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Construction Ahead



JULY 2011

Montgomery County Department of Transportation

Division of Transportation
Engineering

Replacement of White Ground Road Bridge over Bucklodge Branch Started

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Introduction

Montgomery County Department of Transportation (MCDOT) Division of Transportation Engineering (DTE) has initiated the construction activities for the reconstruction of the bridge that carries White Ground Road over Bucklodge Branch. The purpose of this newsletter is to notify you of the upcoming project and to inform you of the project schedule and road closure impacts to traffic. The project site is located in Dawsonville, Maryland. Bridge No. M-138 currently carries White Ground Road as an alternating single lane over Bucklodge Branch. It was originally constructed in 1950.

Montgomery County's 2007 biennial inspections report declared the bridge is structurally deficient and recommended posting for load restrictions.

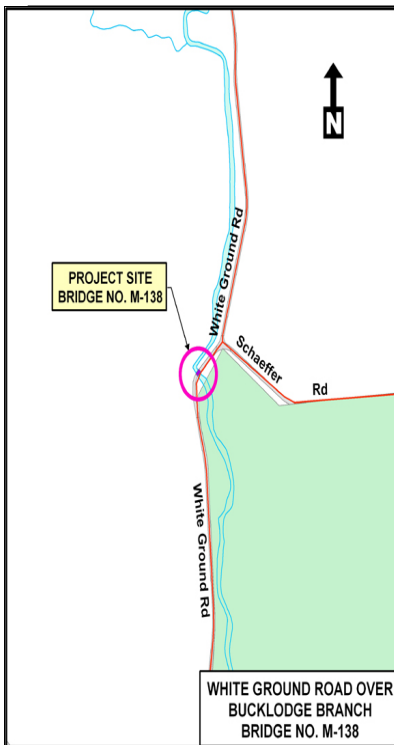
The report further states the steel beams are deteriorating and the concrete abutments are in poor condition and are being undermined by the stream flow. The substructure concrete is cracking and spalling.

The initial concept for a two-lane structure was revised after White Ground Road received an Exceptional Rural Rustic classification from the County.

The project as currently designed will construct a 16-foot wide single lane bridge conforming to the Rural Rustic Roads criteria for in-kind replacement. The Average Daily Traffic (ADT) crossing the bridge is 650 vehicles per day.

Special points of interest:

- Construction activities have been initiated July 2011.
- The project is expected to take 8 months to complete.
- **White Ground Road will be closed** during the construction of the replacement bridge.



Project Scope and Design

The existing 28- foot long single span bridge consists of steel support beams underlying an asphalt filled corrugated metal deck. The clear roadway width is 15 feet 7 inches and supports alternating 2-way traffic.

This project provides for the demolition and replacement of the current bridge and

realignment of approximately 500 feet of approach roadway on both sides of the bridge.

The new bridge will be 50 feet long and 18 feet wide with a clear roadway width of 16 feet.

Approach work is planned to transition the new bridge in to the existing roadway.

Stream bank stabilization and realignment of the stream channel are included to prevent further degradation and bank erosion.

Forest conservation work will also be performed within the project area to maintain the environmental integrity of the wooded area.

Work Hours, Schedule and Inspection

Construction will generally take place Monday through Friday between 7:00 AM and 5:00 PM, with occasional Saturdays to make up for weather delays. Construction is scheduled to take approximately eight months to complete.

Throughout the construction process, a full-time County representative will be present on the job site during hours of construction to oversee the construction progress, monitor the work zone for pedestrian and traffic safety and to answer

questions that you may have about the project. Field office telephone numbers will be provided in a future update.

“Construction will typically occur weekdays between 7:00 AM and 5:00 PM, with occasional weekend work.”

Contractor

Under Montgomery County Procurement Regulations, construction projects are awarded through a competitive process. Rustler Construction, Inc. submitted the lowest responsible and responsive bid for this project.

Rustler Construction is located in Upper Marlboro, Maryland and has completed several similar projects for Montgomery County and a variety of jurisdictions, including the Maryland State Highway Administration and several local jurisdictions in Maryland and Virginia.

The construction contract is valued at approximately \$900,000 and is within the budget established for the project.

Traffic Control Plan and Road Closure

On or about the last week in July 2011 our contractor will be closing White Ground Road to through traffic. Local traffic will have access to their properties and businesses. Variable Message Signs (VMS) are set at White Ground Road intersection with MD 28 and MD 117. Additionally, a VMS is set at the Schaeffer Road intersection with White Ground Road. The detour routes on MD 117 and MD28 are marked with appropriate signage per the Traffic Control Plan for the project.

