

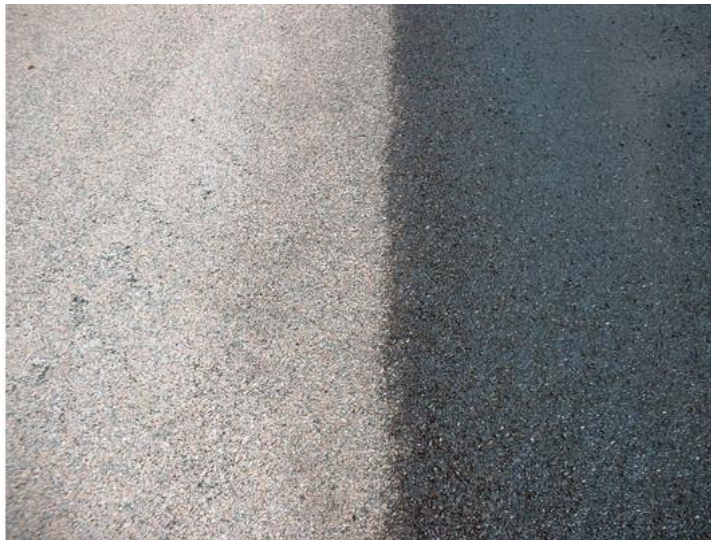
FOG SEAL: GSB-88

WHAT IS IT: GSB-88 is a type of fog seal used to extend the effective life of the pavement. A fog seal is a light application of asphalt emulsion that is applied to the entire surface of a roadway.

BENEFITS: Fog Seals, in general, help to extend pavement life by providing a top “seal” that reduces water infiltration and oxidation. It provides a smoother, uniform black appearance to the surface of the road that improves aesthetics. The pavement’s dark color also increases the road’s temperature which benefits winter maintenance.

GSB-88 VS TYPICAL FOG SEAL: GSB-88 penetrates into the asphalt to form a seal that is not just on the surface. Typical sealcoats lay on the surface of the pavement much like peanut butter while GSB-88 seeps down into the pavement more like butter on bread. This means that when a typical fog seal is worn off the seal is no longer effective while GSB-88 can wear off of the surface but still provide a seal. For more information on the GSB-88 Seal click [here](#).

WHAT TO EXPECT: The curing time for the fog seal material will vary depending on the pavement surface conditions and the weather at the time of application. Under ideal conditions, traffic should be kept off the fog seal material for **four to six** hours. Local roads will be closed while the treatment is applied and shortly after to allow for the GSB-88 to fully cure. Higher volume roads will be treated part width, i.e. while one lane is being treated, traffic will be allowed on the opposite lane. The picture below shows an aged section of asphalt pavement before (left) and directly after a fog seal has been applied (right).



If your driveway is located on a street designated for treatment, **park on a nearby street* the night prior to the treatment.** *Please park on a nearby street that is NOT being treated the same day as the street you access your driveway from (please see the attached map). Overnight on-street parking restrictions will be waived during the project.

WHEN TO EXPECT IT: Gee Asphalt Systems will start treating roads in St. Joseph in the fall of 2018. Work not completed in the fall will be done in the spring of 2019. The fall work will start on September 13th, 2018 and end on September 19th, 2018. Spring work is expected to happen sometime between April 29th, 2019 and June 14th, 2019. The City and Gee Asphalt will define specific dates for the work in early spring.

WHERE TO EXPECT IT: The City has identified ~ 7 miles of asphalt roadways that will be treated. These roads are either newer asphalt roads or slightly older roads where the pavement has remained in good condition. For the phasing of the project, please see the attached map. In the case of inclement weather, work will be delayed. The roadways scheduled for that day will then be moved to the end of the list to maintain the original schedule for the days that immediately follow. This is in an attempt to minimize confusion and the need for additional resident and property owner notification. Please see attached notice with instructions for those who live adjacent to the roadways to be treated.



Attention All Residents in the City of St. Joseph, MI

The City of St. Joseph, MI is proactively moving towards “pavement preservation strategies” to preserve our pavement infrastructure. This means we will be treating our newer roads with GSB-88. GSB-88 slows the aging process and extends pavement life, delaying repaving for many years. This sealing process saves money as well as natural resources.

