Project Background

The project relates to the development of a light rail system that passes through key activity centres of Southport, Surfers Paradise and Broadbeach. The 13-kilometre Stage One corridor and any future stages promise to significantly improve the liveability of the Gold Coast by improving accessibility, while reducing the effects of congestion that comes with a rapidly growing city. It is one of the most important pieces of transport infrastructure ever undertaken on the Gold Coast.

“Applying the IS rating tool on the project provided a driver to change the way the project was delivered and more importantly the way in which project personnel may lead future projects”

*See page 2 for qualifications and detail. Information in this Case Study has been provided by the rating registrant and verified through the IS rating process. © Infrastructure Sustainability Council of Australia. ISCA and IS are registered trademarks of the Infrastructure Sustainability Council of Australia.*
Costs

Total cost of the rating including rating fees, tracking and initiatives was <$2 million

Benefits

Innovative and collaborative design to avoid moving a sewer pipe from within an old landfill site—modification of viaduct from a bridge type structure to a slab on pile structure.

- Avoid the need to excavate and relocate 68,200 tonnes of waste material,
- 40% reduction in the quantity of concrete and steel required
- Reduction in embodied carbon emissions of 3,200 tCO₂-e

Recycling of sand from excavation to local beaches

- Savings from reduced transport and recycling fees
- Improvement to local beaches

Saved 44,000 tonnes of materials

- 55% reduction in embodied carbon emissions
- Saved 5,000 tonnes of carbon emissions

156,000 tonnes of waste diverted from landfill

- 90% recycling of inert and non-hazardous construction waste
- 100% recycling of spoil

Improved outcomes for the community through better engagement and involving key parties in decision making

Block to block closures were agreed as a trade off for the project team halting works during Christmas period.

Improving capability and employment opportunities within the greater Gold Coast area

- 96% of project employees were recruited from within greater Gold Coast Area
- 80% living within the Gold Coast City Council area.

TOTAL SAVINGS $14.7 MILLION

RETURN ON INVESTMENT FOR CONSTRUCTION >600%