

ASSUMPTIONS FOR AIR QUALITY AND NOISE ANALYSES
Cuesta Grade Workaround

- Construction width = 10 feet.
- One 1-foot wide (4-foot deep) fiber optic trench would be spider plowed along the length of the workaround.
- Specialized construction workers commute to site the number of days required for each activity (e.g., plowing).
- Wind erosion assumed to affect trench area during days needed for trenching/plowing. The emission factor is derived in Attachment A.
- Fugitive dust from travel of construction vehicles over site, including access road, is included in emission factor of 50 pounds of PM10 per day per acre of construction activity area as required by SLOCAPCD (1995). This emission factor is conservatively applied to the total time for construction times the total area of construction activity (10-foot wide band over the length of the workaround). The emission factor is derived in Attachment A.
- The fugitive dust generated by trenching/plowing for the fiber optic cable is simulated by the dirt/debris pushing emission factor published in the CEQA Air Quality Handbook of the South Coast Air Quality Management District. The emission factor is derived in Attachment A.