From: BDC Lgoima
To: [redacted]
Subject: Official Information Request for Buller Bridge Information Ref: OIA 107/23
Date: Tuesday, 14 November 2023 8:14:00 am
Attachments: REEFTON SUSPENSION BRIDGE Buller District Council - Parks and Reserves 25-10-2023.pdf
Fox River Bridge Buller District Council - Parks and Reserves 25-10-2023.pdf
MOKIHINUI PEDESTRIAN BRIDGE Buller District Council - Parks and Reserves 25-10-2023.pdf
HAMPTONS ROCK Buller District Council - Parks and Reserves 25-10-2023.pdf
BLACKS POINT SUSPENSION BRIDGE Buller District Council - Parks and Reserves 25-10-2023.pdf
BDC - TOKI POUTANGATA BRIDGE.pdf
image006.png

Dear [redacted]

We refer to your official information request dated 18 October 2023 for information regarding bridges in Buller. You asked for the below information:

> *Objective:*
> *We're trying to establish the total bridge market size in the region.*
>
> *We are interested in cycle, pedestrian and service bridges. If it helps, we are not interested in main road, two way car bridges.*
>
> *To do this we require the below information please. It would be super helpful if it was in a csv or spreadsheet format to help us filter. Thanks again!*
>
> *The data we are looking for:*
> *material bridge made out of*
> *value of asset*
> *cost of build*
> *cost of replacement*
> *Year of build*
> *design life*
> *Expected rebuild/replacement date*
> *Size*
> *Who built the bridge (i.e the civil contractor) and or if different*
> *Who supplied the bridge (won the contract).*
> *cost of replacement (broken down by earthworks vs structure cost if known)*
> *Can we get this broken down by*
> *Service bridge vs non service (i.e service, pedestrian, cycle, etc..)*
> *Bridge type (boardwalk, clip on, suspension bridge plus any other types you have)*
> *Importantly, if avaliable any forecasting data you have on bridge building for the next 5 years. What bridges are you expecting to a) build or rebuild, and b) upgrade/repair*

The information you have requested is attached and below:

BDC has following 6 Pedestrian/foot bridges on BDC asset register as noted in following table.

Road controlling authority (RCA)	*Location*	*Type*	*Bridge ID*	*Bridge name*	*Status*
Buller District Council	*Auld Street*	*Footbridge*	*1001*	*BLACKS POINT SUSPENSION BRIDGE*	*Maintained by BDC*
Buller District Council	*BEACH RD (Charleston)*	*Footbridge*	*169*	*HAMPTONS ROCK*	***currently closed due to storm damage Feb 22***
Buller District Council	*MOKIHINUI ROAD*	*Footbridge*	*177*	*MOKIHINUI PEDESTRIAN BRIDGE*	***This Bridge has been Removed when Burkes Ford was washed out in 2022 flood***
Friends of the fox river bridge society	*SH6*	*Footbridge*	*170*	*FOX RIVER BRIDGE*	*Currently closed and Transferred to friends of the fox river bridge society*
Buller District Council	*SH6*	*Footbridge*	*1000*	*REEFTON SUSPENSION BRIDGE*	***Pedestrian/other trust interests/***
					Pedestrian

Buller District Council	*Adderley street*	*Footbridge*	*TBC*	TOKI POUTANGATA BRIDGE	*bridge*
				Total 6 structures	

To provide all the requested information, I have attached a separate pdf for each bridge listed in table above.
Some of the requested information is not available in the BDC system as most of the bridges are constructed approx. 40-50 years back.
Kawatiri coastal trail Trust (KCT) have recently built a number of foot/cycle bridges in Westport, these bridges are privately owned and maintained by the KCT trust.
If you could contact KCT trust office, you will get most up to date construction data.
https://kawatiricoastaltrail.co.nz/contact/

You have the right to seek an investigation and review by the Ombudsman of this decision. Information about how to make a complaint is available at www.ombudsman.parliament.nz or freephone 0800 802 602.

If you wish to discuss this decision with us, please feel free to contact the Buller District Council by return email to lgoima@bdc.govt.nz.

Please note that it is our policy to proactively release our responses to official information requests where possible. Our response to your request will be published shortly at https://bullerdc.govt.nz/district-council/your-council/request-for-official-information/responses-to-lgoima-requests/ with your personal information removed.

