

Susan Fraser, P.E., CFM – Mobility35 Program Manager



Sept. 9, 2021

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About the Mobility35 Program



- Focus on Improvements to 79 miles of I-35 through Williamson, Travis and Hays counties.
- 100 Most Congested Roadways in Texas:
 - #1 I-35 from US 290 to SH 71.
 - #12 I-35 from SH 71 to Slaughter Lane.
 - #34 I-35 from RM 1431 to SH 45N/Louis Henna Boulevard.
 - #45 I-35 from Slaughter Lane to SH 45SE.
 - #70 I-35 from Parmer Lane to US 290E.
- 30+ projects in Mobility35 Program.
 - \$8 billion in construction costs for active or future projects.
 - 20+ contracts totaling ~\$90 million in environmental and design.

Mobility35 Goals and Objectives

- Enhance safety.
- Optimize the roadway footprint.
- Increase capacity.
- Minimize additional right of way.
- Manage traffic better.
- Improve east/west connectivity.
- Improve compatibility with neighborhoods.
- Enhance bicycle, pedestrian and transit options.



Northbound I-35 braided ramps completed at US 79



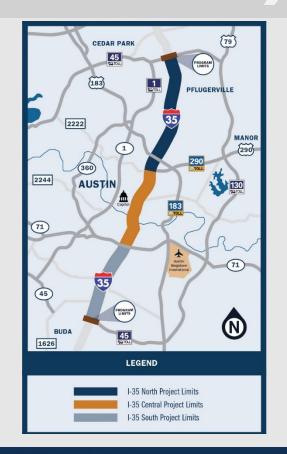
I-35 CAPITAL EXPRESS OVERVIEW

6

I-35 Capital Express Program

- Three stand-alone projects:
 - North SH 45 North to US 290 East.
 - Central US 290 East to SH 71/Ben White Boulevard.
 - South SH 71/Ben White Boulevard to SH 45 Southeast.
- Proposes to add non-tolled, highoccupancy vehicle (HOV) managed lanes.

https://my35capex.com/

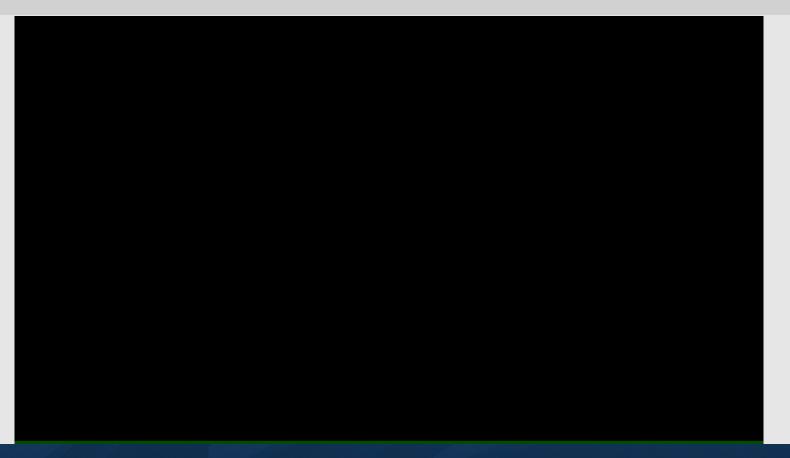




I-35 CAPITAL EXPRESS CENTRAL PROJECT

8

I-35 Capital Express Central Overview



Mobility Committee Presentation

I-35 Capital Express Central Project Scope

- Limits: US 290 East to SH 71/Ben White Boulevard, with additional flyovers at I-35 and US 290 East.
- Length: 8 miles.
- Project details:
 - Construct two non-tolled managed lanes in each direction.
 - Managed lanes, such as high-occupancy vehicle (HOV) lanes, are a set of lanes within a highway that are separated from the mainlanes. Access is controlled by placing restrictions on use.
 - Reconstruct ramps, bridges and intersections.
 - Improve frontage roads.

