



VIVID Engineering Group, Inc.

3885 Forest Street, Denver, CO 80207

February 8, 2022

Michael White, PE
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Denver, CO 80203
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Subject: Noise Monitoring
Project: Les Schwab Noise Study
Location: Les Schwab, 11265 S Pikes Peak Dr, Parker, CO

Dear Mr. White:

At your request VIVID Engineering Group, Inc. (VIVID) performed a noise study at the existing Les Schwab Tire Center located at 11265 S Pikes Peak Dr, Parker, CO. Noise study was performed to determine the operational noise level of a Les Schwab Tire Center to assist with the permitting process of a proposed new Les Schwab Tire Center located at Pad 10, Sliceroo Drive, Parker, CO.

Noise monitoring was performed in accordance with the Town of Parker Municipal Code, Title 6 – Health and Safety, Chapter 6.03 – Noise Regulations as they relate to Commercial/Mixed-Use properties with one exception. Readings on the West side of the property were taken at the edge of Parker Road, approximately 50' from the property line. Readings at 100' would have been in the middle of Parker Road and would not have been feasible without lane closures.

Noise monitoring was performed on January 25, 2022. Readings were taken morning, mid-day, and afternoon, during normal business hours of Les Schwab Tire Center (8AM to 6PM). Readings were taken using the dB(A) scale.

Average Readings (dB(A)) – Commercial/Mixed-Use Daytime Allowable Limit (60 dB(A))

Location	Morning	Noon	Afternoon	Daily Average
100' North	55.1	56.4	54.2	55.2
100' South	59.1	55.6	58.6	57.8
100' East	58.5	52.5	55.3	55.4
*50' West	63.1	68.0	68.5	66.5
Average of all Locations				58.7

* The west readings are outside the Town's allowable limit. There are several factors leading to the higher readings. First, the weather conditions on January 25 were adverse. It had just snowed and the road noise of vehicles driving in the snow and plow trucks were noticeably louder than the noise coming from the Tire Center. Second, VIVID was unable to perform the readings at the required distance of 100' due to site safety conditions. Based on site observations the street noise was louder than the tire center.

It was also noted during the testing at all locations that the adjacent noise appeared to be louder than the Tire Center.

Based on the site conditions VIVID elected to take some additional readings. VIVID had Les Schwab Tire Center fully open their garage doors so unobstructed noise readings could be taken. Additional readings were taken at two distances in line with the open doors during full operation (loudest condition and location).

**Open Garage Door Readings at Property Line
Average Readings (dB(A))**

Location	Afternoon
36' East	62.2
60' East	54.9
Average	58.6

These additional readings give a more accurate assessment of the actual noise emitted from the tire center.

CONCLUSION

Based on the data collected, operating noise levels at the Les Schwab Tire Center are in reasonable conformance with the Town of Parker's Municipal Code for a commercial/mixed-use facility.

LIMITATIONS

VIVID shall perform its services consistent with the professional skill and care ordinarily provided by engineering firms practicing in the same or similar locality under the same or similar circumstances. VIVID shall perform its services as expeditiously as is consistent with such professional skill and care and the orderly progress of the project. VIVID makes no guarantee or warranty regarding the services, communications, report, opinion, or instrument of service provided.

Should you have any questions concerning the results provided, please contact Danny Bennett at 303.478.9087 or dbennett@vivideng.com.

Sincerely,



Danny Bennett
Chief Operations Officer



Red X indicates location of readings, at approximately 100' from the property line, except the west readings. The west readings at 100' would be in the middle of Parker Rd, actual distance was 50' from property.

Yellow X indicates additional readings taken with the garage doors open and under full operational conditions