# ‘Fix Crash Corner’ – A Roundabout Story (Practice Paper - Abstract Category – Physical Health)

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| This is a story about a project with big crash beginnings, fast-track design, effective project management, and ‘**Safe System**’ endings.  Church and Victoria Streets were a X-junction in Onehunga, Auckland, nicknamed ‘*crash corner*’ by locals. Over the previous 5 years, 54 crashes were reported, including 23 minor and 1 serious crash (**DSI**). Vehicle debris and property damage were a permanent feature on most corners of the junction.  A picture containing outdoor, car, grass, road  Description automatically generated  Auckland Transport decided to convert the cross-roads to a roundabout.  A collaborative team effort resulted in the project progressing from scheme to construction in under 6 months. Advanced scheme and detailed design plans were prepared within a month. Progress meetings and stakeholder liaison facilitated delivery. Construction began in parallel, while construction plans were still being finalised.  Construction was a short 2 stage process over New Year holidays, minimising disruption to the community.  Zero complaints were received during construction, and an MP’s commendation afterwards. | The constructed roundabout was the first *‘****Safe Systems – Vision Zero****’*design of its kind in New Zealand, being a fully raised roundabout with 4 pedestrian crossings.  Independent crash analysis in June 2021 determined that the new roundabout had reduced reported crashes to **zero**, with additional crash savings nearby.  Community benefits included enhanced pedestrian amenity, upgrading of bus stops, and improved access to public transport (**mode shift, social well-being,** and **reduced carbon** emissions).  **Environmental sustainability** was achieved by protecting roots during footpath excavations, permeable surfacing at bus stops, silt socks on catchpits, recycled water in construction trucks, and material sourcing from nearby sites (reduced **carbon emissions**).  The project was selected as a finalist in the **IPWEA NZ** Asset Management Excellence Awards (2022), based on *‘Excellence and Innovation’, ‘Community and Economic Contribution’, ‘Project Management’*, and Road Safety Benefits. |



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