



**VOLKERT**

**TN** **TDOT**  
Department of  
Transportation

An aerial rendering of a highway interchange and bridge over a river. The scene includes a multi-level interchange with several ramps, a bridge crossing a wide river, and a large industrial or construction site with numerous cranes and structures. The background shows a hilly landscape with a large building. The text is overlaid in a large, bold, red font.

# I-124/U.S. 27 Widening from I-24 to Olgiate Bridge over TN River

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# View Looking North



# View Looking South



# I-124/U.S. 27 Widening Project Background

- **Originally constructed in the 1950s and 1960s**
- **Design speed 55 mph**
- **Design capacity 15,000 to 20,000 vehicles per day**
- **Some improvements since it was built**

# I-124/U.S. 27 Widening Project Background

## TIMELINE

- **2006 - Design began**
- **2015 - Right-of-way purchase complete**
- **2015 - Construction plans completed-  
Project Bid and Awarded**
- **Late 2015 - Construction Began**

# I-124/U.S. 27 Major Issues

- **Current Safety/Design Criteria**
- **Traffic Capacity**
- **Entrance and Exit Ramp  
(acceleration and deceleration)**
- **Pavement repairs**

# I-124/U.S. 27

## Average Daily Traffic Volume 69,806



# I-124/U.S. 27 Project Details

- **Original construction cost estimated at \$85M – Bid at \$126 M**
- **Construction completion: 7/31/19**
- **2.3 miles long**
- **33 retaining walls**
- **10 bridges rebuilt**

# I-124/U.S. 27 Design Details

- **New road will have 6 travel lanes (3 each direction) and 1 to 2 lanes for ramp ingress and egress**
- **Remove “S” curve**
- **New entrance and exit ramps**
- **Collector road southbound from 4<sup>th</sup> to 9th**

# I-124/U.S. 27 Traffic Phasing

Will be 4 major Phases with minor traffic shifts in between

**2 lanes in each direction will be maintained at all times during construction\***

# 2 lanes = Nighttime work



# Phase 1 (2015)

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- **Work will be focused on northbound bridges and retaining wall at Cameron Hill**
- **Construct new Main Street exit ramp**

# Phase 2 (2016)

- **Traffic is shifted over and median work begins**
- **Work continues on retaining wall at Cameron Hill**
- **Olgiate bridge work begins**

# Phase 3 (2017)

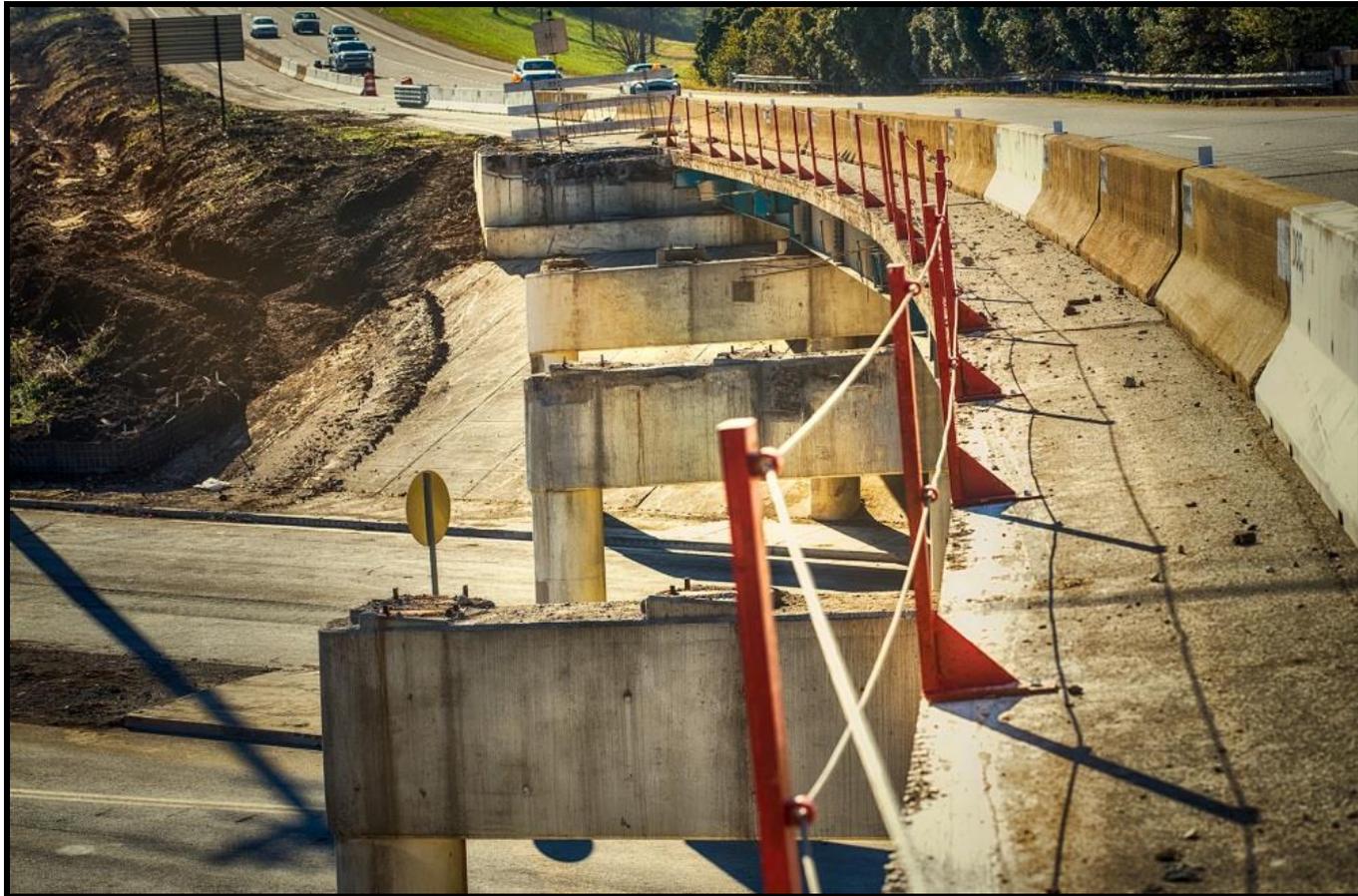
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- **Traffic is shifted over and work begins on southbound bridges**
- **Work continues on retaining wall at Cameron Hill**
- **Olgiati bridge work continues**

# Phase 4 (2018 - Early 2019)

- **Finish northbound MLK/4<sup>th</sup> street on ramps**
- **Final asphalt paving and striping**
- **Lighting and ITS completed**

# Bridge Demolition



# Construction



# US 27 Art – Lawson Whitaker



# US 27 Art – Lawson Whitaker



# US 27 Art – Lawson Whitaker



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# US 27 Art – Lawson Whitaker



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# Questions?

<http://www.tn.gov/tdot/topic/US27-reconstruction-chattanooga>

