



I-40 / Donelson Pike (S.R. 255) Interchange

Design Public Meeting

October 23, 2018

Welcome & Thank You for Attending

Introduction

of TDOT Representatives and
Consultants

Project Presentation

Why, Where,
What, How & When

Materials

Handouts, Plans,
Displays, Video

Breakout Session

for Q&A

Comments & Feedback

- Court Reporter Available
- Comment Cards

Purpose & Need

Rapid Growth

- Downtown & Surrounding Nashville Cities
- Travel Demands to Nashville International Airport (BNA)

Improve Traffic Operations and Safety

- Interchange
- Airport Access

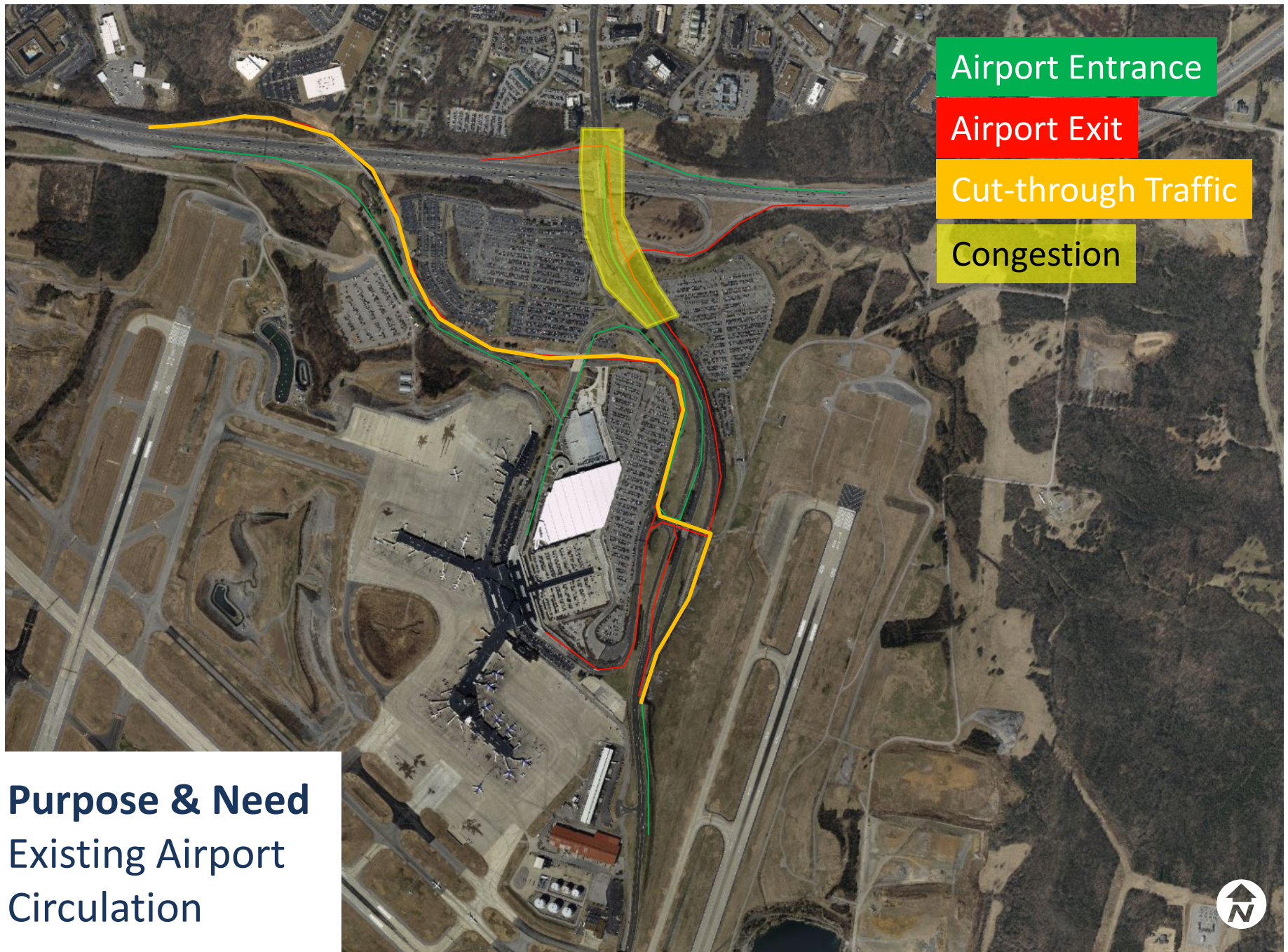


Airport Entrance

Airport Exit

Purpose & Need
Existing Airport
Circulation





Airport Entrance

Airport Exit

Cut-through Traffic

