

THE VALUE of Roundabouts

Roundabouts "...may reduce noise and air quality impacts and fuel consumption significantly by reducing the number of acceleration/deceleration cycles and the time spent idling."⁽¹⁾



"They have been justified as a spur to **economic development**, conveying to developers that the area is favorable for investment in redevelopment."⁽²⁾

Average annual crash frequencies at 11 U.S. intersections converted to roundabouts.

Type of Roundabout	Percent Change			
	Sites	Total	Injury	PDO
Single-Lane	8	-51%	-73%	-32%
Multi-Lane	3	-29%	-31%	-10%
Total	11	-37%	-51	-29%

Source: Jacquemart, G. *Synthesis of Highway Practice 264: Modern Roundabout Practice in the United States*. National Cooperative Highway Research Program. Washington, D.C.: National Academy Press, 1998.

(3)

Source:

- (1) Federal Highway Administration Report, Roundabouts: An Informational Guide, 2000
- (2) Federal Highway Administration Report, Roundabouts: An Informational Guide, 2000
- (3) Federal Highway Administration Report, Roundabouts: An Informational Guide, 2000