

**South Orange County Multimodal Transportation Study
Purpose and Need Statement**

The Purpose and Need Statement summarizes the existing and future transportation challenges in the study area (which is illustrated in Attachment A) and the desired study outcomes. The Purpose and Need Statement provides the basis for defining multimodal solutions for consideration, comparing multimodal vision alternatives, and ultimately for selecting a locally preferred strategy for south Orange County. The Purpose and Need Statement is summarized in the following table.

Need	Purpose
Make public transit, bicycling, and walking more convenient and accessible	<ul style="list-style-type: none">• Increase availability of transit service and infrastructure for bicycling and walking• Provide convenient connections between different travel modes (e.g., transit and bicycling)• Coordinate with land-use development
Decrease the overall number of trips made each day	<ul style="list-style-type: none">• Reduce overall travel demand• Enhance transportation safety and efficiency• Better utilize available freeway lanes, carpool lanes (high-occupancy vehicle lanes), and street space
Protect the environment and preserve transportation infrastructure	<ul style="list-style-type: none">• Increased zero-emission vehicles• Improve access to clean, affordable travel options• Preserve transportation infrastructure from natural disasters• Minimize adverse environmental impacts
Adapt to new transportation technologies and services	<ul style="list-style-type: none">• Consider autonomous vehicles and electric charging infrastructure• Pursue proven technologies• Support equity and innovation• Support telework strategies