

Farm
Council
Pedestrian
Cycleway
Subdivision
Golf Courses

We Build Bridges

Forestry
Refurbish Old Bridges
Hire a Temporary Bridge
Emergency Bridges
Bridge Certification
Insurance Assessments



Strengthening of Goldfields
Railway Bridge - Waihi



2015 Excellence Award
Winner

BRIDGE IT NZ



BRIDGE IT NZ



Duck Creek – Wellington.
18m x 6m Double T Bridge.



Transpower.
9m Concrete deck
over steel beams.
HN HO loading.

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About Bridge It

Building Bridges
is in our DNA

*Johnsons, Motu River.
36m Concrete Deck Steel Beam.*

With a proud record of building award winning structures for a vast range of clients and communities, Bridge It NZ is a market leader in innovative bridge design.

Extensive civil engineering experience and a collaborative partnership with Tiaki Engineering Consultants make Bridge It NZ experts in building small (6m) to medium-sized (50m clear span and 80m multiple span) bridges suitable for council projects, subdivisions, farms and forestry.

Construction varies from steel framed, timber decked bridges designed to take livestock and a light farm vehicle, through to full concrete bridges that can handle heavy loads. Since the company was founded in 2009, Bridge It NZ's managing director Pat Seuren and his experienced team have designed and built a significant variety of bridges, from heavy duty concrete bridge constructions, through to crossings for residential areas, golf courses, cycleways, parks, reserves, and farms.

With a focus on research and development, Bridge It NZ delivers a variety of cost-effective bridging solutions that include the full package: site assessment, design, fabrication, installation, consents and certification. Right across New Zealand, Bridge It NZ is committed to providing customers with a quality experience and superior, cost-effective bridging solutions.

As a forward-thinking business, Bridge It NZ is an industry leader with exceptional bridge builders. This is evident in our onsite operations, communications, focus on construction quality and safety, across the entire business. The team understands the needs of councils, landowners, developers, farmers and insurers, clients can expect a personal, professional, and reliable approach.

Negotiations with local authorities, regional councils, KiwiRail, NZ Transport Agency, local Iwi, the Department of Conservation and Fish and Game New Zealand can be arranged on your behalf, saving you time and money.

From the ground up, our team works to ensure your project is delivered successfully and to your full satisfaction. Designed by Tiaki Engineering, our team can construct small to medium-sized bridges in the simplest forms or more complex and technically challenging builds. Bridge It NZ prides itself on being innovative, results-driven, and solutions-focused.





Bridge It NZ is the first bridge construction company in New Zealand to utilise the revolutionary Wagners Composite Fibre Technologies (WCFT).

WCFT bridges are high strength, lightweight, and uniquely suited to withstand the harshest environments while providing a low maintenance, long life asset to the local community.



Our 'only perfect will do' promise makes Bridge It the best bridge builder and it's the reason our bridges have won awards.

Pat Seuren.
Managing Director - Bridge It NZ Ltd.

Bridges for Subdivisions & Councils

Ormiston Road, Flatbush Subdivision.
18m x 6m Concrete Hollow Core.

Delivered by a team of highly-skilled experts who have an ongoing focus on providing an exceptional customer experience, Bridge It NZ delivers bridging solutions for a wide range of urban projects led by councils or developers.

This includes bridges that require special features such as safe access for school children, defined footpaths, or non-climbable handrails. When developing subdivision access, Bridge It NZ works with clients and engineering consultants to ensure optimum use of land.



**Kopurererua
Valley Cycleway.**



Case Study: McLaren Falls

Bridge It NZ worked with Tiaki Engineering to design and create a visually appealing footbridge, spanning 33m, at McLaren Falls. This bridge was no ordinary project, but we're pleased to have been involved in the development of this innovative and iconic solution for Western Bay of Plenty District Council.

The bridge features many safety and crime prevention aspects including a low-sheen stainless steel wire rope barrier that is vandal resistant and graffiti-proof. For the bridge at McLaren Falls, Bridge It NZ received the 2015 Hirepool Construction Excellence Award.



Steffert Farms - Waharoa.
14m Heavy Duty Double T Bridge.

