

Tuttle Crossing Boulevard Extension and Avery Road Widening Project

Project Fact Sheet

PROJECT DESCRIPTION:

Several studies and plans have been completed over the past 20 years documenting the importance of the Tuttle Crossing Boulevard Extension project and how it relates to the overall transportation infrastructure in the area. In 1995, a preliminary alignment study for a portion of the project that included an expansion of Tuttle Crossing Boulevard from Avery Road to Wilcox Road. This study developed preliminary alignment and typical sections, intersection spacing and access, traffic signal spacing, driveway spacing and access, and right-of-way requirements.

Another study was developed by the Mid-Ohio Regional Planning Commission (MORPC) in 2003 demonstrating the importance of this project. This study, the *Northwest Franklin County Traffic Study*, included the area bounded by SR 161/US 33 to the north, Cemetery Road/Scioto and Darby Creek Road to the south, I-270 to the east, and Madison County to the west. The results of this study provided a valuable tool for determining transportation needs in the area and addressed the physical expansion needs of the roadway system including new roads and road widening, intersection analysis, and access management guidelines for 2030. Overall, this study recommended a thoroughfare plan which incorporated a number of roadway improvements to accommodate the growth in this area expected by the year 2030. Tuttle Crossing Boulevard and Avery Road from Hayden Run Road to US 33 were two of the five major new facilities and widenings recommended in this study. Moreover, the study states the east-west facilities near the proposed project are especially important to provide connectivity between the north-south arterials and I-270. The Tuttle Crossing Boulevard extension project and Widening of Avery Road were defined as critical for the overall area.

A third study, the *Hayden Run Corridor Plan*, was developed by the City of Columbus in 2004. This study provided land use and development policy direction for public and private decision-makers regarding the physical development of the planning area. This plan identified Tuttle Crossing Boulevard as one of the three main roads in the corridor (Rings Road and Hayden Run are the other two roads). Due to a lack of east/west continuity, capacity constraints such as undersized roads and intersections and grade separations, and grade-separation concerns with the existing system, substantial roadway improvements were deemed necessary for the area as development occurs. This study reiterated the importance of the Tuttle Crossing Boulevard and Avery Road improvements presented in the MORPC study (2003).

The proposed project begins at the Tuttle Crossing Boulevard intersection at Wilcox Road. The proposed work consists of extending Tuttle Crossing Boulevard approximately 2,500 feet from Wilcox Road to Avery Road, and reconstructing Avery Road to a 4-lane boulevard section from the new intersection of Tuttle Crossing Boulevard and Avery Road at the south, to the Cramer Ditch Bridge just north of Rings Road/Cara Road. The centerline of Avery Road would be shifted 50 feet to the west of the current alignment to avoid impacts to the businesses located on the east side of the road. Roundabouts would be constructed at the



intersections of Tuttle Crossing Boulevard and Avery Road, Tuttle Crossing Boulevard and Wilcox Road, and Avery Road and Rings Road/Cara Road. The roadway work would extend into Wilcox Road, Rings Road (west of Avery Road), and Cara Road to connect the roundabouts to the existing roadways. Bicycle and pedestrian facilities would be constructed along both sides of Tuttle Crossing Boulevard and Avery Road.

PROJECT PURPOSE:

The proposed project will improve mobility along Tuttle Crossing Boulevard and Avery Road by providing additional east-west connectivity to support existing community and development plans. By doing so, the proposed project would reduce travel times and increase connectivity to the existing roadway network. Overall, the goals and objectives of the proposed project are identified in the City of Dublin's *2013 Community Plan* as well as the City of Dublin's *2016-2020 Capital Improvements Program* to balance transportation (roads and pedestrian) and development needs within and around the proposed project area.

PROJECT LIMITS:

- Approximately 2,500 feet west of existing Tuttle Crossing Boulevard.
- Approximately 2,800 feet along Avery Road from new Tuttle Crossing Boulevard/Avery Road intersection to Cramer Ditch Bridge.
- Approximately 1,700 feet along Rings Road/Cara Road.
- Approximately 500 feet along Cara Court.

TRAFFIC VOLUMES:

- Approximately 16,770 vehicles per day along Tuttle Crossing Boulevard in the construction year (2018) and estimated at 23,510 in the design year (2038).
- Approximately 15,380 vehicles per day along Avery Road in the construction year (2018) and estimated at 25,260 in the design year (2038).
- Approximately 9,550 vehicles per day along Wilcox Road in the construction year (2018) and estimated at 7,620 in the design year (2038).
- Approximately 4,440 vehicles per day along Rings Road in the construction year (2018) and estimated at 6,870 in the design year (2038).
- Approximately 4,440 vehicles per day along Cara Road in the construction year (2018) and estimated at 6,870 in the design year (2038).

PROJECT DETAILS:

- Extend Tuttle Crossing Boulevard from Wilcox Road to Avery Road.
- Reconstruct Avery Road to a four-lane boulevard section from the new intersection with Tuttle Crossing Boulevard to the Cramer Ditch Bridge.



- Construct roundabouts at the following intersections: Tuttle Crossing Boulevard and Avery Road, Tuttle Crossing Boulevard and Wilcox Road, and Avery Road and Rings Road/Cara Road.
- Add shared use lanes and bicycle and pedestrian facilities along both sides of Tuttle Crossing Boulevard and Avery Road. Add bicycle and pedestrian facilities along Rings Road and Cara Road, and pedestrian facilities along Cara Court.
- Extend Water and Sewer Lines along Tuttle Crossing Boulevard, Avery Road, Rings Road, Cara Road and Cara Court.

MAINTENANCE OF TRAFFIC:

Much of the roadway construction will occur off line of the current roadway, however, intersection closures will restrict traffic to local residences, businesses, and emergency services during the construction of roundabouts at the intersections of Wilcox Road and Tuttle Crossing Boulevard, Avery Road and Tuttle Crossing Boulevard, and Avery Road and Rings Road. Additional maintenance of traffic plans will be available at a later date.

PROPOSED PROJECT SCHEDULE:

Estimated Sale of Project:	Winter, late 2018
Estimated Begin of Construction:	Winter, early 2019
Estimated End of Construction:	Summer 2020

Please note the above dates are approximate and are subject to change as the various stages of the project progress.

RIGHT-OF-WAY:

The project will require acquisition from approximately 33 parcels.

COST OF PROJECT:

The current estimated cost of constructing the improvements is approximately \$11,200,000 excluding preliminary engineering and right-of-way costs.

Funding sources: Combination of Federal and Local funds

The environmental review, consultation, and other actions required by applicable Federal environmental laws for this project being, or have been, carried-out by ODOT pursuant to 23 U.S.C. 327 and a Memorandum of Understanding dated December 11, 2015, and executed by FHWA and ODOT.

