

construction costs one must be cognizant of the additional maintenance costs meeting air quality requirements might entail.

Recommendation and Next Steps

Based on the analysis presented here, recommended design conditions for the 20-foot platted right-of-way alley are shown in Figure 3. As shown in the road section, recommended conditions include two 7.5-foot travel lanes and about a 5-foot buffer, which includes drainage improvements. Given the number of potential trips per day, the alley would function as a local access road, with pedestrians sharing the improved area of alley with vehicles. However, the reduced travel way will work to slow vehicles and allow pedestrians and vehicles to share the space. The surface should be hardened in order to minimize dust, given the potential trips per day.

Properties along the alley would be required to implement improvements to meet the adopted design standards upon submitting a development application or Access Permit to the county. At that time the county would also require applicants to provide an acceptable location on their property for an appropriate area and easement (types and extents are to be determined) to ensure adequate access and emergency turnaround from the alley.

Figure 3. Recommended Alley Conditions - Road Section

