

US-23 & Hull Drive Intersection Modifications

June 2020

Project Background

City staff has tracked recent accident history and traffic volumes at the US-23 and Hull Drive intersection, and based on this preliminary data collected, it was recommended that the intersection be further studied and evaluated to determine what intersection modifications should be implemented to improve the safety of the intersection. This intersection was also identified in the 2002 US-23 Access Management Plan as possibly being restricted, when needed, to improve safety and reduce the potential for accident occurrence.

Improvements

Based on the safety study findings, the recommended safety countermeasure is to convert the US-23 and Hull Drive intersection from a full-access intersection to a left-in/right-out (LIRO) intersection (see figure 1). With this modification, left and through movements from Hull Drive will be prohibited. In the eastbound direction, Hull Drive residential traffic can utilize Liberty Road to drive to various public streets such as Cottswold Drive, Hawthorn Boulevard or Belle Avenue in order to access US-23 northbound. Eastbound left turning and through vehicles from the shopping center would divert to the Delaware Plaza North signal to go north on US-23. It is assumed that westbound traffic on Hull Drive would access US-23 to go southbound from Stratford Road to Meeker Way. The new traffic route options are shown in figures 2 and 3 on the next page. The inbound access to any businesses will not be affected, as crash data indicated that left turns from US-23 onto Hull Drive are not presenting a safety issue. The proposed countermeasure will address the safety issue of left turns and through movements from Hull Drive with the least possible impacts to traffic flow and business access.



Figure 1: Hull Dr Access Modifications



Figure 2: Westbound Hull Drive Available Traffic Routes



Figure 3: Westbound Hull Drive Available Traffic Routes

Schedule & Status

Phase	Year	Status
Study & Design	2020	In Progress
Property Acquisition	N/A	N/A
Construction	2021	Pending

Project Budget

Phase	Cost
Safety Study & Application	\$6,800
Survey & Design	\$24,600
Construction	\$192,100
Total	\$223,500

Project Funding

The safety study and application cost \$6,800 and was funded locally. ODOT Safety Funds are being pursued to cover 100% of the costs for the design and construction estimated at \$216,700.

Fund	Budget Year	Budget Appropriation
Capital Improvements – US-23 & Hull Dr Safety Improvements	2020	\$31,400
Capital Improvements – US-23 & Hull Dr Safety Improvements	2021	\$192,100
Total		\$223,500

Project Updates

A consultant has completed an abbreviated safety study and safety application and has submitted to ODOT requesting safety funding. If funding is awarded, the selection process will be performed to hire a Consultant to perform Survey, Preliminary and Final Design and the necessary Environmental work. It is anticipated that project design will be completed by the end of 2020 and construction will begin in 2021. You may submit specific questions regarding the project through the Access Delaware webpage.

For weekly project updates and reports, visit the Access Delaware Facebook page. For information regarding other local roadway improvement and transportation projects, visit www.delawareohio.net/access-delaware