

## Summary

The following listed includes the testing and investigation reporting on bridges by Integrity Testing. The reports included a load capacity rating, recommendations and in some cases design and implementation of the repairs with follow up retest and verification.

Over 50% of the bridges tested were timber with remainder equally split between Concrete and steel.

YEAR.	CLIENT	LOCATION STRUCTURE TYPE
1990	Davy British Rail/British Aid	South East Asia. 150 steel truss bridges on the Tanah Abang to Merak Railway upgrade, with spans from 10 to 40 meters, Predominantly 20 to 30 meter spans, over large rivers
to	RTA, NSW	Bawden Bridge, Grafton, Wrought iron truss bridge, historic 35 meter spans. Mc Clean Bridge, Grafton, composite wrought iron, timber Bridge, with large spans
	Vic Roads	Assessment and load capacity measurement of 12 timber bridges, 6 concrete bridges.
2000	Remedial Engineering	Morrell bridge in Melbourne, historic bridge
<b>AUSTRALIAN PROJECTS FROM 2000 ONWARDS</b>		
YEAR.	CLIENT	LOCATION STRUCTURE TYPE
2000	Alpine Shire	Two bridges, Single and Multi Span around Bright
2001	Campaspe Shire	Testing a Monash designed bridge at Strathalen
		Timber composite Normans Bridge at Pyramid
2002		Timber bridge, Gunbower Bridge, near Rochester, Vic.
	Baw Baw Shire	Two timber composite bridges, single and multi span, Gippsland, Victoria
	Mirvac	Deck capacity of Princess Pier, Melbourne, Vic
	Wellington Shire	Three bridges, two multi span reinforced concrete bridges 400 metre pre stressed beam bridge, Gippsland
	Delotite Shire	Timber single span bridge, Vic.
2003	Gippsland Ports	Deck capacity of 500metre jetty at Port Weshpool, Vic.
	South Gippsland Shire.	Multi span composite bridge at Agnes, Gippsland, Vic.
	GHD.	Jubilee Bridge, Historic reinforced arch bridge over the Johnstone river at Innisfail, North Queensland
	Hepburn Shire	2 bridges, Clunes and Leonards

		bridge, both timber/steel Composite bridges
	Coffs Harbour Council. NSW	Four bridges, three reinforced concrete and one reinforced arch bridge
	Wellington Shire.	Prospect bridge, a reinforced concrete bridge
	Naracorte Lucindale council SA	A Monash designed concrete reinforced bridge(SA)
	Townsville Port Authority	Testing of the approach bridge, part of Berth 1 at the Townsville Port.
	Hindmarsh Shire	Six reinforced concrete bridges and one timber bridge
	S. Gippsland Shire	Timber single span bridge. Vic
	Pyrenees Shire	Six composite steel timber bridges and one concrete bridge. Vic.
	West Wimmera Shire	Composite timber bridge. Vic
	GHD Cairns	Suspended swimming pool at Reef hotel, Cairns.
	Baw Baw Shire	Three composite steel timber bridges, Vic
	S. Gippsland Shire	Tree damaged concrete bridge, Vic poowong. Design and hands on training staff for successful repair.
	S. Grampians Shire	One steel and timber composite bridge, Vic.
	N. Grampians	Three steel and timber composite bridges, Vic.
	Colac Shire	Four composite steel and timber bridges, Vic.
2004.	Alpine Shire	Three suspension bridges, Vic
	Central Goldfields Shire	Six composite and reinforced concrete bridges, Vic
	Wellington Shire	Four composite and reinforced concrete bridges, Vic.
	South Gippsland Shire	Six composite and reinforced concrete bridges, Vic
	Wellington Shire.	One timber bridge and repair specifications for six bridges.
	South Gippsland Shire	Two reinforced concrete bridges, Vic
	GHD, Cairns	220 meter long, composite, steel and concrete bridge Barron Gorge, Cairns, Qld.
	Baw Baw Shire	Three composite concrete, steel and timber bridges, Moe, Vic
2005	Central Goldfields Shire	Six composite Steel/ Timber bridges
	Moyne Shire	Five composite steel/timber bridges
		Concrete bridge, plus foundations of timber bridge
	Central Goldfields shire	Specification for two bridge

