



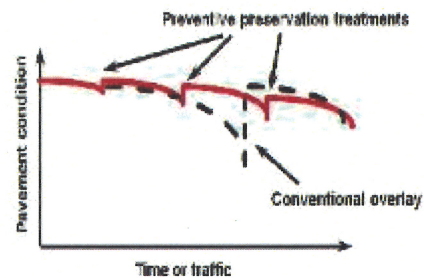
What is BST?

PAVEMENT PRESERVATION

A good street system is a critical component of a healthy economy and a strong community. Well-maintained streets are vital to our local economy and essential in connecting our citizens. Whether moving goods and services to and from our local businesses or ensuring that our children have a safe route to school, our streets connect us together. Our aging streets must be preserved in good physical condition to provide the high level of service we demand.

FAST FACTS

- Return on Investment (ROI) – According to the American Public Works Association, every \$1.00 spent on pavement preservation will **save from \$4.00 to \$5.00** or more in rehabilitation/reconstruction costs.
- On average, pavement preservation projects support approximately **25% more jobs** on a dollar for dollar basis compared with new construction or rehabilitation projects.
- Pavement preservation is socially responsible and eco-friendly. It utilizes up to **80% less of the Earth's non-renewable resources** than highway rehabilitation and reconstruction programs.
- Pavement preservation improves efficiency and safety, reducing motorist delays by using techniques that can be **completed faster with less traffic disruptions**.



THE SHORELINE BST SYSTEM

The first step in the BST system is to spray a coating of emulsified asphalt oil onto the street surface and then immediately cover the oil with specified rock size (3/8" or less). Rollers are then utilized to embed the rock into the oil. This first seal is allowed to cure and harden for typically three to seven days. The second step consists of a fog seal, which is a light coating of slow-setting emulsified asphalt sprayed on the rock to seal the new road surface. The result is a cost-effective seal coat that will preserve the existing pavement, slow pavement deterioration, and provide a new pavement wearing surface. See the photographs below, which show the typical two-part BST/fog seal.

Asphalt and chips are applied to the existing pavement



A fog seal is applied after the BST has cured



COST-EFFECTIVE SOLUTIONS TO PRESERVE OUR STREETS

Pavement preservation is the concept that it is better to keep good pavements in good condition and not to allow them to deteriorate to the point where costly rehabilitation methods are required. The idea is to recognize the value of the existing pavement network and establish it as a priority for the preservation of the investment that has already been made.

Pavement preservation takes advantage of the pavement deterioration curve by focusing on the purchase of inexpensive preservation treatments that can cost a fraction of the cost of standard street rehabilitation methods. Preservation focuses on the use of surface treatments on regular frequent intervals to give a small boost to the condition of an already good pavement. Pavement preservation techniques are employed only on those pavements that are structurally sound.

BST BENEFITS

- Preserves surface condition
- Slows pavement deterioration
- Seals cracks
- Restore skid resistance
- Corrects minor pavement damage
- Saves money, compared to overlays



What is happening on my street?

In preparation for the 2015 Pavement Preservation Project, the City's Street Maintenance crews are actively preparing the streets by patching, sealing, and trimming vegetation that would interfere with the project. These activities require trucks and heavy equipment to be working in and around your neighborhood, so please exercise caution around the equipment and in our work zones. We also ask you to closely monitor the activities of your small children and pets while work is proceeding for their safety and ours.

All private trees and vegetation need to be trimmed back behind the edge of the pavement to allow room for large dump trucks, street sweepers and equipment. Any branches extending out over the pavement edge must be trimmed back and to a vertical height of 13 feet prior to the start of the project.

What can residents do to help?

- **Be aware of posted dates and times! We ask that you move your vehicles off the street and clear the street on the day that the BST will be applied.**
- **If you will be out of town during the project dates, please be sure your vehicles are not parked on the street. It delays the project and requires us to tow vehicles.**
- **Please Drive Slowly**
- **Don't Spin your Tires – accelerate slowly**
- **Don't Turn the Steering Wheel when your vehicle is not moving**