

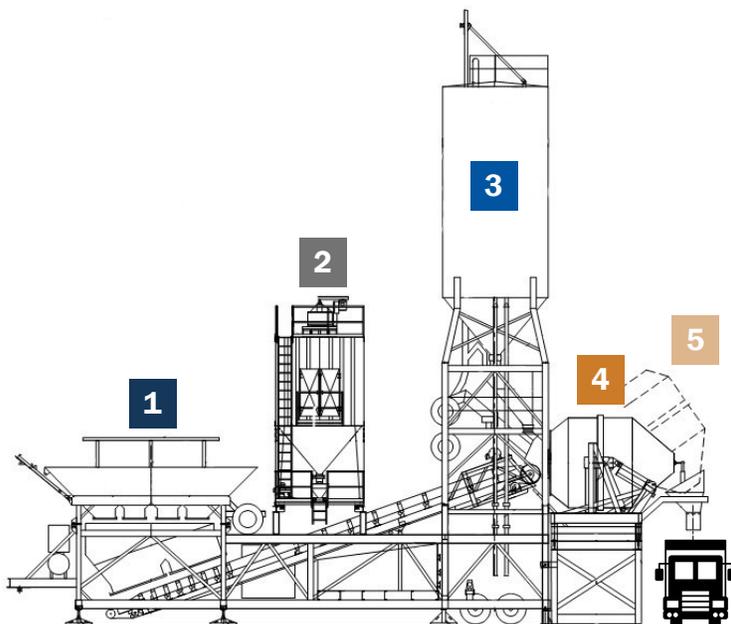
In order to construct Oak Hill Parkway on time, on budget and to the highest quality standards, TxDOT's design-build contractor Colorado River Constructors (CRC) will operate a temporary wet batch concrete plant in TxDOT right of way along US 290 in Oak Hill.



Pictured above is a temporary wet batch concrete plant.

- ▶ Wet batch concrete is required to build Oak Hill Parkway. There are no plants within fifteen miles configured to produce that type of product, which is why CRC needs to build their own plant.
- ▶ CRC expects the temporary wet concrete batch plant to be delivered to the project area sometime in 2022, although it may not be immediately placed into operation. It will be removed once the project is completed.
- ▶ CRC has not determined a final location and will be basing that decision on construction needs and project progress. The plant might also be moved to several different locations as phases of work are completed.
- ▶ The planned output of the temporary wet batch concrete plant qualifies it for TCEQ's Standard Permit, which has no distance requirement from nearby homes. However, emissions will comply with EPA standards that protect the health of people who live and work nearby.
- ▶ 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. Noise from the plant will only be periodic, not continuous.

How does a temporary wet batch concrete plant work?



Size of Plant = 1/3 acre

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 will be loaded through an enclosed, air-pressurized vacuum system to minimize dust.

4

The central mixing unit drum is where concrete ingredients are mixed with water. It is completely enclosed and measures are in place to reduce noise and limit dust.

5

After about 90 seconds of mixing, the drum is raised vertically and the wet concrete is placed into trucks underneath.

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Project Hotline: 512-342-3344

CRC has a zero-tolerance policy for environmental infractions.

All employees go through mandatory environmental training and are expected to strictly follow permitting and regulatory requirements for temporary wet batch concrete plant operations.

CRC will also implement water quality Best Management Practices to meet TCEQ stormwater discharge requirements that protect the Edwards Aquifer, including installation of perimeter controls around the temporary plant site.

CRC will employ a full-time environmental manager who will ensure the temporary wet batch concrete plant is always in compliance.

TxDOT monitors and field verifies that CRC remains in compliance.

Air Quality & Dust Emissions

CRC will mitigate the most common types of dust emissions during construction, which includes operations at the temporary wet batch concrete plant:

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

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