		repairs
	Pyrenees shire.	Three composite bridges
	Pelerang Shire ACT.	Two multi span timber bridges
	Tenterfield Shire NSW	Two timber bridges
	Wagga Wagga City.NSW	Six timber and timber composite bridges
	Central Goldfields Shire.	Advice to council on the cost effectiveness of repair to two Bridges. Including full council presentations
	Moira Shire	5 composite steel and timber bridges, full investigations
	Ballina Shire	A composite steel and timber bridge, with eight spans
	Moira Shire	Advice on urgent repairs to two bridges closed to traffic
	Colac Shire	A nine span timber bridge over a river, after partial repairs.
	Corangamite shire	Testing to determine load rating of concrete bridge
	GHD Canberra.	Determination of load capacity of foundations
	Wellington shire	20 bridges investigated using our new level 2.5 NDT pile testing and visual inspections.
	Baw Baw Shire	3 composite steel and timber bridges, Vic
	Coffs Harbour Council	3 composite steel and timber bridges, NSW
	Tamworth Regional Council	Testing of timber bridge, NSW
	Armadale Regional Council	Testing of three timber bridges., NSW
	Ararat City Council	Testing of two composite steel and timber bridges, Vic.
	Moyne Shire	Testing of 13 composite, steel, timber, concrete and Masonry bridges, Vic
2006	Wellington Shire	22 bridges inspections using the 2.5 inspection system
	Coffs Harbour Council	Historic Timber bridge, full DBTS
	Hepburn Shire	Wheeler's bridge, historic Monash designed bridge, concrete Arch, and specification for repairs
	Mirrabool Shire	Six bridges mixed composites all with full DBTS
	South Gippsland Shire	Two bridges, timber with critical loading requirements
	Coffs Harbour Council	Repeat testing with DBTS after our recommended repairs
	Tamworth Shire	Five bridges, mixed composites with full DBTS
	Wagga Wagga Council	Seven bridges mixed composites concrete tops/timber all with full DBTS
	Gundagai Shire	Historic bridge with critical loadings, full DBTS
	Kyogle Shire	Five bridge all timber, safety for

		fire trucks with full DBTS
	Tenterfield	One bridge, critical for school bus with full DBTS
	Taree Shire NSW	Two bridges, timber bridges with T-44 loading requirements Full DBTS, with specification for repairs. Retested after Repairs, now suitable for T-44 loadings
	Moyne Shire	Specification for three bridges with site control
	Moyne Shire	Five bridges for safe loading by Timber trucks, full DBTS
	Moira Shire	Hancocks bridge , historic bridge with full DBTS
	Tamworth Shire	Eight bridges for repairs, rather than replacement, due to funding constraints.
	Wellington Shire	Completion of a total of 95 bridges with 2.5 inspections
	Murrumbidgee Irrigation	Recent pre cast concrete bridge with cracking, full DBTS
	City of Greater Bendigo	Seven bridges, mixed construction all with full DBTS
	Wagga Wagga	Hampden Bridge an 1895 Allan truss bridge, partial failure led to full DBTS and specification for repairs and supervision of the works
	Coffs Harbour	Two bridges, very long timber bridges with full DBTS
	Moyne Shire	Twelve bridges for safe passage of timber trucks, full DBTS
	Gloucester Shire	50 meter timber/steel composite bridge with full DBTS
	Coffs Harbour	Testing jetty with DBTS for safety due to large pedestrian usage with power boat racing under the jetty.
	Taree shire	long timber bridge, needs T-44 trucks to use the bridge
2007	Central Goldfields shire	DBTS testing of five bridges, all types, timber, Concrete. (Vic)
	Armadale City Council	Inspection and testing of five bridges, all types (NSW).
	Gundagai Shire Council	Inspection and testing of Historic Bridge (NSW).
	Yarra Ranges Council	Inspection and testing of two timber bridges (VIC).
	Moyne Shire Council	Inspection and testing of five bridges DBTS (VIC).
	Weddin Shire council	Inspection and testing of a Historic Bridge (NSW).
	Nambucca Heads Shire	Inspection and testing of a Historic Bridge (NSW).
	Mitchell Shire Council	Inspection and testing of two critical bridges (VIC).
	Greater Bendigo council	Testing of four timber bridges in

