



Office of Hon Simon Bridges

MP for Tauranga

Minister of Energy and Resources

Minister of Transport

Deputy Leader of the House

Associate Minister for Climate Change
Issues

Associate Minister of Justice

13 APR 2015

Alex Harris

fyi-request-2561-5f8d67e3@requests.fyi.org.nz

Dear Alex

Thank you for your request of 9 March 2015 made under the Official Information Act 1982 for information on the announcement to upgrade 10 single-lane bridges in the Northland region. Specifically you have requested:

"All advice and communications relating to the decision to upgrade these Northland bridges. I am particularly interested in learning when development of the policy began, when the decision was made, and any cost-benefit analyses."

I did not seek any advice from the Ministry of Transport or the New Zealand Transport Agency on the commitment to upgrade 10 single-lane bridges in the Northland region.

However, general information concerning single-lane bridges in Northland was received over a period of time. Please refer to the following attachments:

- Excerpts from ministerial briefing note dated 5 December 2014 titled: Background information for Northland Visit
- Excerpts from ministerial briefing note dated 15 December 2014 titled: Itinerary and supporting information for Northland visit on 19 December 2014
- Email dated 5 March 2015. Subject: Far North single lane bridges
- Email dated 6 March. Subject: FW: Draft email to Min Office
- Email dated 6 March 2015. Subject: RE: High priority request

I do not hold any information regarding cost-benefit analyses of the projects. I expect this analysis will be undertaken as part of the investigation and design process for some of these projects.

Yours sincerely

Hon Simon Bridges
Minister of Transport

MINISTERIAL BRIEFING NOTE

Subject Background Information for Northland Visit
Date 05 December 2014
OCU number BRI- 0470
Priority Routine

Contact for telephone discussion (if required)

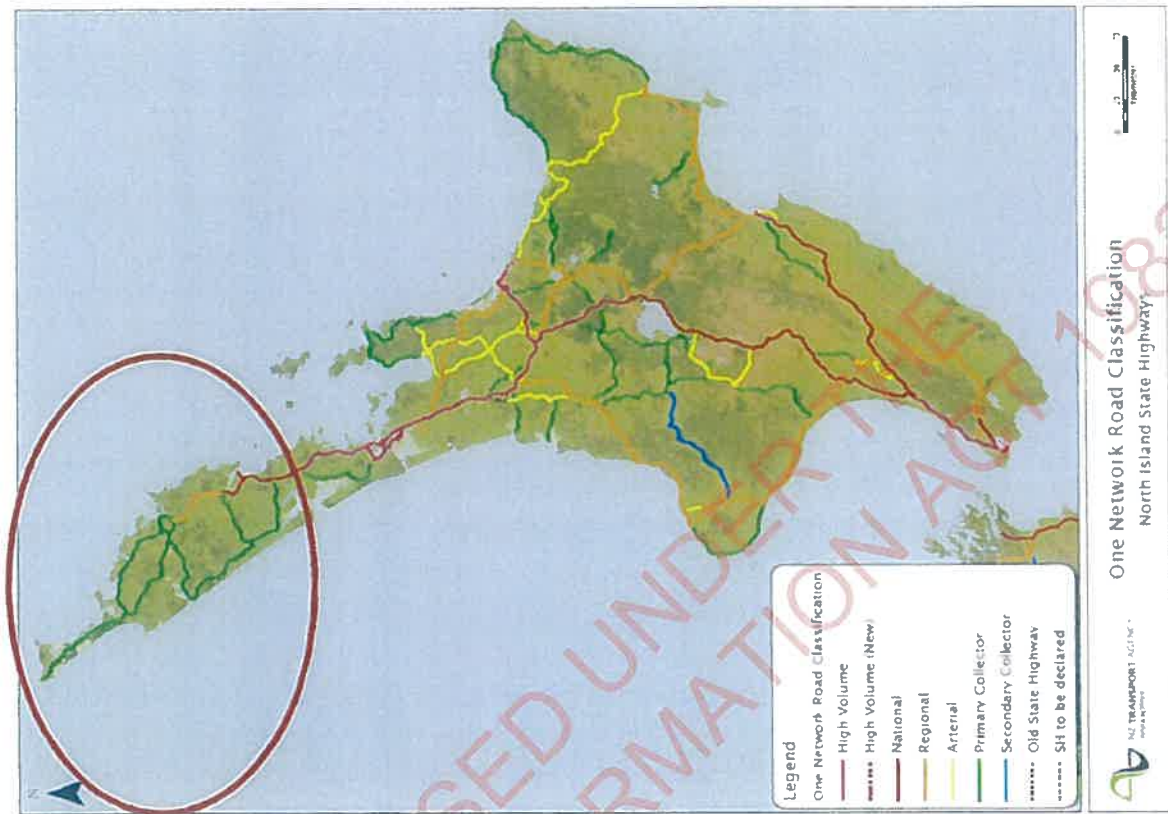
Name	Position	Direct line	Cell phone
Ernst Zollner	Regional Director Auckland and Northland	(09) 969 9553	021 241 5308

