

Project Profile

Warmun Community Roads Reconstruction

The reconstruction and resurfacing of flood damaged roads and construction of new roads for the remote Aboriginal community of Warmun, Western Australia

PROJECT DESCRIPTION

In 2010, Turkey Creek flooded the Warmun Community, a remote indigenous community located in the Kimberley Region of Western Australia. Dozens of homes were destroyed, and more than 100 people were evacuated. Large sections of road accessing the community were washed away in the flood.

Reconstruction works initiated by the Department of Housing and delivered by the Highway Construction/Kimberley Regional Service Provider Joint Venture (HKJV) included repairing damaged roads, as well as the construction of new roads and associated drainage works for replacement homes.

FEATURES AND CHALLENGES

- The HKJV adopted enhanced traffic management to allow property access throughout all stages of works;
- Logistical challenges associated with working in a remote community were overcome successfully through innovative project management, e.g. sourcing rockbase from a nearby mine site for the road basecourse;
- Significant noise, vibration and dust control measures were undertaken to minimise impacts on the affected community and adjacent landholders;
- Numerous design alterations were made by the team to overcome lot boundary and service conflicts;
- Services were also relocated to prevent damage during construction activities; and
- Rock protection was adopted to reduce effects of scouring from tropical downpours.

HIGH DEGREE OF COMMUNITY LIAISON

The project also required significant liaison with community representatives to manage the delivery of construction works with the least possible disruption to an already disrupted community. Sensitivity to areas of environmental significance were also observed using an exclusion zone system.

As a result, the project was successfully delivered on time and on budget, prior to the onset of the Wet Season, with a number of Warmun community members to undertake a variety of tasks on the job.

CLIENT

Department of Housing, WA

TYPE OF CONTRACT

Construct Only

LOCATION

Warmun, Western Australia

TIMEFRAME

Sept 2012 – Dec 2012

PROJECT VALUE

\$10 million