Mobility Committee Presentation

- Enhance bicycle and pedestrian paths.
- Accommodate transit routes.

Estimated construction cost: \$4.9 billion **Anticipated construction start**: 2025





Where We Are in the Process



TxDOT encourages feedback throughout the duration of the project. In addition to the official comment periods listed above, feedback may also be submitted via workshops, neighborhood meetings and stakeholder outreach. These events will take place throughout the process, and public comments submitted will be documented and incorporated as the project is developed.

I-35 is Outdated

Annual average daily traffic along I-35 from US 290 East to SH 71/Ben White Boulevard includes more than 200,000 vehicles. By 2045, it is expected to grow to more than 300,000 vehicles.

82% of vehicles on I-35 are LOCAL travelers 11% of vehicles on I-35 are THROUGH travelers



Through TRUCK traffic makes up approximately 7% of all traffic.

The CRASH RATE is above average for similar state roads



In 2019, there were 1,132 crashes in the project area resulting in 8 fatalities. Another 21 crashes were severe.

Source: TxDOT Statewide Traffic Crash Rates for Urban Interstates 2013, 2014, 2015, 2016, 2017, 2018 and 2019. Data for the I-35 Central project from TxDOT (2020).

The Problem We're Trying to Solve

PURPOSE

The purpose of the proposed project is to improve this critical local, regional, national and international thoroughfare by:

- Enhancing safety within the corridor.
- Addressing demand by prioritizing the movement of people, goods and services through and across the corridor.
- Improving operational efficiency.
- Creating a more dependable and consistent route for the traveling public, including bicyclists, pedestrians, emergency responders and transit.

NEED

I-35 between US 290 East and US 290 West/SH 71 does not:

- Adequately accommodate current and future travel demand.
- Meet current federal and state design standards.

This has resulted in safety and operational deficiencies, which can impact:

- Crash rates along the corridor.
- Peak period travel times for all users, including emergency response vehicles and transit.



Congestion along I-35 through Central Austin.

Capital Express Central Project Outreach

28 MEETINGS

With community members and leaders

51 MEETINGS

Agency coordination meetings and workshops



50+ ORGANIZATIONS

Represented in public meetings

8300 PARTICIPANTS

In virtual and in-person meetings



Engagement included:

- Business and property owners
- Community members
- Elected officials
- Neighborhood associations
- Nonprofit organizations
- Professional organizations
- Public agencies

Who are we missing for outreach?

We're Listening

Comment Themes from Virtual Scoping Meeting #1 and #2 3,700+ public and agency comments received