Action taken by Office of Minister of Transport

- Noted
- Approved
- Seen by Minister
- Referred to
- Needs change
- Withdrawn
- Overtaken by events

Northland

An overview of its transport network and the key issues for local leaders



3. **The need to address the resilience challenges.** The July 2014 storms caused extensive damage to the region's roading network and highlighted the vulnerability of some communities' access to services, employment, ports and the rest of New Zealand. Extensive calls have been made for increased investment from the Transport Agency and the Crown to address known areas of risk.

There are four aspects to the Transport Agency's response:

- **Restoration and rehabilitation** of the storm damage. Substantial progress has been made to date.
- **Prevention:** A proposed new \$3m-\$18m preventative maintenance programme for 2015-18 to address known areas of risk. Six proposed new state highway improvement projects for 2012-15 to upgrade infrastructure such as bridges, walls and culverts.
- **Mitigation:** Improved focus on readying parallel routes and services, and providing backup systems. Addressing catchment management issues where road works are unable to solve the issue or is not most cost effective solution.
- **Preparedness:** This includes ensuring collective understanding and readiness across partner organisations.

> FURTHER INFORMATION ON THE PROPOSED 2012-15 PROGRAMME WILL BE PROVIDED WITH THE ITINERARY

Some of the more specific issues being raised by regional leaders

Kaipara District	Whangarei District	Far North District
<p>Support for addressing a substantial renewals backlog following an extensive rates revolt. <i>Good progress is being made.</i></p> <p>Addressing safety issues around specific points such as the Matakohe bridges on State Highway 12. <i>Project is included in draft 2015-18 RLTP.</i></p>	<p>Completion of the extensive improvements being made to State Highway 1 through the urban area. <i>Good progress being made.</i></p> <p>Corridor improvements to State Highway 14 in Whangarei linked to substantial growth at the regional hospital site. <i>Agreement to develop a long term corridor plan by mid 2015, and project included in draft 2015-18 RLTP.</i></p>	<p>Greater support for emergency works to address storm damage on the local roading network. <i>Most claims received to date have been accepted and progressed, but some differences persist around what are best value for money solutions.</i></p> <p>Despite its Funding Assistance Rate lifting from 58% to 64%, leaders argue that additional NLTF and Crown funding is needed to improve quality of all roads including projects around Kerikeri and Pahia to address seasonal congestion issues. <i>The draft 2015-18 RLTP includes a substantial package to address resilience and congestion concerns, but its possible that money of these projects will not receive funding in 2015-18 due to national demand.</i></p>
<p>Improving the resilience of the Papanoa-Oakleigh road, which is a diversion route for State Highway 1 Brynderwyns. <i>Being considered as part of state highway preventative maintenance package for 2015-18.</i></p> <p><i>Comment: A small rural road controlling authority which is restoring its financial capacity and which operates at a reasonable level of capability</i></p>	<p>Support to address dust mitigation for residents on unsealed roads where there have been significant increases in forest logging truck movements. <i>Transport Agency not able to support these local mitigation efforts from the NLTF but is supporting the councils with national guidance and peer support.</i></p> <p><i>Comment: A well-performing road controlling authority with strong capability, a history of investment in required works but at risk of deferring some required renewals</i></p>	<p>Support to address dust mitigation for residents on unsealed roads where there have been significant increases in forest logging truck movements. <i>Transport Agency not able to support these local mitigation efforts from the NLTF but is supporting the councils with national guidance and peer support.</i></p> <p><i>Comment: A 'stressed' road controlling authority with limited capability and capacity due to extensive vacancies and high staff turnover</i></p>

