

## ASPHALTIC CONCRETE TYPE SRM (J-31-0315)

Asphaltic Concrete, Type SRM shall meet all of the requirements of Asphaltic Concrete, Type SPR, listed in Section 1028 and these Special Provisions, with the following exceptions:

### 1. Material Characteristics:

- a. The type of PG Binder used shall be PG Binder 58-34 with 0.9% of an approved amine-based WMA additive.
- b. Reclaimed Asphalt Pavement (RAP) will be added to the mix at a minimum of 35% and a maximum of 65%.
- c. The mix shall contain a minimum of 10% Crushed Rock (with a maximum of 20% passing the #4 sieve).
- d. The Asphaltic Concrete shall have a minimum Fine Aggregate Angularity (FAA) of 42.0 and a minimum Coarse Aggregate Angularity (CAA) of 65 on the combined aggregate blend.
- e. Asphaltic Concrete Type SRM shall use the gradation band listed below.

**Gradation Control Points for Type SRM**

English Sieve (Metric)	Control Points (percent passing)	
	Minimum	Maximum
3/4 inch (19 mm)	92.0	98.0
3/8 inch (9.5 mm)	80.0	92.0
No. 8 (2.36 mm)	42.0	60.0
No. 50 (300 μm)	10.0	22.0
*No. 200 (75 μm)	4.0	12.0

\* Dust to binder ratio is the ratio of the percentage by weight of aggregate finer than the No. 200 (75 μm) sieve to the asphalt content expressed as a percent by weight of total mix. The dust to binder ratio shall be between 0.70 and 1.90.

### 2. Design Criteria:

The optimum binder content shall be the binder content that produces 1.5 to 3.5 percent air voids at 65 gyrations, with a minimum binder content of 4.5%.

### 3. Placing and Finishing:

Initial compaction shall begin before mix temperature is at or below 200° F.

**Method of Measurement:**

- a. For each lot of Asphaltic Concrete Type SRM, the asphaltic concrete shall be paid by the contract unit price for the item "Asphaltic Concrete, Type SRM". The asphaltic concrete unit price is a product of all applicable pay factors.
- b. The pay factors for the single test air voids and moving average of four air voids pay factors will be determined in accordance with Table 1:

**Table 1**  
**Acceptance Schedule**  
**Air Voids - N<sub>des</sub>**

Air voids test results for Asphaltic Concrete Type SRM	Pay Factor	
	Moving average of four	Single test
0.0% to 0.4%	50% or Reject	50% or Reject
0.5% to 0.9%	50% or Reject	95%
1.0% to 1.4%	90%	95%
1.5% to 1.9%	100%	100%
2.0% to 3.0%	102%	104%
3.1% to 3.5%	100%	100%
3.6% to 4.0%	95%	95%
4.1% to 4.5%	90%	95%
4.6% to 5.0%	50% or Reject	90%
5.1% to 5.5%	50% or Reject	50%
5.6% and over	50% or Reject	50% or Reject

**Basis of Payment:**

Paragraphs 2.a., 2.b.(1), 2.b.(2) and 2.b.(3) of Subsection 503.06 are void and superseded by the following:

Asphaltic Concrete Type SRM shall be paid per ton (Mg) for the item "Asphaltic Concrete Type SRM".