

I-35 Capital Express Central Project

Drainage Tunnel and Pump Station Fact Sheet

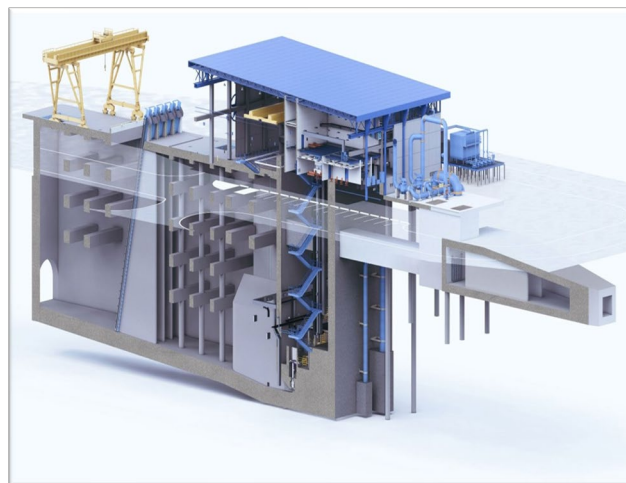


The Drainage Tunnel and Pump Station segment of the I-35 Capital Express Central project will enhance water treatment in Austin. Much of the city's watershed was developed in the 1950's and 1960's with minimal requirements for water quality, leaving many areas without sufficient water treatment. This segment will collect, move and treat water to accommodate lowered I-35 mainlanes, while benefiting the greater community.

About the Project

Drainage tunnels will be constructed between Airport Boulevard and Holly Street; and along Cesar Chavez Street, from I-35 to US 183. Access shafts will also be added along I-35 to ensure proper maintenance and operational access to the new infrastructure. The project will also include the construction of a pump station to improve stormwater management along the corridor. Some project features include:

- Tunnel
 - Length: approximately 6.5 miles.
 - Depth: 70 to 200 feet.
 - Diameter: 22-foot diameter tunnels.
 - Access shafts.
- Pump Station
 - Capacity to move approximately 130,000 gallons of water per minute.
 - Large mechanical trash screen.



Benefits of the Drainage Tunnel and Pump Station project include:

- The pump station will remove trash and some sediment to improve water quality.
- The tunnel will improve water quality in the Waller Creek tunnel.
- Will provide 350 acres of reduced floodplain east of I-35.
- Will reduce more than 178 acres of runoff currently flowing into the Waller Creek watershed and ease capacity constraints on the Waller Creek tunnel.

Details

Construction is funded by TxDOT and the Capital Area Metropolitan Planning Organization (CAMPO). Anticipated construction start is mid-2025.

Contact Information

North Travis Area Office
Scott Serafin, P.E.: (512) 997-2226
1001 East Parmer Lane, STE B, Austin, Texas, 78753

Media Inquiries

Austin District Office
Jeffery Barker: (512) 870-7585
7901 North I-35, Austin, Texas, 78753

I-35 Capital Express Central Project

Vibration Monitoring Fact Sheet



As part of the Drainage Tunnel segment, TxDOT will be excavating drop shafts between 70 and 200 feet deep. This process may cause vibrations that could be felt in nearby properties and structures.

The drop shafts will be located along I-35 at: Airport Boulevard, Hancock Center (41st Street), Edgewood Avenue, 15th Street, 11th Street, Brushy Street and River Street; and at the US 183 and Cesar Chavez Street interchange.

Vibration Monitoring Survey - Quick Facts

- **Will I feel these vibrations?**
 - It is likely that you will feel some level of vibration, which would be similar to the sensation of a truck passing by or a washing machine in use. The intensity of the vibrations will depend on your distance from the activities.
- **How long will vibrations from the construction last?**
 - The duration of vibrations will depend on the phase of construction and depth of the drop-shaft near your property. Activities that cause vibrations may last several months.
- **How do we measure vibrations?**
 - We use Peak Particle Velocity (PPV), measured in inches per second (in/sec), to track how fast the ground is moving due to vibrations.
- **What steps is TxDOT taking to monitor vibration impacts during construction?**
 - TxDOT will provide ongoing monitoring during construction activities, including the use of vibration monitors, seismic equipment, and regular inspections to ensure vibration measurements do not reach unsafe levels. If this occurs, TxDOT will halt activities until mitigation measures can be implemented.
- **How will I know if my property is being affected?**
 - If a survey is not offered, your property is outside of the vibration impact zone. If you notice cracks in your walls or ceiling, doors or windows that suddenly don't close properly, or rattling fixtures, you may be experiencing vibration effects.
- **What happens if my property is damaged?**
 - If a pre-construction survey was done at your home, we can compare the findings after construction. If new damage is identified:
 - The data is analyzed to determine if construction was the cause.
 - If construction is responsible, claims can be filed for repairs.
- **What should I do if I feel vibrations in my home?**
 - Observe and document changes.
 - Contact TxDOT (capexcentral@txdot.gov or 512-366-3229) to request an inspection.

Contact Information

North Travis Area Office
Scott Serafin, P.E.: (512) 997-2226
1001 East Parmer Lane, STE B, Austin, Texas, 78753

Media Inquiries

Austin District Office
Jeffery Barker: (512) 870-7585
7901 North I-35, Austin, Texas, 78753