MINISTERIAL BRIEFING NOTE

Subject	Itinerary and supporting information for Northland visit on 19 December 2014
Date	15 December 2014
OCU number	BRI-0474
Priority	Routine

Contact for telephone discussion (if required)

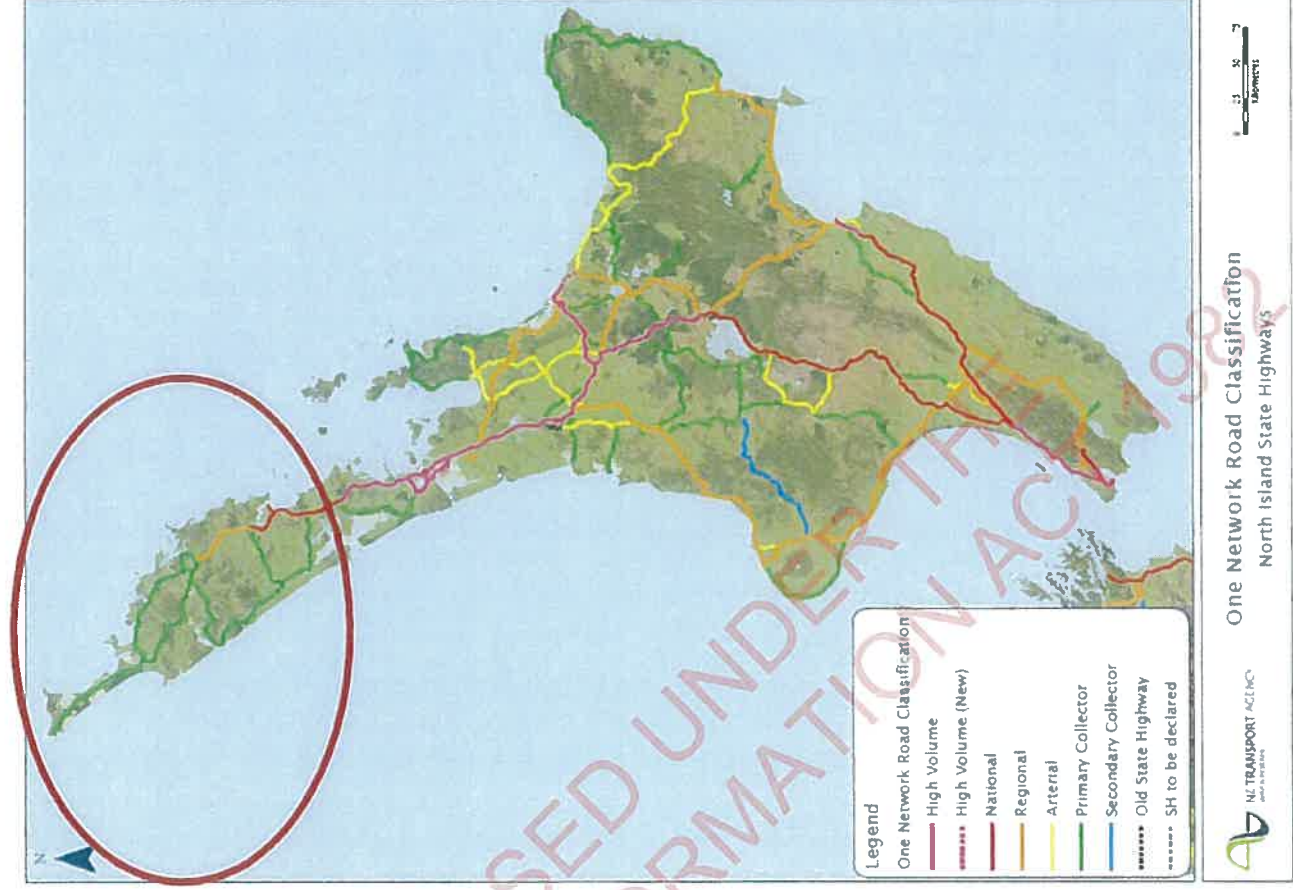
Name	Position	Direct line	Cell phone
Ernst Zöllner	Regional Director Auckland and Northland	(09) 969 9553	021 241 5308

