

IR-75 THRU THE VALLEY PRESENTATION • TRAFFIC ENGINEERING WORKSHOP, JUNE 5, 2019



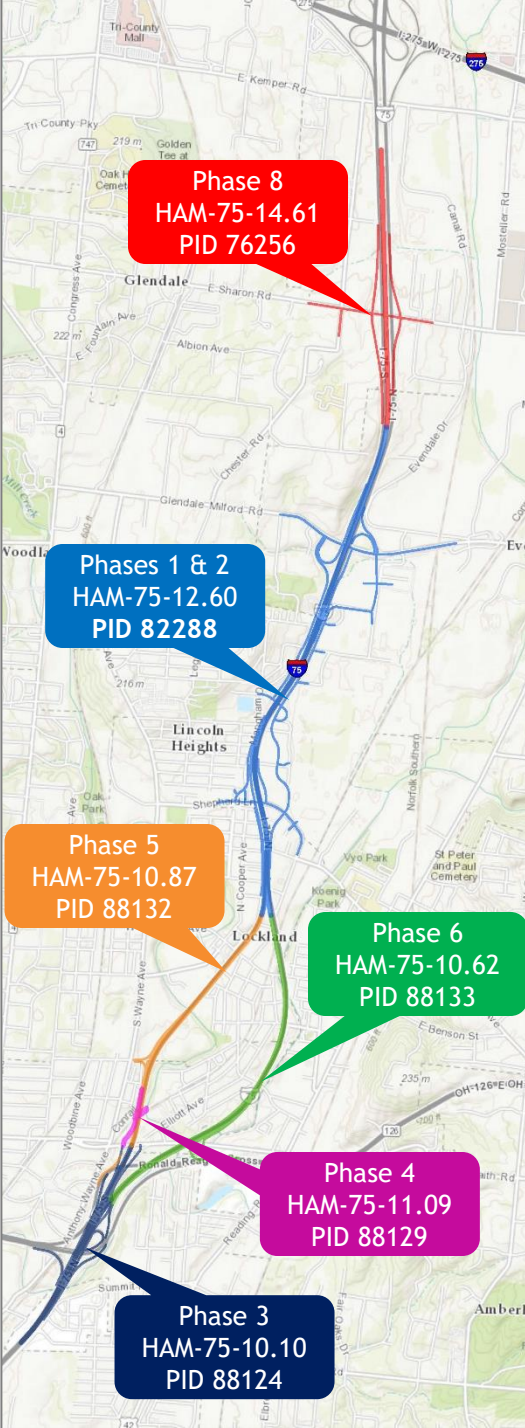
OHIO DEPARTMENT OF
TRANSPORTATION

IR-75 THRU THE VALLEY UPDATE

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D-8 Bridge Design Engineer
TTV Coordinator
ODOT District 8 Engineering

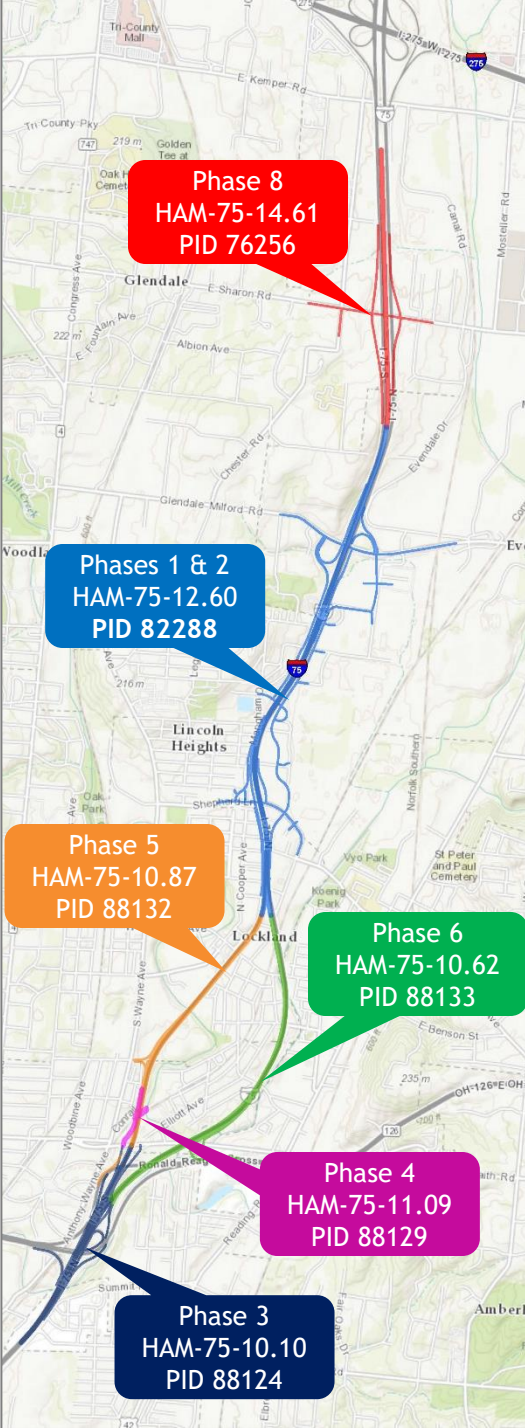
PROJECT OVERVIEW

- TTV - Thru The Valley is the rehabilitation, and one lane addition in each direction, of IR 75 from a little south of Cross County Interchange to just south of the IR 275 Outerbelt.



