



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

Design Public Meeting

October 23, 2018

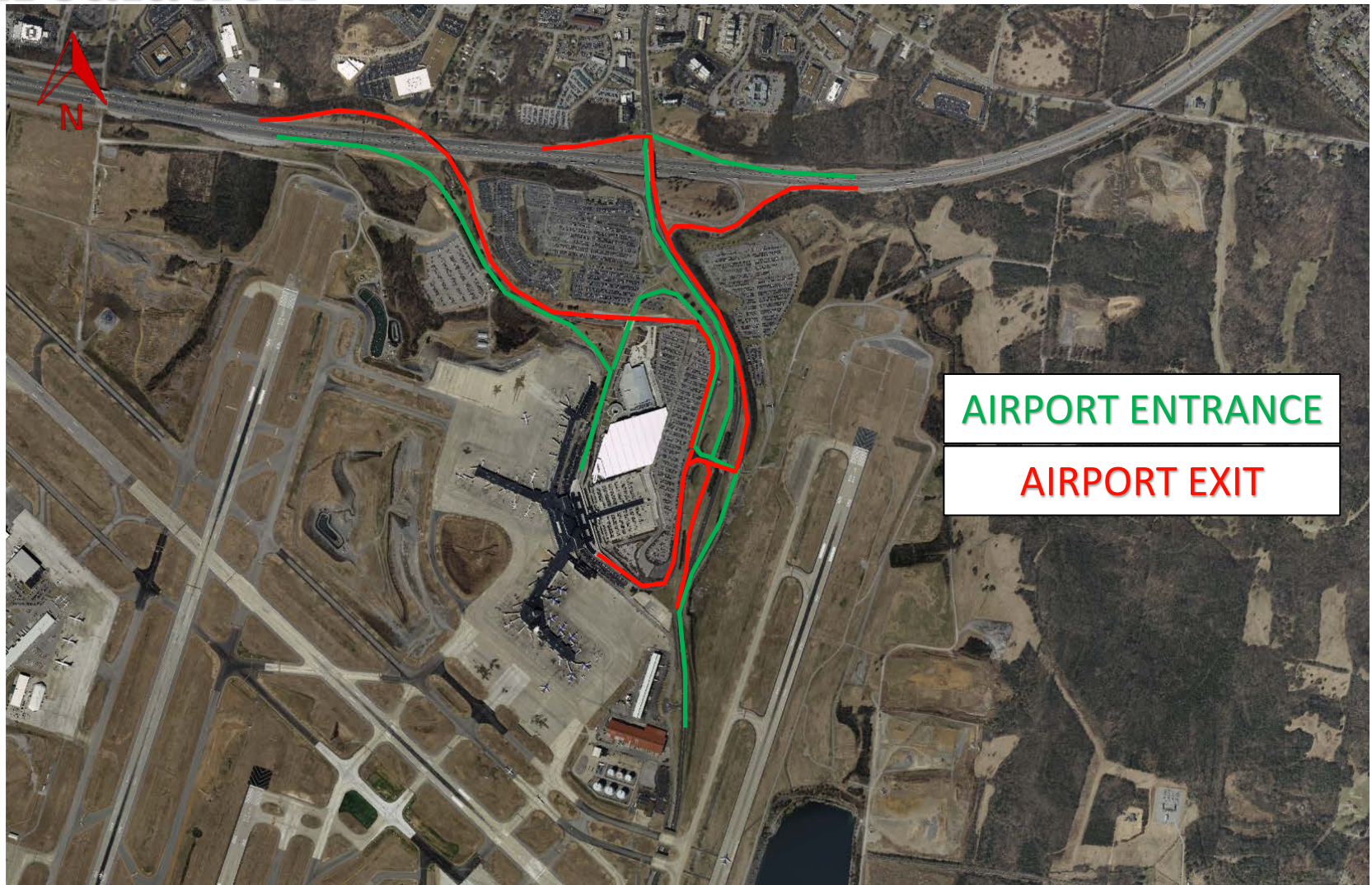
# Welcome & Thank You for Attending

- 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 and Need

- Rapid Growth
  - Downtown & Surrounding Nashville Cities
  - Travel Demands to Nashville International Airport (BNA)
- Improve Traffic Operations and Safety
  - Interchange
  - Airport Access

