

Dust Mitigation

Overview

Kiewit, the Central 70 contractor, uses various measures to control dust in and around construction.

To lessen construction impacts to local residents, Kiewit continuously monitors dust through air quality monitors. These monitors, which take hourly measurements, are located throughout the Project so the team can modify or implement dust control measures as needed. Continuous PM10 (dust) monitoring includes an alert threshold that triggers additional dust control measures. Water is most commonly used to control dust.

On the Central 70 project, all unpaved roads and other disturbed surface areas on site must be watered as necessary to prevent off-site transport. Another common method of dust control is reducing speed limits on the haul routes within construction limits.



Water trucks during the Brighton Boulevard bridge demolition, February 2020

Other Measures

While these are the primary strategies used to control dust, other measures are ready to be employed as needed. These measures include:

- Covering, wetting or compacting disturbed soil
- Adding a stabilization compound to the haul routes within construction limits
- Using wind barriers and wind screens
- Providing a wheel wash station 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 spills
- Minimizing disturbed areas, particularly in the winter
- Avoiding performing excavation if wind speed exceeds 30 mph
- Revegetating disturbed surfaces within one year



Covered dirt along Stapleton North Drive, December 2019