Kind regards

Michael Duff | Group Manager Infrastructure Services
DDI 037889646 | Mobile 027 543 9604 | Email Michael.Duff@bdc.govt.nz

Buller District Council | Phone 0800 807 239 | bullerdc.govt.nz
PO Box 21 | Westport 7866

Community Driven | One Team | Future Focused | Integrity | We Care

BULLER
DISTRICT COUNCIL
Te Kaunihera O Kawatiri

TOKI POUTANGATA BRIDGE

THE RIVERBANK PROJECT

WESTPORT WATERFRONT REVITALISATION

TOKI POUTANGATA BRIDGE FACT FILE:

- Designed by DC Structures Studio
- Tapering truss max. height 5.8m
- Total overall width 3.1m
- Total overall length 38m
- Span between bearings 29m
- Full lift weight 24 tonnes
- Deck height 5.4m above ground
- Ramp linear walk length 77m
- Grade 1:12, rest zones every 9m
- Walkway width 2.5m & 2.3m
- FRP non-slip decking 28mm thick

Photos: Nomad AV

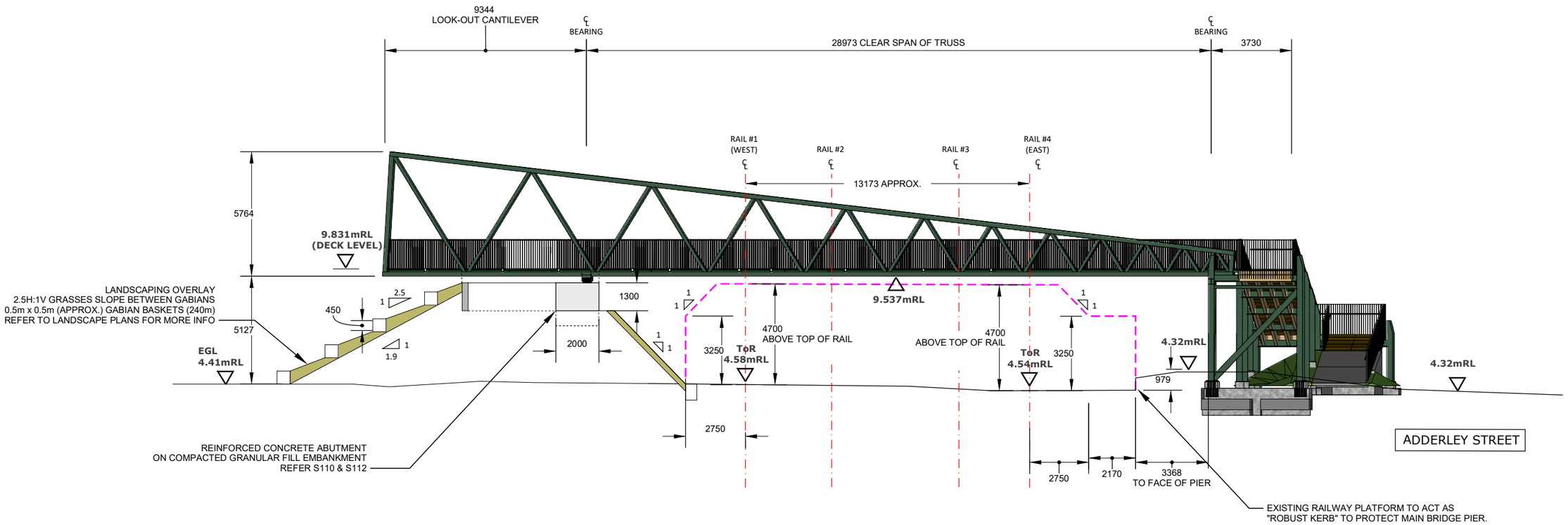
INSIGHT FOR OTHER LOCAL AUTHORITIES

The true insight and reward for local authorities to gain from this project is the opportunity and benefit from working closely with iwi. Toki Poutangata shows how the simple idea of a functional asset, such as a bridge, when approached with openness, trust and mutual respect can evolve relationships through shared values and visions, which ultimately deliver far more utility and meaning than ever envisaged. What could have been a simple technical structure has been transformed into an iconic, symbolic landmark that now represents the bridging of friendship, partnership and togetherness, and highlights what is most important between Council, Ngāti Waewae and our communities.

He tangata, he tangata, he tangata. It is the people, it is the people, it is the people.

BULLER
DISTRICT COUNCIL
Te Kaunihera O Kawatiri

PLOT DATE: February 25, 2022



BRIDGE ELEVATION (FROM SOUTH LOOKING NORTH)

BE | S100 *1:200 @ A3*

AS-BUILT MEASURED CLEARANCES OVER RAILWAY
SURVEY DONE 10 FEB 2022
TAKEN UNDERSIDE OF BOTTOM CHORD TO TOP OF RAIL:

RAIL #1 = 4870mm NORTH // 4890mm SOUTH
RAIL #2 = 4960mm NORTH // 4960mm SOUTH
RAIL #3 = 5000mm NORTH // 4980mm SOUTH
RAIL #4 = 5080mm NORTH // 5060mm SOUTH

NOTES (APPLICABLE TO ALL DRAWINGS):

1 - GENERAL NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL DRAWINGS LISTED ON THE COVER SHEET.
3. COORDINATES IN TERMS OF NZTM 2000. LEVELS IN TERMS OF LYTTELTON VERTICAL DATUM 1937.