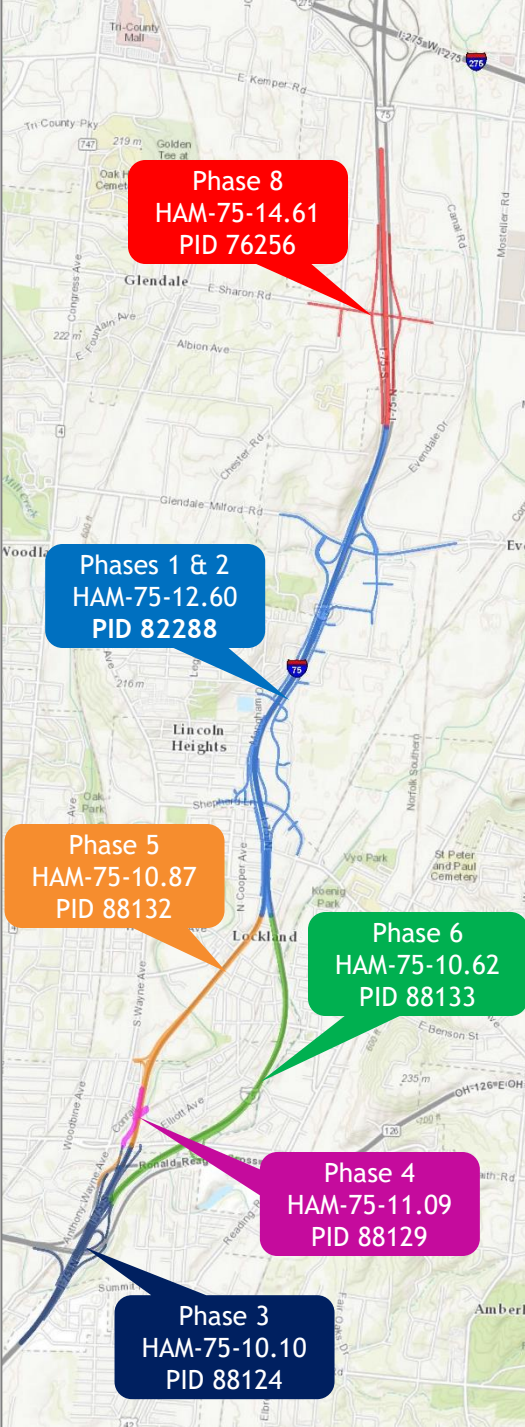
PROJECT OVERVIEW

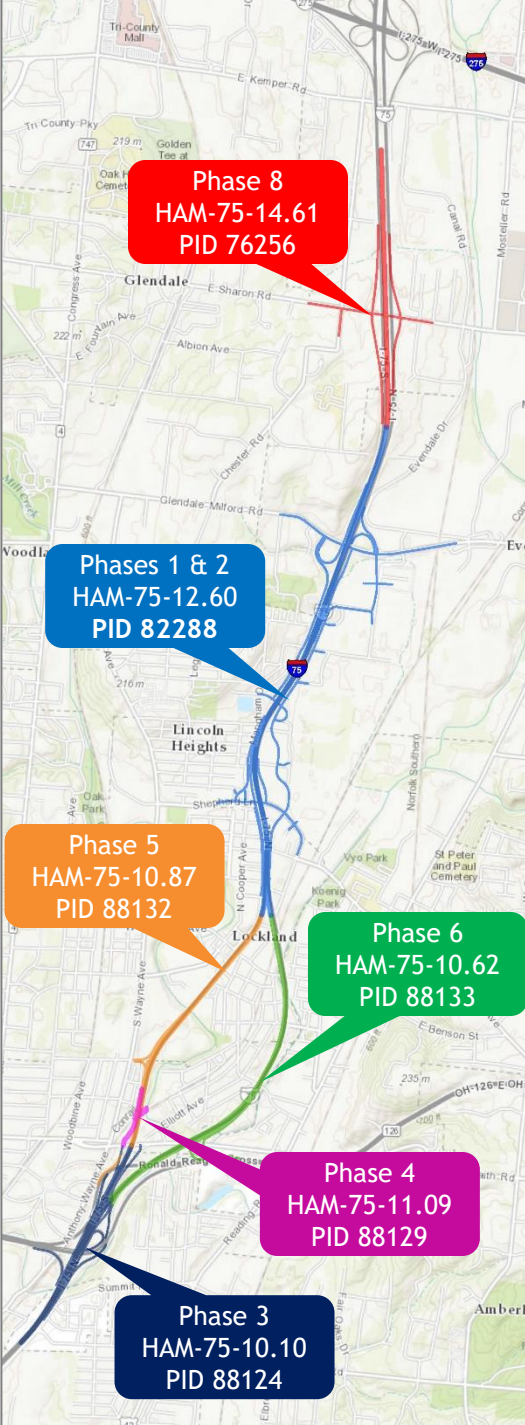
- The project initially started out in 8 phases plus building demolition, and now consists of 7 separate phases plus demolition.
- Original phase numbering have been retained to maintain continuity with the NEPA Document.



PROJECT OVERVIEW

- District sequenced construction and prioritized the order of the phases.
 - Building Demolition
 - Phases in order of priority
 - Fully Funded Phases: 1&2, 3
 - Unfunded Phases: 8, 4, 5, 6

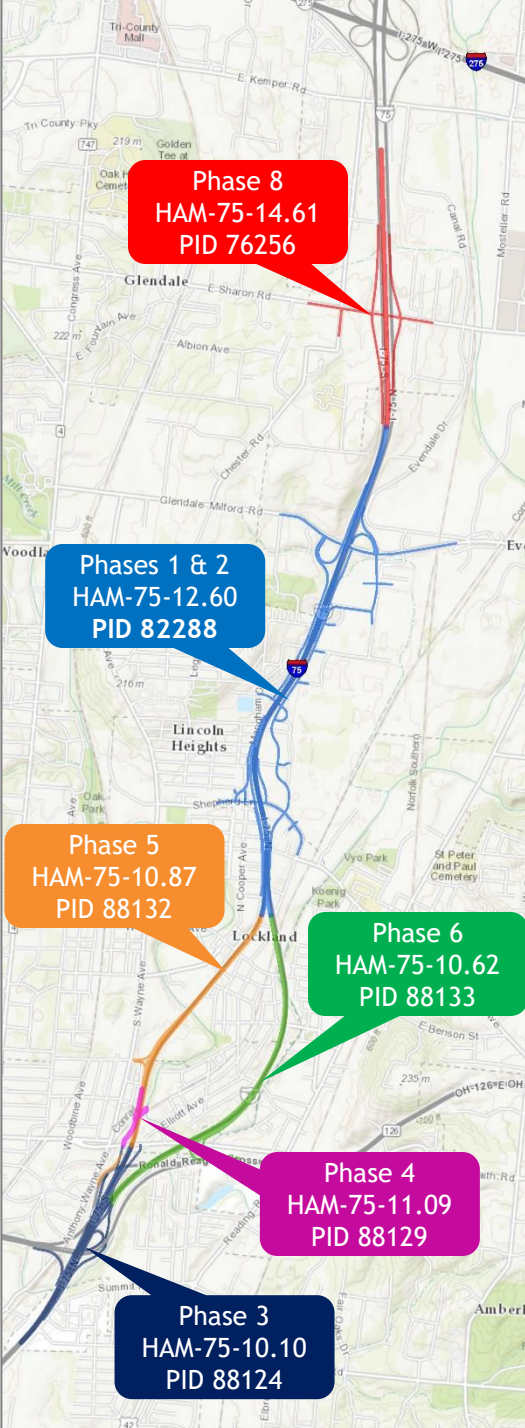




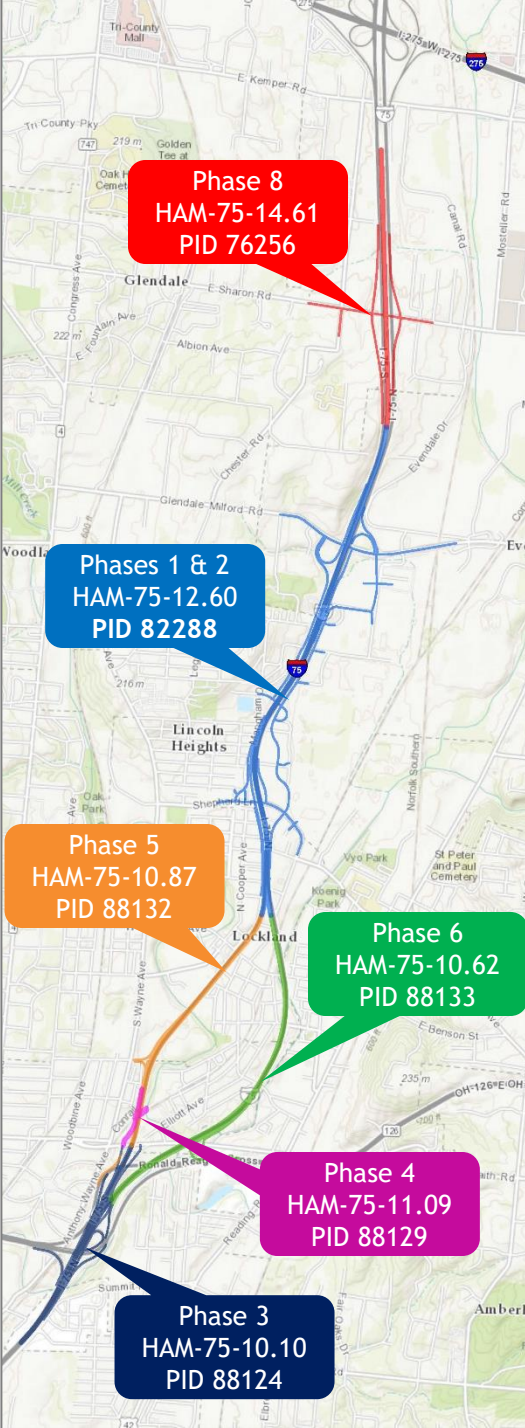
INDIVIDUAL PHASES

- **Phase 1&2** is under construction with additional needed funding being provided through National Highway Freight, SIB Loan and District Preservation.
- Total: \$118.2M, \$90.0M for Const.
- Construction: 2017 through 2020
- Video

