

# Construction Noise

## Effects

- Highest predicted construction noise level at homes 100 feet from tunnel construction would be 88 dB(A)
- Construction noise decreases with distance and with shielding (intervening structures or when equipment is in depressed section of expressway)
- Construction noise would vary in intensity at different locations throughout the construction sequence (increasing as equipment approaches a given location then decreases as it recedes).

## Mitigation

- Implement a construction noise monitoring program:
  - Establish noise levels that would trigger investigation.
  - Results of noise monitoring will be available on Project website and at the community outreach office.
- Coordinate work to coincide with time periods that would least affect residents and local businesses.
- No blasting and mechanical rock excavation between 9:00 PM and 7:00 AM.
- Temporary noise abatement measures such as shrouds or other noise curtains, acoustic fabric, physical barriers, and/or enclosures to reduce noise.
- Direct contractor to use pre-auguring equipment to reduce the duration of impact or vibratory pile driving when reasonable.



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