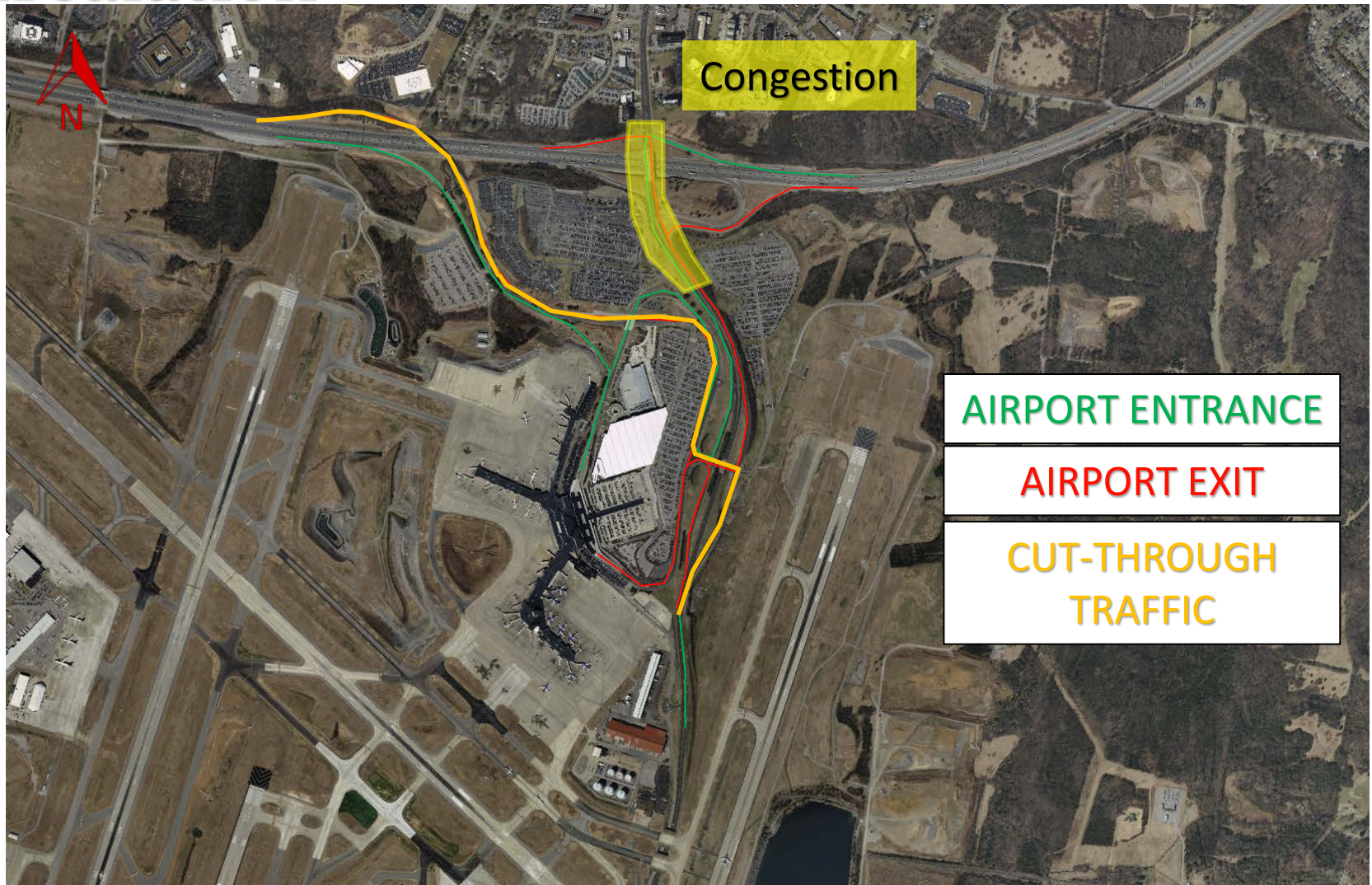
# Purpose & Need – Existing Airport Circulation



