Lytle Creek Road
Scrub Seal/Interlayer -
San Bernardino Co.

CCSA 2011 Award of Excellence in
Contracting Nomination

December 15, 2011
CCSA 2011 Award of Excellence in Contracting – Project Information

- **Name of the contracting agency/customer:**
  
  COUNTY OF SAN BERNARDINO, DEPARTMENT OF PUBLIC WORKS, TRANSPORTATION

- **Name of the contractor:**
  
  ALL AMERICAN ASPHALT (PRIME)

  MANHOLE ADJUST (SUB)

- **Name of the project.**
  
  LYTLE CREEK ROAD SCRUB SEAL INTERLAYER - H14448

- **Location of roadway(s) including mile markers if available.**
  
  FONTANA, CA; 3.4 MILES SE of Sycamore Drive NW to 3.68 MILES (3.68 MILES)
Western Emulsions, Inc.

CCSA 2011 Award of Excellence in Contracting – Project Information

- Key personnel on the project for contracting agency/customer & contractor.
  
  SB COUNTY:  
  - Nidham Al-Reyes, Project Engineer
  - Ryan Brown, Project Inspector
  - Darryl Tafoya, Material Inspector

  MANHOLE ADJUSTING:  
  - Leo Quintero

  WESTERN EMULSIONS:  
  - Kevin Donnelly, Director of Pavement Preservation
History of the roadway:

Roadway is an arterial that services approximately 400 residents, and provides primary access to a variety of public uses including the Mountain Lakes Resort, and the Lytle Creek Shooting Range and San Bernardino County Sheriff’s Regional Public Safety Training Center.

Written description of roadway before application and pictures.

This road mostly had low severity L&T and blocking cracks with some medium severity L&T and blocking as well. There was an isolated location by the main town area that required us to do a grader patch with PG64-16 prior to placing the scrub seal. This location was 11,500 SF.
Goal of the surface treatment used:

To overlay and repair the roadway surface without having any reflective cracking return, extend the expected service life of the overlay. The scrub seal helped the County to prevent reflective cracking and eliminate the need to use crack sealant as a preparatory step.

Application of surface treatment including quantities and application rates:

PASS CR asphalt rejuvenating emulsion applied at a rate of .22 to .40 gallon per square yard (per County Special Provisions)

Materials used including suppliers:

- EMULSION – WESTERN EMULSIONS, INC – PASS CR REJUVENATING EMULSION
- AGGREGATE – CHANDLER 3/8"
- ASPHALT - ALL AMERICAN ASPHALT MIX# 100836 TYPE G RUBBERIZED ½” MAX (PERRIS DRUM PLANT)

Subcontractors used in application process (i.e. Striping, crack sealing):

Striping by Cal Stripe

Special considerations (i.e. Traffic, staging, subcontractor coordination, etc.): NONE
December 15, 2011

Kevin Donnelly
Director of Pavement Preservation
Western Emulsions Inc.
3 Monarch Bay Plaza Dr. Suite 210
Dana Point, CA 92629

Re: CCSA Chip Seal of the Year Award Recommendation – Lytle Creek Road Scrub Seal

Dear Kevin,

On behalf of the San Bernardino County Public Works Transportation Department, it is my pleasure to recommend the Lytle Creek Road Scrub Seal/Interlayer project for consideration to receive the 2011 Chip Seal of the Year award.

San Bernardino County’s road conditions require a proactive pavement management strategy employing a range of tools and treatments to cost-effectively extend pavement life and provide smooth, safe driving conditions for our residents. The Scrub Seal Interlayer treatment using PASS CR rejuvenating emulsion has proven to be an effective strategy for the County. The PASS CR emulsion has demonstrated the ability to seal surface cracking and provide a stress-absorbing layer underneath the final overlay, mitigating significant reflective cracking that would otherwise affect the final asphalt overlay.

Lytle Creek Road mostly had low severity longitudinal, traverse and blocking cracks along with some medium severity cracking. Our goal was to overlay and repair the roadway surface without having any reflective cracking return. The Scrub Seal Interlayer with PASS CR helped us to prevent reflective cracking and eliminate the need to use crack sealant, which saved us time and expense.

We enthusiastically support this submission and believe Western Emulsions and the contractors involved deserve to be recognized for their efforts and support.

Sincerely,

Medhat Matta, P.E.
Pavement Engineer
The following slides contain project before and after photos of the Lytle Creek Scrub Seal/Interlayer project.
Interlayer Applied to First Lane
Close up – Interlayer on First Half of Roadway