

## SECTION 2510

### COLD IN-PLACE RECYCLING

#### 1.00 GENERAL

1.01 Scope. This work shall consist of furnishing all labor, equipment, materials and miscellaneous items for the recycling of existing asphalt pavement and base course. It shall also include the reshaping and compaction of recycled material prior to final asphalt surfacing.

1.02 Submittals. Provide submittal information on equipment for pulverizing and compaction operations.

#### 1.03 Related Work Specified Elsewhere.

Section 2100 - Removal of Structures and Obstructions

Section 2140 - Embedment and Base Course Aggregate

Section 2500 - Hot Bituminous Pavement

#### 2.00 MATERIALS

Not Applicable

#### 3.00 METHODS AND PROCEDURES

3.01 General. The Contractor shall furnish a power operated self-propelled machine capable of mixing to the required plan depth of cut, and pulverizing to the size required in a single path of the machine. The machine shall be sufficient in size and equipped with cutters that will accurately cut a uniform plane over the entire width of the cut. The machine shall be of such design that a viable indication is given at all times that the machine is cutting to the proper depth required for establishing plan typical sections, cross slope and grade. [95%] of pulverized material shall pass a 1½" screen.

The aggregate asphalt mixture and added materials shall be mixed initially by a rotary mixer.

The Contractor shall furnish a mixing machine of sufficient size and equipped with mixing blades as to be capable of obtaining a uniform blending of the existing and added materials to produce a homogeneous mixture of recycled material.

After the mixture has been thoroughly mixed and aerated, it shall be spread and shaped with a grader. Spreading shall be performed to provide a uniform layer of loose material which, when compacted, shall not exceed the planned thickness and in such a manner that segregation will be minimal.

The mixture shall be considered ready for Contractor when it will bear the weight of the roller without undue displacement or cracking. Rolling shall be performed in a longitudinal direction starting at the edges and progressing towards the center, overlapping at least one-half the roller width on successive passes.

The Contractor shall demonstrate his ability to obtain a minimum density of 95% of a laboratory specimen prepared in accordance with AASHTO T-245.

The Contractor shall provide a vibratory sheep's foot compactor with a minimum centrifugal force of 50,000 pounds.

The recycled material shall be so shaped that, when compacted, the surface of the recycled pavement shall have no deviations in excess of one-half inch in ten feet ( $\frac{1}{2}$ " in 10') when checked with a ten-foot straight edge.

End of Section