



# **ROUNDBABOUTS: AN ARIZONA CASE STUDY AND DESIGN GUIDELINES**

## **Final Report 545**

Prepared by:

Jim C. Lee and Brennan D. Kidd  
Lee Engineering, L.L.C.  
3033 N. 44<sup>th</sup> Street, Suite 375  
Phoenix, Arizona 85018

Bruce Robinson and Wade Scarbrough  
Kittelson & Associates, Inc.  
610 SW Alder, Suite 700  
Portland, Oregon 97205

## **July 2003**

Prepared for:

Arizona Department of Transportation  
206 South 17<sup>th</sup> Avenue  
Phoenix, Arizona 85007  
in cooperation with  
U.S. Department of Transportation  
Federal Highway Administration