2 - DESIGN LOADING:

LOADINGS SUMMARISED BELOW:

VERTICAL LOADING:

LOAD TYPE	LOAD	SLS FACTOR	ULS FACTOR
STEEL WT.	77 kN/m³	1.0	1.35
DECK WT.	0.15 kN/m³	1.0	1.35
LIVE LOAD	5 kPa	1.0	1.76

BARRIER LOADING:

LOADINGS ARE BASED ON NZTABM APPENDIX B SUMMARISED BELOW.:

LOAD TYPE	LOAD	SLS	ULS
TOP RAIL	1.75 KN/M	1.0	1.8
INFILL	1.5 KPA	1.0	1.8

SEISMIC CRITERIA:

CRITERIA AS PER AS/NZS1170.5:

IMPORTANCE FACTOR	2
DESIGN LIFE	100 YEARS
ULS RETURN PERIOD	500 YEARS (Ru = 1.0)
ZONE FACTOR	0.30
SOIL CLASS	D
PERIOD OF VIBRATION	<0.5 SECS
DUCTILITY	μ = 1.00

RAILWAY IMPACT:

500KN IMPACT LOAD APPLIED AT BOTTOM CHORD CENTRE AT EACH RAILWAY CENTRE LINE FROM NORTH OR SOUTH DIRECTION (ONLY ONE IMPACT PER CASE).

APPLIED AS PER NZTABM COMBINATION ULS3C.

WIND LOADING:

THE DESIGN GUST WIND SPEEDS ACTING ON THE BRIDGE ARE DERIVED FROM SECTION 3.4.5 OF THE NZTA BRIDGE MANUAL, AS / NZS 1170.2 AND BD37/01.

NZS1170.2 SLS (1/25) AND ULS (1/500) WIND SPEEDS = 28.0 AND 34m/s RESPECTIVELY.

WHEN CONSIDERING WIND + LIVE LOAD EFFECTS (AND ALLOWING FOR 1.25m SOLID HEIGHT ABOVE DECK) THE WIND SPEED IS LIMITED TO 22m/s (80 Km/hr) FOR ULS AND SLS EVENTS.

3 - MAINTENANCE AND INSPECTION:

1. BRIDGE INSPECTION AND REPORTING SHALL BE IN ACCORDANCE WITH THE *NZTA BRIDGE INSPECTION POLICY TNZ S6-2000* WHICH REFERENCES THE DEPARTMENT OF TRANSPORT (UK) *BRIDGE INSPECTION GUIDE, (DOT, 1983).*
2. AS PER TNZ S6-2000 A "GENERAL INSPECTION" SHALL BE CARRIED OUT EVERY 2 YEARS AND A "DETAILED INSPECTION" EVERY 6 YEARS.
3. THE DETAILED INSPECTION SHALL BE PERFORMED BY A SUITABLY QUALIFIED BRIDGE INSPECTOR OR BRIDGE ENGINEER (AS PER TNZ S6-2000). IT IS RECOMMENDED THAT THE DETAILED INSPECTION (EVERY 6 YEARS) IS CARRIED OUT BY A BRIDGE ENGINEER WITH FAMILIARITY WORKING WITH STEEL AND TIMBER STRUCTURES.
4. THE INSPECTIONS SHALL RECORD ANY REQUIRED MAINTENANCE/REPLACEMENT ACTIVITIES AND THEN BE FORWARDED TO THE MAINTENANCE TEAMS FOR COMPLETION WITHIN A PRE-SET TIMEFRAME.
5. TO IMPROVE AWARENESS OF DESIGN LIVES, SPECIFICATIONS, AND GENERAL DETAILS OF REPLACEABLE ITEMS, PLEASE REFER TO THE MAINTENANCE SCHEDULE OPPOSITE. THE INTENTION OF THIS TABLE IS TO IDENTIFY KEY INSPECTION ITEMS.
6. THE MAINTENANCE TABLE ALSO ENABLES INSPECTION TEAMS TO APPRECIATE "WHEN" THE DESIGNERS ARE ANTICIPATING THAT STEELWORK IS TO BE RECOATED, TIMBER REPLACED, FRP REPLACED, ETC. THIS SHOULD PREVENT THE INSPECTOR NEEDING TO AIR ON THE SIDE OF CAUTION (WHEN SUCH INFORMATION IS NOT OTHERWISE PRESENTED).
7. IT IS STRONGLY RECOMMENDED THAT THE "POUTANGATA BRIDGE DESIGN STATEMENT" SHALL BE READ PRIOR TO ANY SIGNIFICANT CHANGES BEING MADE TO THE BRIDGE (E.G. ADDITIONAL SERVICES BEING ADDED, CHANGE OF BALUSTRADES, ETC.).
8. KIWIRAIL WILL ALSO BE CARRYING OUT ANNUAL GENERAL INSPECTIONS AS PER THE KIWIRAIL INSPECTION STANDARD AS REQUIRED FOR ALL 3RD PARTY BRIDGE ACCROSS RAILWAY CORRIDOR. IT IS ENVISAGED THAT BDC MIGHT WANT TO COORDINATE THIS WITH KIWIRAIL TO PREVENT UNECESSARY DOUBLING UP OF GENERAL INSPECTIONS.

