

# Environmental Compliance

## Noise Study Results

- **Traffic Noise Study**
  - A traffic noise study was completed according to FHWA Regulations & ODOT Noise Policy.
  - Noise modeling was performed to predict sound levels for the existing condition year 2019 and the future condition design year 2040 based on roadway geometry, traffic volumes, terrain and receiver site locations.
  - 34 noise receivers were evaluated, including 30 residences, 2 churches, 1 restaurant, and 1 hotel.
- **Noise Impacts Occur When:**
  - Exterior future noise levels are 66 decibels (dB) or above.
  - Exterior future noise levels are 15 dB or more above existing levels, even if future levels are below 66 dB.
- **Traffic Noise Results**
  - Future sound levels in the project area are expected to range from 32.7 to 63.5 dB.
  - No receivers are anticipated to experience a substantial noise increase by 2040, ranging from -8.0 to 11.1 dB.
  - Noise abatement measures are not required for this project.



### Environmental Studies & Assessment Results (continued):

Noise- ODOT completed a traffic noise study according to Federal Highway Administration (FHWA) and ODOT Noise Policy. The study utilized the FHWA Traffic Noise Model to predict future noise levels, factoring in 2040 traffic volumes, terrain and receptor site locations. Thirty-four receptor locations were modeled, representing 30 homes, 2 places of worship, 1 restaurant and a resort hotel.

Noise Impacts occur when future noise levels are at least 66 decibels; or future noise levels are 15 decibels or more above existing levels. The predicted sound level in the corridor is expected to range from 32.7 to 63.5 decibels.

Based on the proposed project, no noise impacts are expected.