LLP HMA
Reclaimed Asphalt Pavement (RAP)

Pre-Bid Conference
District 2
Redding, CA
October 12, 2011

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Overview

- Required Use of RAP in LLP HMA
- Mix Design Requirements for LLP HMA with RAP
- LLP HMA RAP Source
- Processed RAP Requirements
- RAP Quality Control
Required Use of RAP in LLP HMA

- You must use 25% RAP in HMA (25% RAP, Long Life)
- You may use up to 15% RAP in HMA (15% Max RAP, Long Life)
- The provisions in Section 4-1.035B, "Value Engineering Change Proposal," of the Standard Specifications do not apply to HMA (15% Max RAP, Long life) or HMA (25% RAP, Long Life).
Mix Design Requirements For LLP HMA With RAP

For the mix design of HMA (25% RAP, Long Life), perform Laboratory Procedures (LP-9) using 25% RAP, on combinations of aggregate gradations, RAP, and asphalt binder content.

For the mix design of HMA (15% RAP, Long Life), perform Laboratory Procedures (LP-9) using 15% RAP.
LLP HMA RAP Source

- You may sample existing asphalt concrete from the project site by coring, milling, or grinding.
- RAP for HMA (25% RAP, Long Life) must come from the areas shown on the plans.
Processed RAP

- Processed RAP must be fractionated into two sizes, a coarse fraction (1/2 to 1 inch) and a fine fraction (<1/2 inch).
- Each processed RAP dedicated pile must be isolated from all other materials.
- Store RAP in conical stockpile.
- RAP must not be agglomerated or congeal in large piles.
RAP Quality Control

39-1.04E Reclaimed Asphalt Pavement

- Perform RAP quality control testing each day.
- Sample RAP once daily and determine the RAP aggregate gradation under Laboratory Procedure LP-9 and submit the results to the Engineer in writing with the combined aggregate gradation.