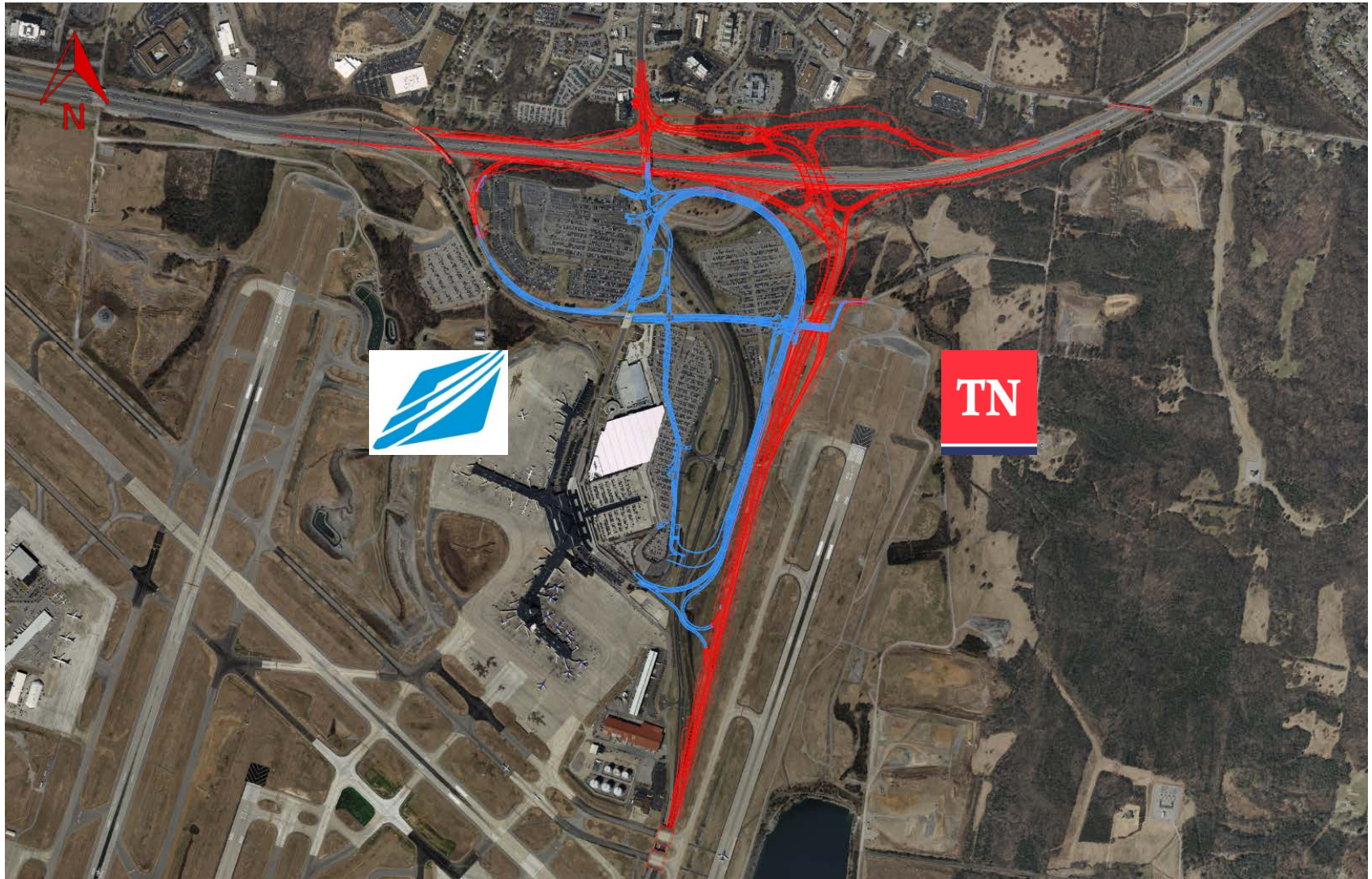
AIRPORT ENTRANCE

AIRPORT EXIT

# Purpose & Need – Existing Airport Circulation



# Project Limits – TDOT vs MNAA



# Project Limits



# Project Limits – I-40



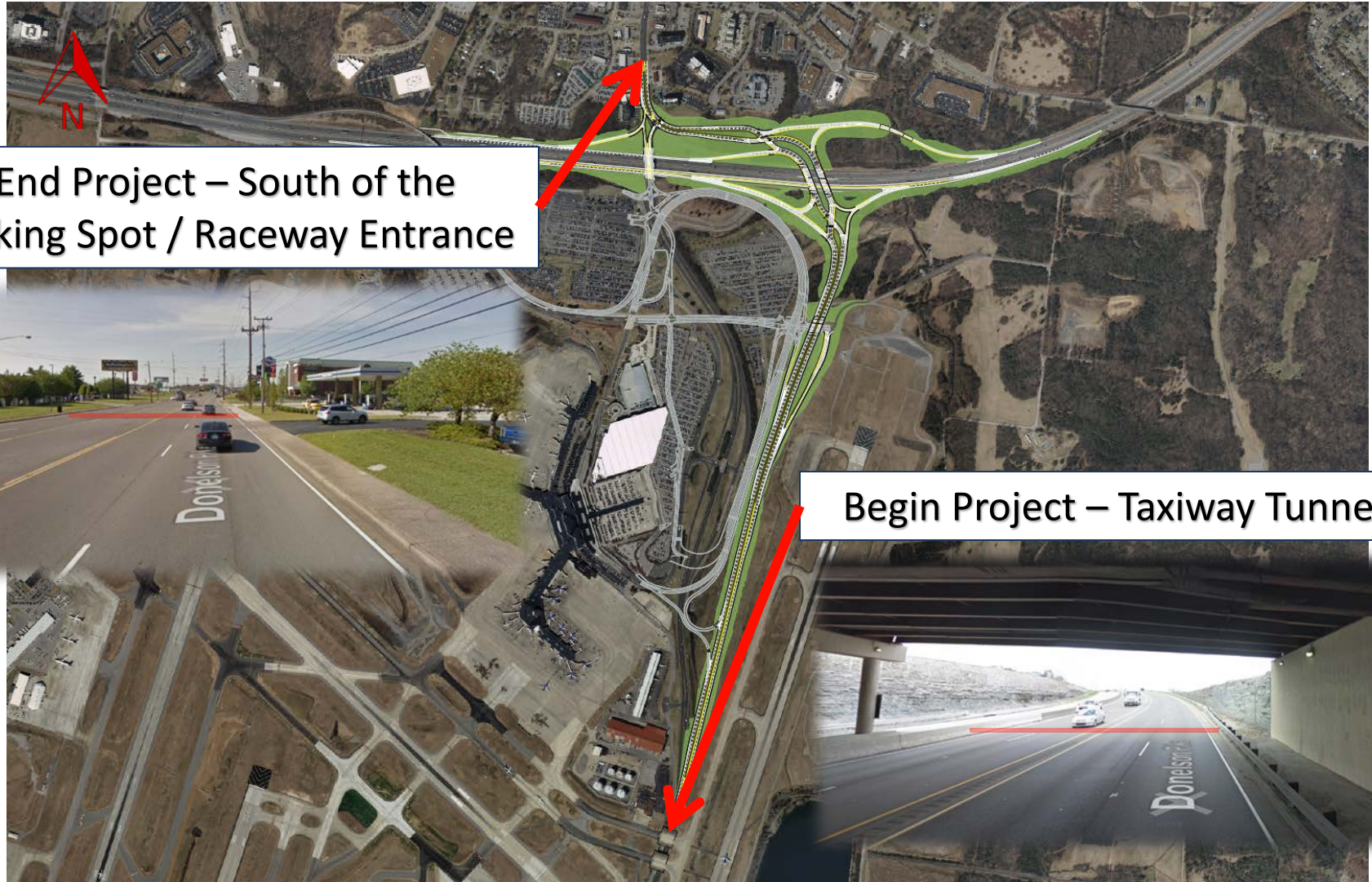
Begin Project – Exit 216A