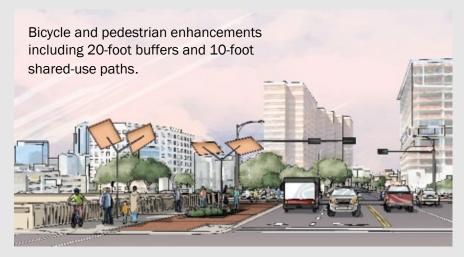


How We're Responding

WE ARE PROPOSING

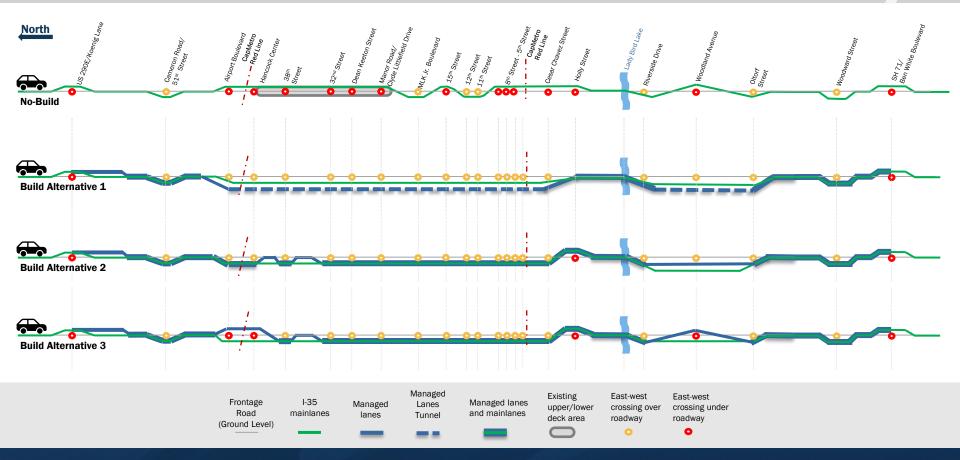
- Lowered travel lanes.
- More than 15 widened east-west crossings, including a new connection at 5th Street for all users; and new pedestrian crossings at the Cap Metro Red Line/Future Gold Line south of Airport Boulevard, and between 51st Street and US 290 E.
- Low design speeds on frontage roads.
- Enhanced person-carrying capacity along the corridor by providing a reliable route for transit in managed lanes.

AND...



TxDOT will also be evaluating frontage road relocation concepts and will present findings at an upcoming community meeting.

Alternatives: Side-View Elevation Looking East



Mobility Committee Presentation

Alternatives Evaluation Criteria

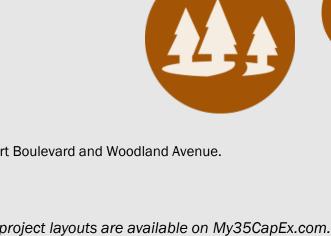
Criteria Categories

- Purpose and Need.
- Feasibility, Design, and Engineering.
- Environmental Resources.
- Deck Plaza Local Enhancements.
- Preliminary Project Costs.

Alternatives Evaluated

- No Build.
- Build Alternative 1 Managed Lanes Tunnel Section.
- Build Alternative 2 Managed Lanes Lowered Section.
- Build Alternative 3 Managed Lanes Lowered Section, Modified at Airport Boulevard and Woodland Avenue.

The alternatives evaluation results, technical report and project layouts are available on My35CapEx.com.





Alternatives Evaluation Results

Alternatives that Best Meet the Purpose and Need							
Criterion	No Build	Alternative 1	Alternative 2	Alternative 3			
Improves Emergency Response Time	N/A	Medium Improvement	High Improvement	High Improvement			
Ability to Provide Emergency Egress Requirements	N/A	Low Ability	High Ability	High Ability			
Alternatives that Best Meet Feasibility, Design, and Engineering Criteria							
Criterion	No Build	Alternative 1	Alternative 2	Alternative 3			
Constructability Risk	N/A	High Risk	Medium Risk	Medium Risk			
Utility Conflicts	N/A	High Conflict	Medium Conflict	Medium Conflict			
Drainage Infrastructure Complexity	N/A	High Complexity	Medium-High Complexity	Medium Complexity			
Alternatives that Best Meet Cost Considerations							
Criterion	No Build	Alternative 1	Alternative 2	Alternative 3			
Minimize Construction Cost	N/A	\$8.08 billion	\$3.92 billion	\$3.94 billion			
Minimize Operation and Maintenance Cost	\$1.7 million/year	\$14.4 million/year	\$2.2 million/year	\$2.2 million/year			

Central - Environmental Constraints

- Project considerations & constraints:
 - Land use.
 - Utilities.
 - Park land.
 - Future development.
 - University of Texas.
 - Hospital/Medical facilities.
 - Cemeteries.





<u>Community Enhanced Alternatives 2 and 3 will be evaluated further in the Draft Environmental</u> <u>Impact Statement</u>. Alternative 1 will not be carried forward for further analysis in the Draft Environmental Impact Statement.