INSPECTION/MAINTENANCE ACTIVITY	REPLACEMENT	REFERENCE
RE-APPLY / CLEAN ANTI-GRAFITTI CONCRETE COATINGS	AS REQUIRED	NOTE 6. S112
RE-APPLY / CLEAN GLULAM BEAM COATINGS	AS REQUIRED FOR COSMETICS	S140
REPAIR / RE-APPLY STEELWORK ANTI-CORROSION SYSTEM	≤ 40 YEARS	S120
INPSECT AND/OR REPLACE FRP DECKING	≤ 50 YEARS	S102
REPLACE GLULAM TIMBER BEAMS	≤ 50 YEARS	S140
JACK BRIDGE AND REPLACE WESTERN ELASTOMERIC BEARINGS	≤ 50 YEARS	S112 & S116

BRIDGE MAINTENANCE SCHEDULE

MS | -

REV	DESCRIPTION	DATE	DESIGN	DRAWN	APPROVED
A	CONCEPT DESIGN	JULY 20	DC	PS	DC
B	PRELIM DESIGN	SEP 20	DC	PS	DC
C	85% KIWIRAIL REVIEW	NOV 20	DC	PS	DC
D	FOR FINAL REVIEW	FEB 21	DC	PS	DC
E	FOR CONSTRUCTION	APR 21	DC	PS	DC
F	AS BUILT	FEB 22	DC	PS	DC

