



Oak Hill Parkway

A Project 30+ Years in the Making

**Stakeholder Meeting with
Granada Hills HOA**

Via Microsoft Teams
June 6, 2022





**GENERAL ENGINEERING
CONSULTANT**

ATKINS

Member of the SNC-Lavalin Group



- **Construction Updates**
- **Upcoming Access Changes**
- **Roadway Recycling & Concrete Production Area**
- **Q&A**

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feature or the chat box
feature to add your
comments and questions

**We ask that you hold all questions until the Q&A
portion at the end of the presentation.**



Construction Updates



Rock Trencher



Rock Milling Machine



Water line installation along US 290 near El Rey Boulevard



Culvert construction under US 290 near Circle Drive



**Utility work for the new
Candelaria Drive connection**



**Paving operations for the new
Candelaria Drive connection**



- **CRC crews are finishing construction on the cast-in-place wall to the east of El Rey Boulevard.**
- **After this wall is completed, crews will finish the section of eastbound US 290 frontage road in this location.**





Upcoming Access Changes



TEMPORARY US 290 ACCESS FOR ASCENSION SETON SOUTHWEST HOSPITAL VIA EL REY BOULEVARD

**Tentatively
scheduled
as early as
September
2022**





Roadway Recycling & Concrete Production

- **Wet batch concrete** and **cement-treated base (CTB)** are required to build the new Oak Hill Parkway mainlanes along US 290 and SH 71.
- CRC will operate their own temporary wet batch concrete plant and pugmill to produce these necessary materials.
- TCEQ has approved all required permits for CRC to operate these two plants inside TxDOT right of way on US 290.



A CRC worker pours concrete during construction of the new US 290 bridge over Old Fredericksburg Road.

Pugmill Operations for Roadway Recycling



Materials from the existing US 290 and SH 71 roadways will be recycled and processed through the pugmill to produce cement-treated base (CTB).



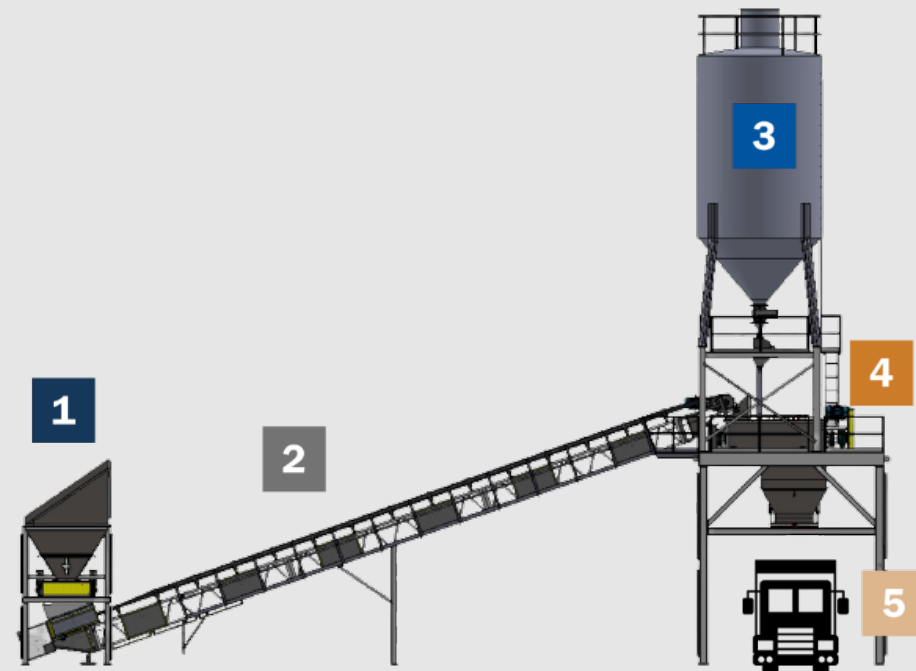
1 Recycled rock base and asphalt materials are placed into feeder bins for processing.

2 The crushed rock base and asphalt materials are transferred to conveyor belts to be fed into the mixing unit box.

3 Cement is stored in the contained silo for combination with the crushed materials. The silo is loaded through an enclosed, air-pressurized vacuum system to limit dust.

4 Cement and water are combined with the crushed materials. The mixing unit box is enclosed, which reduces noise and dust.

5 The newly recycled CTB product is loaded into trucks for use on the new Oak Hill Parkway US 290 and SH 71 mainlanes.





An excavator loads a haul truck filled with crushed rock removed from areas along US 290.

Use of recycled material increases sustainability by:

- Diverting waste from landfills.
- Conserving virgin materials.

Operating a roadway recycling area with on-site crushing reduces the number and distance of truck trips on public roadways.

- Reducing truck trips reduces air emissions.
- Reducing truck trips increases roadway safety.