		critical condition
	Colac and Ottway Shire	Inspection and testing of the three bridges (VIC).
	Greater Bendigo council	Inspection and testing of four bridges (VIC).
	Wellington Shire	DBTS load rating of bridges previously inspected using Our 2.5 inspection system, nine bridges tested (VIC).
		Inspection and load testing of six bridges, due to flood Damage (VIC).
	Urana Shire	Inspection and testing of seven bridges (NSW).
	First State Colonial	DBTS load testing of all spans over eight floors of the Myers Store in Bourke St, Melbourne, over 200 DBTS tests carried (VIC). Foundation testing and assessment to permit extra loading
	Moyne Shire	Inspection and testing of four bridges (VIC).
	Wellington Shire	Inspection and testing of four flood damaged bridges(VIC)
	Yarra Ranges Shire	Load rating of a single timber bridge (VIC).
	Wellington Shire	Inspection and load testing of timber bridge (VIC).
	Gloucester City Council	Inspection and load testing of historic bridge (NSW).
	Coffs Harbour City Council	Inspection and load testing of three bridges (NSW).
	Baw Baw Shire	Inspection and testing of eight bridges various Constructions (VIC).
	Greater Bendigo City Council	Inspection and testing of three bridges (VIC).
2008	Moyne Shire	Inspection and testing of five bridges (Vic).
	David Jones	Testing of six floors by DBTS for reverse Engineering with over 150 DBTS tests carried out for the floor capacities. David Jones Store, Bourke St Mall, Melbourne
	Saracen Properties	Testing of five floors of a multi storey car park, reverse engineering for extension of the car park. Perth. WA
	Vic Track	Inspection and testing of a rail overbridge. Huntley (Vic).
	City of Greater Bendigo	Inspection and testing of three bridges (Vic).
	Wagga Wagga Council	Inspection and testing of seven span Hampden historic

		bridge(NSW) and repair
	Vic Track	Inspection and testing of seven timber bridges, including Design, production of drawings and project supervision. Vic
	Wagga Wagga Council	Inspection and testing of eight span concrete bridge NSW
	Bovis Lendlease	Testing floor slabs for redevelopment, Valley Metro, QLD
	Jones Lang Lasalle	Testing floor slabs for redevelopment, Mornington, Vic.
	Coffs Harbour	Inspection and testing of a five span bridge, Coffs Harbour NSW
		Inspection and testing of a five span bridge, Coffs Harbour
	Inverall Shire	Inspection and testing of three multi span bridges, Inverall, NSW.
	Narrabri Shire	Inspection, testing and repairs requirements, Narrabri, NSW.
	Musswellbrook	Inspection and testing of four multi span bridges, Musswellbrook, NSW
	Coffs Harbour	Level 3 testing of one bridge and 2.5 testing of five bridges Coffs Harbour, NSW.
	Baw Baw Shire	Inspection and testing of three bridges, Baw Baw, Vic.
	First State Group	Testing of floor slabs for redevelopment, Mornington, Vic.
	Oberon Shire	inspection and testing of one bridge, Oberon, NSW
	City of Greater Bendigo	Inspection and testing of four multi span bridges, Bendigo, Vic
	Wagga Wagga City	Inspection and testing of twelve bridges, Wagga Wagga, NSW.
	City of greater Bendigo	Inspection and testing of two large multi span bridges, Bendigo, Vic.
	Melton Shire	Inspection and testing of one bridge, for CFA requirements. Melton, Vic
2009	Victrack	Structural testing of the Historic Merri River bridge at Dennington. Vic
	Wagga Wagga	Consultant for rescue of partially failed 1895 Alan Truss Bridge (Hampden Bridge). Successfully restored

	Armidale	Testing of two composite bridges for load rating etc. NSW
	City of greater Bendigo	Five bridges, various construction full DBTS. Vic
	Victrack	Full DBTS level 3 inspection of ten bridges, all timber composites with five requiring repair specifications and full site control of the repairs
	Colac Otway	Full DBTS, various constructions, but mainly timber bridges. Vic.
	Coffs Harbour	Repair strategy for all timber bridge. NSW.
	Wagga Wagga	Kapooka bridge, Historic rail arch bridge, full level 3 with discussions of various parties for the repairs to the bridge.NSW
	Wellington Shire	Full level 3 inspection of the Lake Glenmaggie bridge a Historically listed bridge over Lake Glenmaggie. Preparation of options for repairs for the timber truss section of the Bridge. Vic.
	GHD Cairns	Re-testing of the Historic Jubilee bridge in Innisfail, to determine rate of loss of load capacity after our initial Full DBTS testing of the bridge in 2003.
	Greater Taree Council	Full DBTS of 7 bridges, all composite timber bridges. NSW
	Colac Otway Shire	Re-testing of two timber bridges after repairs for load rating. Vic.
	S Gippsland	Full DBTS on three composite concrete/steel bridges. Vic
	Port McQuarie Hastings shire	Full DBTS on 10 bridges, various timber, timber composites. NSW
	Victrack	DBTS on structural adequacy of a brick chimney. Bendigo. Vic.
	Loddon Shire	Full DBTS on 5 bridges, timber composites and concrete. Vic.
	Victrack	Full investigation and expert witness for Historic timber Bridge at Warranabool. Vic
	S Adelaide Hills	Full DBTS on a steel/concrete composite bridge. SA.