DO NOT SCALE. IF IN DOUBT ASK

RILEY CONSULTANTS
DC STRUCTURES STUDIO

BULLER DISTRICT COUNCIL
Te Kaunihera O Kawatiri

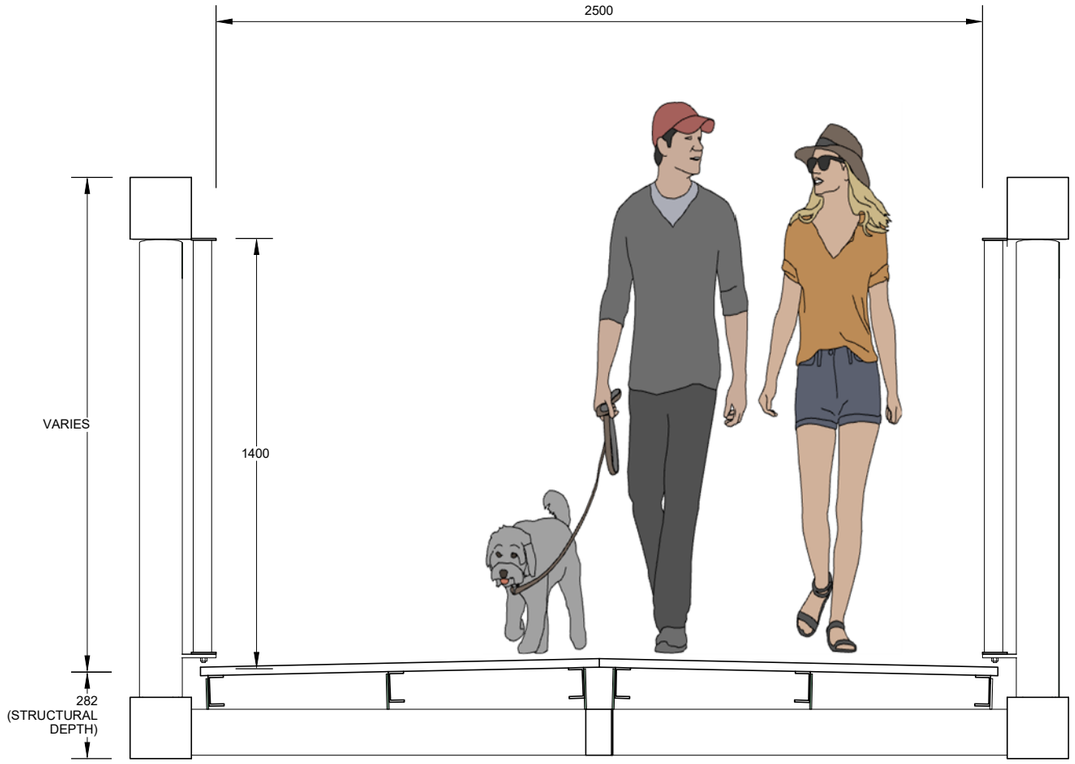
PROJECT
WESTPORTWATEFRONT
KIWIRAIL BRIDGE REFERENCE
BRIDGE 1 WPTIL

AS BUILT DRAWINGS

WESTPORT WATERFRONT
TOKI POUTANGATA BRIDGE
BRIDGE ELEVATION

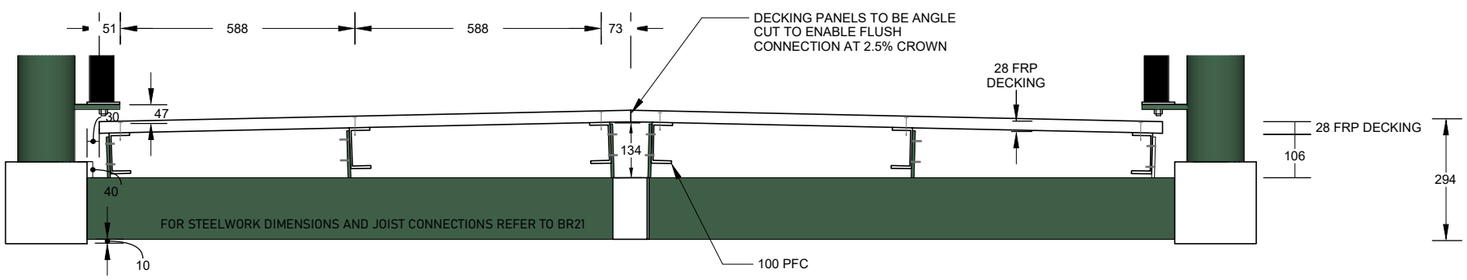
DWG: BDC_2020/07_S101

S101
Rev F



STEEL TRUSS WALKWAY CROSS SECTION

TX	BR03 BR04 BR05	*1:20 @ A3*



STEEL JOISTS AND DECKING DETAIL

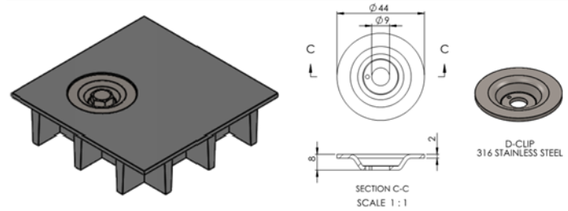
DX	-	*1:15 @ A3*

NOTES:

1. REFER TO DRAWINGS S120 TO S123 FOR ALL SUPERSTRUCTURE STEELWORK.
2. REFER TO DRAWING S140 FOR ALL TIMBER NOTES.

FRP DECKING AND FIXINGS:

1. FIBRE REINFORCED POLYMER (FRP) DECKING TO BE POLYESTER RESIN (O-SEIRES) OR ISOTHALIC RESIN (I-SERIES) PROVIDED BY "TREADWELL NZ" (OR ALTERNATIVE AS APPROVED BY ENGINEER) SUPPLIED WITH A MINIMUM 10 YEAR WARRANTY.
2. PANELS ARE TO BE 25mm THICK 38x38 FRP GRID WITH A 3mm SOLID PANEL TOPPING (28mm TOTAL DEPTH).
3. PANEL COLOURS TO BE:
   TRUSS = "FERN GREEN" (RAL 6025)
   RAMPS = "OLIVE BROWN" (RAL 8008)
4. INDEPENDENT LABORATORY TESTING IS TO BE PERFORMED, AND CERTIFIED BY A CPEng ENGINEER OR RECOGNISED TESTING LAB, TO CONFIRM:
   A. ULS STRENGTH USING A LOAD FACTOR OF 1.76 FOR: 5KPA LIVE LOAD APPLIED OVER THE WHOLE PANEL;
   B. 5KPa DEFLECTIONS < SPAN/200 = 3mm;
   C. WET PENDULUM (SLIP RESISTANCE) TESTING AS/NZS 4586 2004 SRV >39
   D. ≥ 50 YEARS DURABILITY / UV EXPOSURE
5. FIXINGS FOR ATTACHING FRP TO THE STEEL JOISTS WILL BE SS316 M8 BOLT TAPPED INTO PFC (E.G. ANZOR "BUTTON HEAD SOCKET SCREWS" SSHBM) IN COMBINATION WITH SS316 D-CUP WITH 9mm ORIFICE. USE SIKALASTOMER 511 (BUTYL RUBBER ISOLATING SYSTEM) GREASE ON BOLT SHANK AND BACK OF HOLE TO MAINTAIN CORROSION PROTECTION. JOIST TO BE FABRICATED AND PAINTED WITHOUT HOLES. FRP PANEL TO BE FITTED OVER COMPLETED TRUSS. HOLES TO BE DRILLED AND TAPPED FOR AN M8 BOLT. FRP PANEL TO BE REMOVED AND HOLE TO BE CLEANED UP (ALL DRILL DUST AND BURRS TO BE REMOVED ETC.). TOUCH UP ANY MAJOR PAINT DEFECTS AS REQUIRED. RE-ALIGN FRP PANELS AND FIX DOWN. FIXINGS ARE REQUIRED ALONG EACH JOIST. REFER TF/S122 FOR FIXING PATTERN.
6. FIXINGS FOR ATTACHING THE FRP PANELS TO THE GLULAM BEAMS WILL BE A 14g (M6.3) X 150mm SS316 SELF-TAPPING HEX WASHER FACE T17 TOP SCREW (ANZOR #SSTHG14-150T17). BE FIXED ~460mm. REFER S100. HOLES TO BE PREDRILLED. FIXINGS ALONG EACH BEAM TO
7. FIXINGS WILL BE COUNTERSUNK INTO THE FRP DECK PANELS USING A 44DIA SS316 "D-CUP" WASHER WITH 9mm ORIFICE (REFER FIGURE BELOW).