Alternatives 2 and 3 will be carried forward based on:

- Faster response times for EMS, police, fire department and hospitals
- Shorter construction duration by 1.5 years
- Improved traffic operations during construction with fewer lane closures
- Fewer utility conflicts and lower relocation costs
- Fewer drainage conflicts
- Lower construction costs
- · Lower annual and lifetime maintenance requirements and cost

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Central – Alternative #2



Image of proposed improvements to I-35 between 11th Street and 4th Street

Central – Alternative #3

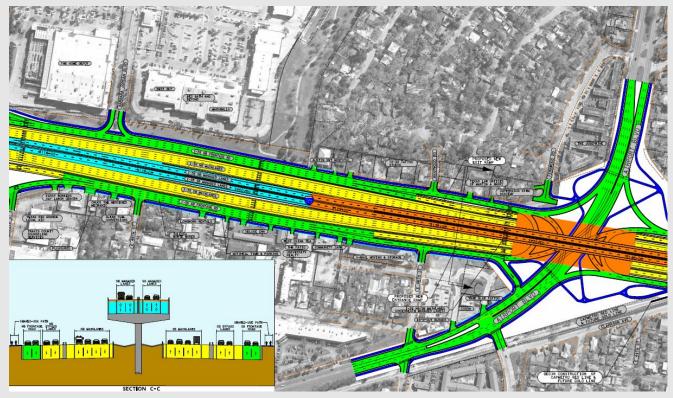
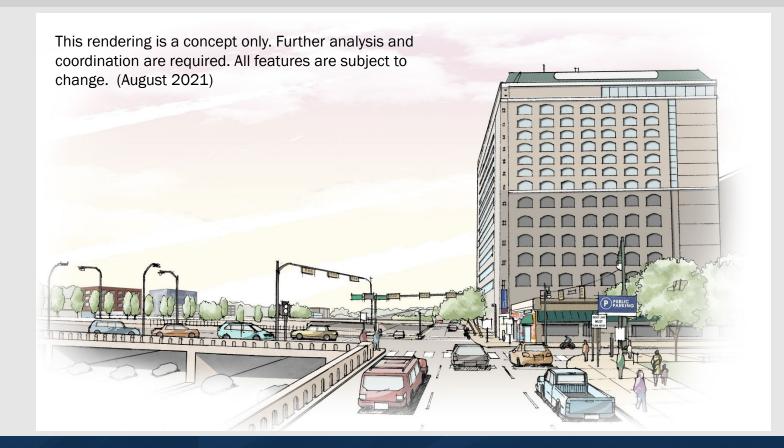


Image of proposed improvements to I-35 at Airport Boulevard

Envision I-35 at 6th Street (all build alternatives)



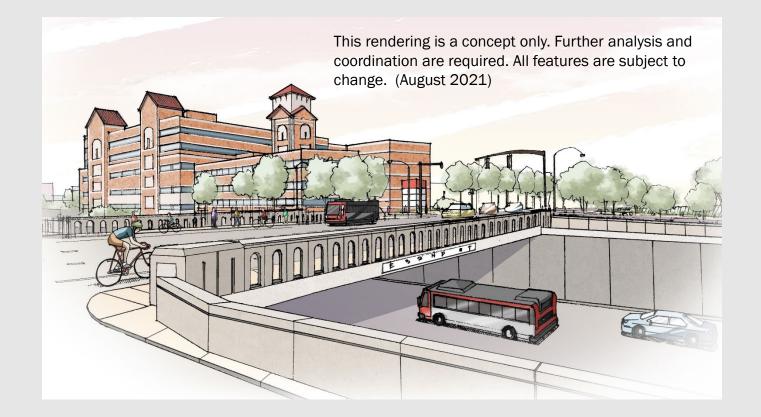
Envision I-35 at 8th Street (all build alternatives)



This rendering is a concept only. Further analysis and coordination are required. All features are subject to change. (August 2021)

Envision I-35 at 32nd Street (all build alternatives)





Envision I-35 at Lady Bird Lake (all build alternatives)



Mobility Committee Presentation

Envision I-35 at Airport Boulevard (Build Alternatives 2 and 3)







Proposed: Alternatives 2 and 3 (top to bottom)

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Current

Envision I-35 at 4th Street (Build Alternatives 2 and 3)



Current

Proposed: Alternatives 2 and 3

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Envision I-35 at Woodland Avenue (Build Alternatives 2 and 3)





Proposed: Alternatives 2 and 3 (left to right)

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How to Provide Feedback/Ask Questions



Comments must be submitted by **Friday**, **Sept. 24**, **2021**, to be included in the official record.

