



MCDOT NEWS

News from the Montgomery County Department of Transportation, Division of Highway Services

SHAKESPEARE BOULEVARD PAVEMENT PRESERVATION PROJECT

Roadway Repairs and Resurfacing to Begin in November 2015

INTRODUCTION

This newsletter is to inform you of the upcoming roadway resurfacing project on Shakespeare Boulevard, from Frederick Road (MD 355) to Germantown Road, and to describe the process. This system preservation project employs long term strategies to preserve and enhance the physical and operating conditions of the roadway system as it exists and will make the system serviceable for many years.

BACKGROUND

The Montgomery County Department of Transportation, (MCDOT) Division of Highway Services (DHS) maintains nearly 5,200 lane miles of streets and highways in the county's transportation system. As part of our pavement system preservation efforts, MCDOT initiated a new Pavement Management System in 2008. MCDOT recently completed a third countywide pavement condition survey of all county roads, identifying and rating the condition of each. This pavement management system, updated every two years, has enabled the development of countywide roadway pavement repair strategies based on a formula based objective rating system coupled with budgetary parameters.

SCOPE OF PROJECT

The pavement assessment survey mentioned above notes that the relative condition of the pavement on this roadway warrants inclusion in the Primary/Arterial Resurfacing Program. Further, the study finds that the overall condition of the pavement warrants a systematic approach of full-depth permanent patching followed by a dual application of

micro surfacing; which is a thin-coat pavement treatment designed to seal and preserve the pavement. This combined treatment will restore the roadway's structural capacity and integrity, and will preserve the pavement while also enhancing its safety and aesthetic value.

PROJECT WORK PLAN

Below is the overall scope of the micro resurfacing project:

1. Conduct Survey - You may have noticed paint markings that outline areas for pavement replacement, such as those shown in the picture below. The markings enable us to estimate the quantity of asphalt needed for full depth patching and provide the locations of the distressed pavement. The distressed pavement will be excavated using an excavator or milling machine.



Typical patching paint markings

2. Full Depth Patching - The MCDOT pavement evaluation has determined that, prior to resurfacing, full depth asphalt patching of the pavement or other repairs may be necessary at selected locations. Full depth patching restores the pavement's



Distressed areas will be patched prior to resurfacing

structural integrity and capacity to support vehicle loads.

3. Crack Sealing - An additional step may be necessary to seal large cracks that may not require full depth patching. A flexible filler material is injected into the cracks and sealed with a special tool.

4. Micro Surfacing Application

- The final step in the pavement preservation process is the dual application of the micro surfacing material. It is a cold applied liquid material containing a light sand aggregate that preserves pavement deemed to be in good condition. The material is uniformly machine applied and allowed to cure for several hours before opening to traffic. Additionally, this roadway preservation treatment enhances the existing pavement, fills cracks and small voids, and extends the life and serviceability of the pavement.



Micro surfacing application

The micro surfacing material will cover the entire road surface. This will provide for a uniform appearance and surface texture. A final sweeping, if needed, will remove any loose grit.

Although some cracks may reappear after about a year, the underlying crack seals prevent water from penetrating through the roadway.

5. Replace lane markings - Lane markings will be replaced

within one to two weeks where they existed prior to the resurfacing project.

SCHEDULE

This project is scheduled to begin in November 2015 and will take approximately 3 weeks to complete. Weather and operational requirements may affect the schedule. All work will be scheduled between the hours of 7 am and 5 pm, Monday through Friday. Please visit our website to check on project status updates.

IMPACTS

This project will necessitate temporary lane closures and detour routes may be necessary. Please follow the detour signs, if applicable. Alternating one-way traffic patterns may be used periodically and minor traffic delays may be experienced as flaggers manually direct traffic safely through the construction zone. Access to homes will be available at all times, however minor delays may be experienced as workers restrict traffic from driving on the freshly applied material. **Traffic will be restricted from driving on the micro surfacing material until it is fully cured, usually for 3-4 hours.** Driving on the freshly applied material will damage the material and may soil your vehicle and track onto your driveway. Orange traffic cones will be placed in the restricted lanes. Street repair, preparation and resurfacing work is generally characterized by some noise and dust. However, MCDOT and its contractor will do their best to keep the site in good housekeeping order.

Thank you for your cooperation as we work to improve the County infrastructure for residents and users.



MONTGOMERY COUNTY, MARYLAND

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAY SERVICES

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KEEPING MONTGOMERY MOVING

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NOTICE OF SHAKESPEARE BOULEVARD PAVEMENT PRESERVATION PROJECT IN GERMANTOWN

SAFETY NOTICE

Please remember that while repair work is proceeding, construction vehicles will be moving around. Some materials may be stored in the area. Please use caution when walking or driving through the construction zone. Children may be attracted to the noise and machinery, so please keep them under supervision at all times, even after the work is completed for the day. Also, please follow the direction of flaggers and temporary signs and traffic control devices. We appreciate your patience and cooperation while we make these much needed improvements to the infrastructure. *If, for some reason, you have a medical condition that could be potentially impacted by the construction activities, please alert the Project Manager listed below or Josh Faust, Public Outreach Manager, at 240-777-7642.*

IMPORTANT MCDOT CONTACTS

Project Manager: James Schools-Bey 240-777-7630

Program Manager: Donald Noble 240-777-7601

Should your questions be of a more general nature, please contact the MC311 Call Center at 311 or 240-777-0311.

DHS Email: mcdot.highway@montgomerycountymd.gov

DHS Website: www.montgomerycountymd.gov/dot-highway/

On the county map, click on the **Gaithersburg East** Service Area, where you will find additional roadway maintenance projects scheduled in your area.

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