MCDOT
Montgomery County Department of Transportation
www.montgomerycountymd.gov/mcdot

ISIAH LEGGET - *Montgomery County Executive*

AL R. ROSHDIEH - *Director, MCDOT*

Tivoli Residential Roadway Resurfacing Project

Full-Width Roadway Micro-Surfacing to Begin Soon

PURPOSE

This newsletter is to inform you of the upcoming full-depth permanent patching and resurfacing of the Tivoli subdivision in Silver Spring. This pavement system preservation project employs long term strategies to preserve and enhance the physical and operating conditions of the roadway system as it exists and assures a 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 using various methods of routine maintenance, pavement restoration and repaving depending on the level of pavement deterioration present. A bi-annual survey of these roads is conducted to assess the pavement condition of each road within the County. A Pavement Condition Index (PCI) is then calculated for each road segment. Using this PCI data, MCDOT determines the appropriate repair strategy for each road with available funding.

Most notably, crack seals, asphalt patching, micro resurfacing, and hot mix asphalt overlays are chief among pavement restoration options. MCDOT is now developing Countywide maintenance strategies based on the countywide pavement assessment which uses both an objective rating system and budgetary parameters.

Typical survey paint markings

SCOPE OF PROJECT

MCDOT's most recent pavement assessment study notes that the relative condition of the pavement in the Tivoli community warrants inclusion in the Residential Resurfacing Program. Further, the study finds that the overall condition of the pavement within the area warrants a systematic approach of full-depth permanent patching followed by an application of micro surfacing; which is a thin-coat pavement treatment designed to seal and preserve the pavement. This combined treatment strategy 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

Typically, the roadways are prepared prior to micro surfacing. Below is the overall scope of micro resurfacing projects:

1. Conduct survey - Identify areas of roadway in need of repair prior to resurfacing. You may notice paint markings that outline areas for pavement replacement, such as those shown in the picture above.

2. Full Depth Patching - 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.

Patching may be necessary prior to resurfacing

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 to prevent water infiltration into the pavement.

4. Micro Surfacing - The final step in the pavement preservation process is the application of the micro surfacing material. It is a cold applied liquid material containing a light sand aggregate that preserves existing pavement deemed to be in relatively good condition. The material is uniformly machine applied and allowed to cure for several hours before opening to traffic. This Residential Road 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, providing a uniform appearance and surface texture. A final sweeping, if needed, will remove any loose grit.

Although some cracks may reappear after 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 July 2016, and will take approximately 6 to 8 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.

IMPACTS

This project will necessitate No Parking restrictions within the construction zone. The No Parking signs will be updated daily. Alternating one-way traffic patterns will 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 will do its best to keep the site in good housekeeping order.

Typical micro-surfacing operation

Thank you for your cooperation and patience 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. 2016.49

NOTICE OF TIVOLI ROADWAY RESURFACING PROJECT IN SILVER SPRING

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

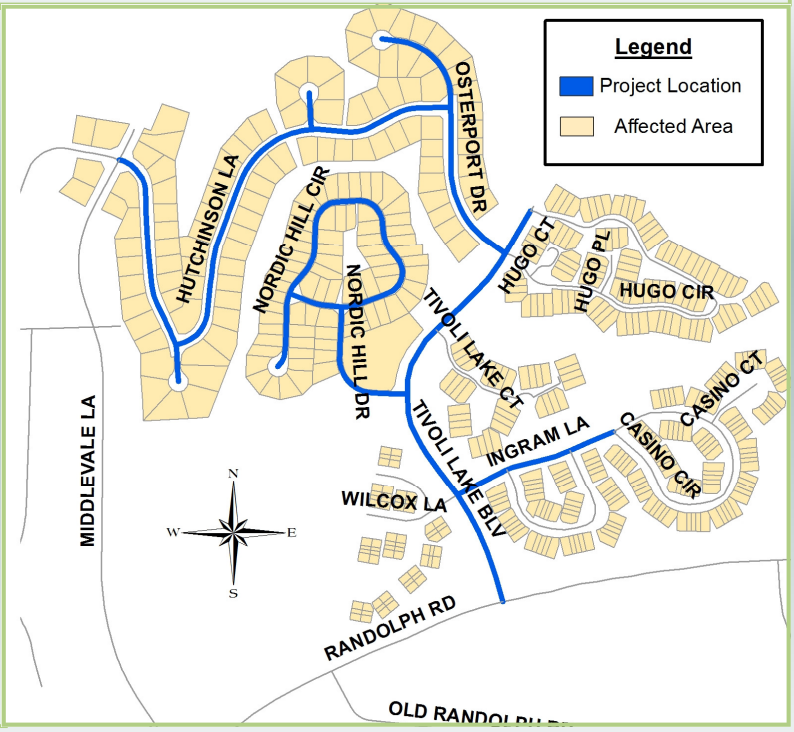
Project Manager:	James Schools-Bey	240-777-7630
Program Manager:	Donald Noble	240-777-7601

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 **Colesville** Service Area, where you will find additional roadway maintenance projects scheduled in your area.*

@MontCo_Highways

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