

## FREQUENTLY ASKED QUESTIONS:

### **How soon after the work is complete can I drive on my street?**

You will be able to drive on the roadway approximately thirty minutes after the rejuvenating scrub seal has been installed. You will be able to drive on the roadway approximately 2 – 5 hours after the micro-surfacing has been installed. All residents will be notified 48 – 72 hours prior to when there will be street closures in their neighborhood.

### **How long after the work is complete will the road surface continue to “shed” (produce small loose gravel)?**

Residents can expect the road surface to “shed” for a period of 2 – 4 months after installation, depending on the amount of traffic utilizing the road. The contractor will perform two separate cycles of sweeping on the streets prior to the completion of the project and City Maintenance crews will continue to sweep the streets and remove the loose rock after the Contractor’s work has been accepted.

### **Why is the City utilizing this process rather than a typical asphalt overlay?**

The rejuvenating scrub seal / micro-surfacing pavement rehabilitation process has been proven to be at least equal, and perhaps superior to, the traditional overlay method. This process is environmentally friendly, has fewer impacts to neighborhoods, is cost effective and will allow the City to complete all the streets anticipated in the Measure A & B programs.

### **Will my street be rougher than a street that was paved with a traditional overlay?**

Yes, but it will get smoother over time. The roughness of the street is a result of the small material contained in the final layer of applied material. This will gradually dissipate as vehicles travel over the surface and the material fully cures. With additional street sweeping and weather, residents can expect a surface which becomes nearly as smooth as a traditional overlaid street.



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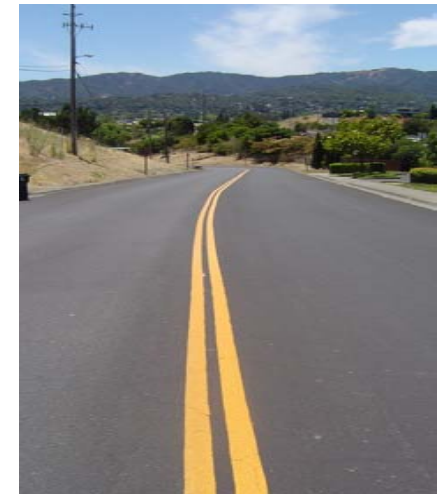
If you have any questions or concerns please contact the Public Works Department, City of Novato, at (415) 899 – 8246 or by email at [pw@cityofnovato.org](mailto:pw@cityofnovato.org)



## CAPITAL IMPROVEMENTS PROGRAM

## REJUVENATING SCRUB SEAL & MICROSURFACE PAVEMENT REHABILITATION

## PROJECT DESCRIPTION & FREQUENTLY ASKED QUESTIONS



## **Background**

In the past, the conventional method of roadway rehabilitation was to grind the road (either at the edges or the entire surface), place pavement reinforcing fabric and place a new layer of asphalt concrete (AC) over the entire surface. The cost of this type of rehabilitation has risen sharply over the past five years due to fuel cost increases, inflation and overall demand of rock and oil.

With limited funding, the City sought an alternative paving strategy to reduce costs and more efficiently minimize the damage caused by weather and traffic and extend the life of the City's roadways. Any new strategies were to address these criteria identified by the City; cost efficiency, waste reduction, environmental friendliness, resistance to the effect of expansive soils and durability.

The City determined that the rejuvenating scrub seal process with a micro-surfacing or slurry seal finish addressed the criteria. City staff reached this conclusion based on the input of various cities and counties in the Bay Area and several additional cities in Northern California who have utilized this process. Additionally, City staff visited several cities in Northern California to inspect installations between three and ten years in age, and found their installations were in fine condition. Locally, the City of Larkspur has used the process to rehabilitate a portion of its streets. Additionally, Caltrans has used the process on its highway system.

The passages of the City's Measure B and County's Measure A, indicated that Novato and Marin residents have a strong desire to upgrade and maintain community streets. Using the rejuvenating scrub seal and micro-surfacing / slurry seal pavement rehabilitation method, the City has found an environmentally superior, cost effective method which will allow the City for fully realize the goals of these programs, resulting in far less disruption to neighborhoods and the environment, while providing the street with a longer useful life.



Application of Rejuvenating Scrub Seal utilizing polymer modified asphalt oil and rock chips.

**Please visit the City of Novato website for additional information in the Public Works Section**  
<http://www.cityofnovato.org>

## **The Pavement Rehabilitation Process**

The rejuvenating scrub seal and micro-surfacing / slurry seal pavement rehabilitation process is a two part system. The first part consists of the application of the rejuvenating scrub seal and the second part consists of the application of either a micro-surfacing or a slurry seal, (the current rehabilitation project includes the application of a micro-surfacing material.)

The rejuvenating scrub seal involves the application of a polymer modified asphalt oil on the surface of the entire street. This oil is then pushed down into the existing cracks in the street to "glue" the street together and create an impermeable asphalt layer. The layer of asphalt oil is followed by a layer of small rock, which is pressed into the cracks in the street using rolling equipment and sweepers. Residents will be informed approximately 72 hours prior to when their street will be rehabilitated. This part of the process will not require the complete closure of their neighborhood and/or streets since traffic can access the road approximately thirty minutes after sweeping.

The micro-surfacing process involves the application of a thicker layer of asphalt oil combined with fine rock and sand. This surface hardens into an impervious surface which can be rough and will generate excess fine debris as vehicles travel over the street. The contractor will initially remove the loose debris by using a street sweeper and City crews will continue to remove the excess material until the roadway no longer sheds the fine debris. This part of the process will require the complete closure of the neighborhood and/or streets prior to placement of the surface for 2 – 4 hours. Residents will be notified approximately 72 hours prior to the closure of their neighborhood and/or street, additionally; the contractor will issue a preliminary schedule approximately five days in advance to advise residents of approximate closures. No streets will be closed prior to 8:00AM and all streets will be opened to traffic no later than 5:00 PM.