	Greater Taree Council	Full DBTS on a timber/steel composite bridge. NSW
	Victrack	Full DBTS on 4 timber/ steel composite bridges. Vic
	Northern Grampians Shire	Full DBTS on 15 bridges, timber, steel and concrete. Vic
	Wellington Shire	Full DBTS on Glenmaggie bridge for Heritage. Vic
	Greater Taree Council	Re testing timber truss bridge after repairs. NSW
2010	S Gippsland	Full DBTS on timber/ steel composite bridge. Vic.
	Port of Rabual	DBTS on decks to two large wharves, Rabual, PNG
	S Gippsland	Full level 3 inspections, plus design and supervision, Vic.
	Baw Baw Shire	Full level3 inspections on three composite bridges, Vic
	Dept of Justice	Floor loadings for installation of new computers, Melbourne
	Wagga Wagga	Full level 3 inspection on Brooklyn lane bridge, NSW.
	S Gippsland	Re checking 2 bridges for loading capacities, after desk top studies, Closed the bridges, we retested and now repaired for T-44 trucks
	Wagga Wagga	Full level 3 inspections for 14 bridges after severe flooding, NSW
	Bendigo City	Full level 3 inspections for 4 bridges, including historic Thistle Arch, Vic
	S Gippsland	Composite steel and concrete bridge full level 3 inspection, Vic.
	Ararat Shire	Testing of 8 bridges, steel, timber and concrete, level 3, Vic.
	Victrack Access	Re testing of large cast iron bridge, after previous desk top study recommended new bridge, bridge reopened with minor repairs, Vic.
	GHD.	Third time of testing for Jubilee Bridge in Innisfail, bridge closed and new bridge to be built, Qld.
	Victrack Access	Full level 3 inspection of 4 timber bridges, design and supervision of the Repairs, Vic.
	S Gippsland	Full inspection, design and supervision of the repairs. Vic

	Wagga Wagga	Full level 3 inspections of 7 bridges, composite, steel and concrete, NSW
	Gunnedah	Full level 3 inspection of timber composite bridge, NSW.
	Port Macquarie Hastings.	Awarded tender for full level 3 inspections of 11 bridges, composite Timber and steel bridges, NSW.
	Port Macquarie Hastings.	Awarded tender for full level 3 inspection of the Historic Kindee bridge a unique timber suspension bridge, NSW.
	Victrack access.	Full level 3 inspection, design and supervision of a timber bridge, Vic.
	Ararat shire.	Full level 3 inspection of a bridge where and accident had occurred, with Re design recommendations, Vic.
	Harden Shire	Full level 3 inspections for three bridges from our results of our previous Level 2 inspections, NSW.
	Forbes Shire	Full level 3 inspection of an historic timber bridge. NSW.
	S Gippsland Shire.	Full level 3 inspection of a timber bridge, Vic
	City of Greater Bendigo	Full level 3 inspections of 3 timber bridges for a rail trail, Vic.
	Wagga Wagga	Full level 3 inspections of 20 composite bridges after severe Flooding. NSW.
	Victrack	Full level 3 inspections, plus design and supervision of repairs to three Bridges, Vic.
	Roaring Forties	The use of the DBTS system to determine serviceability of seven large Concrete bases for Wind Turbines, Tasmania.
2011	Wagga Wagga	Retest of 2 bridges after repairs, NSW.
	Cassowary Coast	22 bridges, full level 3 inspections after Typhoon "Yasi", QLD.
	Loddon Shire	5 bridges, full level 3 inspections

		after flooding, Vic.
	S Gippsland Shire	2 bridge, full level 3 inspections for rail trail, Vic.
	Gold Coast City Council	4 concrete bridges, full level 3 inspections, after floods, Qld.
	Gunnedah shire	13 bridges, full level 3 inspections for load and integrity, NSW.
	Gold Coast City Council	7, timber bridges, with full level 3 inspections for loadings. Qld
	Colac Otway	4 bridges, full level 3 inspections for serviceability, Vic.
	City of Greater Bendigo.	2 bridges retests after repairs. Vic.
	Wagga Wagga	6 bridges tested after repairs recommended from our previous inspections. NSW.
	Tamworth Regional Council.	21 bridges for full DBTS and recommendations, after floods NSW, including a historic Allan Truss Bridge.
	Bonnaci Group	Testing of floor slabs at a Springvale road factory. Vic
	City of Greater Bendigo	4 bridges for re inspection after initial testing over 5 years ago. Vic
	Wollondilly Shire Council	5 bridges for full DBTS, with recommendations for repairs
Other projects	Ongoing	Names with held due to confidentiality