



Pavement Maintenance – Chip and Fog Seal

The Chip and Fog Sealing method of pavement preservation is being introduced to the City of Piqua. The Chip Seal consists of applying small aggregate to a thin layer of liquid asphalt. The aggregate cures with the liquid asphalt and protect the pavement surface from weathering. A Fog Seal is applied on the chip seal to increase aggregate retention and make the road smooth to drive on. The finished product looks and feels like a resurfaced road.

FREQUENTLY ASKED QUESTIONS

How will the Chip and Fog Seal applications affect you?

- Your street will be closed on two separate days, from approximately 7:00 a.m. to 5:00 p.m. The first closure will be to prepare and apply the Chip Seal. Sweeping and patch work will be completed during this time. Chip Seal takes several hours to dry. During that time, motorists and pedestrians must stay out of the Chip Seal so as not to ruin the application and to avoid getting seal on vehicles and shoes (animals need to avoid the street as well). The second closure, occurring approximately a day after the Chip Seal, will be to apply a thin asphalt emulsion, called a Fog Seal. The Fog Seal will further seal the Chip Seal, making the road a smoother ride, and creating a new looking road.

What do I need to do?

- You must remove all vehicles and other objects from the street. This includes trailers, garbage cans, etc.
- You must avoid outdoor water use if it causes water to flow onto the street. Water will hinder the Chip Seal curing process. If you water your lawn or wash your car on Chip Seal day, please make sure the water does not flow onto the street.

What is Chip Seal?

- Chip Seal is a preventive maintenance method that combines a layer of liquid asphalt with a layer of fine aggregate. A dump truck full of chips (aggregate) locks onto a spreader and is pulled backwards. A thin layer of liquid asphalt is sprayed down in front of the chip spreader.

What does Chip Seal do?

- Residential streets tend to deteriorate due to weathering (rain, sun and freeze/thaw cycles). The chip seal restores the surface and protects the pavement from oxidation and moisture intrusion.

When will my street be closed for the Chip Seal/Fog Seal application?

- Check the information included in this letter to determine which day your street is scheduled to be closed. A couple of days before the closure, no parking signs will be posted along your street. We do our best to adhere to the schedule, but bad weather and other factors can cause delays. If your street closure dates change, signs on your street will display the updated street closure date and notices will be displayed on the City website.

How is Fog Seal applied and what should I expect?

- On the morning of the Fog Seal, the street is swept with the street sweeper.
- The Fog Seal is a liquid asphalt emulsion that is applied to the top of the Chip Seal. Once it is done, the road will look and feel like a resurfaced road.
- Motorists can drive on the Chip Seal application a few hours after it has been applied, while the Fog Seal dries a little faster allowing for the road to be opened sooner.



What if it rains?

- Light rain or passing showers may not delay the Chip Seal application. For the Fog Seal application, the street must be completely dry. If we have or anticipate significant rainfall, the Chip Seal application may be postponed to another day. You will be notified of the new application date via updated signs along your street and City website notices.

What if I need to drive somewhere?

- Park your vehicle on a nearby street that is not being worked on. Use the attached map and check area signage to plan your route and where to park.

What if there is an emergency?

- Should an emergency arise, emergency vehicles will be given access to the street.

What about garbage pickup, mail delivery, etc.?

- You should not experience any interruptions. Put garbage cans out early on your regular collection day at the edge of your driveway. Sanitation crews and mail carriers will work around the Chip and Fog Seal application to provide service.

Why are we using Chip and Fog Seal?

- Chip and Fog Seal serves as a more cost-effective approach to managing pavement. This preventive maintenance method is 1/3 the cost of a traditional resurfacing. Using maintenance methods like Chip and Fog Seal will allow the city to treat more roads each year.

Concerns you may have after the Chip Seal but before the Fog Seal.

- There will be loose aggregate on the road for approximately a day or so. The road will be dusty and feel similar to a gravel driveway. Driving speeds should be lowered to reduce these affects. These will be temporary conditions as after the Fog Seal is applied, these problems will not persist anymore.

Contact Details for Questions, Concerns, or More Information:

Call the Public Works Department at 937-778-2095

WE APPRECIATE YOUR HELP AND PATIENCE