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## Item 8009

### Limestone Rock Asphalt (Materials Only)




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#### 1. DESCRIPTION

Provide a cold-mixed material consisting of native limestone rock asphalt (LRA) aggregate, fluxing material, water, and when specified, additives and virgin aggregates, of the types and grades shown on the plans.

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#### 2. MATERIALS

- 2.1. **LRA Mixture.** Furnish LRA according to [DMS-9210](#), "Limestone Rock Asphalt (LRA)," of the type, grade, and Surface Aggregate Classification (SAC) shown on the plans.

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#### 3. QUALITY CONTROL/QUALITY ASSURANCE

Provide quality control (QC) testing as needed to meet the requirements of this Item. The Department will perform quality assurance (QA) testing.

- 3.1. **Quality Control Plan (QCP).** Develop a written QCP and submit for approval before beginning production. Follow QCP in detail. Obtain approval for changes to the QCP made during the project. The Engineer may suspend operations if the Contractor fails to comply with the QCP.

Include the following items in the QCP:

- 3.1.1. **Project Personnel.** For project personnel, include:
- a list of individuals responsible for QC with authority to take corrective action, and
  - current contact information for each individual listed.
- 3.1.2. **Loading and Transporting.** For loading and transporting, include:
- type and application method for release agents, and
  - truck and rail car loading procedures to avoid segregation.

- 3.2. **Hauling Operations.** Transport the LRA mixture to the delivery point in trucks or rail cars as needed. Clean all truck beds or rail cars before use to ensure mixture is not contaminated. Use a release agent on the Department's MPL to coat truck beds and inside rail cars when necessary. Waterproof tarpaulins are not required to cover loads.

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#### 4. EQUIPMENT

Provide machinery, tools, and equipment necessary for proper execution of the work.

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#### 5. MEASUREMENT AND PAYMENT

- 5.1. **Measurement.** LRA will be measured by the ton of composite LRA delivered or picked up. Measure on scales in accordance with Item 520, "Weighing and Measuring Equipment." Keep records on tare weight, gross weight, and net weight of the LRA paving mixture for each load of the same type of mixture. The Materials and Test Division will measure and report the moisture content in accordance with Tex-212-F, Part II of the LRA paving mixture used to determine payment at the plant. All water and light hydrocarbon volatiles

in the mixture measured in accordance with Tex-212-F, Part II, in excess of 6.0% by weight at the time of weighing, will be deducted from the net weight to determine the quantity for payment.

The materials furnished in accordance with this Item and measured as provided under "Measurement" will be paid for at the unit price bid for the types shown below.

- 5.2. **Limestone Rock Asphalt (Site Delivery).** Payment will be made for the type, grade, and SAC specified. This price is full compensation for furnishing materials, assistance provided in sampling, loading, hauling, delivery of materials, furnishing scales and labor for weighing and measuring, and equipment, labor, tools, and incidentals. If bid codes in the estimate indicate location numbers, each location will be shown in the plans.
- 5.3. **Limestone Rock Asphalt (Vehicle Pickup).** Payment will be made for the type, grade, and SAC specified. This price is full compensation for furnishing materials, assistance provided in sampling, loading, furnishing scales and labor for weighing and measuring, and equipment, labor, tools, and incidentals.