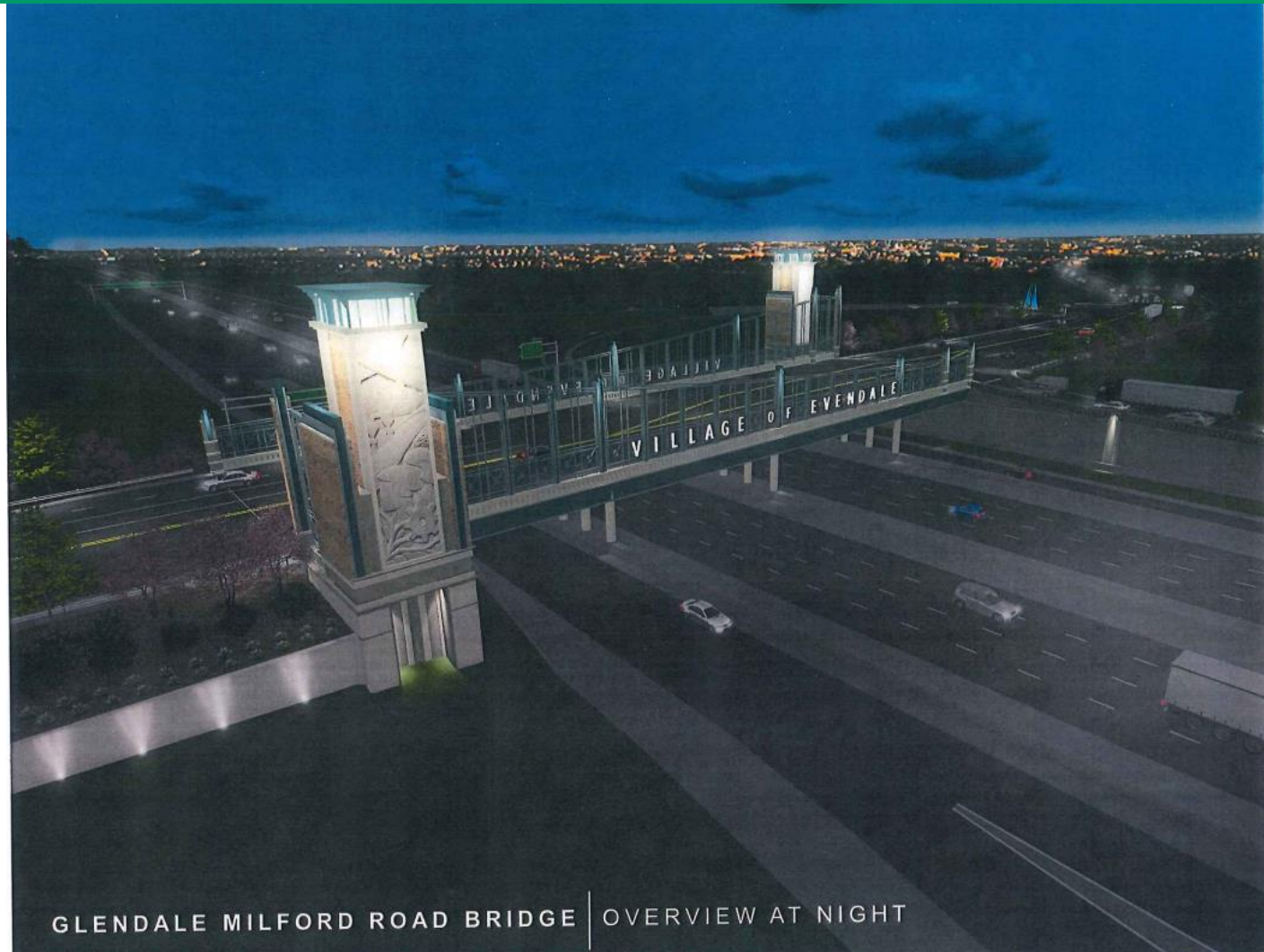
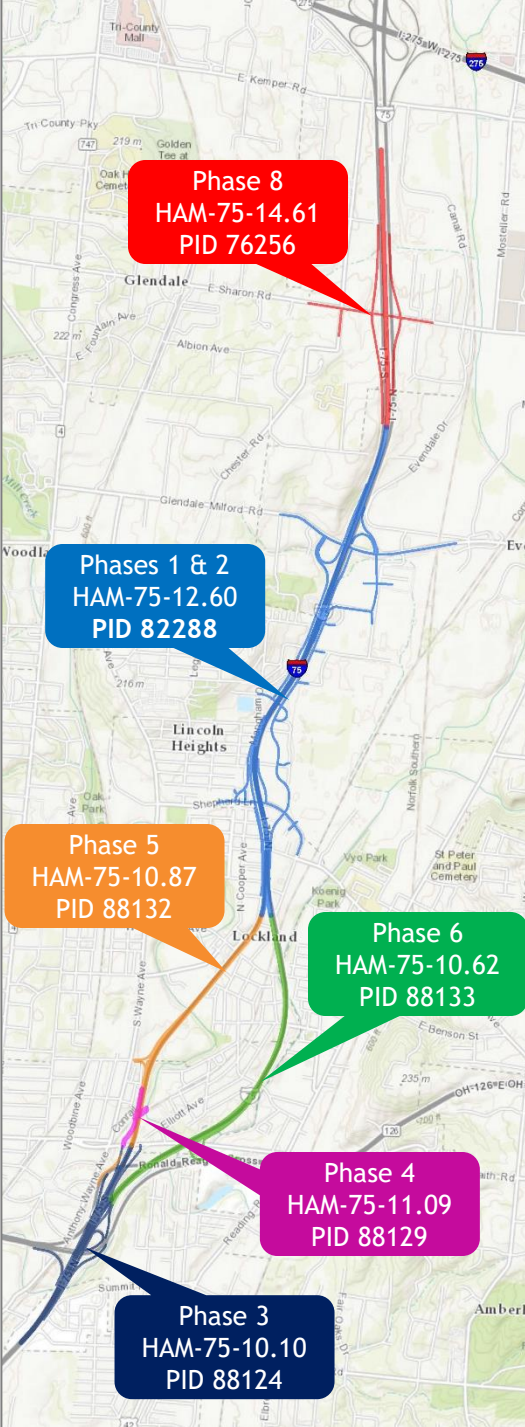
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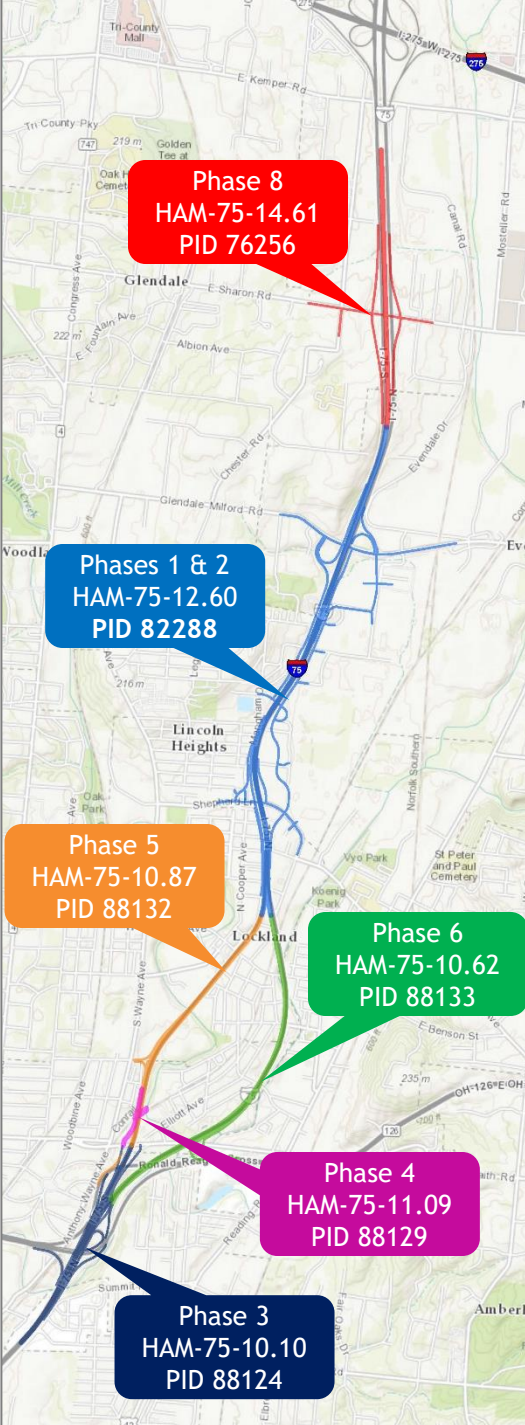