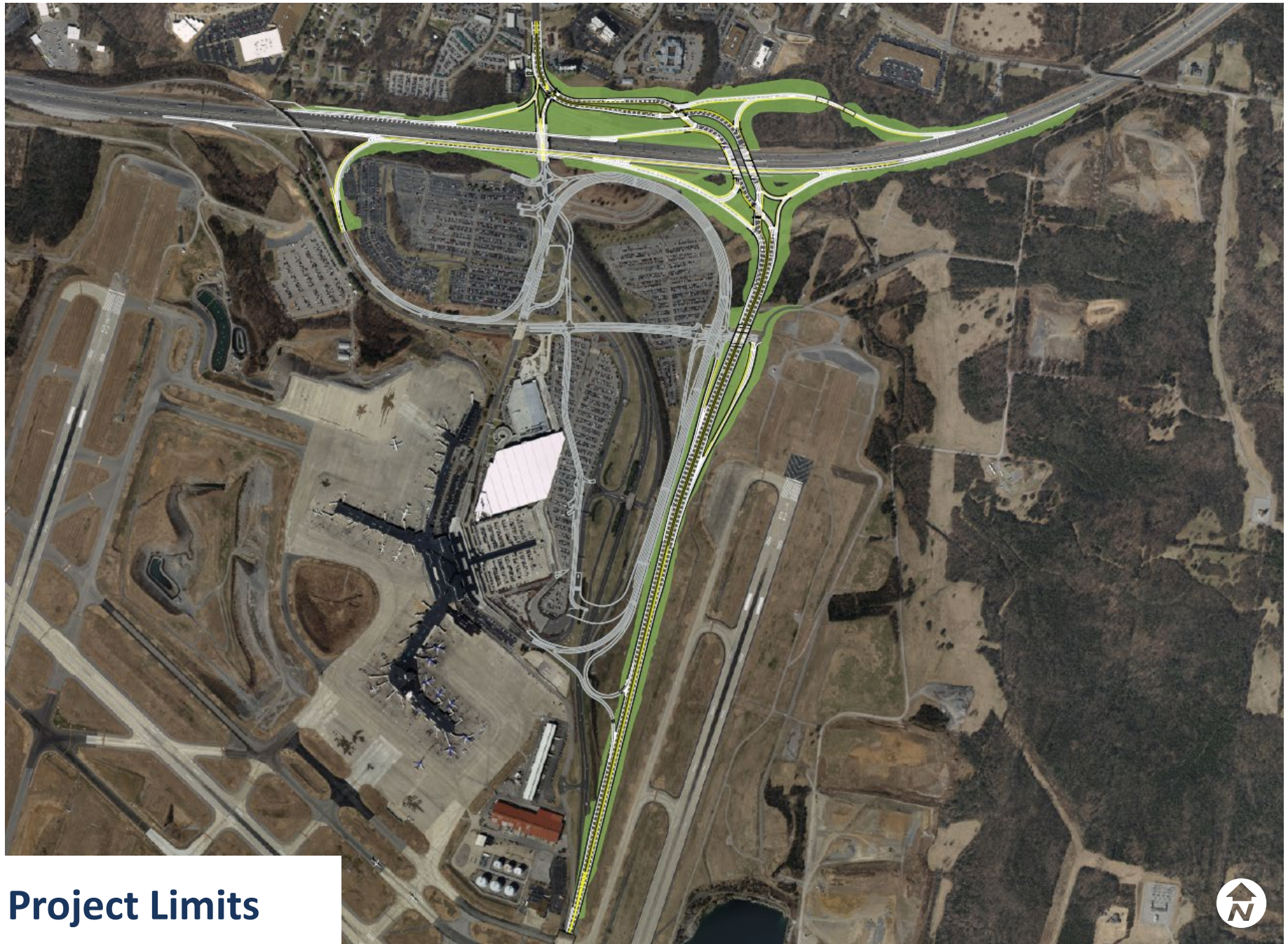
Congestion

Purpose & Need
Existing Airport
Circulation





Project Limits
TDOT vs. MNA



Project Limits

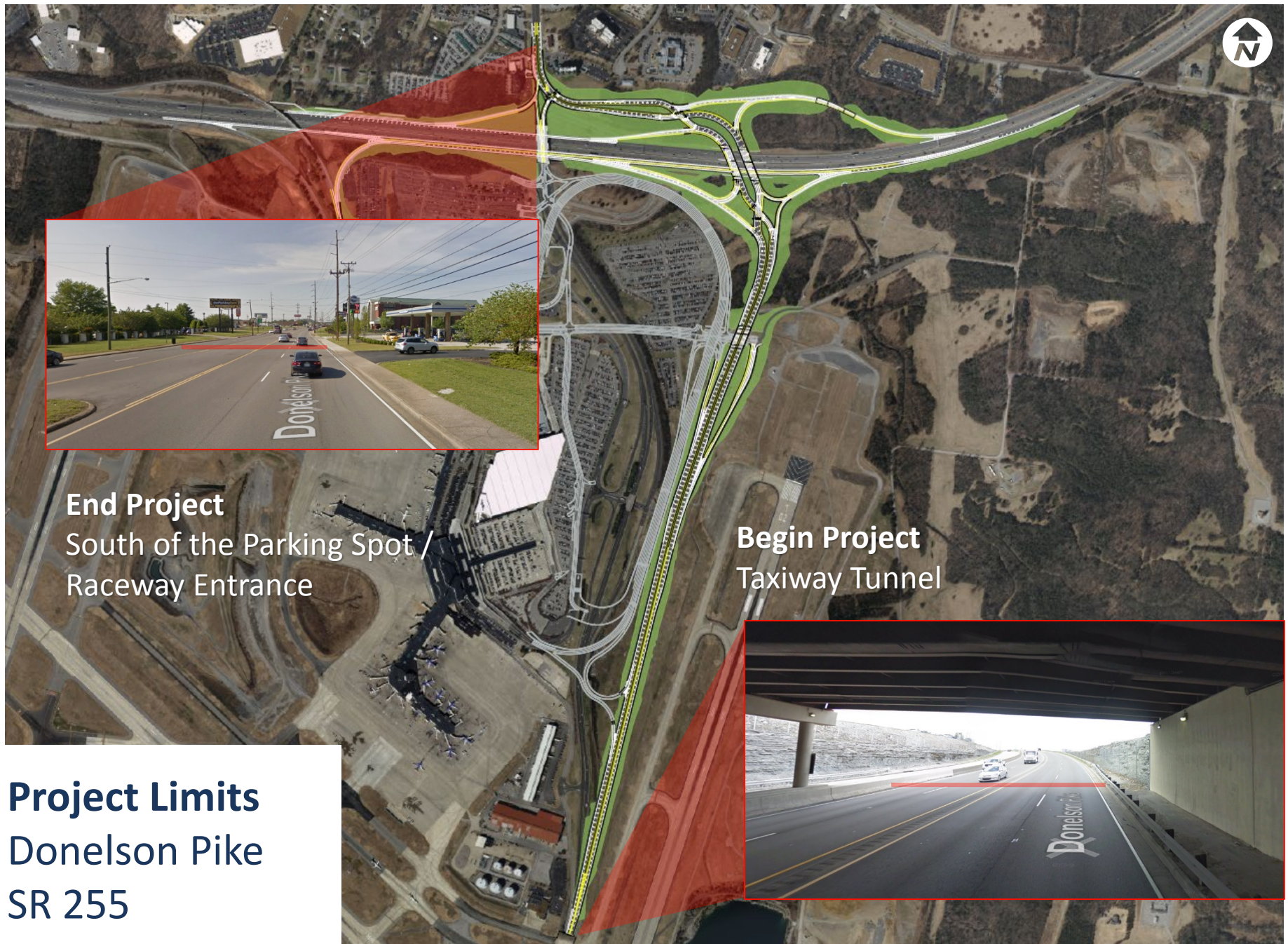




Begin Project
Exit 216A

End Project
West of Elm Hill Pike

Project Limits
I-40



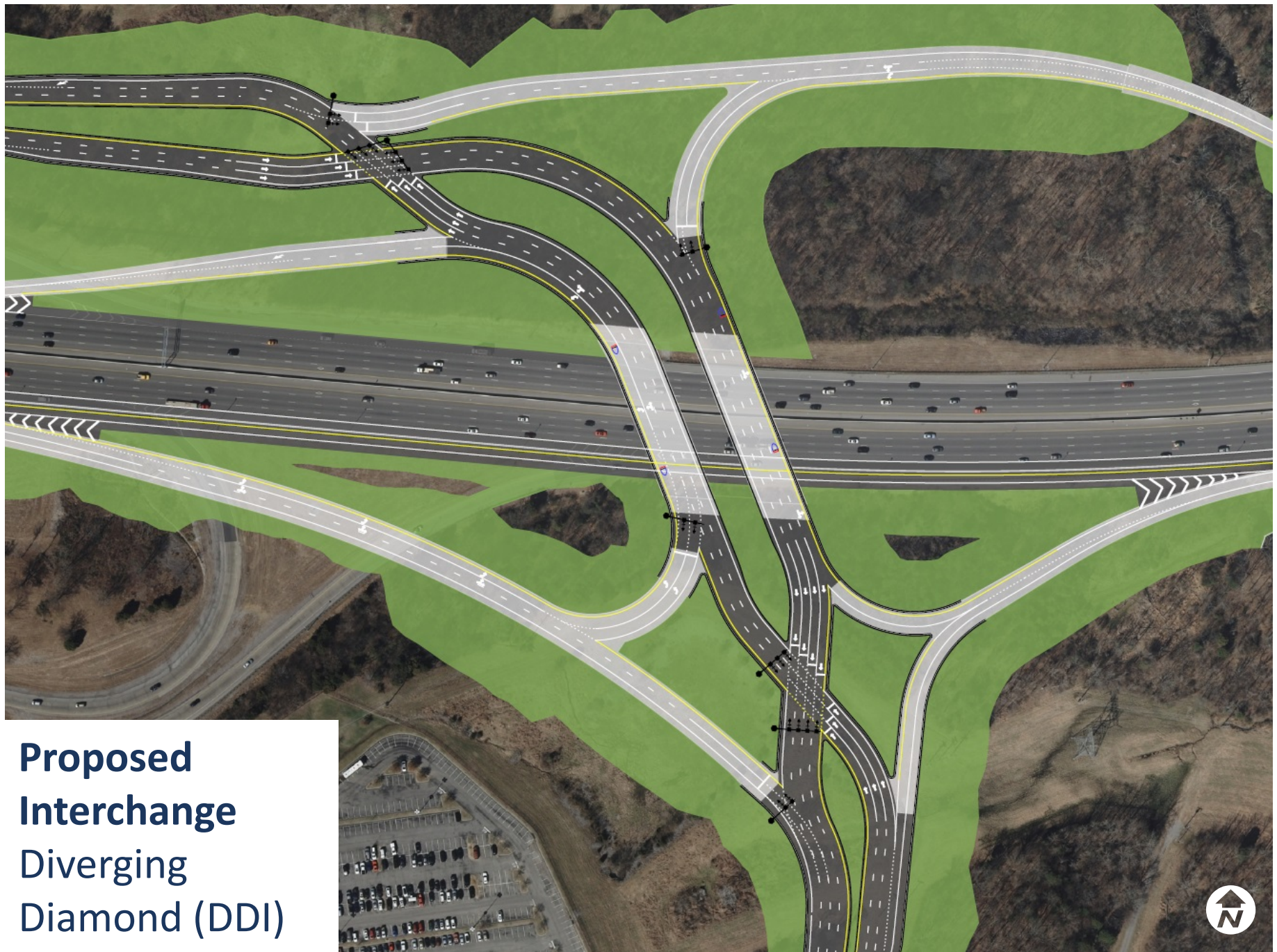
End Project

South of the Parking Spot /
Raceway Entrance

