California Chip Seal Association
2011 Innovation Award

Entry Submission by:
International Surfacing Systems

In behalf of
The City of Stockton

2010 Street Cape Seal Project  10-14
FY 2009-10 Street Cape Seal Project  10-13
Project Goal

- In Working with the City of Stockton (California) the goal of International Surfacing Systems was to develop a field blended pavement maintenance treatment with no solubility requirement that would avoid extended traffic delays, hold up to areas of heavy ADT, meet the Calrecycle 15% CRM binder requirement, and stay within the City budget.
The result was a field blended Crumb Rubber Modified Binder Chip Seal pavement maintenance treatment.

The binder was placed at .40 gal/sy with 3/8” hot pre-coated aggregate, followed by the placement of a Type II micro with black aggregate.

This combination provided an affordable treatment with minimal prep work, which has performed well under varying traffic conditions.
The City of Stockton
Combined Projects Achievements

- Placed a Crumb Rubber Modified Binder Cape Seal on **87 lane miles** of city streets (1,151,638 sy).

- Utilized **78,825 California tires**, preventing them from being placed in landfills.

- Stockton should see a 7 to 10 **year benefit** from this low cost maintenance treatment.

- Utilized State and Federal grants, including grants from Calrecycle, to fund these projects.
Application of Field Blended Crumb Rubber Modified Binder
El Dorado Street, Stockton, Ca
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