



## CAR WASH NOISE STUDY



A car wash owner contacted AVANT for this project because they wanted to expand their car wash business, and open a new location. However, the local government was concerned that the potential noise disturbance would violate municipal code requirements at adjacent residential property lines.

**AVANT ACOUSTICS provided the following services:**

- Noise survey

**Project Highlights:**

AVANT ACOUSTICS took measurements of various noise sources at an existing car wash site shown in the accompanying pictures. In addition, AVANT took ambient noise measurements at the proposed site for reference. After evaluating this data, AVANT recommended modifications to the barrier wall planned as part of the new car wash. AVANT found that, with the recommended modifications, the barrier would provide sufficient noise attenuation to satisfy the city ordinance at the residential property lines.

AVANT then attended a city council meeting to present its findings and field questions.



**Project Location:**  
Lenexa, Kansas

**Facilities:**  
Car Wash

**Client:**  
Peak, Inc.

**Designer:**  
Andrew J. VonFeldt