Begin Project

Taxiway Tunnel

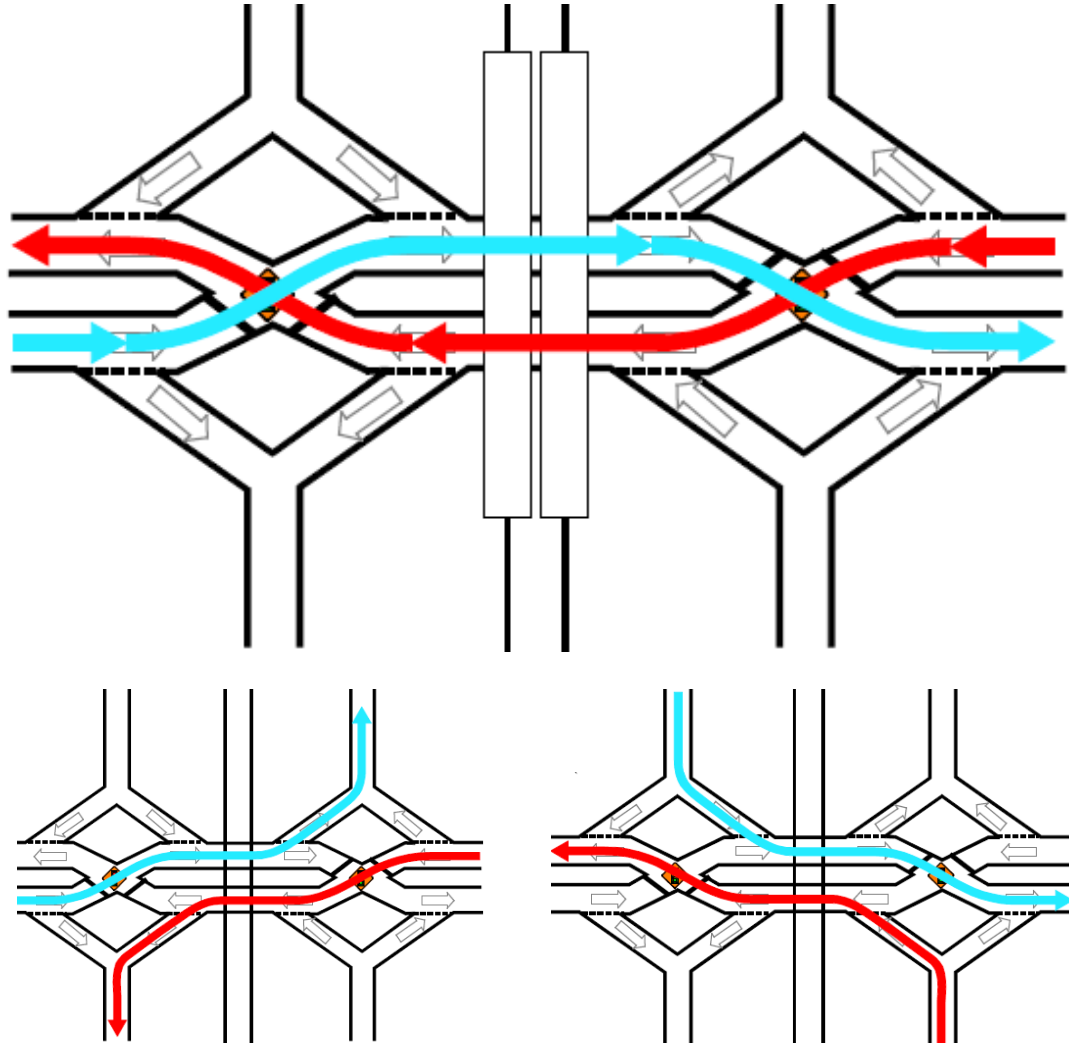
Project Limits
Donelson Pike
SR 255



**Proposed
Interchange
Diverging
Diamond (DDI)**

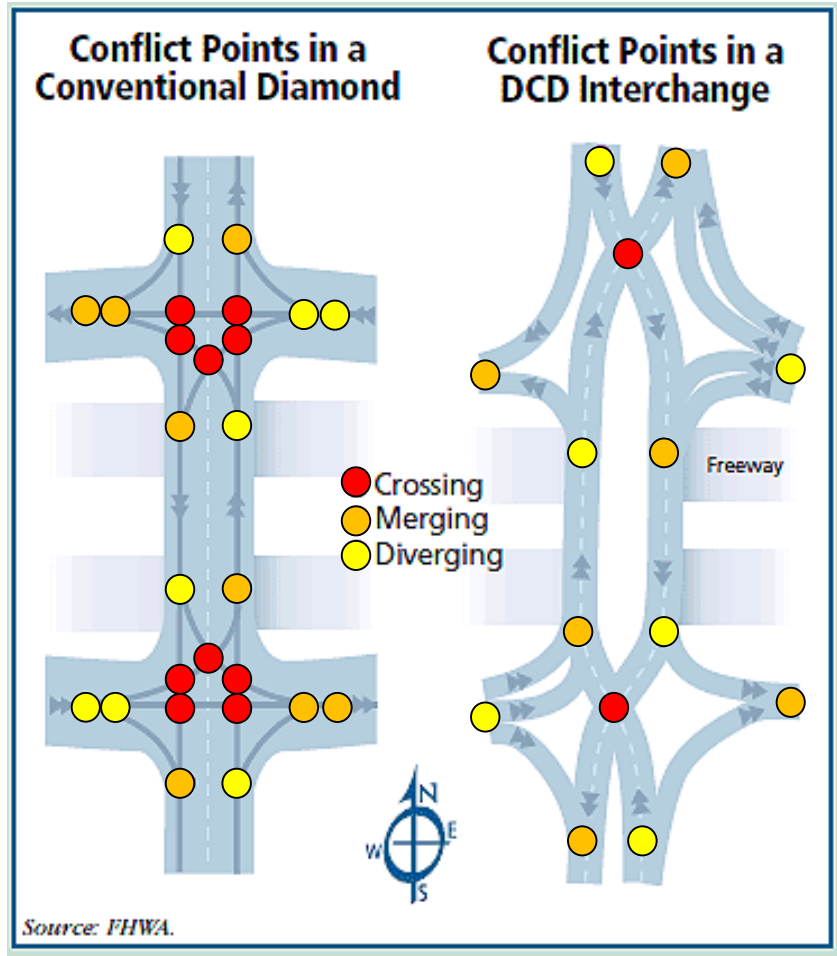
What is a Diverging Diamond Interchange?

- Layout Similar to Standard Diamond
- Traffic Crosses at Signal Prior to Interstate
- Divided One-Way Streets on Opposite Side