INDIVIDUAL PHASES



INDIVIDUAL PHASES



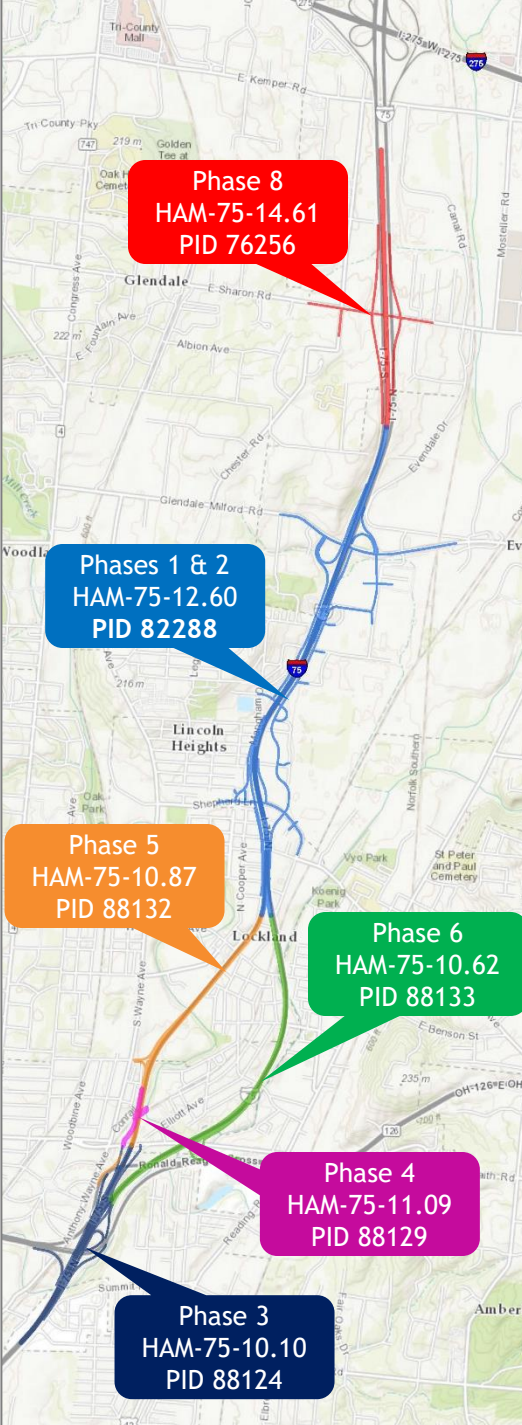


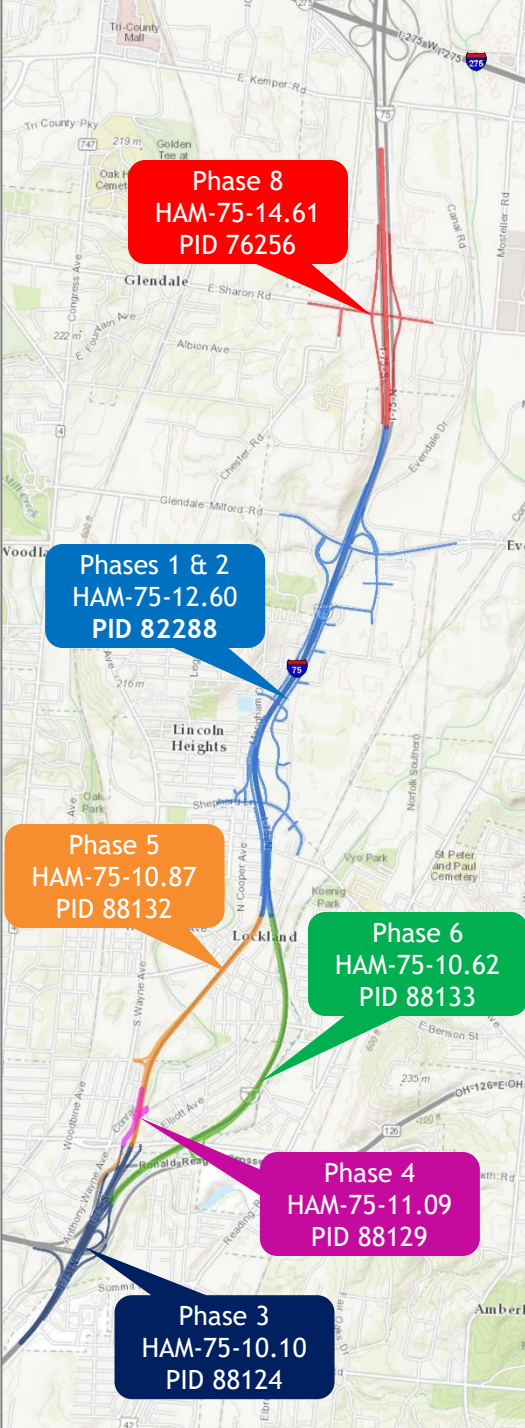
INDIVIDUAL PHASES

- Phase 3,
- I75 and Cross County Interchange.
- Replaces high speed NB Galbraith off ramp with a fly over ramp configuration.
- Construction needs have been funded with \$51.4 million Multi-Lane Major Rehab.
- Total \$53.4M
- Construction: 2024 through 2025

INDIVIDUAL PHASES

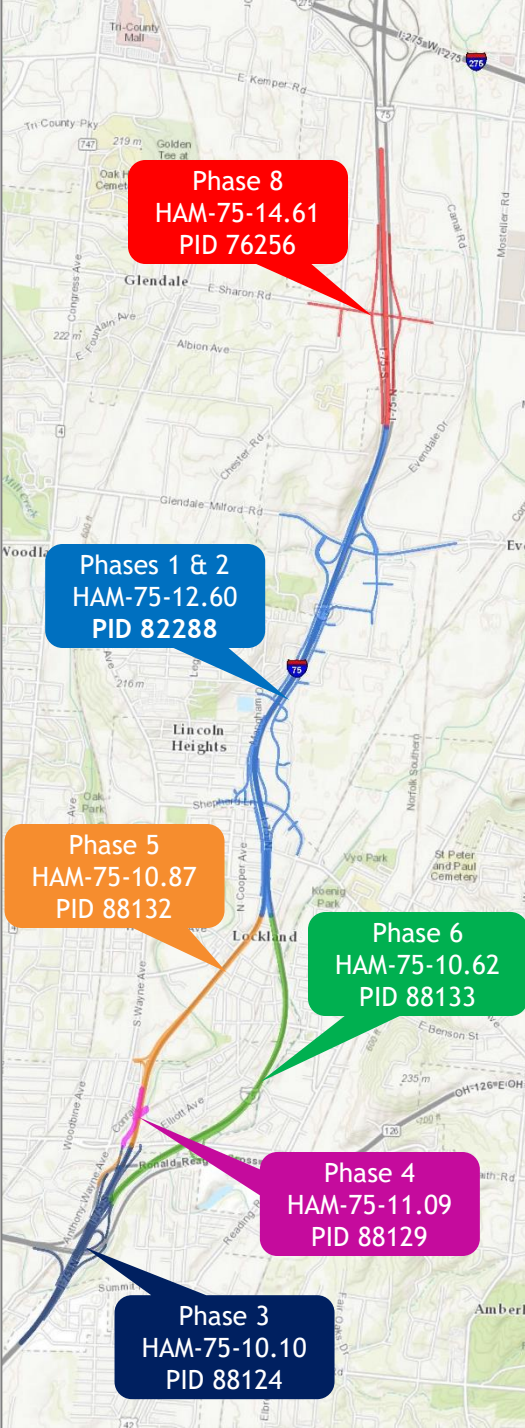
- **Phase 8 (Not funded for Construction)**
 - IR-75 and Sharon Road Interchange.
 - Will complete the IR75 4th lane addition from the IR75 Split to the Montgomery County line and connect the completed Phase 1&2 to IR275 Outerbelt.
 - Asking TRAC for \$37.9M construction funding.
 - Total Project Cost about \$51.6M





