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STRATEGIES TO REDUCE EXPOSURE TO TRAFFIC-RELATED AIR POLLUTION AT THE LOCAL LEVEL

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As public health concerns for populations living, working and going to school near high-traffic roadways have increased, so have the need to identify and implement air pollution control strategies effective at the local level. While strategies implemented at the federal and state level, such as motor vehicle emission standards and vehicle activity reduction measures, are vital components of reducing exposures, these control strategies can often take a long time to implement. Air pollution mitigation options available to state and local transportation agencies, local community leaders, urban planners, and developers have also been identified that can also enhance reductions in air pollution exposures for near-road populations. These options can include improving indoor and ambient air quality. This presentation will summarize the ambient air pollution mitigation strategies that can be implemented at the local level to reduce near-road air pollution exposures such as improved land use and site layout designs, roadway configuration, and the use of roadside solid and vegetation barriers.