- Allows Left Turns with Opposing Thru Traffic



Why a Diverging Diamond Interchange?

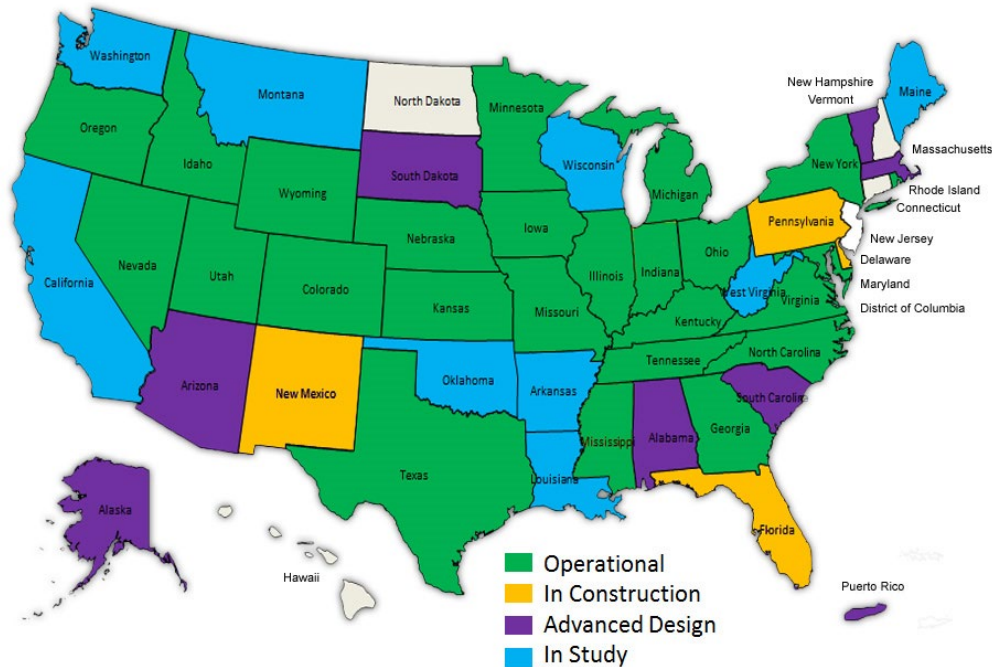
- **Safety:**
 - Reduction in collision points.
- **Operations:**
 - Only 2 phases for each signal.
 - Reduces lanes needed for turning movements.
- **Smaller Footprint:**
 - Lowers Construction cost.
 - Shorter Construction duration.