INDIVIDUAL PHASES

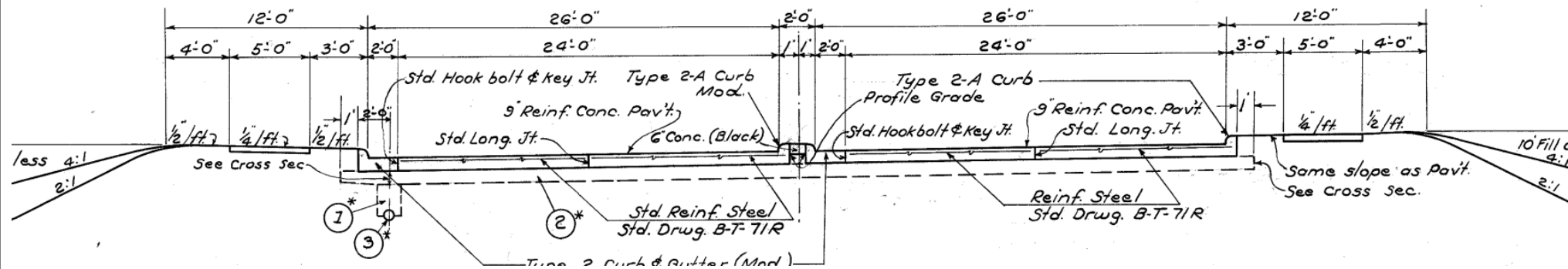
- Phase 4 (Not funded for Construction)
 - Prephase to replace NS Railroad's bridge north of Galbraith Road.
 - Miami Erie Canal Built by the State of Ohio in 1820's.
 - 1906, Railroad built bridge over canal.
 - Rule of Causality - Railroad caused the bridge to be built so the railroad owns and maintains the bridge.

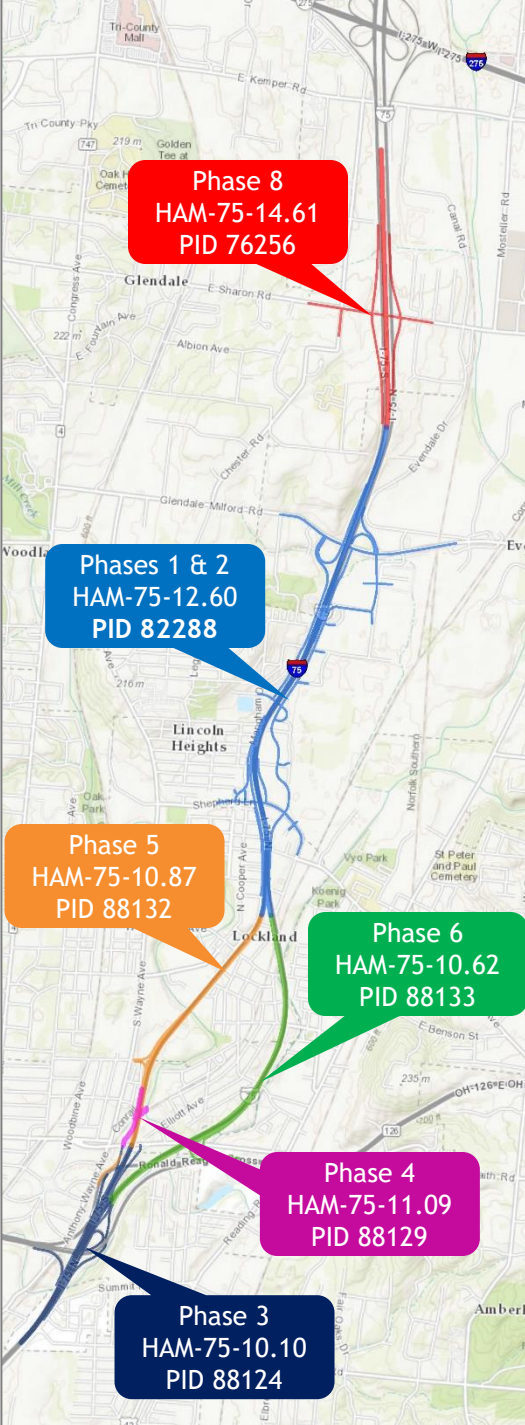


INDIVIDUAL PHASES

Phase 4 (Not funded for Construction)

- 1940's, canal drained and 4 lane SH987 built.



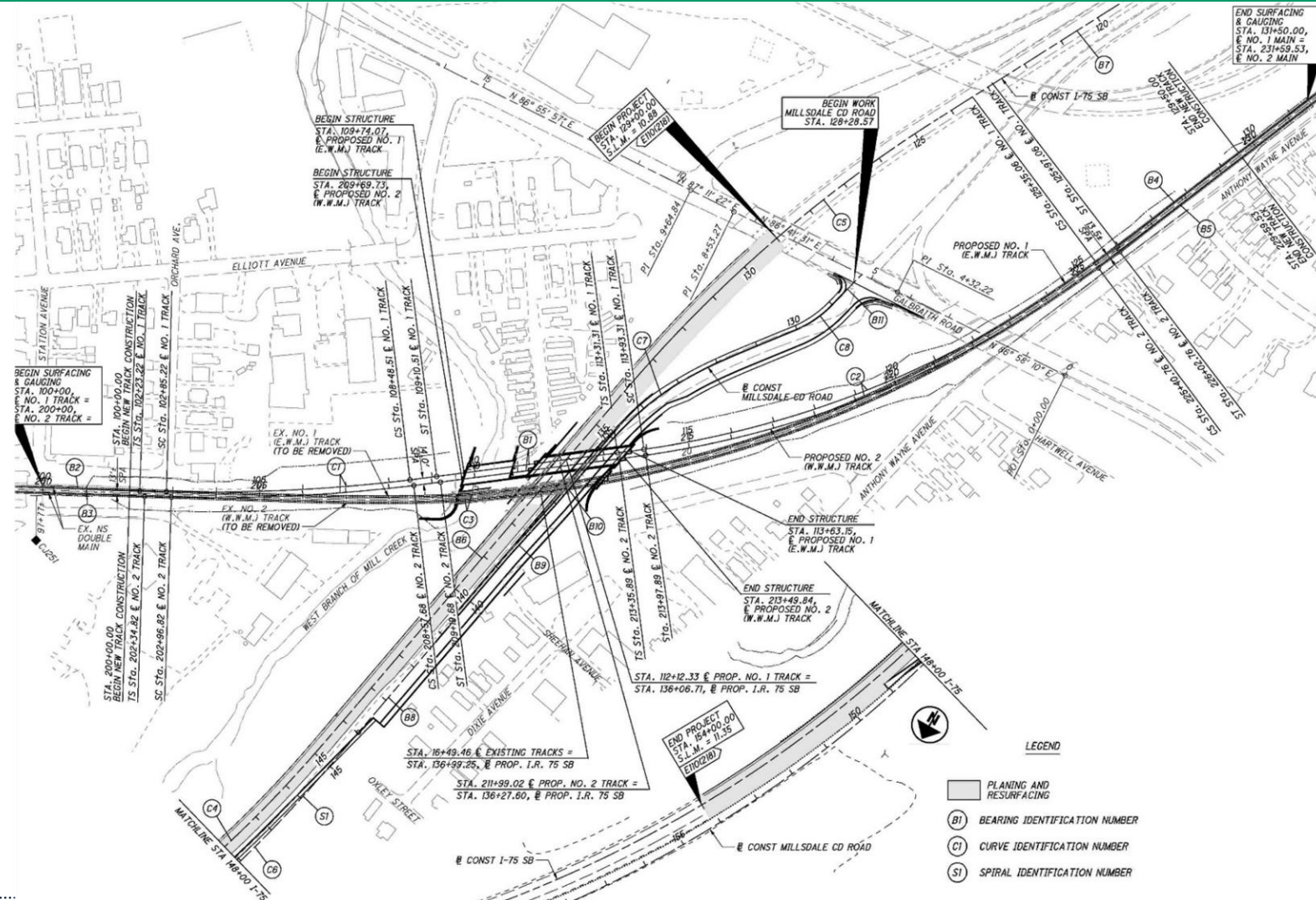
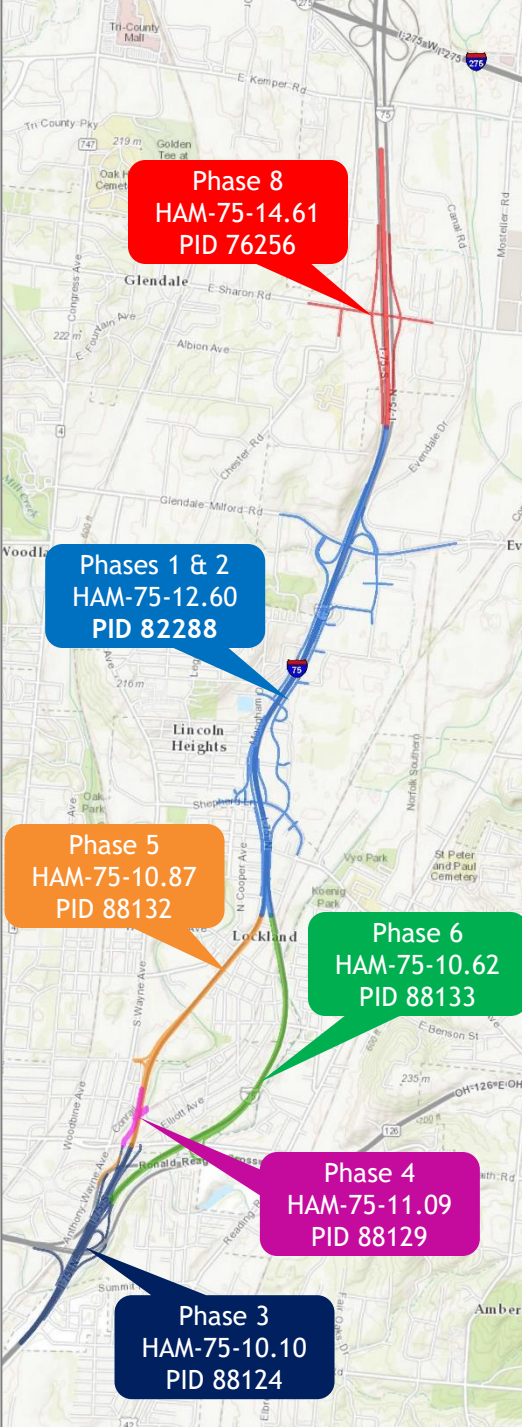


