



Tuckerman Lane Pavement Preservation Project

Roadway Repairs and Micro Surfacing to Begin Soon

PURPOSE

This newsletter is to inform you of the upcoming roadway resurfacing project on Tuckerman Lane in Bethesda, 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.

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 structural integrity and capacity to support vehicle loads.



Typical patching paint markings

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.



Distressed areas will be patched prior to resurfacing

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.

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.



Micro surfacing application

SCHEDULE

This project is scheduled to begin in August of 2017 and will take approximately **two** 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.

Generally speaking, this work is best characterized as noisy and disruptive. However, MCDOT and its contractors will take all necessary steps to mitigate any inconveniences this work may cause.

Quality control for the entire project will be managed by County inspection staff to ensure that the project meets County specifications.

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

100 EDISON PARK DRIVE, 4TH FLOOR, GAITHERSBURG, MD 20878

240-777-ROAD (7623)

www.montgomerycountymd.gov/DOT-Highway/

KEEPING MONTGOMERY MOVING

MCDOT NEWS No. 2017.49

NOTICE OF TUCKERMAN LANE PAVEMENT PRESERVATION IN ROCKVILLE

SAFETY NOTICE

Please drive gently and safely through the work site and kindly remember that while repair work is underway, personnel and construction vehicles will be moving around the site. 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 we ask that you please keep all children under close supervision at all times, even after the work is completed for the day. Also, please follow the direction of flagmen 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.*

DIVISION OF HIGHWAY SERVICES

Richard C. Dorsey
Division Chief

Randy Paugh, Chief
Pavement Management Section

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 by dialing 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 **Silver Spring** Service Area, where you
will find additional roadway maintenance projects scheduled in your area.