10
8
8

2
6
6

DDI History in US and TN

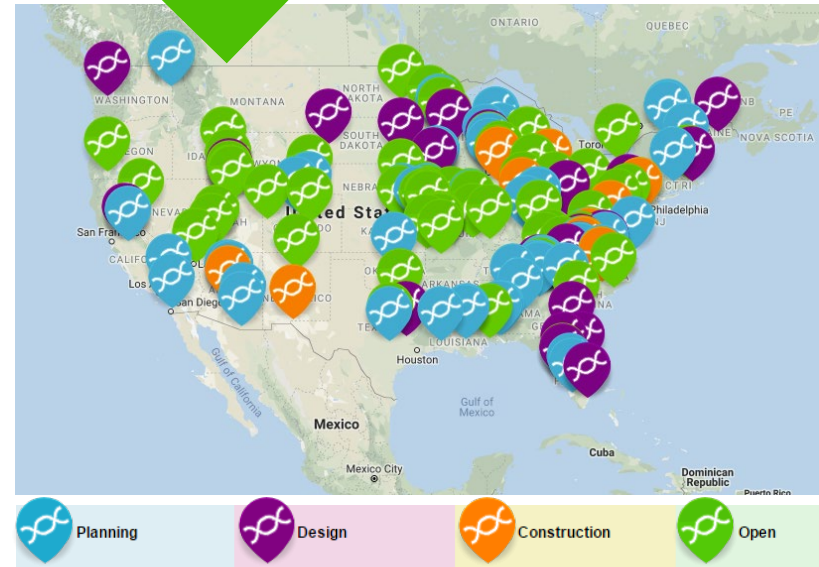


**US 129 / W.
Bessemer St.
in Alcoa**
5th in US
(Dec 2010)

**I-40 / SR 66
(Exit 407)**
51st in US
(June 2015)

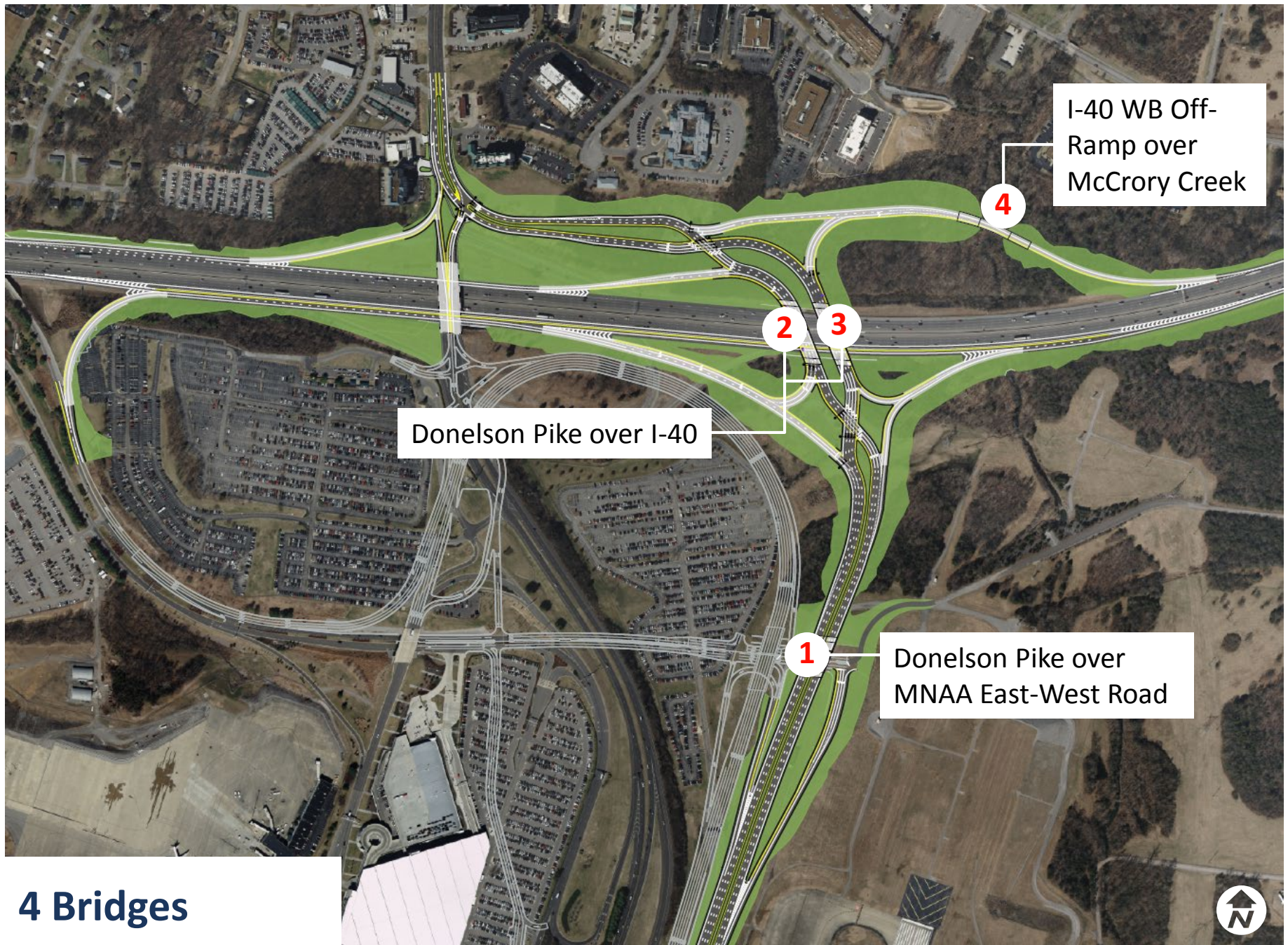
**I-24 / Hickory
Hollow Pkwy
(Exit 60)**
*Begin
Construction
Soon*