Bridges for Farm & Forestry

The bridging needs of farmers are as varied as the farms they run. Bridge It NZ provides quality and unique bridging solutions that are efficient to build, with a focus on minimising any disruption to the natural environment.

Subject to the required loading capacity and use, farm and forestry bridges can be constructed with timber over steel beams, concrete over steel beams, or all concrete construction. Bridge It NZ will work closely with you to tailor a bridging solution that meets your exact requirements.

We can tailor a package that suits your loading constraints. All bridges are designed and constructed to meet your needs and budget.

Double T Full Concrete bridges are ideal for heavy loading requirements and low volume public roads. The full concrete design is ideal in areas where coastal or geothermal corrosion is problematic.

Concrete Deck over Steel Beam bridges are also used for heavy loading requirements and low speed, low volume public roads. On the farm, concrete deck bridges are used to carry milk tankers. With minor modifications this bridging is suitable for public roads.

Concrete deck bridges are designed to TNZ Bridge Manual Standards.

Timber Deck over Steel Beam bridges such as our CUTE bridge are more suited to reserves, stock crossings and applications for lighter vehicle loads.

Gemmel, Mangatoto.
28m Timber deck over steel beams.



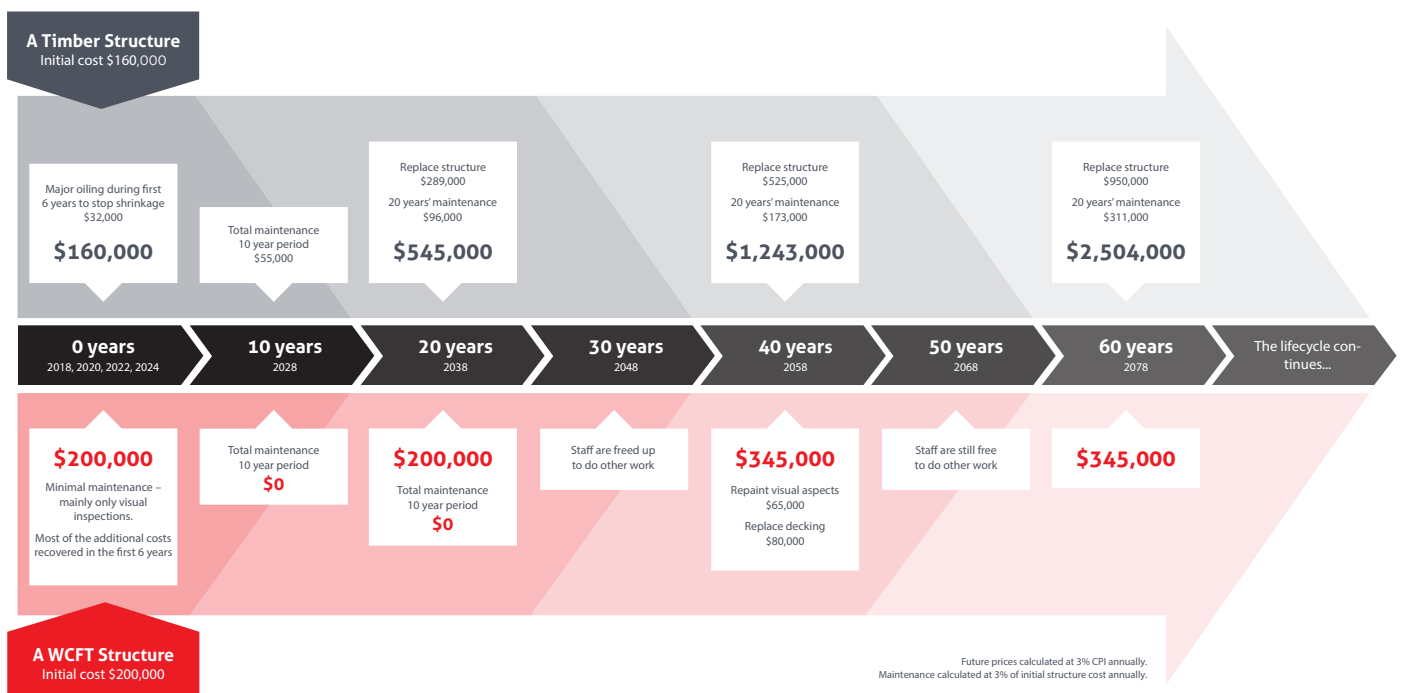
Composite Fibre Bridges WCFT

Riffle Range, bridge by Wagners using WCFT.

