



**Gee**  
ASPHALT  
SYSTEMS,  
INC.

**Asphalt Preservation Program**



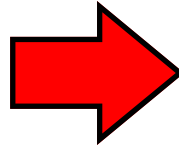
**Crack Sealing for Asphalt**

# Crack Sealing

## For Asphalt Preservation

**Asphalt Preservation means  
fixing it *before* it breaks!**

### WHY SEAL CRACKS in ASPHALT PAVEMENT?



#### The Preservation Philosophy

Pavement preservation offers a ready solution that can put dollars back into the budget. "Preservation teaches us to fix it before it breaks. This philosophy when applied extends the service life and saves dollars". Jim Sorensen FHWA

For many, escalating costs make it difficult, if not impossible to afford the high cost of replacing their asphalt pavement. In the past, many agencies have practiced a reactive maintenance program. Or in other words, waiting for the pavement to break then administering a fix.

Preservation makes sense. Research shows significant cost savings over the old "wait until it breaks" philosophy. According to recent FHWA data, cost savings can reach a 10:1 ratio. Or, for every dollar spent on proven preservation techniques, a future savings of up to ten dollars can be attained.

#### Develop a Preservation Strategy...

Stopping water from entering the sub-base structure is critical to maximizing pavement life. Properly placing an ASTM hot applied crack and joint sealant in cracks is an important first step in the process. Hot applied ASTM 3405 rubberized sealants provide:

- High Resiliency, up to 300%
- Great Cold Weather Performance
- Excellent Adhesion & Bonding Performance
- Quick Application Process





**Crack sealing will preserve the dollars invested in asphalt pavements!**

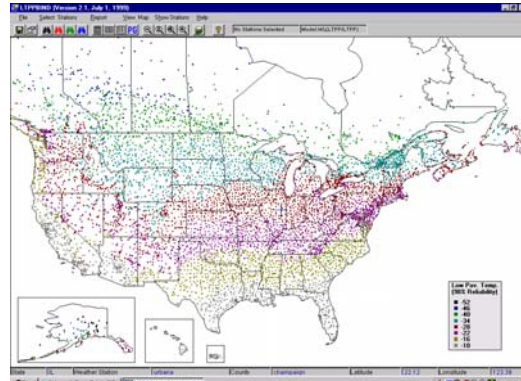


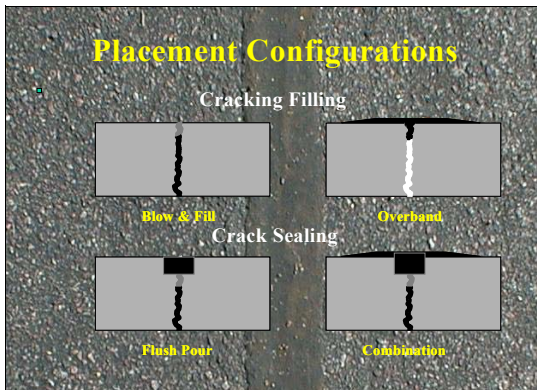
Chart Shows Pavement Freeze Zones

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### **Route first, and then seal cracks.**

Below are several recognized techniques for sealing cracks. Most popular is the flush pour method. This method seals the crack while simultaneously keeping sealant below the surface and away from tires, plows and pedestrian traffic.

Routing increases cost by about 15%, but will also increase sealant performance by 50% or more. Call Gee Asphalt Systems for information about a pavement preservation strategy that will make your pavements into perpetual pavements!



### **Survey, Design, Implement, Monitor**

An annual inspection and **survey** of your pavements is the first step after recognition of need for preservation. This will enable us to determine which pavement sections will respond to preservation, and which are beyond it. Next, we will **design** a strategy that will fit into your budget and bring your pavement sections into a higher level of service, and reduce the cost of owning asphalt.

**Implementation** of the design parameters is the next phase of the preservation strategy. That means once pavement sections are inspected and a strategy is designed, then the plan is executed. Finally, the program is **monitored** afterwards by accepted testing procedures to ensure the program is working as planned and adjusted accordingly.

### **Preservation is Cost Effective!**

Preservation applications are cost effective. Extensive FHWA, MDOT, AzDOT research shows reduced costs up to 60% compared to the worst first practices. We'll help you survey and inventory your pavements then develop a plan that will work on your pavements, and within your budget! Call now and we will help you establish your own preservation strategy.

**For More Information call:**



**Asphalt Preservation Specialists**

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