End Project – West of Elm Hill





# Project Limits – Donelson Pike (S.R. 255)



End Project – South of the  
Parking Spot / Raceway Entrance

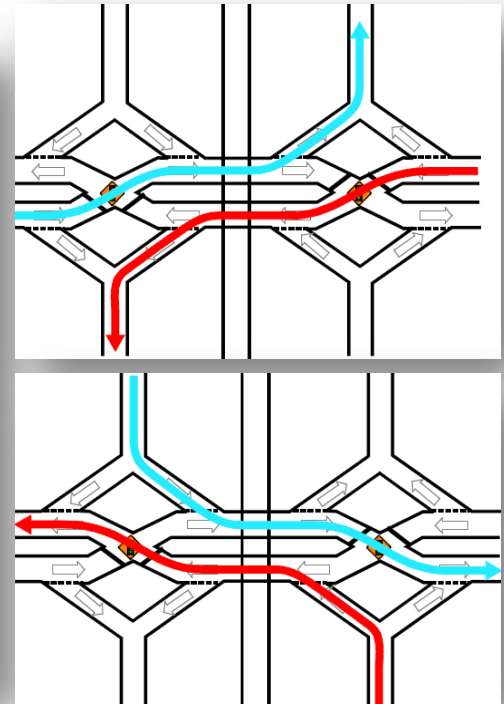
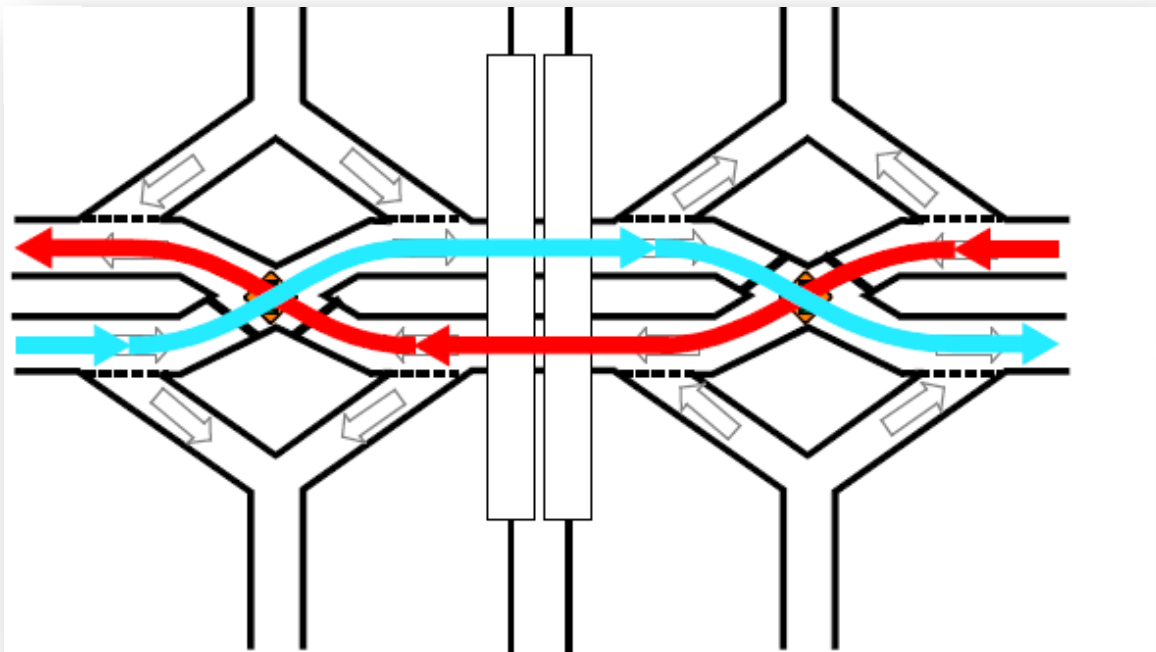
Begin Project – Taxiway Tunnel