Built for the Conditions, Built to Last

Utilising Wagners Composite Fibre Technology (WCFT), endorses Bridge It NZ as New Zealand's leading bridge construction company.

WCFT offers high strength, light weight, and long service life as it is not prone to corrosion, rot, expansion or contraction. It is impervious to acid sulphate soils and alkaline or salt. The structures are suited to withstand the harshest environments.





WCFT bridge constructions are perfect for coastal, marine, and environmentally sensitive areas. They will not leach into waterways, while providing a low maintenance, long life asset to local communities. They require minimal maintenance, and the colour-fast fluopolymer coating promises long term colour durability. No repainting will be required for an estimated 40 years.

The colour choice is yours, allowing the bridge to align with the aesthetics of your project's environment. The design life is 100 years, making WCFT structures a cost-effective solution for the total life of your asset.

IDEAL FOR

- ▶ Pedestrian
- ▶ Cycleways
- ▶ Parks
- ▶ Golf courses
- ▶ Clip-on pedestrian/cycleways to existing bridges



*Lizard Board Walk.
By Wagners.*



*Mercy Bridge.
By Wagners.*



Concrete Flat Panel Bridges

The Lakes subdivision.
6.5m x 2.4m Concrete Flat Panel

Mulder - Kaipoi.
Concrete Flat Panel
6.5m x 3.6m.

*Wellington
Regional Council,
Riverbank Street.*
Concrete Flat Panel
6.5m x 2.4m.

Adequate pre-planning, pre-casting of elements and the use of appropriate technology in design and construction can make concrete the most cost-effective and fastest material for constructing durable, high-quality bridges.

Bridge It NZ's Flat Panel bridges provide 6.5m up to 10m span options which can be designed to New Zealand Bridge manual 0.85HN or full highway load HN HO 72. The bridge widths can be varied to work for your project requirements. Brushed finished deck provides good grip and does not require topping.

Bridge It NZ's concrete Flat Panel Bridge is designed for longevity, with a 50 year design life. These are low maintenance, durable bridges, perfectly suited for coastal locations and geothermal areas prone to corrosion.

IDEAL FOR

- ▶ Residential Access
- ▶ Farm access
- ▶ Forestry
- ▶ Low volume public roads
- ▶ Heavy loading requirements
(fully loaded truck and trailer units)



Double T Concrete Bridges

Bunnik - Matangi.
18m Heavy Duty Double T Bridge.

The heavy duty 0.85HN full concrete beam access bridge is pre-cast off site, and most bridges take just three – five days to install.

This full concrete design is especially suited to areas where coastal or geothermal corrosion can affect the lifespan of your bridge. Your bridge is ready in no time, built to drive on right away.

Double T Concrete Bridges are constructed from pre-stressed, pre-cast concrete beams with built-in continuous concrete kerbs on either side to contain and direct effluent when used on farms. The maximum axle loading is up to 7.5 tonne single axle and 15 tonne dual axle. The balustrades and pipe handrails are made from galvanised steel, and the bridges are designed to Transit New Zealand Bridge Manual Standards.



Gibbs, Rotorua.
15m Heavy Duty
Double T Bridge.

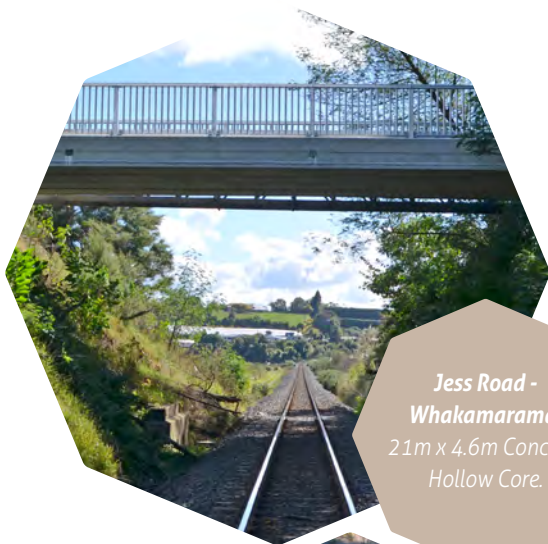
IDEAL FOR

- ▶ Farm access
- ▶ Low volume public roads
- ▶ Residential access
- ▶ Smaller Subdivisions
- ▶ Heavy loading requirements
(fully loaded truck and trailer units)