For general questions about the project, please contact: Michelle Cooper, P.E. <u>Michelle.Cooper@TxDOT.gov</u> (512) 832-7357

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My35CapEx.com



I-35 CAPITAL EXPRESS NORTH PROJECT

I-35 Capital Express North

- Limits: SH 45 North to US 290 East
- Length: 11.5 miles
- Project Details:
 - Constructing one managed lane in each direction.
 - Reconstructing bridges.
 - Adding a diverging diamond intersection at Wells Branch Parkway.
 - Adding three miles of intersection bypass lanes.
 - Improving bicycle and pedestrian paths.
- Estimated construction cost: \$385 million
- Anticipated construction start: 2022



I-35 Capital Express North – Yager Lane/Tech Ridge Boulevard



Image of bypass lane over Yager Lane/Tech Ridge Boulevard



Estimated Total Project Cost

Approximately \$385 million



I-35 CAPITAL EXPRESS SOUTH PROJECT

I-35 Capital Express South

- Limits: SH 71/Ben White Boulevard to SH 45 Southeast
- Length: 8 miles
- Project details:
 - Constructing two managed lanes in each direction.
 - Elevating the managed lanes between Stassney Lane and Slaughter Lane in the existing I-35 median.
 - Constructing a southbound I-35 intersection bypass lane at Stassney Lane and William Cannon Drive.
 - Adding 2.5 miles of extended entrance and exit ramps.
 - Constructing braided northbound entrance and exit ramps at Slaughter Lane.
 - Widening the northbound and southbound I-35 frontage roads to three lanes south of Slaughter Lane.
 - Improving bicycle and pedestrian accommodations along I-35 frontage roads and at east/west crossings.
- Estimated construction cost: \$315 million
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I-35 Capital Express South – Elevated Managed Lanes



Image of proposed managed lanes between SH 71/Ben White Boulevard and Stassney Lane

Next Steps



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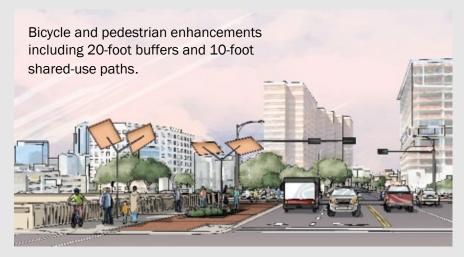


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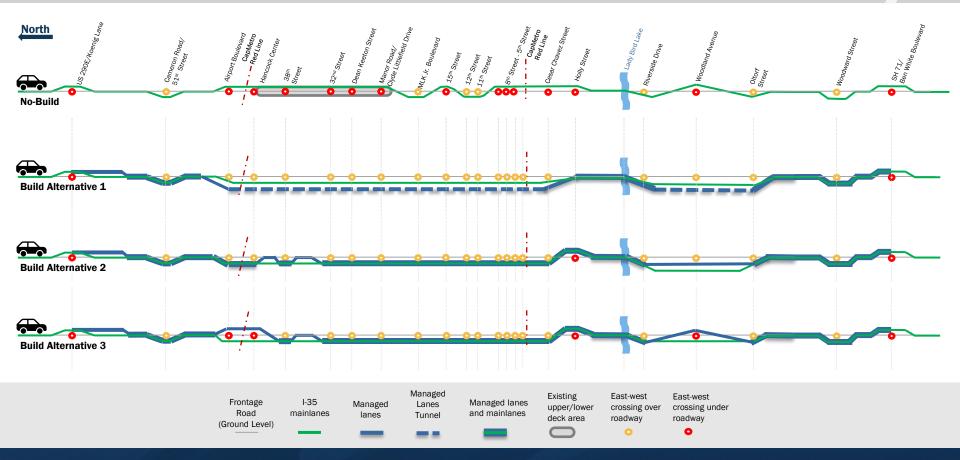
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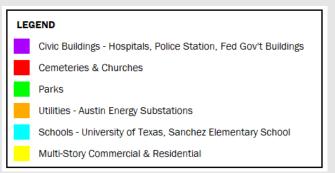