89
Currently Open
in the US





**I-40 Collector
Distributor Road**

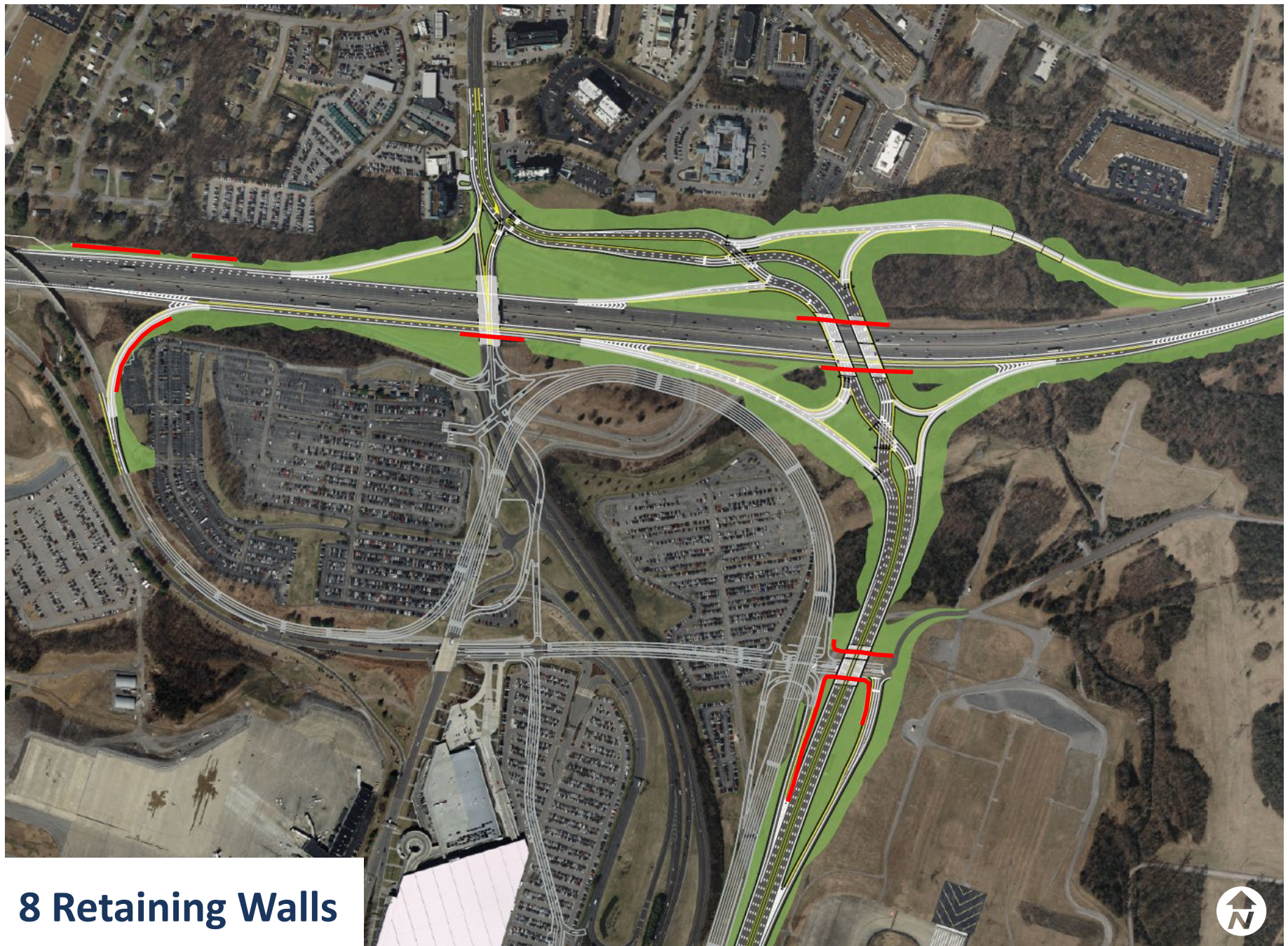


I-40 WB Off-Ramp over McCrory Creek

Donelson Pike over I-40

Donelson Pike over MNA East-West Road

4 Bridges



8 Retaining Walls

PROPOSED NOISE BARRIER WALL

I-40 / Donelson Pike
Interchange

Tammy Sellers
Environmental Division Assistant Director



Discussion Items

Proposed Noise Barrier

- Location
- Questionnaire
- Community Side Finishes

Larkwood Subdivision (Claridge Drive)



Questionnaire

TN **TDOT**
Department of
Transportation

NOISE BARRIER QUESTIONNAIRE

Larkwood Subdivision (Claridge Drive)

I-40/Donelson Pike (SR-255) Interchange and Relocation Project
Davidson County
PIN: 116896.00, Project # 19008-0191-44
October 23, 2018

NAME: _____
ADDRESS: _____

Do you support or oppose the construction of the noise barrier as shown below?

☐ Support
☐ Oppose

Approximate Noise Barrier Location

- Shoulder of I-40
- transitioning to right-of-way
- Average height of 16 feet







BARRIER AESTHETIC FINISH



FINISHES