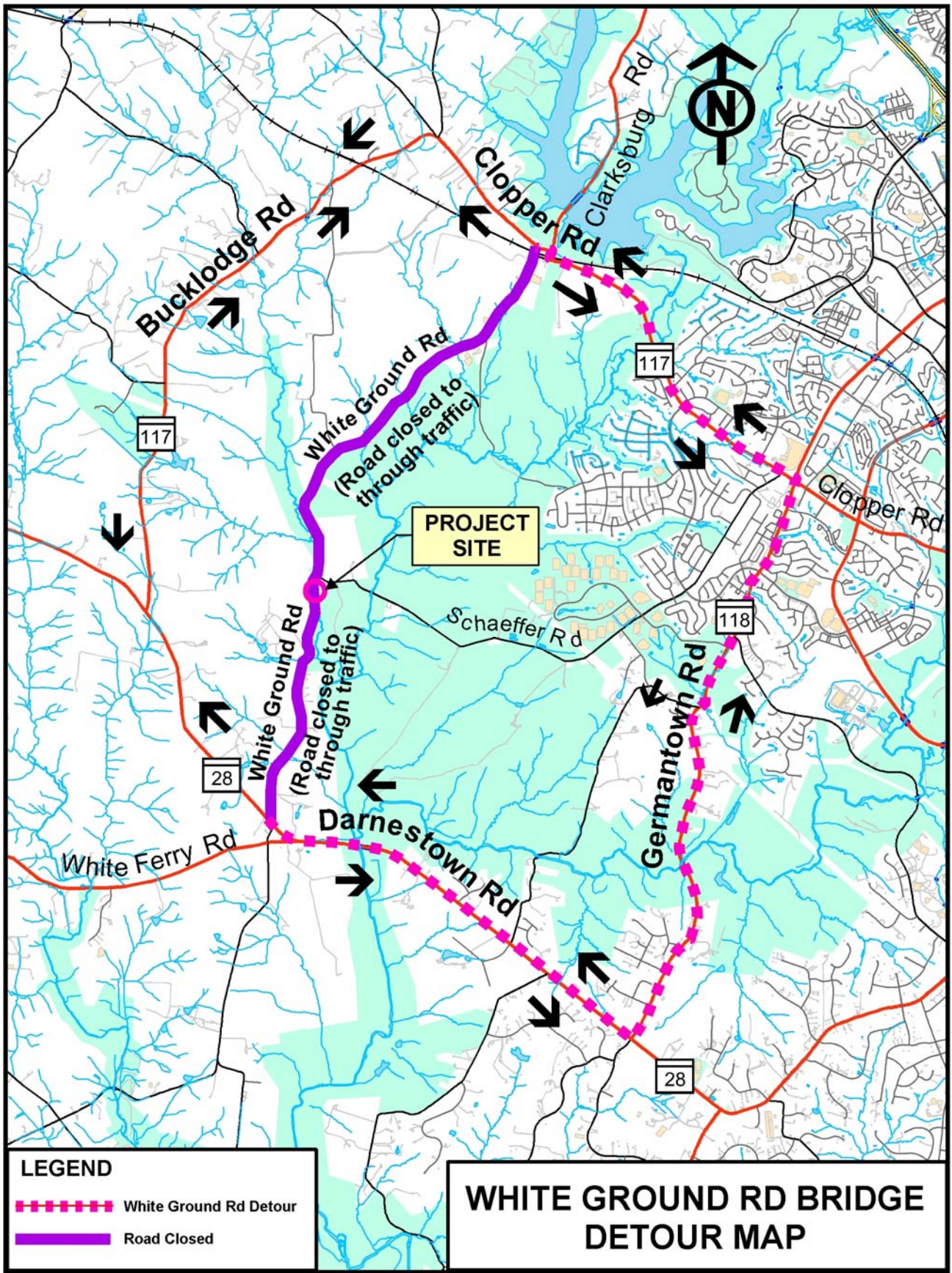
There are no “TURN AROUNDS” at either side of the bridge.

Montgomery County Department of Transportation will be monitoring the detour route and Traffic Control Plan during the construction of the project. If additional signs or other traffic controls are needed, the County will instruct the contractor to promptly provide them to guide commuting public safely around the work zones.

The bridge and road will be closed to vehicular and pedestrian traffic during the construction of the new bridge.



Existing White Ground Road Bridge



Bucklodge Rd

Clopper Rd

Clarksburg Rd

White Ground Rd
(Road closed to through traffic)

PROJECT SITE

Schaeffer Rd

Clopper Rd

White Ferry Rd

Darnestown Rd

Germantown Rd

Impacts to County Services

Montgomery County strives to minimize the impact construction projects have on residents, businesses and motorists.

All basic County services, mail delivery, etc. will continue to be provided without impacts.

DTE has coordinated the road closure with Police, Fire and Rescue services, and the Maryland-National Capital Park and Planning Commission.



Keeping Informed

This newsletter is sent to residents who are on the project mailing list and to the owners of businesses in the vicinity. Please share this information with your neighbors. If they want to receive future newsletters, please contact the MCDOT Transportation Construction Section at 240-777-7210.

We plan to provide you with periodic updates on this project.

Feel free to contact the project team at the field office or at the phone numbers below. The DTE email address is on page 6. Finally, watch for signs and message boards posted near the project site.

These will keep you informed of impending changes to the traffic patterns and guide you safely through the work zone.

Project Management Team

A staff of dedicated professionals will oversee the construction and insure that the project is completed safely, timely, on-budget and in compliance with the specifications. In addition, the team members are available to answer any questions you may have.

Feel free to contact any of member of the Project Management team. For questions about: **Construction Activities**
 Contact: Chabiram Deoraj, P.E.
 Phone: 240-773-3412

Traffic Control
 Contact: Stella Igbiniedion
 Phone: 240-777-2190

Project Design
 Contact: Hai-Yan Zhang, P.E.
 Phone: 240-777-7278

Mailing List
 Contact: Jackie Earp
 Phone: 240-777-7210





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**For alternative formats of this newsletter,
please contact DTE at 240-777-7220
(Voice). TTY users call Maryland Relay.**

About the Division of Transportation Engineering

DTE is responsible for planning, engineering, and constructing Montgomery County's infrastructure to the highest safety and performance standards possible while paying close attention to citizen's input, environmental and economic concerns. Today, DTE is responsible for more than 2,000 miles of primary and secondary roads and more than 253 bridges. DTE employs over 70 people, with varying skills and backgrounds. DTE has three main sections: Transportation Plan-

ning and Design, Property Acquisition and Transportation Construction.



DTE designs and constructs transportation improvements, such as the Mouth of Monocacy Road Bridge, 2009 Maryland Quality Initiative Award of Excellence recipient .