# Proposed Interchange – Diverging Diamond (DDI)



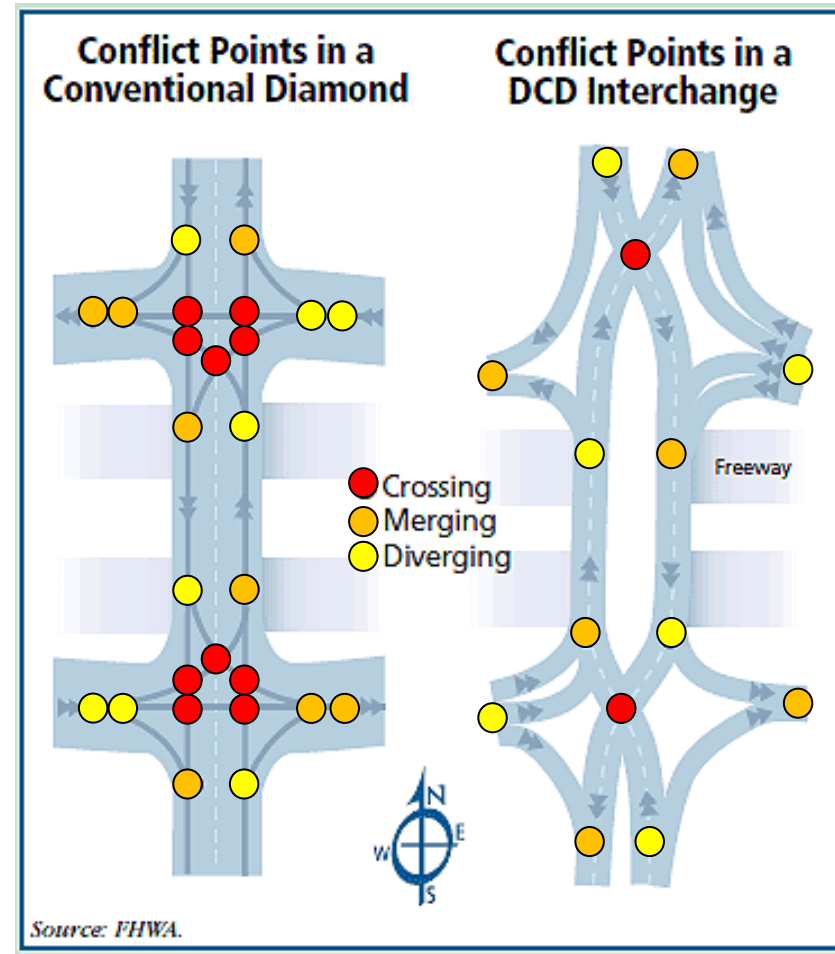
# What is a Diverging Diamond Interchange?