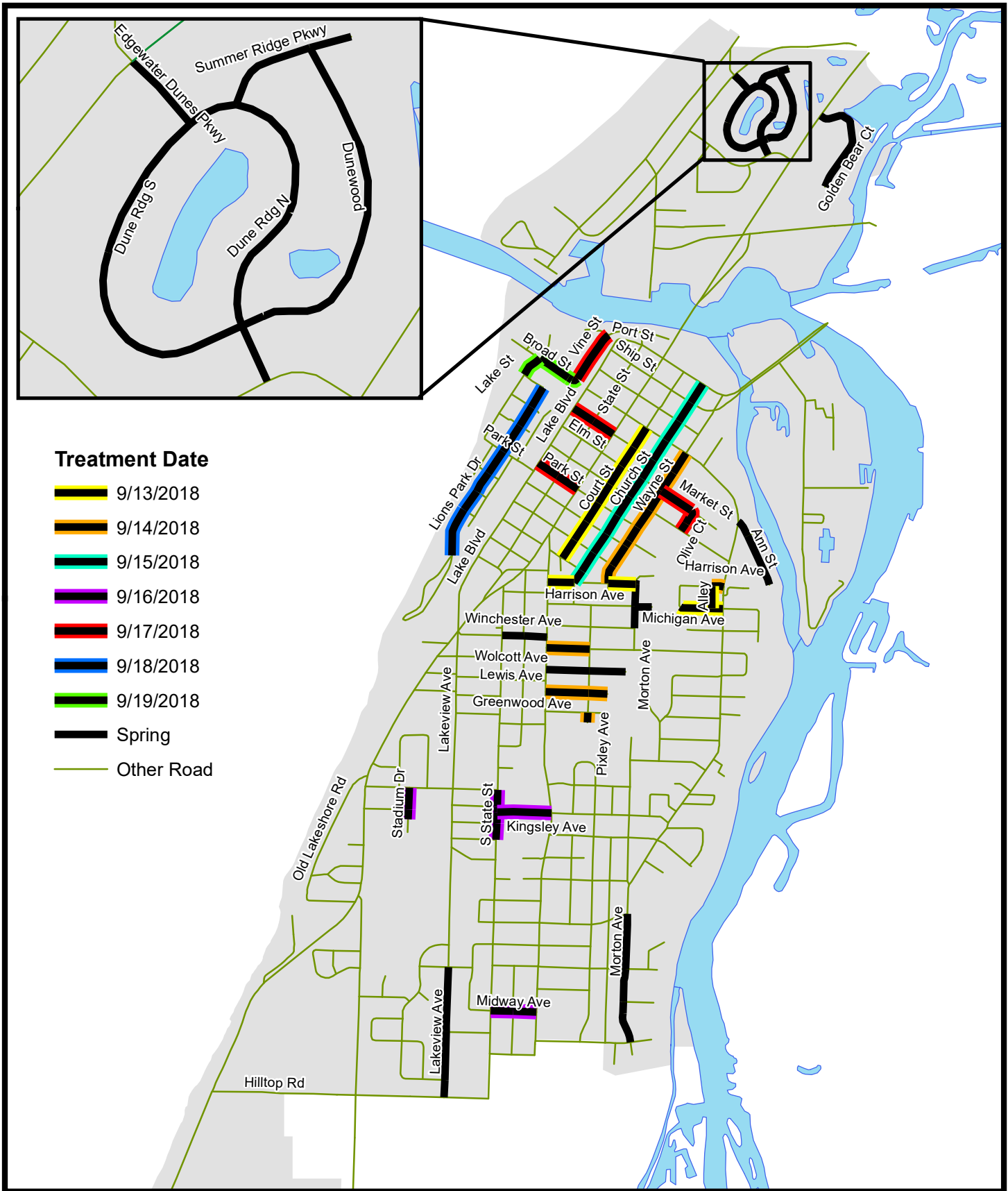
Treatment Dates: September 13th – 19th

Instructions for all residents:

- 1) If your driveway is located on a street designated for treatment, **park on a nearby street* the night prior to the treatment.** *Please park on a nearby street that is NOT being treated the same day as the street you access your driveway from (please see the attached map). Overnight on-street parking restrictions will be waived during the project.
- 2) **Please follow any roadway signs and caution cones carefully.**
- 3) You **will have** driveway access later the same day.
- 4) We recommend not returning to your driveway until the GSB-88 has cured, usually about 4-6 hours after it is applied to your street.
- 5) Rain days and/or equipment problems may delay the treatment. In those cases the treatment will be rescheduled based upon when crews are able to return to complete the work.
- 6) We recommend **not** scheduling any contractors, landscapers, or deliveries on these days.
- 7) Please turn off sprinklers two days prior to your street being done.
- 8) If you forget to move your car, and need to leave home after your street has been sprayed, **drive very slowly** through the material to the untreated or dry part of the street. **Drive slowly until the material has worn off your tires. DO NOT drive on wet material and drive on your driveway. It WILL TRACK onto your driveway!**

Please direct project specific questions to
Assistant City Engineer, Alex Austin (email: aaustin@sjcity.com, telephone: 269-983-5541)
or City Engineer, Tim Zebell (email: tzebell@sjcity.com, telephone: 269-983-5541)
if Assistant City Engineer Austin is not available.

Thank you in advance for your cooperation.



1 inch = 2,000 feet

2018 Preventive Maintenance Project Projected Schedule

