

**THE CONTRIBUTION OF ROUNDABOUTS TO ROAD SAFETY:
THE CASE OF 4 ROUNDABOUTS IN THE MUNICIPALITY OF
THERMI GREECE**

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ABSTRACT

Roundabouts are circular intersections with specific design and traffic control features, offering improved road safety, operational efficiency and level of service. Compared to other types of intersections, roundabout installation is strongly promoted as an effective safety intersection treatment, mainly because the potential conflict points between vehicles, pedestrians and other prone users are limited and speeds into and through the intersections are decreased. According to statistical studies relating to fatal accidents and injuries, roundabouts are proved to be safer in low or moderate traffic capacity conditions. The main objective of this paper is to examine the safety aspects of roundabouts, focusing on the effectiveness of roundabouts in reducing intersection crash frequency and severity, discussing crash and accident statistics based on international data resources and presenting the case of 4 roundabouts in the municipality of Themi, Greece.