



# I-440 Reconstruction From I-40 to I-24

# I-440 Project Overview

- Constructed in the early 80s
- 7.8 miles+/-
- I-440 serves as an urban interstate facility linking I-40 in the west to I-24/I-40 in the east. This facility also serves as a connection to I-65, which connects to Nashville to the north and to Brentwood/Franklin/Huntsville to the south.
- The existing concrete pavement on I-440 is in substandard condition.
- The crash rates on I-440 are approximately 1.8 times higher than the statewide average for urban interstate facilities.

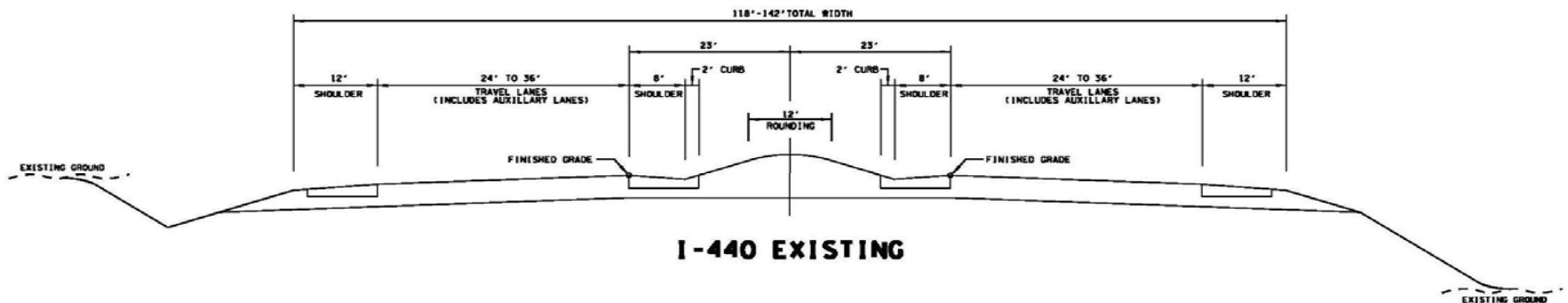
# I-440 ADT

## AADT

- 2016 – 94,801 (Along the corridor)
- 2021 – 102,968 (Along the corridor)
- 2041 – 123,688 (Along the corridor)
- Lowest between Murphy Road and West End
  - 85,890 (2021)
  - 104,360 (2041)
- Highest between Hillsboro Road & I-65
  - 115,740 (2021)
  - 138,400 (2041)
- 7% Trucks

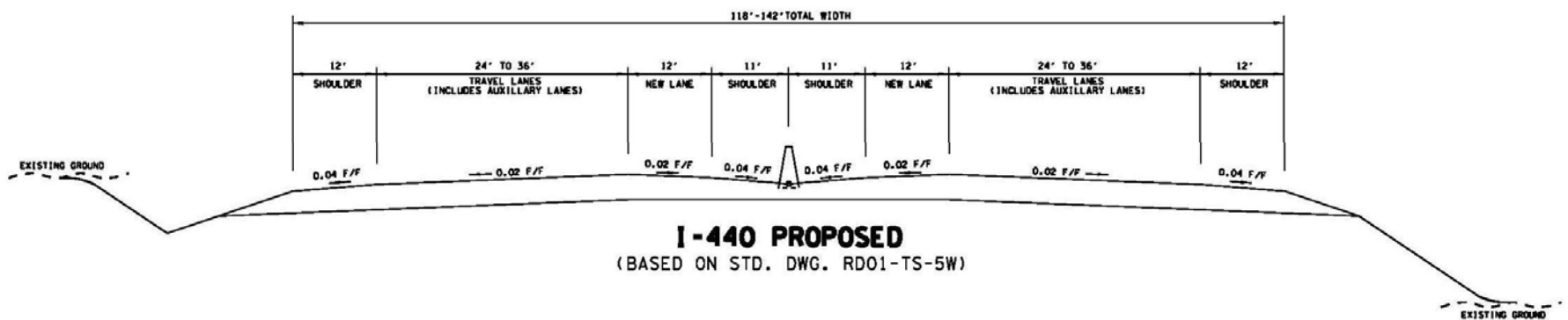
# Existing Typical Section

- Travel Lanes (TL)
  - 2 Lanes in each direction West of Nolensville Rd
  - 3 Lanes in each direction East of Nolensville Rd
- 8-foot inside shoulders with 2-foot curb
- 13-foot grass median
- Total Median Width – 46 feet (TL to TL)
- 12-foot outside shoulders



# I-440 Proposed Improvements

- Removing and replacing the existing pavement
  - Eastbound Reconstruction ends west of Nolensville Road
- Widening to the inside to provide a minimum of six (6) travel lanes (3 in each direction) throughout the corridor
  - Widening ends west of Nolensville Road
  - 12-foot Travel Way
  - 11-foot +/- shoulder (See Handout for Bridges)



# Other Improvement

- Bridges to be Widened include:
  - Bridge over Lealand Lane
  - Bridge over Craig Avenue
  - Bridge over I-65
  - Bridge over Bransford Avenue
- Repair/Replace Noise walls
- Signing
- ITS
- Lighting
- Rockfall Mitigation??
- Adjoining Projects
  - I-40 EB, From east of 40<sup>th</sup> Ave to I-440 EB Ramp
  - I-440 at Murphy Road – EB Off-Ramp
  - I-440 at 21<sup>st</sup> – WB Off-Ramp

# Functional



# Schedule

- NEPA - On-Going, Estimated Completion: October 2017
  - Tech Studies
  - Noise
- Survey – Estimated Completion: July 2017
  - Drainage System & SUE
  - Survey Fly Through
- Select Owner Representative: On or Before 7/28/2017
- RFQ – Fall 2017
- RFP – Spring 2018
- Begin Construction: Summer 2018





# Questions ?