BRIDGE 2050

VALUE	\$500K
YEAR	2014
DURATION	4 months
CLIENT	ACT Government
REFEREE	Thusitha Gangodagamage
PHONE	02 6234 1942

SUMMARY	Bridge 2050 is located over Sullivans Creek on the eas ACT. The 3 span bridge structure consists of precast F During a routine bridge inspection, it was identified th ACT Government committed funding to rectify the issu works to increase load capacity.
	To remedy de-bonding between the planks and deck, stressed to the planks. To complete the significant dril hydraulic drilling stand, increasing productivity and sig Strengthening works included installation of CFRP boo supports at the abutments and piers. During concrete using temporary supports to reduce vibration through between new and existing concrete elements during o
	The technical bridge remediation and strengthening v environmental, quality or safety non conformances rec
PROJECT FEATURES	Grit blasting and encapsulation
	Carbon Fibre Reinforced Polymer strengthening
	Structural grouting and anchoring
	Bespoke overhead drilling stand design and fabricatio
	In-situ concrete strengthening
	Working within a flood prone waterway
	Significant environmental protection
	Coffer dam installations
	Bridge jacking
	Temporary works design and propping
	Complex traffic management with heavy vehicle detou

astbound dual carriageway of Barry Drive, Turner ast PSC planks with an in-situ concrete deck. that the planks and deck had de-bonded in areas. The asue, and undertake additional bridge strengthening

k, 1,462 dowel rods were anchored to the deck and rilling works, Complex developed a custom overhead significantly reducing worker strain and fatigue. bonded to the bridge soffit and in-situ concrete ete strengthening works, the bridge was propped gh the substructure, increasing bond strength g curing.

works were completed ahead of schedule, with no ecorded.

tion