

# Sustainable Solutions, Better Roads



## SIP- Rejuv 1111

SIP Rejuv™ rejuvenator is an all-natural additive that builds better and more sustainable pavements. SIP Rejuv is specifically engineered to react and restore aged binder on Recycle Asphalt Pavement (RAP). This allows asphalt to achieve percentages up to 50% RAP content.

✓  
Improved  
Cracking  
Resistance

✓  
Improve  
Overall Binder  
Performance

✓  
Improved  
Rutting  
Resistance

✓  
Aging  
Resistance

✓  
Improved ATc  
Performance

SoyLei will assist you at every step along the way from testing materials to product dosing to on site support. Your need is our service.

### Partnership

National Center for Asphalt Testing (NCAT), National Road Research Alliance (NRRRA),

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# SIP<sub>1111</sub> Rejuv in the Pavement

SIP Rejuv<sup>TM</sup> rejuvenator uniquely reacts with the damaged sites within the aged asphalt binder. This reaction reverses the stiffness that occurs from aging. Making the binder like new and flexible to produce a superior asphalt mix.



## SIP<sub>1111</sub> Rejuv in Minnesota

**58-28S**  
**4.5% SIP Rejuv**

Binder



**XX-34S**  
 **$\Delta T_c$ : 1.7**

**w/ 40% RAP**

Mix



**DCT: 425 J/m<sup>2</sup>**

SIP rejuvenator was 3rd party tested by the NRRRA and MnDOT as Head-to-Head against industry competitors. 2 years of testing SIP Rejuv is outperforming the field.

### Case Study

**Impact: Customer saves \$1.75/ ton**

- ✓ **Overview** - Customer wanted to increase RAP content from 30 to 40%.
- ✓ **Process and Materials** - SIP 1111 inline blended with 58-28S.
- ✓ **Performance and Benefits** - Improved compaction densities were achieved. Testing confirmed improved performance of the binder and mix testing.

Product Data Sheet



Case Study



Safety Data Sheet