Concrete Hollow Core Bridges

Jess Road, Whakamarama.
21m x 4.6m Concrete Hollow Core



*Jess Road -
Whakamarama.*
21m x 4.6m Concrete
Hollow Core.



*Ormiston Road,
Flatbush Subdivision.*
18m x 6m Concrete
Hollow Core.

Hollow Core Concrete bridges are designed to Transit New Zealand Bridge Manual Standards, with full highway loading HN HO 72. These are ideal for subdivisions and high traffic volume requirements.

They suit a variety of spans and widths. The surface comes with a smooth and light broom top finish, providing grip for vehicles, topping concrete or an asphalt layer if required.

Pre-stressed concrete bridges are well proven to survive the test of time in the harshest of environments, and once in place, provide an immediate working platform.

IDEAL FOR

- ▶ High volume traffic requirements
- ▶ Subdivisions
- ▶ Full highway loading HN HO 72 requirements



*Johnsons - Motu River.
36m Concrete over Steel.*

Concrete Deck Steel Beam Bridges

Bridge It NZ can tailor a package that suits your loading requirements, either 0.85HN, HN HO 72 or overweight requirements.

The Steel Beam Bridge is ideal for sites that are difficult to access. Steel structures are either galvanised, zinc thermal-sprayed or painted for improved longevity.

- Pre-cast concrete decking panels
- Concrete kerbing
- Steel Beam framing for greater single span lengths
- Suitable for heavy vehicles 0.85 HN with a maximum axle loading: up to 7.5 tonne single axle and 15 tonne dual axle
- Can be designed to full highway HN HO 72 loading providing access to heavier, more frequent traffic
- Hand rails designed to your requirements
- Specifically designed to any length you need

IDEAL FOR

- ▶ Rural properties
- ▶ Subdivisions
- ▶ Forestry



*Young, Raetihi.
A relatively new 3m culvert blew out in flooding - no farm access.*

Temporary bridge gave immediate access.

New 26m concrete deck over steel.



Heavyweight Timber Deck Steel Beam Bridges

Great Barrier Island.
12m Heavy Weight Timber Over Steel Beams.

Bridge It NZ's Heavyweight Timber Deck on Steel design is a suitable option if you need bridge access for heavy farm vehicles or for your work in the forestry sector.

Timber deck provides good aesthetics for a natural environment, also allows decks of irregular widths, and is good for use of tracked vehicles and machinery. Ideal for a challenging site access, and the deck can be built on site.

- Galvanised steel balustrades and pipe handrails
- Non-climbable handrails steel or timber
- Timber kerbing
- Designed to Transit New Zealand Bridge Manual Standards
- Can be designed for .85HN (Maximum axle loading: up to 7.5 tonne single axle and 15 tonne dual axle)
- Can be designed for full highway loading HN HO 72 and overweight vehicles and machinery



Great Barrier Island.
12m Heavy weight timber over steel beams.

IDEAL FOR

- ▶ Residential access
- ▶ Farm access
- ▶ Earth work contractors
- ▶ Forestry
- ▶ Private roads



Waihi Beach Reservoir.
10m Light Weight Timber Deck.

Lightweight Timber Deck Steel Beam Bridges

The lightweight Timber Deck on Steel design is your most economical option. If you need bridge access for light vehicles but there is no need for heavy traffic to pass, then this bridge design is your most cost-effective solution.

This bridge is a great solution for cycleways and pedestrian bridge requirements. An increasing number of developers and councils are recognising the suitability and affordability of these bridges when searching for solutions that improve access for local communities.

- Non-climbable handrails and other safety features can be added
- Maximum axle loading: up to 2 tonne per axle, 2.4m wide
- Width can be increased for cycleway and pedestrian bridges

IDEAL FOR

- ▶ Light traffic
- ▶ Pedestrians or Cycleways
- ▶ Reserves



University
of Canterbury.
SB TD Non-climbable.



