



Waynesboro City Council Agenda Briefing

Meeting Date:	September 9, 2019	Staff/Council Member(s): D. James Shaw II, Deputy City Manager/Brian K. McReynolds, P.E., Director of Public Works/ Todd D. Wood, P.E., City Engineer
Agenda Item #	8	
Resolution#		
Department:	City Manager's Office/Public Works Department – Engineering Division	
Subject:	VDOT Revenue Sharing Application for Delphine & Main Roundabout	

Background: The Virginia Department of Transportation's Revenue Sharing Program provides funding to localities in the Commonwealth to construct, reconstruct, improve or maintain local highway systems. Locality funds are matched, dollar for dollar, with state funds, with a \$10 million limit on the amount of state funds authorized per locality. The Revenue Sharing Program is intended to provide funding for immediately needed improvements or to supplement funding for existing projects with the expectation that projects are generally in active development that is leading to their completion within the near term.

Revenue Sharing Program applications for Fiscal Year 2021 must be completed by October 1st and the local governing body must pass a supporting resolution prior to submittal.

Delphine & Main Roundabout

The existing signal structures at the intersection of Delphine Avenue and East Main Street are deteriorating and have received a deficient rating according to inspections by the Virginia Department of Transportation (VDOT). At the direction of the City Engineer, an Intersection Alternatives Analysis has been completed which evaluated the repair/rebuild of existing structures or the development of a roundabout. It was determined that a roundabout would provide improved vehicle and pedestrian safety and efficiency, as well as result in significant savings over a 20-year life cycle. The total estimated cost for engineering and construction for a roundabout is approximately \$862,000. The City may request up to 50% of the project cost (\$431,000) from the VDOT Revenue Sharing Program and would be responsible for the remainder (\$431,000). The city would be responsible for \$431,000.

Roundabouts are circular, unsignalized intersections where all traffic moves counterclockwise around a central island. Traffic entering the roundabout slows down and yields to traffic already inside the roundabout. Roundabouts differ from neighborhood or traditional traffic circles in that roundabouts are larger and designed for faster speeds. Roundabouts can be designed with one or more circulating lanes. According to the Virginia Department of Transportation, the benefits of a roundabouts in comparison to traditional intersections include:

- **Improved Safety:** Reduces the number of points where vehicles can cross paths and eliminates the potential for right-angle and head-on crashes.
- **Increased efficiency:** Yield-controlled design means fewer stops, fewer delays and shorter queues
- **Safer speeds:** Promotes lower vehicle speeds, giving drivers more time to react

- Long-term cost effectiveness: No traffic signals means lower long-term costs for operations and maintenance
- Aesthetics: Allows for landscaping and beautification

Delphine Avenue/East Main Street Roundabout Sketch Plan



City Manager's Recommendation: The replacement of the signal structures at Delphine Avenue and East Main Street have become a matter of some urgency. As noted, an Intersection Alternatives Analysis has indicated that a roundabout is a feasible and, in the view of the professional staff and our consulting engineers, a preferred intervention. The Revenue Sharing provides a cost-effective approach to funding the project. This project is included in the City's Capital Improvement Plan and is programmed for Fiscal Year 2021. The City Manager recommends endorsing the attached resolution supporting the City's application to VDOT's Revenue Sharing Program.

Suggested Motion(s): A motion should be made to approve a resolution supporting the City's application to VDOT's Revenue Sharing Program to fund a roundabout at the intersection of Delphine Avenue and East Main Street in the amount of \$431,000 with the understanding that the City must match VDOT funding on a dollar for dollar basis up to \$431,000.

Attachment: 1) Resolution

CITY OF WAYNESBORO, VIRGINIA



RESOLUTION OF SUPPORT

**VIRGINIA DEPARTMENT OF TRANSPORTATION
FISCAL YEAR 2021-2022 REVENUE SHARING PROGRAM
FOR THE DELPHINE & MAIN ROUNDABOUT, WAYNESBORO, VA**

WHEREAS, the City Council of the City of Waynesboro, Virginia desires to submit an application for an allocation of funds of up to \$431,000 through the Virginia Department of Transportation Fiscal Year 2021-22, Revenue Sharing Program; and,

WHEREAS, \$431,000 of these funds are requested to fund the construction of new Roundabout at the intersection of Delphine Avenue and East Main Street,

WHEREAS, It is understood that the City Council must appropriate \$431,000 in order to meet the required match for Revenue Sharing Program; and,

NOW, THEREFORE, BE IT RESOLVED THAT: The City Council of the City of Waynesboro, Virginia hereby supports this application for an allocation of \$431,000 through the Virginia Department of Transportation Fiscal Year 2021-22 Revenue Sharing Program.

A COPY ATTEST

Terry Short, Jr, Mayor

Julia Bortle, MMC, Clerk of Council