

# AUTOMATING TRAFFIC STUDIES AT MODERN ROUNDABOUTS- A FEASIBILITY STUDY

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## ABSTRACT

The modern roundabout is growing in popularity as an alternative intersection design, however it presents engineers a new quandary. At a traditional intersection, traffic movements may more easily counted given vehicle spacing, lane demarcations, and signal phasing. At a roundabout, counting techniques are much different. This research builds on other academic research to prove the feasibility of creating an automated traffic counting solution that is comprised of readily available parts, and a heuristic computer algorithm.