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



# Why a Diverging Diamond Interchange?

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

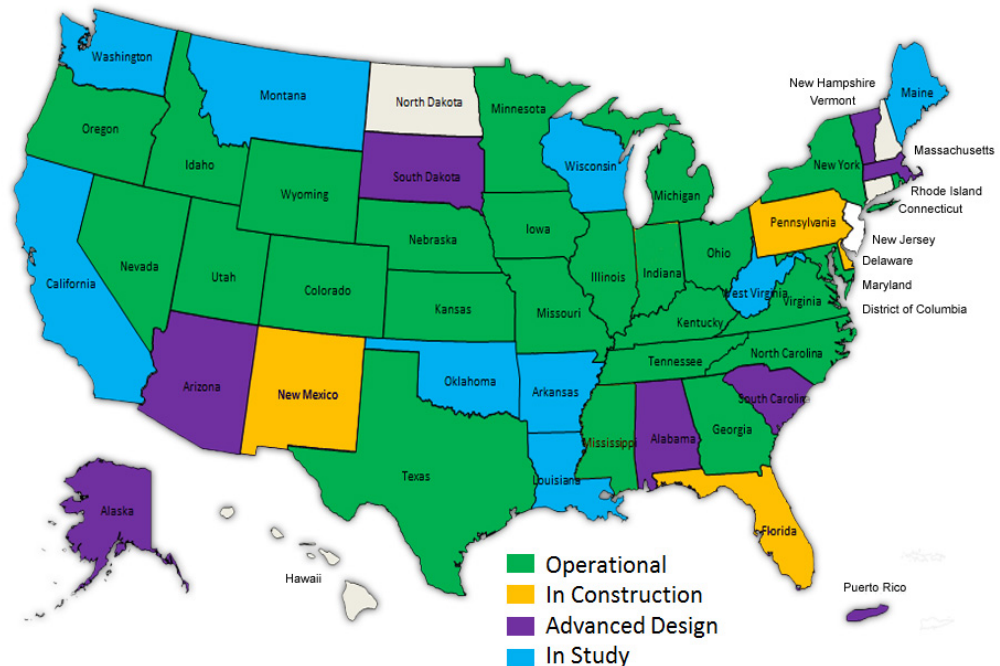


● 10  
● 8  
● 8

● 2  
● 6  
● 6

# DDI History in US and TN

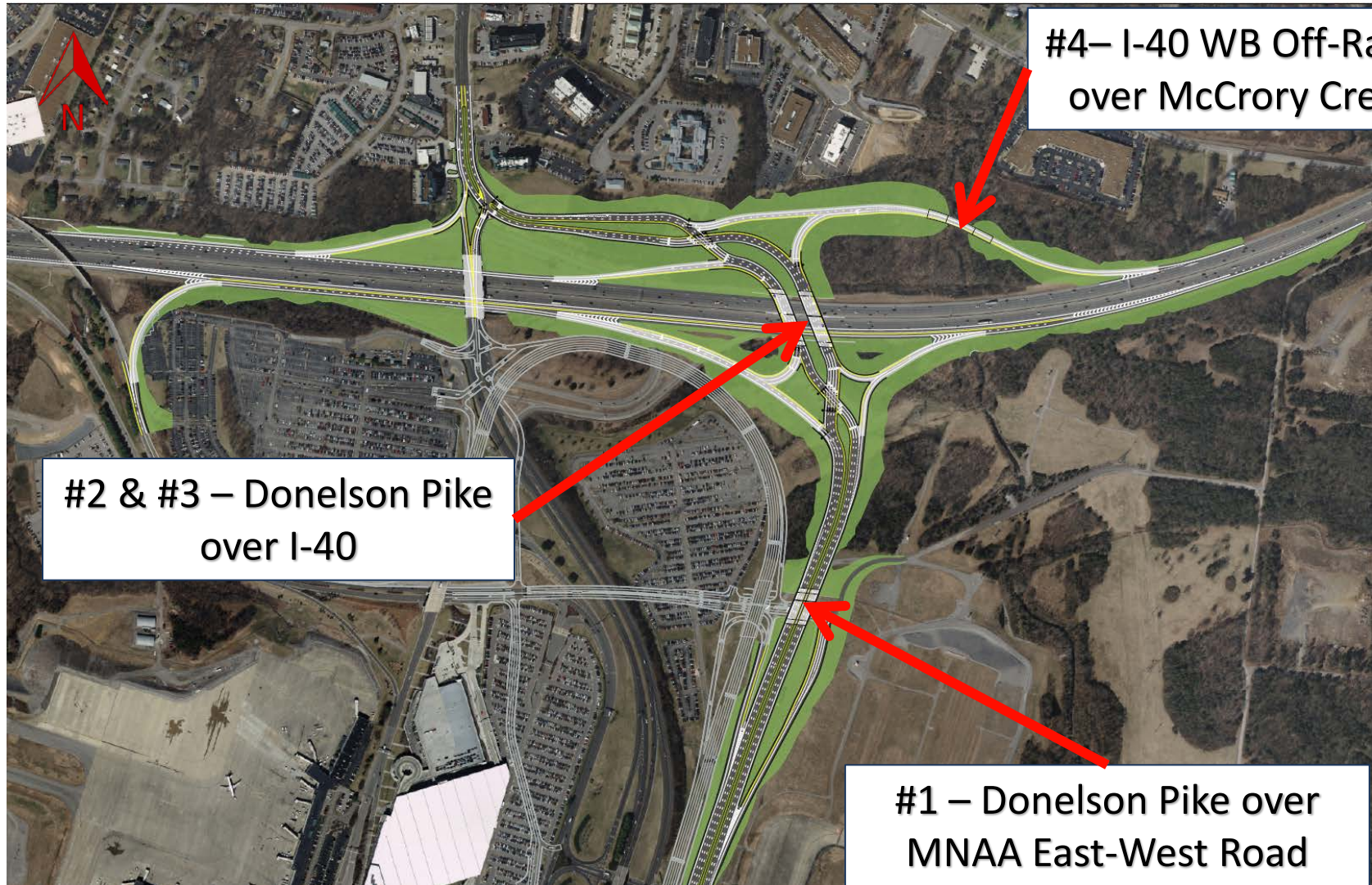
- 1<sup>st</sup> – US 129 / W. Bessemer Street in Alcoa
  - 5<sup>th</sup> in US (Dec 2010)
- 2<sup>nd</sup> – I-40 / S.R. 66 (Exit 407)
  - 51<sup>st</sup> in US (June 2015)
- 3<sup>rd</sup> – I-24 / Hickory Hollow Parkway (Exit 60) – Begin Construction Soon
- 89 Currently Open in the US