INDIVIDUAL PHASES

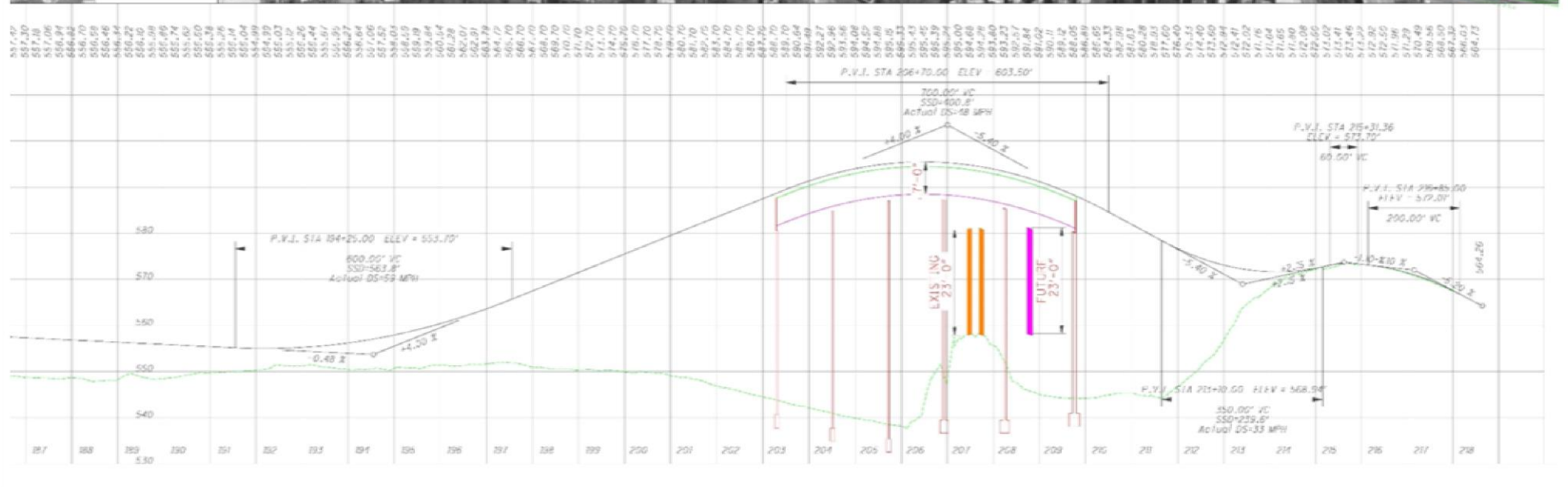
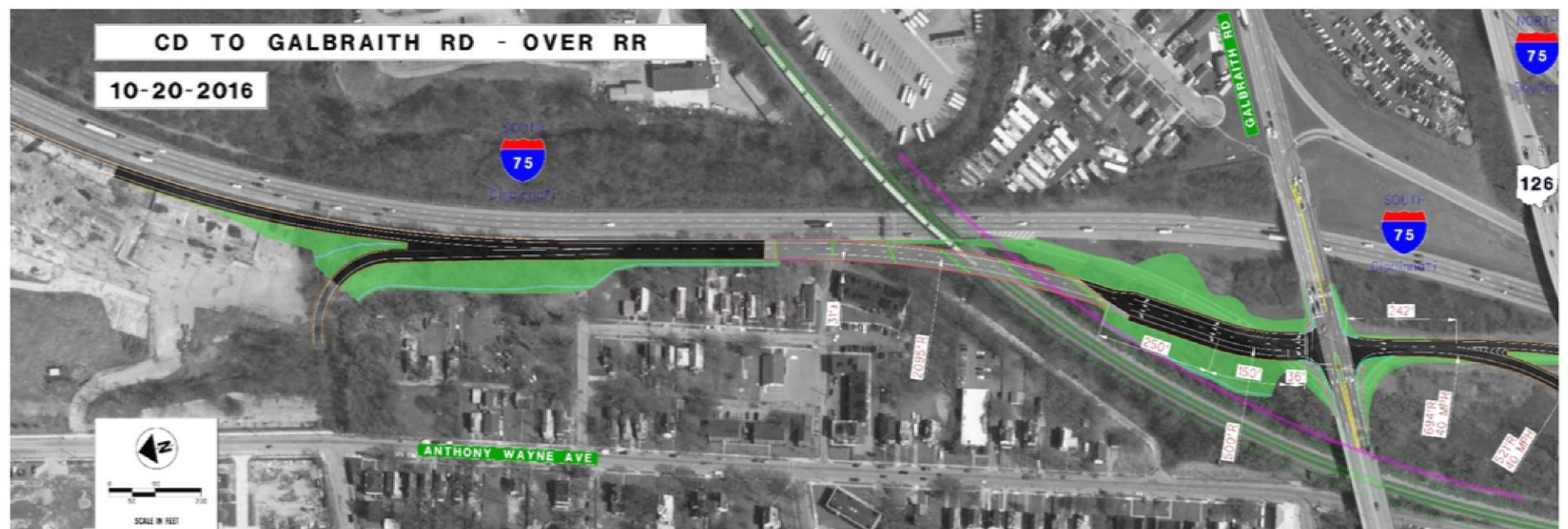
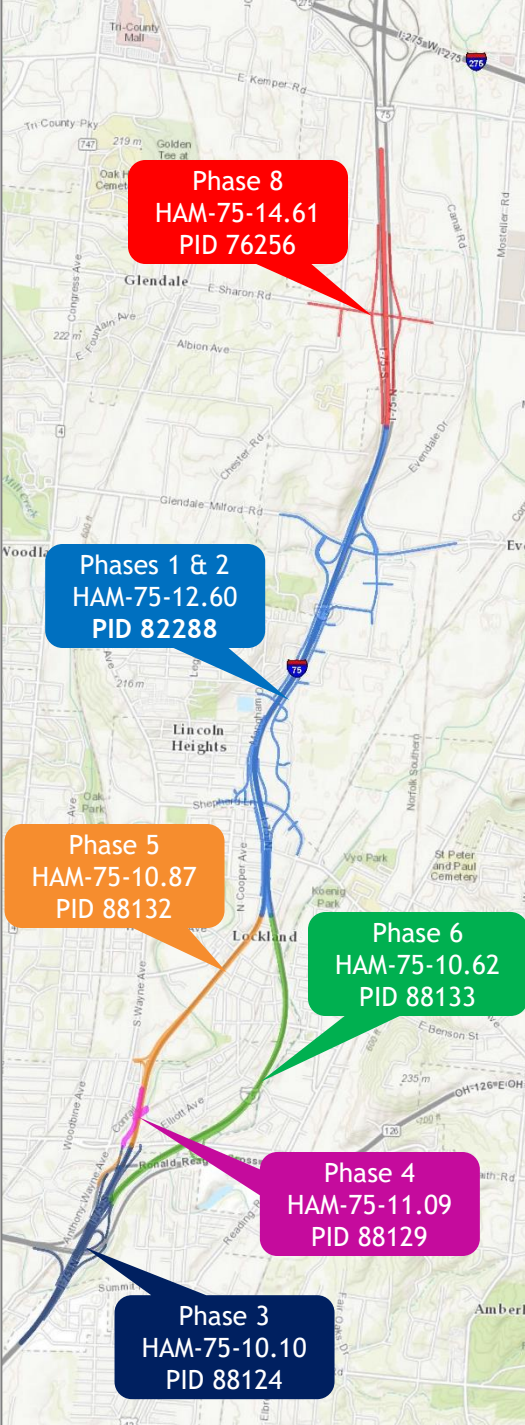
Phase 4 (Not funded for Construction)