REV	DESCRIPTION	DATE	DESIGN	DRAWN	APPROVED
A	NOT USED				
B	PRELIM DESIGN	SEP 20	DC	PS	DC
C	85% KIWIRAIL REVIEW	NOV 20	DC	PS	DC
D	FOR FINAL REVIEW	FEB 21	DC	PS	DC
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PROJECT
WESTPORTWATERFRONT
KIWIRAIL BRIDGE REFERENCE
BRIDGE 1 WPTIL

AS BUILT DRAWINGS

WESTPORT WATERFRONT
TOKI POUTANGATA BRIDGE
BRIDGE CROSS SECTIONS

DWG: BDC_2020/07_S102

S102
Rev F

Buller District Council - Parks and Reserves

STRUCTURE INVENTORY

Footbridge 1001 BLACKS POINT SUSPENSION BRIDGE

Location Details

RAMM / Alt. Database ID:	
Road Name:	Auld Street
Waterway Name:	inangahua river
RMU:	Local Authority
Displ:	(km)
Map Reference 1:	
Map Reference 2:	

Structure & Materials

Structure Type:	Footbridge
Cross Section Of Superstructure:	Other
Long Section Of Superstructure:	Suspension
Deck Material:	Timber, Transverse Planks
Wearing Surface On Deck:	Timber
Beam type:	Rectangular beams
Beam Material:	Timber
Expansion Joint Type:	None
Bearing Type:	Not Applicable
Abutment Type:	Concrete, Unknown
Pier Type:	None
Foundations:	Unknown
Length:	50 metres
Spans (No./Length or diameter(m)):	1/50.0

General View

General

Year Constructed:	
Design Loading:	Unknown
Drawing Reference:	
Local Description:	

Valuation

Remaining Useful Life:	10
Replacement Cost:	
Optimised Depreciated Replacement Cost:	
Annual St Line Depreciation:	

Load Restrictions

Max Axle Weight:	(kg)
Max Gross Weight:	(%Class1)
Max Gross Weight(kg):	(kg)
Speed Limit:	(km/h)
Max Height:	metres

Utilities

Water:	N/A	Electric(O/Head):	N/A
Gravity Sewer:	N/A	Telecom(U/Ground):	N/A
Pressure Sewer:	N/A	Telecom(O/Head):	N/A
Stormwater:	N/A	Streetlights:	N/A
Gas:	N/A	Fibre Optic:	N/A
Electric(U/Ground):	N/A		

Geometrics, Safety & Footpaths

No. of Lanes:		Handrail Type:	Steel Wire Rope barrier
Skew Angle:	degrees	Height of Handrails:	0.8 metres
Approach Guardrails:	None	Clear Width Between Handrail Tops:	1.1 metres
Kerb Or Guardrail Height:	metres	Footway Width - True LHS:	metres
Road Width Between Kerb/Guardrails:	metres	Footway Width - True RHS:	metres

Detail View

Waterway View

Buller District Council - Parks and Reserves

STRUCTURE INVENTORY

Footbridge 170 Fox River Bridge

Location Details

RAMM / Alt. Database ID:	
Road Name:	SH6
Waterway Name:	Fox River
RMU:	Local Authority
Displ:	(km)
Map Reference 1:	
Map Reference 2:	

Structure & Materials

Structure Type:	Footbridge
Cross Section Of Superstructure:	Timber single span
Long Section Of Superstructure:	Simple Spans
Deck Material:	Timber, Transverse Planks
Wearing Surface On Deck:	Timber
Beam type:	Rectangular beams
Beam Material:	Timber
Expansion Joint Type:	Air Gap
Bearing Type:	Timber
Abutment Type:	Timber
Pier Type:	Timber
Foundations:	Driven piles, timber
Length:	metres
Spans (No./Length or diameter(m)):	

