

**RECLAIMED ASPHALT PAVEMENT**  
**QUALITY CONTROL PLAN**

1. Initial quality control of the reclaimed asphalt pavement is performed prior to and during crushing. Material for reclamation is separated by quality and source before being accepted for processing. Reclaimed asphalt must be free of concrete, dirt and organic materials. Stockpiles should be built throughout the winter months as to have the most material on hand with appropriate testing during production. These stockpiles are built from the ground up, completely mixing all loads as they come in.
2. Crushing of the reclaimed asphalt pavement is accomplished by means of a cone crusher and a screen deck. Oversize material is then rejected on a  $\frac{3}{4}$ " scalping material, which reprocesses the material through the cone additional times. The processed material is stockpiled at the crushing facility and kept in separate piles and separate from other products to prevent intermingling of products, as well as the feed bins to prevent intermingling of the aggregates.
3. The reclaimed asphalt pavement material is sampled during the crushing operations according to CP 30 at frequencies greater than 1/1000 tons and tested for gradation and asphalt content in accordance with CP-31A, B, and CP-L 5120. Testing is done randomly on a daily basis to ensure conformance to specifications.
4. The reclaimed asphalt pavement material at the asphalt plant is again sampled and tested according to CDOT procedures to ensure that the asphalt content and gradation meet CDOT specifications and represent initial quality control data. Once data is collected a statistical analysis is performed to determine the blend for the asphalt mixture design. This analysis is provided with the Asphalt Mixture Design submittal. The RAP will meet the Uniformity Specification as outlined in Revision of Section 402 Reclaimed Asphalt Pavement as presented in the specifications.
5. The RAP system at the asphalt plant consists of a feed bin with a variable speed motor controlled by the plant computer, which ensures the proper quantity of RAP material called for by the mix design. Material is delivered to the asphalt mixing chamber of the asphalt plant by means of conveyor belts. The RAP material falls from one conveyor to another through a shaker screen that serves to break up any RAP material that has recompacted. Any oversize material is rejected at the shaker screen. While in production, the front-end loader works the full face of the stockpile, to ensure a representative batch is being produced.
6. Prior to starting a project and at any other time necessary, the RAP feed system is calibrated by placing an amount of RAP measured by certified external scales into the feed bin. That measured material is fed from the RAP bin across the belt scales. The weights are compared and, if outside of accepted tolerances for the blending system, adjustments are made by the plant blending computer. This process is the same as for all other components of the mix design.