- ✓ Community side finish will be based on questionnaire results.
- ✓ TDOT will determine the road side finish.

COMMUNITY SIDE FINISH (1st and 2nd preferences)	COMMUNITY SIDE COLOR (Mark preference)
<input type="checkbox"/> Ashlar Stone	<input type="checkbox"/> Grey
<input type="checkbox"/> Random Cut Stone	<input type="checkbox"/> Earth Tone
<input type="checkbox"/> Brick and Fractured Fin	
<input type="checkbox"/> Groove Pattern	







Noise Barrier Finishes



Noise Barrier Finish



Noise Barrier Finish

Noise Barrier Colors



What's Next – Estimated Schedule



3rd Quarter 2019

Begin Right-of-Way Acquisition & Utility Relocation Coordination



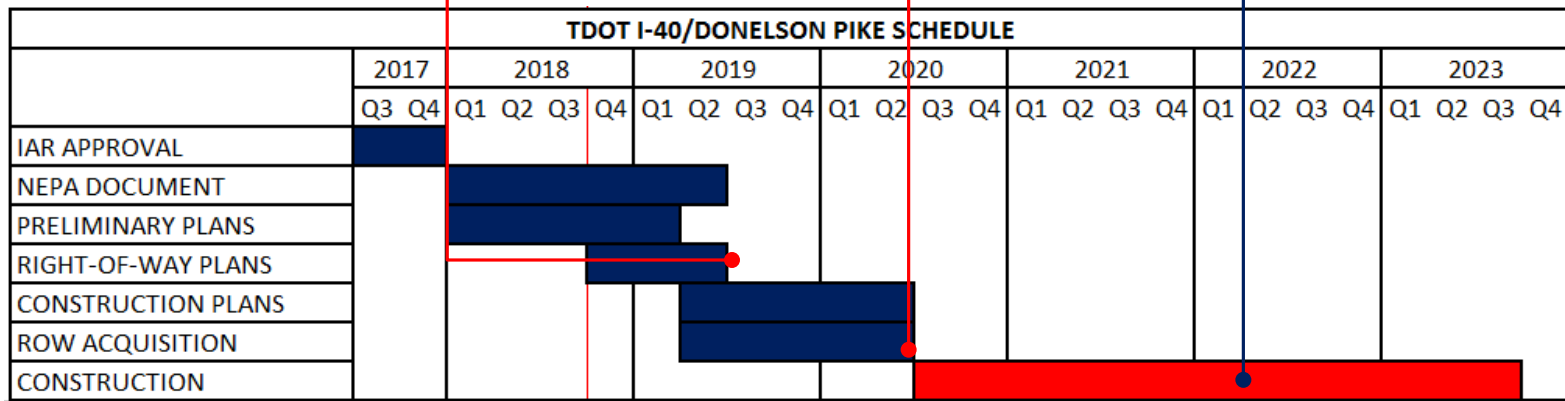
4th Quarter 2020

Contractor Selected & Begin Construction



4th Quarter 2023

Expected completion of Construction



We Need Your Input

Comment Cards

- Tonight - Drop in Box at Sign-In Table
- Later – Mail to Provided TDOT Address
 - Due in 21 Days – November 13, 2018

Court Reporter

- Provide verbal statement to be included in transcript

Questions?



TN

Thank You for Attending

TM