

BARRY PLACE AND GEORGIA AVENUE NW - WASHINGTON DC

District Department of Transportation
Colorized Pavement Demarcation

The Georgia Avenue Dedicated Bus Lanes project is part of the move DC plan, which established a 25-year vision for the District's transportation system. While bus lanes are a standard feature in many European cities, they have never been installed in a major US city using a colored recycled glass aggregate as demarcation for bus lanes along multiple city blocks. The Nation's capital is the first; the red colored bus lanes are adjacent to Howard University on Barry Place and Georgia Avenue NW.

Project Highlights

DBi Services was approached by DDOT, Washington Metro and VDOT, along with design engineers to discuss a long-term solution to the dilemma of obtaining a durable colored surface for the bus lanes adjacent to the university. A colored recycled glass aggregate was put forward as the answer. This material has been installed in similar projects, however never at such a high profile location. The color choice required a custom blend with uniformity and no color variations throughout the project, as well as warranty against the color fading.

DDOT received numerous submissions for lane marking and other alternatives for the transposition hub directly outside Howard University, ranging from movable plastic barriers to vertical painted posts.

All submissions were reviewed by a committee of public transportation experts experienced with similar challenges of having a distinctive system of transporting students and the general public safely through large cities worldwide.

The final choice was based on the long-term durability of the process, along with the ability of an installer who could complete the installation in limited nighttime working hours.

Relevant Experience Gained

- By employing electronic application reporting technology, DBi Services was able to meet and exceed the project specification parameters, despite restricted lane closures at night under the scrutiny of the Agencies.
- Ability to mix and apply the colored recycled glass aggregate in an even and uniform manner over the complete width of the bus lane.
- With color matching within a defined "color box," DBi Services achieved a seamless color consistency throughout the entire project with no color variances.

Value to Customer

- National and international experience at providing solutions to complex transportation issues with an innovative pavement demarcation processes.
- Operating the world's largest fleet of fully-automated application vehicles with the most advanced electronic on-demand monitoring and specification compliancy controls has allowed DBi Services to be the predominate installer of colored pavement demarcation and high friction surfacing treatments.
- Ability to work with transportation departments, cities, counties, toll authorities and private industries to derive safe and economic world class solutions has earned DBi Services the respect of the engineering community across several continents.
- A safe, permanent colorized pavement that is environmentally sound, offering bus and bike users demarcation separating them from other road users.



High Friction Surfacing Treatments are eligible for federal and state funding through HSIP (Highway Safety Improvement Programs)



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