# I-40 Collector-Distributor Road



# 4 Bridges



#4- I-40 WB Off-Ramp  
over McCrory Creek

#2 & #3 - Donelson Pike  
over I-40

#1 - Donelson Pike over  
MNAE East-West Road

# 8 Retaining Walls







# PROPOSED NOISE BARRIER WALL

I-40 / Donelson Pike  
Interchange

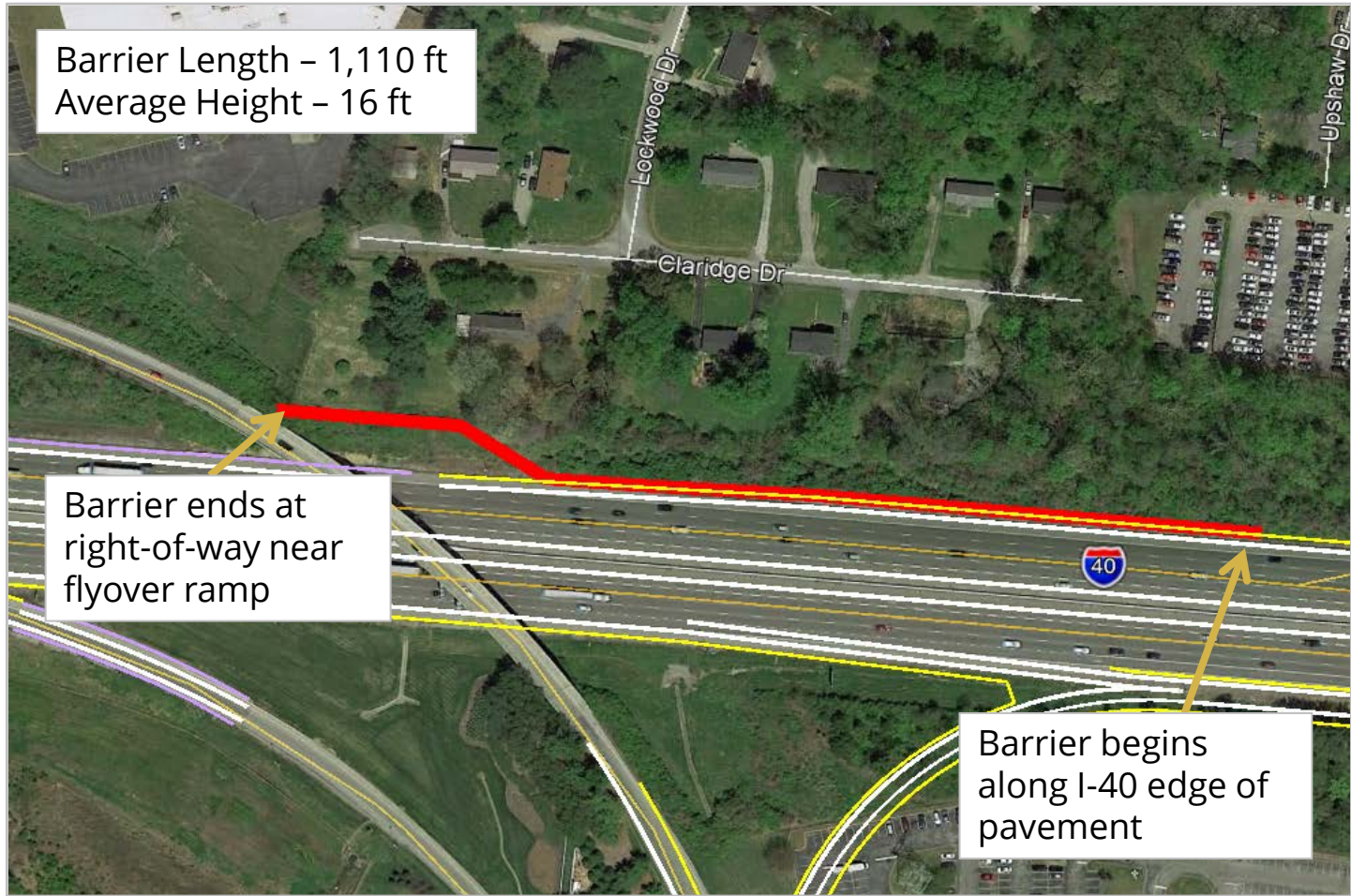
Tammy Sellers  
Environmental Division Assistant  
Director



# Discussion Items

- Proposed Noise Barrier
  - Location
  - Questionnaire
  - Community Side Finishes

