



# AIR QUALITY

Air Quality is a top priority for CDOT and Kiewit and we are committed to “clean” construction throughout the duration of the Central 70 Project. The following measures have been put in place to mitigate dust and monitor air quality throughout the Project.

## AIR QUALITY MONITOR LOCATIONS



<b>1</b> 46th Avenue and Gaylord Street	<b>3</b> Quebec Yard
<b>2</b> Josephine Street and 45th Avenue	<b>4</b> I-225/I-70



Air quality monitors located adjacent to the Project in order to monitor PM<sub>10</sub> (dust)



If PM<sub>10</sub> levels rise, the contractor is alerted



Alert allows the team to identify and mitigate PM<sub>10</sub> levels before they exceed regulation levels

## DUST MITIGATION



Minimizing disturbed areas.



Covering, wetting or compacting the disturbed soil. Adding a stabilization compound to the haul routes within construction limits.



Spraying unpaved roads and exposed dirt services using water trucks.



Providing stabilized exits for construction vehicles to prevent tracking dirt onto public streets.



Using powered street sweepers.



Covering dump trucks leaving the work zone to prevent dust and debris from blowing. Avoiding excavation work if wind speeds exceed 30 mph.

## SWANSEA AIR QUALITY MONITOR (SAM)



Hourly measurements are available for the SAM Air Quality Monitor. Monitor located adjacent to the school.



SAM is one of many air quality monitors in the Denver metro area and around the state. The results provided by SAM, and all other monitors in Colorado, are compared against an Air Quality index (AQI) developed by the Environmental Protection Agency. A summary of air quality around the state is available for comparison. To see more on Denver, and specifically at SAM, click on the [expand +] and scroll down to SWAN.

[SAM FACT SHEET >](#)