

PROJECT PROFILE: **INDUSTRIAL RAIL PARK**



PROJECT: GLACIER RAIL PARK
Kalispell, Montana

Big Sky Acoustics completed a noise analysis and vibration assessment, per FTA *Transit Noise and Vibration Impact Assessment* guidelines, for the 40-acre industrial rail park that is surrounded by mixed commercial, residential and industrial land uses. The City of Kalispell obtained TIGER funding to move train operations out of Downtown, and remove 2 miles of track to develop the Kalispell Pedestrian Trail.

BSA's SERVICES AND SOLUTIONS:

- Noise receivers of interest, located within 1,000 feet of the Project impact areas, were identified for the analysis, including residences, churches and hotels.
- Completed 24-hour and short-term baseline noise level measurements, to quantify the existing ambient noise levels at the closest receivers.
- Developed a noise prediction and contouring model, using Cadna-A noise prediction software, and predicted the noise levels of the rail park activities and the horns at the associated crossing.
- Evaluated noise impacts at the Category 2 residential receivers, which were predicted to be moderately impacted by the train horns. Analyzed mitigation options, including wayside horns at the crossing.
- Ground vibrations at receivers located within 300 feet of the Rail Park and tracks were also assessed, but no vibration impacts were predicted for the Project.

BSA's analysis ensured the Project would meet FTA's noise and vibration requirements to protect the nearby noise-sensitive receivers.

