

SECTION 02968

OPTIONAL USE OF RECLAIMED ASPHALT PAVEMENT

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Option to incorporate Reclaimed Asphalt Pavement (RAP) materials into hot mix asphalt.

1.2 RELATED SECTIONS

- A. Section 02741: Hot Mix Asphalt (HMA).
- B. Section 02745: Asphalt Material.
- C. Section 02746: Hydrated Lime.

1.3 SUBMITTALS

- A. Quality plan:
 - 1. Submit for Engineer's approval.
 - 2. Provide for independent extraction and gradation testing of the reclaimed material and the total mixture.

1.4 QUALITY CONTROL

- A. Provide independent testing on commercial sources at no additional cost to the Department.
- B. For project specific sites, the Department participates in the design.

PART 2 PRODUCTS

2.1 MIX DESIGN

- A. Provide separately for each reclaimed, virgin, and combined portions:
 - 1. Gradation
 - 2. Viscosity 140 degrees F
 - 3. Penetration 77 degrees F
 - 4. Asphalt content
- B. Recovered asphalt cement from combined mix must be the same as the grade specified for the hot mix asphalt. A recycling agent may be used.
- C. Meet all requirements of Sections 02741 and 02745 for combined virgin and RAP.
- D. Specify the percent by weight of reclaimed material to be used in the combined mix.
- E. May use up to 25 percent RAP by total weight in the hot mix asphalt.
- F. May use up to 60 percent RAP only under special conditions and upon written approval.

PART 3 EXECUTION

3.1 RECLAIMED MATERIAL

- A. Crush or screen the reclaimed material to pass a 1-1/2 inch sieve and to be retained on a No. 4 sieve.
- B. Do not use material retained on the 1-1/2 inch sieve or passing the No. 4 sieve.
- C. If 15 percent or less RAP is used, material passing the No. 4 sieve may be used as long as all other requirements are met.
- D. The screened reclaimed material must be free of organic materials, soil, or other foreign substances.

3.2 LOTTMAN TEST

- A. Engineer performs a Lottman test on the proposed job mix following UDOT Materials Manual, Procedure 8-957.
- B. Engineer determines the percentage of lime to be used. Refer to Section 02746.

END OF SECTION