frequency of 1,000 vibrations per minute;

**(b)** Eight roller passes of a 20-ton (20 metric ton) compression-type roller; or

**(c)** Eight roller passes of a vibratory roller having a minimum dynamic force of 30,000 pounds (130 kilonewtons) impact per vibration and a minimum frequency of 1,000 vibrations per minute.

Operate compression-type rollers at speeds less than 6 feet (2 meters) per second and vibratory rollers at speeds less than 3 feet (1 meter) per second.

Produce a surface that is smooth, dense, and free of ruts, ridges, and loose material.

### 308.07 Surface Tolerance.

Use a 10-foot (3-meter) straightedge to measure the surface at designated areas. Apply the straightedge at right angles and parallel to the centerline of the finished surface. A defective area is an area with surface deviations in excess of ½ inch (13 millimeters) between any two contacts of the straightedge with the surface.

Correct defective areas by loosening the material, removing or adding material, reshaping, and compacting.

### 308.08 Maintenance.

Maintain the aggregate course to the correct line, grade, and cross section until placement of the next course. Should irregularities develop in any surface during or after compaction, loosen the surface and correct defects. Compact the disturbed area according to Subsection 308.06.

### 308.09 Acceptance.

Recycled aggregate base will be evaluated under Subsection 106.02 and 106.04.

Placement of recycled aggregate base will be evaluated under Subsection 106.02 and 106.04.

Measurement

### 308.10

Measure the items listed in the bid schedule according to Subsection 109.02 and the following.

When measuring recycled aggregate by the cubic yard (cubic meter), measure in place.

Payment

### 308.11

The accepted quantities, measured as provided in Subsection 109.02 and above, will be paid at the contract price per unit of measurement for the Section 308 pay items listed in the bid schedule. Payment will be full compensation for the work prescribed in this Section. See Subsection 109.05.