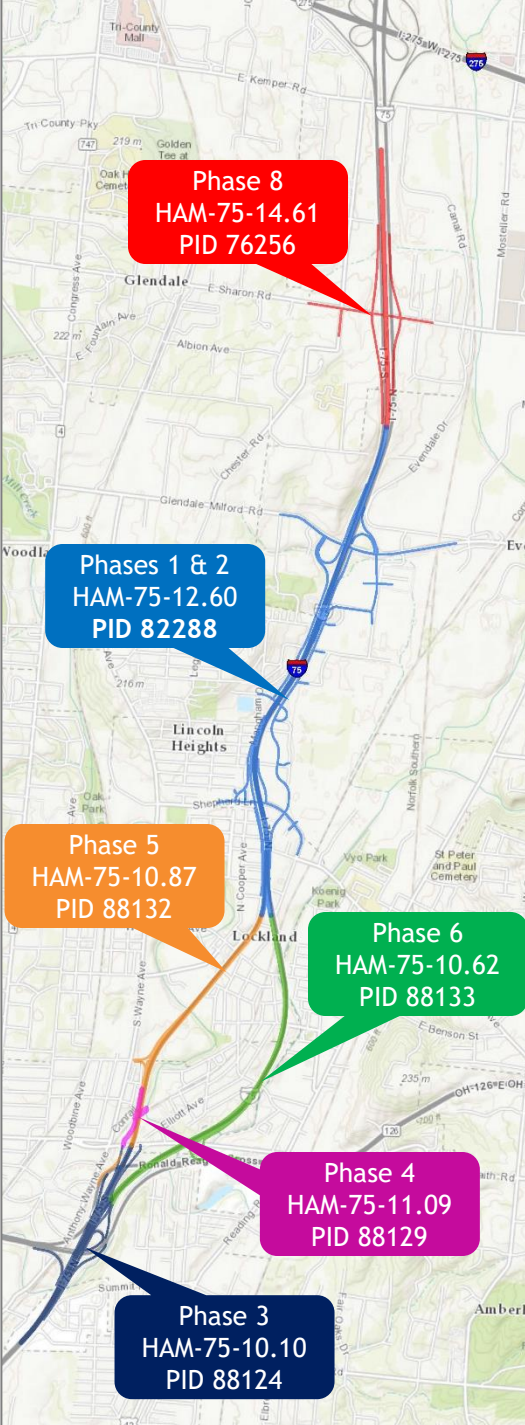
- 1960's Converted to SB 75. As seen today.
- Up until 2013, ODOT was sending monthly letters to railroad with structural concerns for years.
- Railroad claimed bridge was in satisfactory condition, and ODOT should pay for, maintain, and own the future bridge.
- Railroad performed repairs in 2013