Temporary Wet Batch Plant Operations for Concrete Production



1

During operations, sand and rock are loaded onto conveyor belts which go into the central mixing unit drum.

2

A dust collector over the conveyor belts is designed to capture most of the dust generated from the plant.

3

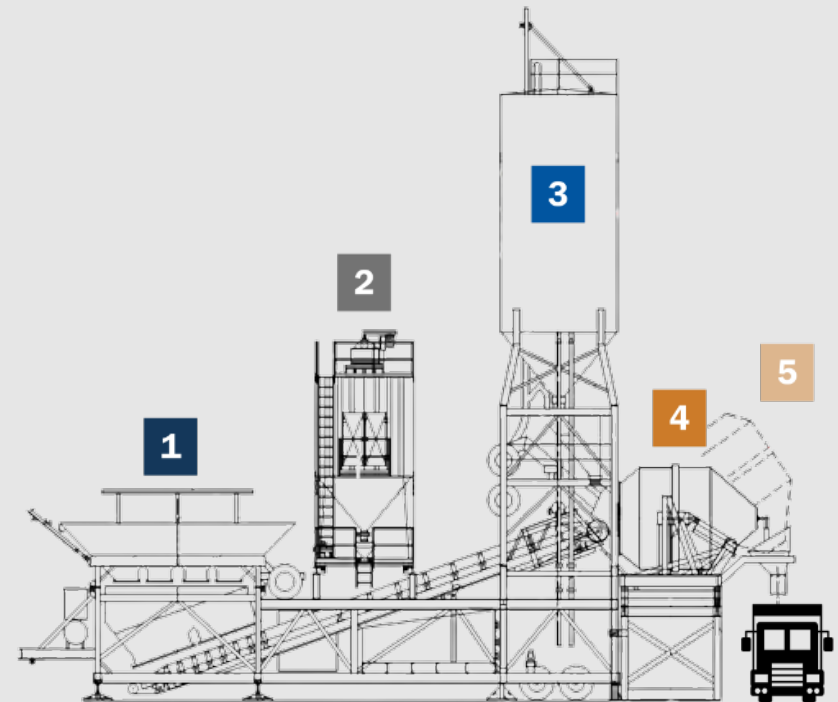
Cement, the active ingredient in concrete mix, is stored in a contained silo. The silo is loaded through an enclosed, air-pressurized vacuum system to limit dust.

4

The central mixing unit drum is where concrete ingredients are mixed with water. It is completely enclosed, which helps reduce noise and dust.

5

After 90 seconds of mixing, the drum is raised vertically and wet concrete is placed into trucks for use on US 290 and SH 71.



- Concrete placement is a time-sensitive activity, and CRC needs a plant close by in order to meet TxDOT concrete quality standards.
- There are no wet batch concrete plants within 15 miles of the project area, which is why CRC must build their own plant.
- Most of the concrete paving required for the project will take place along US 290 west of the Y interchange.



Oak Hill Parkway inspectors for CRC's Independent Quality Firm test concrete quality before every placement, ensuring TxDOT requirements are met.

