

Public Design Hearing

I-40 / Donelson Pike (SR 255) Interchange Project

TUESDAY
October 23, 2018
Fifty-Forward Donelson Station
 108 Donelson Pike, Nashville, TN 37214

WELCOME

The goal of the meeting is to update you on the status of the design and to gather public input from the stakeholders of the community. There will be a short presentation to introduce the project team and the proposed design of the I-40/Donelson Pike (S.R. 255) interchange. Display boards, current design plans and a simulation of the proposed interchange are displayed throughout the room.

Representatives from TDOT will be happy to discuss the project with you and answer any questions that you may have.

Your Comments ARE IMPORTANT TO US

Stakeholder comments are an important part of the design process. Should you wish to make comments today, please fill out the provided comment card and deposit it in the box at the sign-in table. If you do not wish to fill out a Comment Card at this time, you have 21 days from the date of this meeting (November 13, 2018) to submit written comments to the address provided on the comment card.

A court reporter is also available for those persons who desire to make a verbal statement about the project before or after the presentation and have that statement included in the official transcript of this meeting. Comments to the court reporter will be recorded on tape and will be summarized in the public meeting summary.

Thank you for attending and participating in this meeting. This project is on-going and your continued involvement and suggestions will be most appreciated.

Today's AGENDA

- 6 p.m.** *Doors open*
Displays & plans available for viewing
- 6:15 - 6:45 p.m.** Introduction to TDOT staff & project (Presentation)
- 6:45 p.m.** Displays, plans and simulation available for viewing and court reporter available for comments.
- 8 p.m.** *Meeting end*

Summary

PROJECT DESCRIPTION

Due to the rapid growth experienced and projected for the greater Nashville area, the current I-40/Donelson Pike (S.R. 255) interchange has an inadequate configuration to handle the traffic demands along Donelson Pike adjacent to the Nashville International Airport. The purpose of this project is to relocate and widen Donelson Pike (S.R. 255) and construct a Diverging Diamond Interchange (DDI) to improve the traffic efficiency and safety of the interchange and access to the Nashville International Airport.

What are the NEXT STEPS?

Estimated Schedule

**3rd Quarter
2019**

TDOT will begin right-of-way acquisition and utility relocation coordination.

**4th Quarter
2020**

TDOT will award the construction project and construction will begin.

**4th Quarter
2023**

The proposed interchange is expected to be constructed and open to traffic.



A Unique and Innovative Interchange THE DIVERGING DIAMOND


The Diverging Diamond Interchange (DDI) is relatively new in the United States, but rapidly gaining popularity. TDOT has constructed two DDI's in the state and has seen great success in regards to safety and efficiency. The first DDI for TDOT was the US 129 / W. Bessemer Street Interchange in Alcoa which opened in 2010 and was logged as 5th in the US. The second DDI for TDOT was the I-40 / S.R. 66 (Exit 407) interchange in Sevierville, which serves as the main entrance to the Pigeon Forge, Gatlinburg destinations. The project was opened in 2015 and was logged as the 51st in the US.


The safety and efficiency benefits of Diverging Diamond Interchanges are due to the unique configuration that crosses traffic to the left (opposite) side of the interchange under a signalized intersection to allow free-flow left turns on to and off of the interstate. The signalized intersection for a DDI is simplified because the phases for left turns are removed and only two phases are required (green or red). The free-flow left turns on and off the interstate increases the efficiency of traffic flow and reduces the need for left turn lanes and the amount of conflict points of turning left across traffic (potential for head-on and T-bone collisions).

The left-turning movements that benefit with this interchange are:

- 1** From I-40 Westbound (Mt. Juliet) to Southbound Donelson Pike (*Airport/Antioch*)
- 2** From I-40 Eastbound (Nashville) to Northbound Donelson PK. (Donelson)
- 3** From Northbound Donelson Pike (Antioch) to I-40 Westbound (Nashville)
- 4** From Southbound Donelson Pike (Donelson) to I-40 Eastbound (Mt. Juliet)

LEGEND

 **TN** TDOT
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