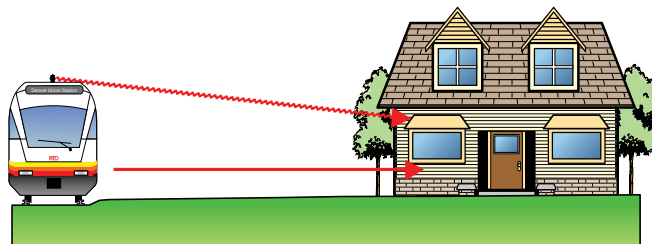


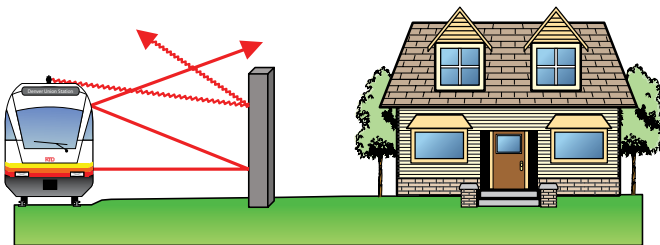
POSSIBLE NOISE MITIGATION MEASURES & QUIET ZONES

- Quality track design
- Sound walls or berms
- Sound insulation on muffler for DMU
- Directional horn devices
- Quiet zones (community must apply)

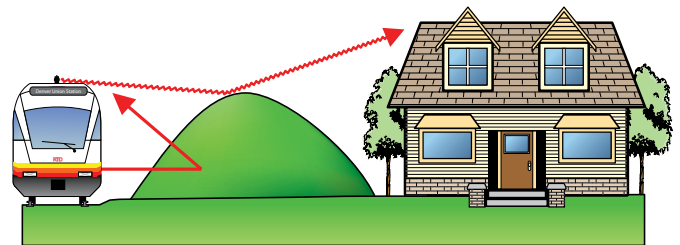
NOISE PATH WITHOUT MITIGATION



SOUND WALL



SOUND BERM



- FRA Rules state that trains must sound their horns when approaching grade crossings
- **Quiet Zone Definition:** Segments of railroad lines where train crews are exempt from sounding the horn at grade crossings.
- The **Municipality** must apply for the quiet zone, in coordination with other involved agencies.
- **Note** - The grade crossing must be made as safe without the horn as with the horn.
- RTD will hold workshops on quiet zone process as part of the Northwest Rail Project.
- More information can be found at <http://www.fra.dot.gov/us/content/1318>