CUTE Bridges

Scott - Waihi.
20m CUTE Bridge - steel handrails.



If you need bridge access for light farm vehicles such as utes and quad bikes as well as livestock but there is no need for heavy traffic to pass, then this lightweight Timber Deck on Steel bridge design will fit your needs. Purposely designed for cattle and light farm traffic, aka cow and ute, Bridge It NZ has named it CUTE.

Farmers are increasingly encouraged to protect our waterways, and Bridge It NZ offers an innovative solution to keep stock and effluent away from the water. The CUTE Bridge is a cost-effective, fully installed engineered solution for your farm.

- Low cost wooden deck, steel truss bridge
- Comfortably takes livestock, utes, quad bikes
- Handrails and other safety features can be added
- Maximum axle loading: up to 2 tonne per axle, 2.4m wide



**Alderson,
Dannevirke.**
18m CUTE Bridge.

IDEAL FOR

- ▶ Light farm traffic
- ▶ Stock crossings



*Waimahanga Cycleway – Whangarei District Council.
24m & 21m Glulam Timber Beam Bridges.*

Laminated Timber Bridges

In timber engineering and especially for bridge construction, bringing together an attractive design and meaningful structure is top of mind. Glued laminated timber (glulam) is a type of structurally engineered wood product comprising several layers of dimensioned timber bonded together with durable adhesives.

The high strength-to-weight ratio of laminated timber gives a lightweight, sturdy bridging solution. Bridges are designed for pedestrian and cyclists.

IDEAL FOR

- ▶ Cycleways
- ▶ Pedestrian access
- ▶ Parks and Reserves

*Alfred Cox cycle
and walkway -
Gisborne City Council.
22m laminated timber
pedestrian bridge.*



Temporary Bridges, Bridge Repair & Refurbishment



12m Temporary bridge.

Emergency and Temporary Bridges

Whether you need temporary access to a site, or need a bridge solution following a flood or other natural disaster, Bridge It NZ has a customised temporary bridging solution that fits your needs.

Bridge It NZ has the advantage of designing, producing and stocking temporary bridges in-house which enables us to keep rigid quality controls and tailor to suit a broad range of clients, loading capacities and spans, not to mention – act quickly.

Temporary bridges can also be used in subdivision development, or when there is a need to move heavy loads to remote locations. Please contact the Bridge It NZ team to discuss your requirements as we are sure to find a solution for heavy, medium or light loads that fits your needs.

Bridge Repair and Refurbishment

Your existing bridge structure may only need repairing or refurbishing, and a range of repairs can be carried out on all types of bridges.

Sound but rusty steel work can be sandblasted and protected for the future, and existing beams and abutments can be strengthened. Coupled with re-decking, this can improve the load capacity of an existing bridge, without building a brand new one.

Bridge It NZ's experienced engineers can assess existing structures and discuss options for refurbishment:

- Strip and replace existing bridge planks
- Repair or reinforce existing bridge foundations
- Sandblast and/or repair existing bridge steelworks
- Advise you on the best options available



**Strengthening of Goldfields
Railway Bridge -Waihi.**
Steel Beam Timber Deck.

Bridge Planning & Building Process

Bridge It NZ provides total management of your project, including site investigation and assessment, full design, fabrication and installation, resource and building consents, Code of Compliance certification and traffic management plans. Consultation with local and regional councils, telecommunications and utility providers will be conducted to ensure all requirements are met.

Councils, fertiliser companies, dairy companies and contractors are revisiting their procedures and now require current bridge certification, which is especially important when existing bridge structures are ageing.

Bridge Insurance Assessments

The Bridge It NZ team can carry out risk assessments of existing bridging structures and cost valuations so that indemnity values can be established. Assessments of repair and replacement costs for insurance policies can also be arranged.