# Larkwood Subdivision (Claridge Drive)



# Questionnaire



## NOISE BARRIER QUESTIONNAIRE

Larkwood Subdivision (Claridge Drive)

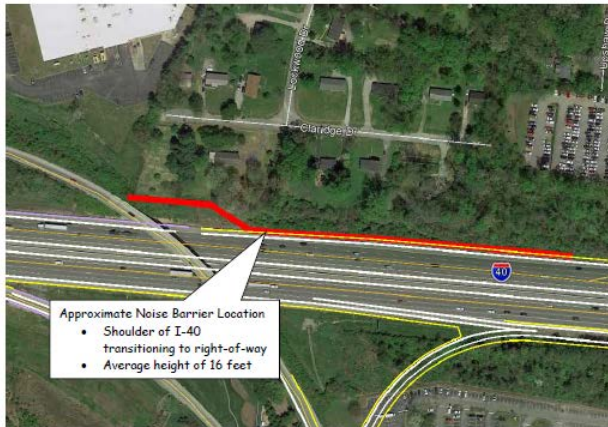
I-40/Donelson Pike (SR-255) Interchange and Relocation Project  
 Davidson County  
 PIN: 116896.00, Project # 19008-0191-44  
 October 23, 2018

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

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

Support  
 Oppose



### NOISE BARRIER AESTHETIC FINISH

#### PANEL FINISHES

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

#### COMMUNITY SIDE FINISH (Mark 1<sup>st</sup> and 2<sup>nd</sup> preferences)

- Ashlar Stone
- Random Cut Stone
- Block and Fractured Fin
- V-Groove Pattern

#### COMMUNITY SIDE COLOR (Mark preference)

- Grey
- Earth Tone



Comments: \_\_\_\_\_

\_\_\_\_\_

# Noise Barrier Finish

## Ashlar Stone



# Noise Barrier Finish

## Random Cut Stone



# Noise Barrier Finish

## V-Groove Pattern



# Noise Barrier Finish

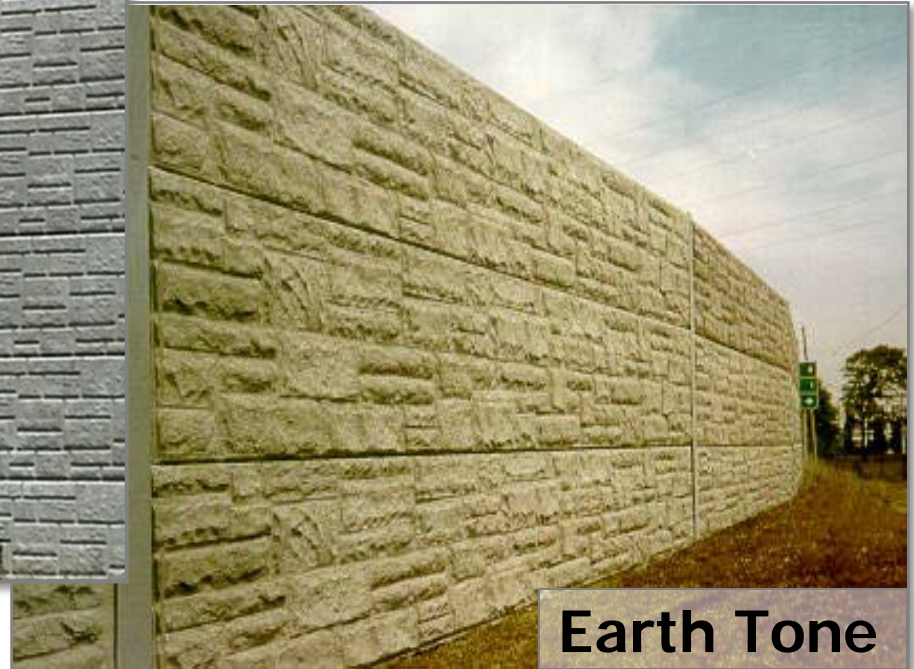
## Block and Fractured Fin





# Noise Barrier Finish

## Noise Barrier Colors



# What's Next – Estimated Schedule

- 3<sup>rd</sup> Quarter 2019 – Begin Right-of-Way Acquisition & Utility Relocation Coordination
- 4<sup>th</sup> Quarter 2020 – Contractor Selected & Begin Construction
- 4<sup>th</sup> Quarter 2023 – Expected completion of Construction



TDOT I-40/DONELSON PIKE SCHEDULE																											
	2017		2018				2019				2020				2021				2022				2023				
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
IAR APPROVAL	█																										
NEPA DOCUMENT			█	█	█	█	█	█	█																		
PRELIMINARY PLANS			█	█	█	█	█	█																			
RIGHT-OF-WAY PLANS						█	█	█	█																		
CONSTRUCTION PLANS										█	█	█	█														
ROW ACQUISITION										█	█	█	█														
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**