

# Environmental Protections during Construction

## Dust Mitigation

During construction, crews reduce dust using the following methods:

- Water trucks will spray unpaved roads and exposed dirt surfaces
- Covering, wetting or compacting disturbed soil
- Adding a stabilization compound to the haul routes within construction limits
- Providing stabilized exits for construction vehicles to prevent tracking dirt onto public streets
- Using vacuum powered street sweepers
- Covering all dump trucks leaving the work zone to prevent dust and debris from blowing
- Minimizing disturbed areas
- Avoiding excavation work if wind speeds exceed 30 mph
- Revegetating disturbed surfaces as soon as possible following completion of operations in that area

## Noise Monitoring

The Project will include intermittent nighttime work on and adjacent to I-70 between Brighton Blvd. and Chambers Rd. beginning Sept. 17 and continuing through substantial completion in December 2022. Nighttime work in residential areas must follow specifications set out in a variance approved by the Denver Board of Public Health and Environment. The noise variance request was approved for one year, at which time it will be re-evaluated.

- Night work must stay under certain decibel levels (75 decibels on average). Work may occur Monday-Friday 9 p.m. to 7 a.m. and Saturday and Sunday 5 p.m. to 8 a.m.
- General construction may not occur in the same residential area for more than five consecutive nights in a 7-day period.
- When major construction activities (e.g. bridge demolitions) are scheduled, hotel vouchers will be offered to impacted residents. Major construction activities may not occur for more than three consecutive nights.

To make a complaint about construction noise during the night call the 24-hr hotline at 833-C70-INFO (270-4636). Residents may also call the city at 3-1-1.

The Central 70 team is committed to being a good community partner and will closely monitor noise to ensure requirements are being met. Project sound barriers will be installed near the I-70 viaduct as an additional noise reduction method.

For more information, please visit [C70.codot.gov](http://C70.codot.gov), call 833-C70-INFO or email [c70info@state.co.us](mailto:c70info@state.co.us).

## Groundwater

### How are we avoiding it?

The profile of the lowered section is above the groundwater table.

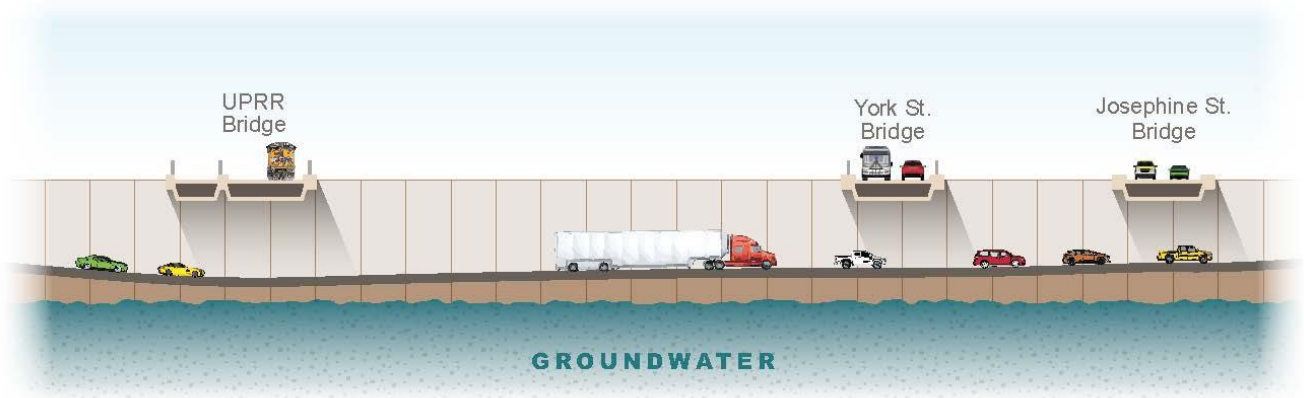
### What do we do with it if we come across?

Water will be pumped into tanks onsite. This water will be transported to a permitted water treatment facility where it is treated and discharged into the South Platte River.

### How do we test it?



Water will be tested by the water treatment facility prior to treatment. It is also sampled prior to and during discharge to ensure it meets the permitted water quality requirements.



### Air Quality

There are four air quality monitors installed adjacent to project corridor to monitor dust (particulate matter) during construction. If the monitors register a reading above the contracted dust limit, an alert is sent to the CDOT and Kiewit construction management teams. This allows the teams to identify the dust causing operation, and implement additional dust mitigation measures. The contract limit is below regulatory limits so the construction team can respond prior to any exceedances.

### Asbestos Removal

As buildings are being removed and soil is tested, asbestos remediation is done if located. The Colorado Department of Public Health and Environment approves all remediation plans. Remediation is performed by licensed contractors and state certified asbestos building inspectors are on site during the work to make it is done per code. The air is also monitored during the process.

### Soil Testing

Prior to construction start, the construction team is collecting soil samples for testing to determine if and how soil can be reused. The team collected 2,100 samples along the 10-mile corridor. Results are available on the website. Soil falls into one of three categories depending on content.

- **Below Residential:** - This is normal soil that can be reused on the project for things like backfilling falls, embanking roadway, etc.
- **Above Residential, Below Industrial:** - This soil will be used east of Colorado Boulevard under the roadway as fill material also. The material will be used in accordance with the restrictions set by CDPHE and CDOT.
- **Above Industrial:** - This soil is removed and hauled offsite to a certified disposal facility.