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 40th Ave to I-440 EB Ramp
  – I-440 at Murphy Road – EB Off-Ramp
  – I-440 at 21st – 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 ?