General

Year Constructed:	1929
Design Loading:	Unknown
Drawing Reference:	
Local Description:	Fox River Bridge

Valuation

Remaining Useful Life:	0
Replacement Cost:	
Optimised Depreciated Replacement Cost:	
Annual St Line Depreciation:	

Load Restrictions

Max Axle Weight:	(kg)
Max Gross Weight:	(%Class1)
Max Gross Weight(kg):	(kg)
Speed Limit:	(km/h)
Max Height:	metres

Utilities

Water:	N/A	Electric(O/Head):	N/A
Gravity Sewer:	N/A	Telecom(U/Ground):	N/A
Pressure Sewer:	N/A	Telecom(O/Head):	N/A
Stormwater:	N/A	Streetlights:	N/A
Gas:	N/A	Fibre Optic:	N/A
Electric(U/Ground):	N/A		

Geometrics, Safety & Footpaths

No. of Lanes:	1	Handrail Type:	Timber Post with Wire
Skew Angle:	degrees	Height of Handrails:	metres
Approach Guardrails:	None	Clear Width Between Handrail Tops:	metres
Kerb Or Guardrail Height:	metres	Footway Width - True LHS:	metres
Road Width Between Kerb/Guardrails:	metres	Footway Width - True RHS:	metres

NO IMAGE FOUND

General View

NO IMAGE FOUND

Detail View

NO IMAGE FOUND

Waterway View

Buller District Council - Parks and Reserves
STRUCTURE INVENTORY
Footbridge 169 HAMPTONS ROCK

Location Details

RAMM / Alt. Database ID:	
Road Name:	BEACH RD (FAIRDOWN)
Waterway Name:	
RMU:	Local Authority
Displ:	(km)
Map Reference 1:	2381024 5922795
Map Reference 2:	

Structure & Materials

Structure Type:	Footbridge
Cross Section Of Superstructure:	Slab
Long Section Of Superstructure:	Monolithic with support
Deck Material:	Concrete, Unknown
Wearing Surface On Deck:	Concrete
Beam type:	Unknown
Beam Material:	Concrete, Unknown
Expansion Joint Type:	None
Bearing Type:	Not Applicable
Abutment Type:	Formed by foundations
Pier Type:	None
Foundations:	Spread footing
Length:	metres
Spans (No./Length or diameter(m)):	

General View

General

Year Constructed:	
Design Loading:	
Drawing Reference:	
Local Description:	HAMPTONS ROCK CHARLESTON

Valuation

Remaining Useful Life:	5
Replacement Cost:	
Optimised Depreciated Replacement Cost:	
Annual St Line Depreciation:	

Load Restrictions

Max Axle Weight:	(kg)
Max Gross Weight:	(%Class1)
Max Gross Weight(kg):	(kg)
Speed Limit:	(km/h)
Max Height:	metres

Utilities

Water:	N/A	Electric(O/Head):	N/A
Gravity Sewer:	N/A	Telecom(U/Ground):	N/A
Pressure Sewer:	N/A	Telecom(O/Head):	N/A
Stormwater:	N/A	Streetlights:	N/A
Gas:	N/A	Fibre Optic:	N/A
Electric(U/Ground):	N/A		

Geometrics, Safety & Footpaths

No. of Lanes:		Handrail Type:	Steel Wire Rope barrier
Skew Angle:	degrees	Height of Handrails:	metres
Approach Guardrails:	None	Clear Width Between Handrail Tops:	0.6 metres
Kerb Or Guardrail Height:	metres	Footway Width - True LHS:	metres
Road Width Between Kerb/Guardrails:	metres	Footway Width - True RHS:	metres

Detail View

Waterway View

Buller District Council - Parks and Reserves
STRUCTURE INVENTORY
Footbridge 177 MOKIHINUI PEDESTRIAN BRIDGE

Location Details

RAMM / Alt. Database ID:	
Road Name:	MOKIHINUI ROAD
Waterway Name:	Burkes creek
RMU:	Local Authority
Displ:	(km)
Map Reference 1:	
Map Reference 2:	

Structure & Materials

Structure Type:	Footbridge
Cross Section Of Superstructure:	Timber single span
Long Section Of Superstructure:	Simple Spans
Deck Material:	Timber, Transverse Planks
Wearing Surface On Deck:	Timber Deck Planks
Beam type:	Rectangular beams
Beam Material:	Timber
Expansion Joint Type:	None
Bearing Type:	Not Applicable
Abutment Type:	Timber
Pier Type:	Timber
Foundations:	Driven piles, timber
Length:	metres
Spans (No./Length or diameter(m)):	1/13.1