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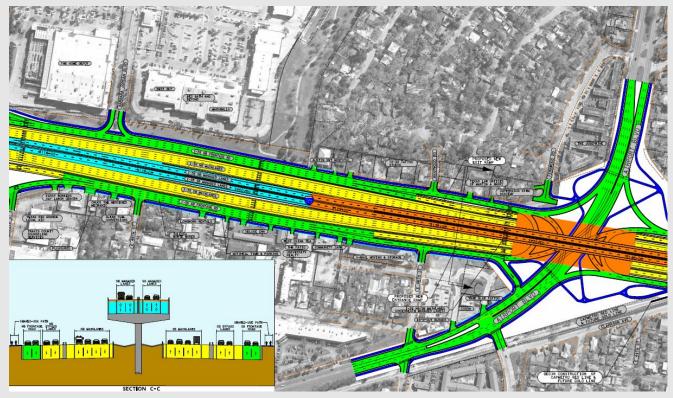
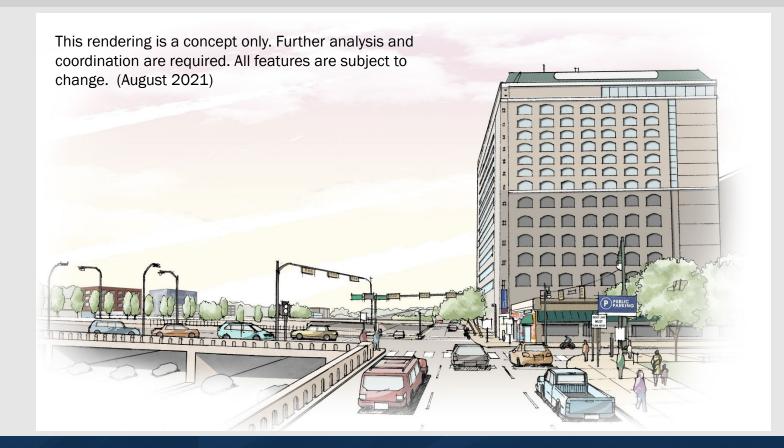


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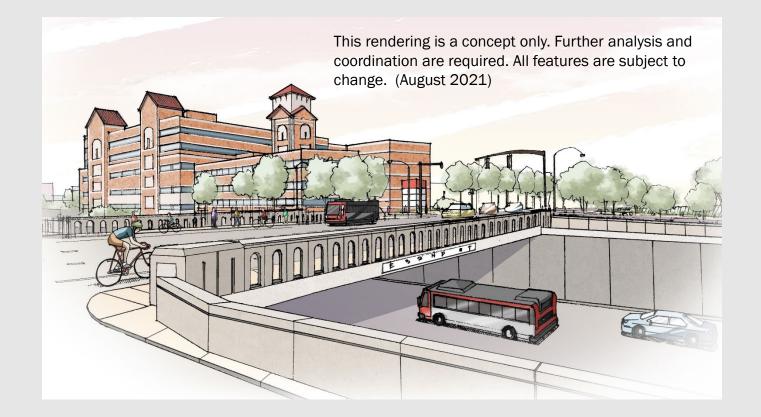
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Mobility Committee Presentation

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