Policies, memberships & associations

- Member of the Civil Contractors New Zealand
- Site Safe Certified
- Comprehensive Public Liability Insurance

Let us Manage the Details



Site
Investigation
& Assessment



Full Design,
Drawings,
Fabrication &
Installation



Resource
& Building
Consents



Compliance
Certification



Funding
Application
Assistance



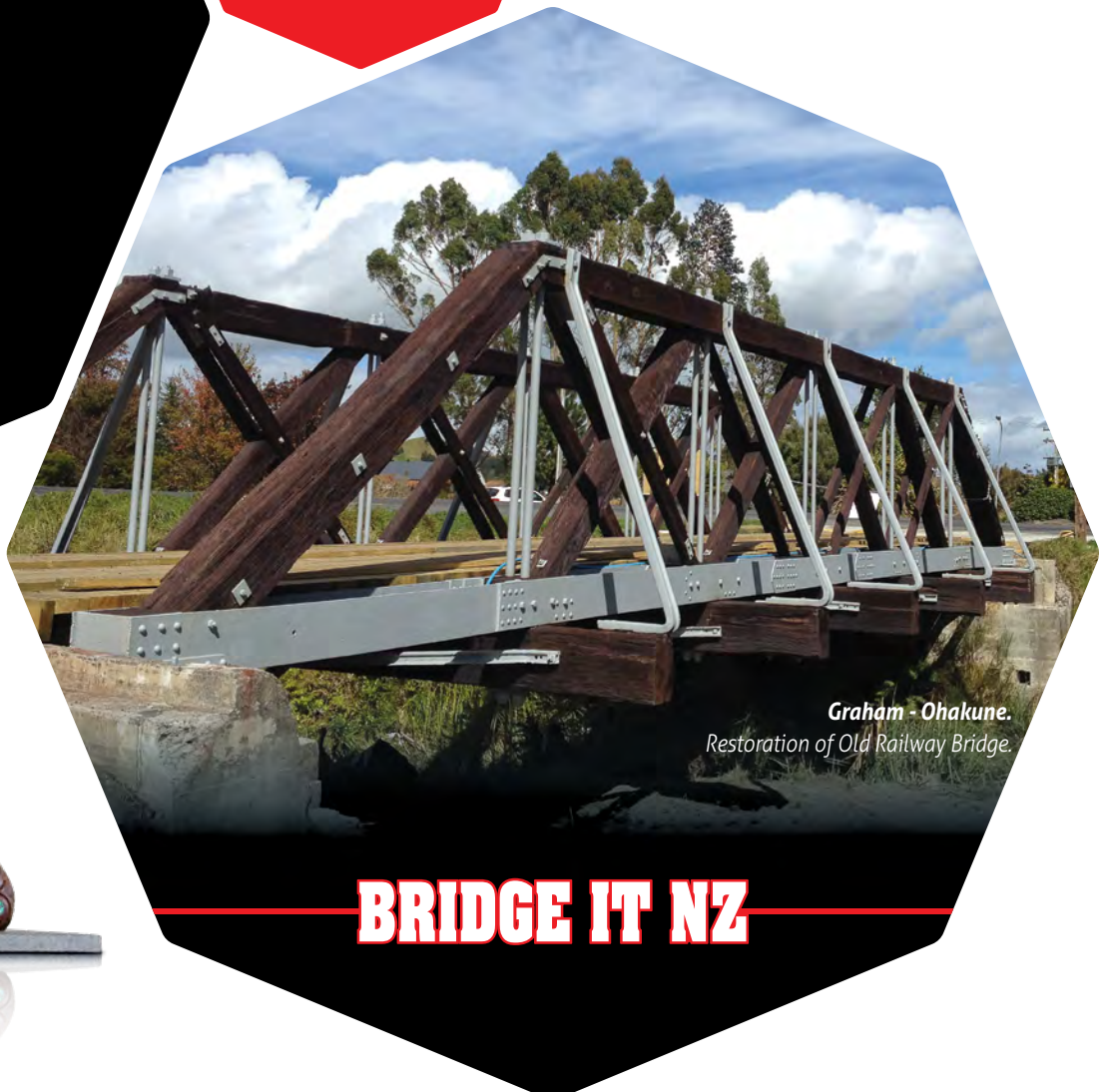
TRAC
Management
Plans

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*Bridges uniquely
designed and
engineered to fit your
location and exact
requirements.*



*Graham - Ohakune.
Restoration of Old Railway Bridge.*

