



## FIELD REPORT

### Laughlin – Clark County, NV – Casino Drive

Reclamite® Preservative Seal Application

Repair date: 5/23,24/2005

Evaluation: 9/23/2005

**LOCATION:** Laughlin, Nevada – Civic Drive North from Casino Drive and Needles Highway

**REFERENCE:** Clark County – Headquarters: Las Vegas, Nevada

**PRODUCT** Reclamite® Preservative Seal

**PLACEMENT:** Application rate .13 gallons of a 1:1 dilute per square yard

**HISTORY:** Open grade hot mix is typically used by Clark County. This mix has a similar appearance to a coarse chip seal. The Civic Drive and Needles Highway pavements were exhibiting premature raveling. Ergon Asphalt & Emulsions, Inc. Chandler, AZ and Las Vegas, NV suggested the use of Reclamite® Preservative Seal as a low cost method to stop further distress and loss of stone. Reclamite® is a cationic rejuvenator emulsion manufactured by Tricor Refining. The product does not contain asphalt binder. It is a petroleum oil resin composed of maltenes and saturates designed to penetrate and flux with the existing asphalt binder.

#### APPLICATION PROCESS:



1. Welcome to the City of Laughlin, Nevada. Ambient temperature on application date: 110 - 116 deg. F.



2. Reclamite® application by distributor truck. Product was diluted with water 1:1. Application rate was .13 gallons per square yard



3. Close up of treated surface. Needles Highway



4. Raveled appearance of open grade mix. Civic Drive



5. View of Civic Drive from Casino Drive. Outer lanes were coned off and traffic diverted to center lanes while outer lanes cured



6. Sanding application by Clark County was applied at 2 lbs. sq. yard. (1 kg.sq. m.) A Spinner pull trailer was used.



**RESULTS:** 275,000 square yards open grade mix was sealed in 2 days. The distributor applicator was Las Vegas Paving. Traffic control and sanding was handled by Clark County. Rapid penetration of the emulsion was experienced with virtually no tracking. Ambient temperature on May 23/24, 2005 was 110-116 deg. F. Results will be monitored by the county

The purpose for the use of Reclamite® Preservative seal was to penetrate, seal off the pavement and help reset the loose aggregate that was raveling without affecting the open grade design of the mix. Reclamite® Preservative Seal finds use in the following applications:

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- Fog or construction seal to new asphalt pavements
  - Fog seal to pavements as a preservative seal in the first few years of pavement life
  - Reclamite® is the 1<sup>st</sup> step in a pavement preservation program before wear course seals are required.
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Surface appearance of Civic Drive and Needles Highway on September 23, 2005. Noticeable tightening of aggregate reversing raveling and no effect to the porosity of the open graded mix.



Vancouver, Washington



Yellowstone National Park, Montana

Above photos show rejuvenation and tightening of the binder over time. Pavements sealed with Reclamite® Preservative Seal. This effect is expected for the Laughlin project.

**For Reclamite® Product Data Sheets, Application Instructions, Construction Specifications and Demonstrations contact Tricor 661-393-7110 ext 107 or**  
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