INDIVIDUAL PHASES



TTV TRAFFIC ENGINEERING WORKSHOP UPDATE

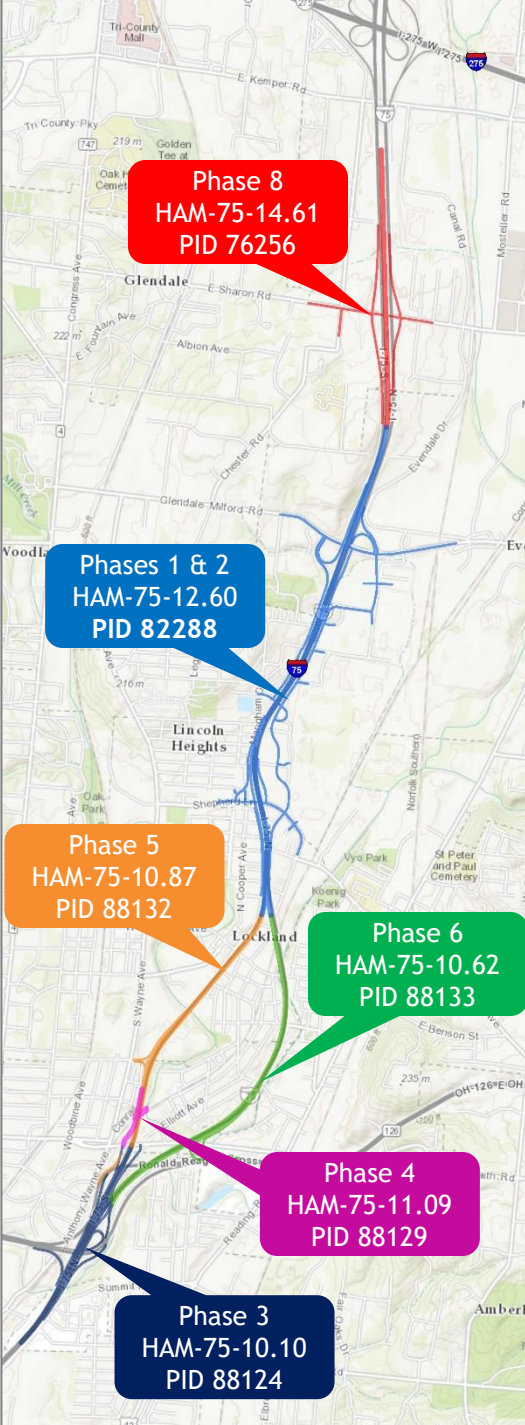




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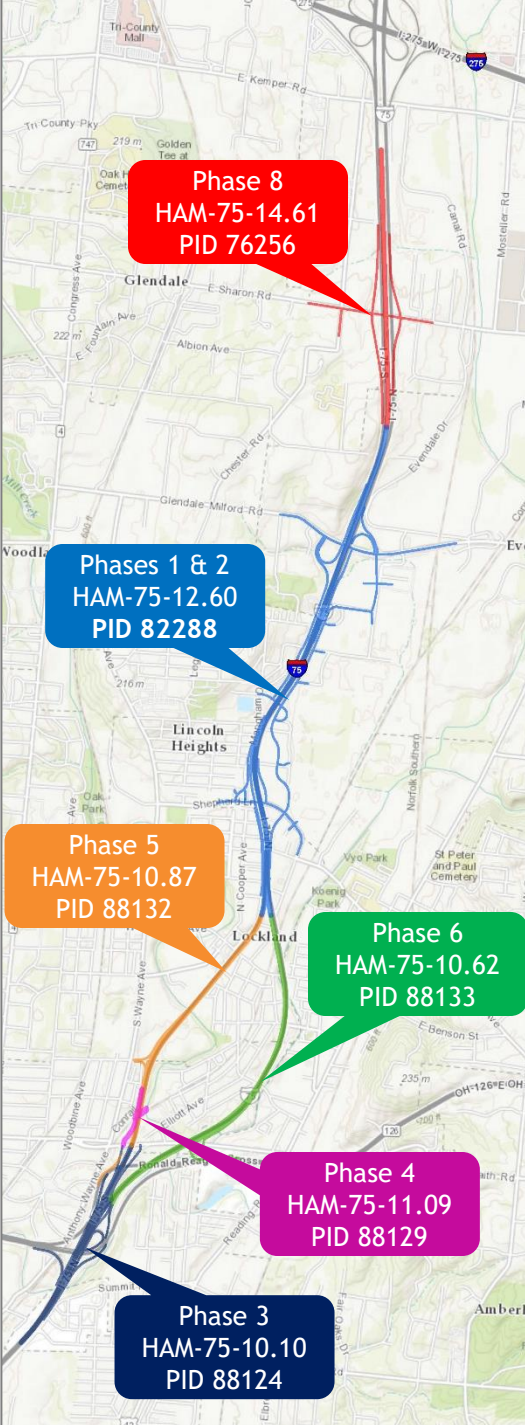
Phase 4 (Not funded for Construction)

- Reevaluated with an Alternative Technical Concept that resulted in the railroad taking over the ownership and maintenance of the bridges for a savings of \$16 M in future maintenance.
- Estimated Construction cost \$32M.



INDIVIDUAL PHASES

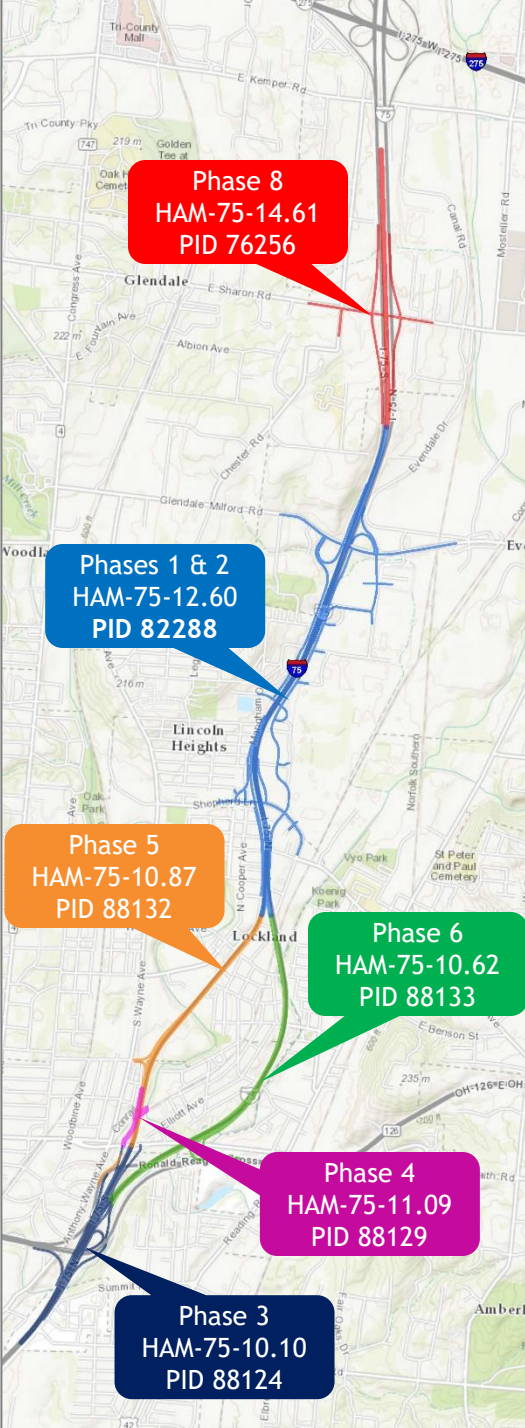
- Phase 5 (Not funded for Construction)
- Removes deficient on and off ramps to Cooper Ave.
- Adds connection to Milsdale St. and CD ramp to Galbraith Road.
- Adds a new connection from Galbraith to WB SR 126.
- Estimated Construction cost \$46M.

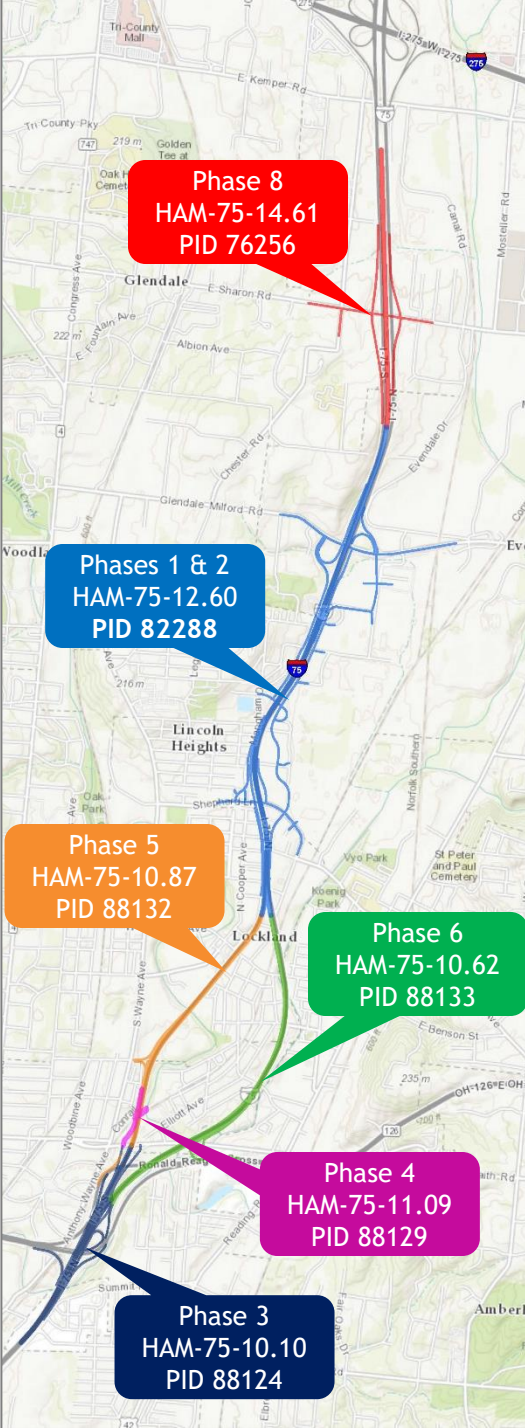


INDIVIDUAL PHASES

- Phase 6 (Not funded for Construction)
- Northbound 75 in the split.
- Traffic will be maintained with 3 lanes south and north in the southbound split.
- New connection of westbound SR126 to IR75 northbound.
- Loosing NB off ramp to Davis St.
- Construction Costs about \$139M
- RW Cost about \$40M

INDIVIDUAL PHASES





SUMMARY

- **Phase 1&2**
 - Construction till fall of 2020
- **Phase 3**
 - Construction from 2024 through 2026
- **Unfunded Phases in order of priority**
 - **Phase 8**, Sharon Road Interchange
 - **Phase 4**, Replace RR Bridge in SB IR 75
 - **Phase 5**, SB IR 75
 - **Phase 6**, NB IR 75