Roadway Recycling & Concrete Production Area Location



Legend



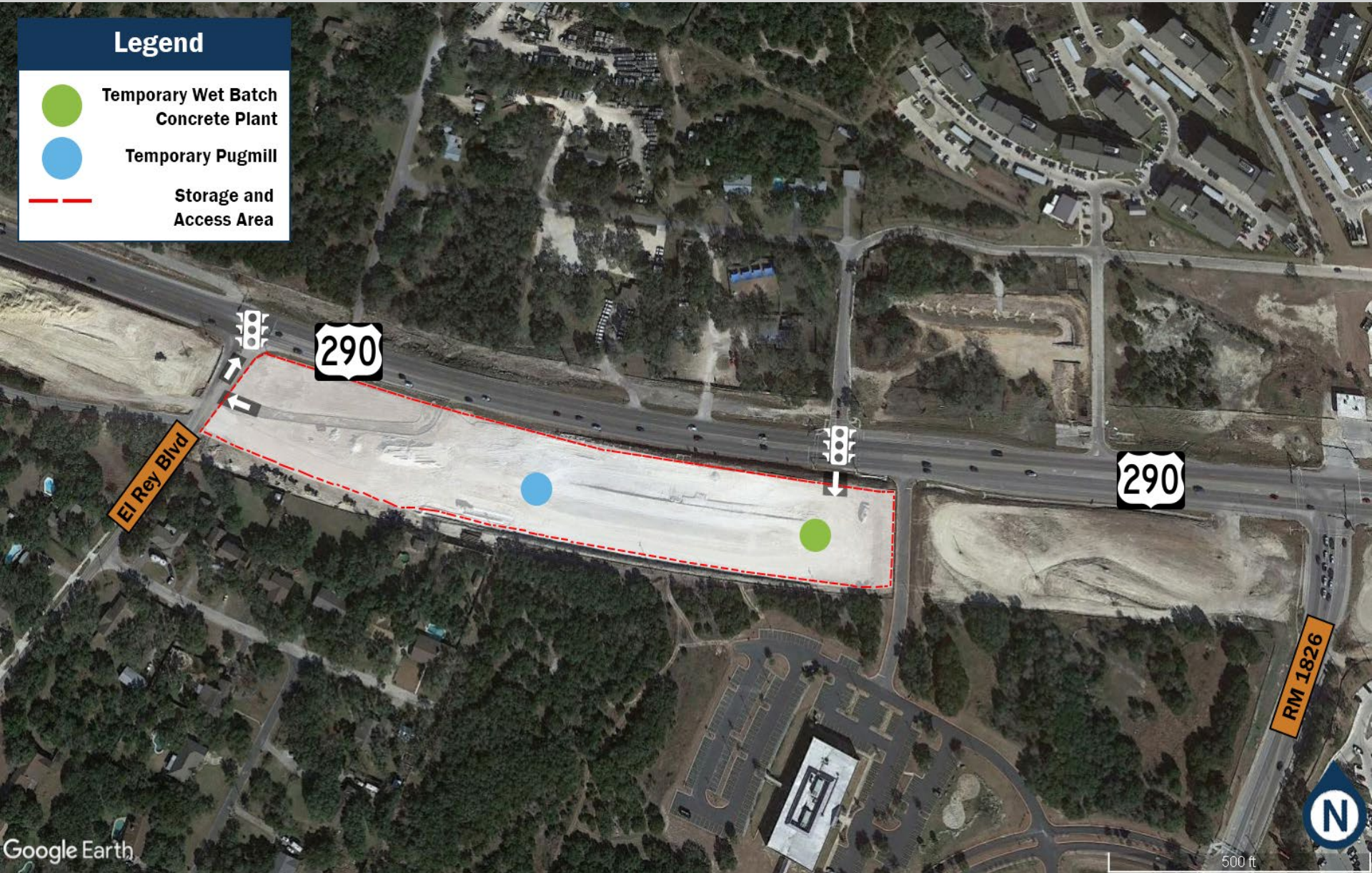
Temporary Wet Batch
Concrete Plant



Temporary Pugmill



Storage and
Access Area



Google Earth

- Provides safe access for trucks with two nearby traffic signals.
- Requires no additional tree clearing.
- Available for immediate use with no utility conflicts.
- Meets TCEQ permit requirements for minimum distances to nearby properties.
- Enables operations to stay in one location until project completion.



Looking East from El Rey Boulevard Along US 290



- Construction operations required for Oak Hill Parkway will take place during the day, at night and on the weekends, which includes use of the temporary wet batch concrete plant and pugmill.
 - Noise and lighting levels will not exceed the levels of regular construction activities along US 290.
 - Barriers and fencing will be put up along existing US 290 and the future US 290 frontage roads to reduce visual impacts.
- Once US 290 traffic is moved to the new frontage roads, wet concrete haul trucks will travel within the protected construction zone in order to place concrete along the new US 290 mainlanes.
 - This will result in fewer interactions with the general public during paving operations, increasing safety for both cars and trucks.
- CRC will follow TCEQ air emissions permit requirements which comply with EPA standards that protect the health of people who live and work nearby.

CRC will mitigate the most common types of dust emissions during construction, which include operations at the Roadway Recycling & Concrete Production Area:

Cause of Dust Emissions		CRC Mitigation Method
Trucks kicking up dust driving on site	→	Regular watering of active construction areas
Loading of aggregates onto conveyor belts	→	Use of dust collector over conveyor belts
Transfer of cement/materials to silos	→	Use enclosed, air-pressurized loading system
Loading of dry concrete in mixing trucks	→	Produce wet batch instead of dry batch mix
Dust blowing from sand/rock material piles	→	Implement continuous watering system

CRC will install electrical service in order to power both plants.

This will eliminate the need for diesel generators, further reducing emissions.



Temporary Wet Batch Concrete Plant

Pugmill

- Delivery: June 2022
- Start of Operations: July 2022

Temporary Wet Batch Concrete Plant

- Delivery: October 2022
- Start of Operations: November 2022

Both will remain in operation until Oak Hill Parkway opens to traffic in 2026.

They will be removed from the area when construction is complete.



Williamson Creek

CRC has a zero-tolerance policy for environmental infractions.

- All employees go through mandatory environmental training and are expected to follow TCEQ regulatory requirements concerning particulate matter emissions for temporary wet batch concrete plant and pugmill operations.
- CRC will also implement water quality Best Management Practices to meet TCEQ storm water discharge requirements that protect the Edwards Aquifer.
- CRC employs a full-time environmental manager and staff who will ensure the temporary wet batch concrete plant and pugmill always remain in compliance.

TxDOT monitors and field verifies that CRC remains in compliance.



Questions?



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