



CONSTRUCTION

From two-lane streets to eight-lane freeways with complex interchanges, GHD provides a full range of construction services covering urban, suburban and rural environments as well as environmentally and culturally-sensitive areas.

OUR CAPABILITIES

GHD's related construction services include:

- ▶ Project management
- ▶ Tender management
- ▶ D&C
- ▶ Owners agent
- ▶ Alliances
- ▶ Risk management

OUR EXPERIENCE

SOUTH EAST SUNSHINE MOTORWAY, AUSTRALIA

GHD has been commissioned to assist with the construction of the Sunshine Motorway (Maroochydore Road to Pacific Paradise) in Queensland.

GHD will act as the Principal's Representative's Agent for the duplication of the existing Sunshine Motorway which includes the construction of two bridges, the reconfiguration of an interchange, construction of a new three-lane bridge, widening of an existing bridge to three lanes, an additional two bridges, a new trumpet interchange and a new intersection. GHD is also contributing to several other large-scale road projects in South East Queensland such as the Bruce Highway upgrade (Boundary Road to Caboolture), Caboolture Bypass Stage 2, Sunshine Motorway upgrade (Kawana Way to Sippy Downs) and Barkly Highway upgrade (Mt Isa to Camooweal).

KEY TRANSPORT LINKS, NEW ZEALAND

GHD is involved in three signature road projects across Auckland, in which we are providing project management, contract administration, design and planning services. This massive infrastructure project features a link road from State Highway 20 to State Highway 1 in South Auckland that comprises three grade-separated interchanges, five kilometres of four-lane motorway and integration with a new rail link.

The Waiouru Interchange is another key link and includes two grade separated interchanges, a 200-metre long bridge, widening of the motorway and construction of a large roundabout.

HALE STREET LINK FEASIBILITY STUDY, AUSTRALIA

GHD was engaged to undertake a detailed engineering, environmental feasibility study and impact assessment of the proposed Hale Street Link, which incorporated a new bridge across the iconic Brisbane River in Queensland.

The link will include a tolled bridge river crossing and is anticipated to cater for the city's growing population that regularly commute within the inner city area.

Our team has a long and successful history in delivering successful infrastructure projects. With this assignment, various options were considered for the connections and road network changes at either end of the bridge, and for the bridge form itself.

Concept designs were developed in accordance with the regional authority's design standards and these included using an extended design domain philosophy. Other matters that were considered included traffic volumes and operations, cost effectiveness, life cycle costs, urban design and landscape issues, and constructability.