General View

General

Year Constructed:	
Design Loading:	Other
Drawing Reference:	
Local Description:	

Valuation

Remaining Useful Life:	15
Replacement Cost:	
Optimised Depreciated Replacement Cost:	
Annual St Line Depreciation:	

Load Restrictions

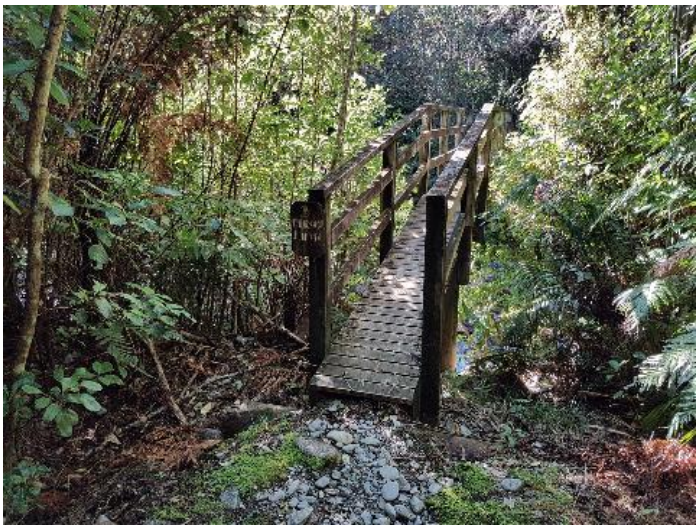
Max Axle Weight:	(kg)
Max Gross Weight:	(%Class1)
Max Gross Weight(kg):	(kg)
Speed Limit:	(km/h)
Max Height:	metres

Utilities

Water:	N/A	Electric(O/Head):	N/A
Gravity Sewer:	N/A	Telecom(U/Ground):	N/A
Pressure Sewer:	N/A	Telecom(O/Head):	N/A
Stormwater:	N/A	Streetlights:	N/A
Gas:	N/A	Fibre Optic:	N/A
Electric(U/Ground):	N/A		

Geometrics, Safety & Footpaths

No. of Lanes:		Handrail Type:	Timber Post and Rail
Skew Angle:	degrees	Height of Handrails:	0.9 metres
Approach Guardrails:	None	Clear Width Between Handrail Tops:	0.6 metres
Kerb Or Guardrail Height:	metres	Footway Width - True LHS:	metres
Road Width Between Kerb/Guardrails:	metres	Footway Width - True RHS:	metres



Detail View

Waterway View

Buller District Council - Parks and Reserves
STRUCTURE INVENTORY
Footbridge 1000 REEFTON SUSPENSION BRIDGE

Location Details

RAMM / Alt. Database ID:	
Road Name:	SH6
Waterway Name:	inangahua river
RMU:	Local Authority
Displ:	(km)
Map Reference 1:	
Map Reference 2:	

Structure & Materials

Structure Type:	Footbridge
Cross Section Of Superstructure:	Other
Long Section Of Superstructure:	Suspension
Deck Material:	Timber, Transverse Planks
Wearing Surface On Deck:	Timber
Beam type:	Rectangular beams
Beam Material:	Timber
Expansion Joint Type:	None
Bearing Type:	Not Applicable
Abutment Type:	Concrete, Unknown
Pier Type:	Concrete, Unknown
Foundations:	Unknown
Length:	46 metres
Spans (No./Length or diameter(m)):	1/46.0

General

Year Constructed:	
Design Loading:	Unknown
Drawing Reference:	
Local Description:	Power House Walk Suspension Bridge

Valuation

Remaining Useful Life:	5
Replacement Cost:	
Optimised Depreciated Replacement Cost:	
Annual St Line Depreciation:	

Load Restrictions

Max Axle Weight:	(kg)
Max Gross Weight:	(%Class1)
Max Gross Weight(kg):	(kg)
Speed Limit:	(km/h)
Max Height:	metres

Utilities

Water:	N/A	Electric(O/Head):	N/A
Gravity Sewer:	N/A	Telecom(U/Ground):	N/A
Pressure Sewer:	N/A	Telecom(O/Head):	N/A
Stormwater:	N/A	Streetlights:	N/A
Gas:	N/A	Fibre Optic:	N/A
Electric(U/Ground):	N/A		

Geometrics, Safety & Footpaths

No. of Lanes:		Handrail Type:	Other
Skew Angle:	degrees	Height of Handrails:	1 metres
Approach Guardrails:	None	Clear Width Between Handrail Tops:	0.9 metres
Kerb Or Guardrail Height:	metres	Footway Width - True LHS:	metres
Road Width Between Kerb/Guardrails:	metres	Footway Width - True RHS:	metres

NO IMAGE FOUND

General View

Detail View

Waterway View