Action taken by Office of Minister of Transport

- Noted**
- Approved**
- Seen by Minister**
- Referred to**
- Needs change**
- Withdrawn**
- Overtaken by events**

Northland

Itinerary and background information for visit by Minister of Transport on 19 December 2014



3. The need to address the resilience challenges. The July 2014 storms caused extensive damage to the region's roading network and highlighted the vulnerability of some communities' access to services, employment, ports and the rest of New Zealand. Extensive calls have been made for increased investment from the Transport Agency and the Crown to address known areas of risk.

There are four aspects to the Transport Agency's response:

- **Restoration and rehabilitation** of the storm damage. Substantial progress has been made to date.
- **Mitigation:** Improved focus on readying parallel routes and services, and providing backup systems. Addressing catchment management issues where road works are unable to solve the issue or are not most cost effective solution.
- **Preparedness:** This includes ensuring collective understanding and readiness across partner organisations.
- **Prevention:** A proposed new \$3 million - \$18 million preventative maintenance programme for 2015-18 to address known areas of risk. Six proposed new state highway improvement projects for 2012-15 to upgrade infrastructure such as bridges, walls and culverts (refer next pages).

Some of the more specific issues being raised by regional leaders

Kaipara District	Whangarei District	Far North District
<p>Support for addressing a substantial renewals backlog following an extensive rates revolt. <i>Good progress is being made.</i></p> <p>Addressing safety issues around specific points such as the Matakoho bridges on State Highway 12. <i>Project is included in draft 2015-18 RLTP.</i></p>	<p>Completion of the extensive improvements being made to State Highway 1 through the urban area. <i>Good progress being made.</i></p> <p>Corridor improvements to State Highway 14 in Whangarei linked to substantial growth at the regional hospital site. <i>Agreement to develop a long term corridor plan by mid 2015, and project included in draft 2015-18 RLTP.</i></p>	<p>Greater support for emergency works to address storm damage on the local roading network. <i>Most claims received to date have been accepted and progressed, but some differences persist around what are best value for money solutions.</i></p> <p>Despite its Funding Assistance Rate lifting from 58% to 64%, leaders argue that additional National Land Transport Fund and Crown funding is needed to improve quality of all roads including projects around Kerikeri and Pahia to address seasonal congestion issues. <i>The draft 2015-18 RLTP includes a substantial package to address resilience and congestion concerns, but its possible that these projects will not be able to receive funding in 2015-18 due to national demand.</i></p>
<p>Improving the resilience of the Paparoa-Oakleigh road, which is a diversion route for State Highway 1 Brynderwyns. <i>Being considered as part of state highway preventative maintenance package for 2015-18.</i></p>	<p>Support to address dust mitigation for residents on unsealed roads where there have been significant increases in forest logging truck movements. <i>Transport Agency not able to support these local mitigation efforts from the NLTF but is supporting the councils with national guidance and peer support.</i></p>	
<p><i>Comment: A small rural road controlling authority which is restoring its financial capacity and which operates at a reasonable level of capability</i></p>	<p><i>Comment: A well-performing road controlling authority with strong capability, a history of investment in required works but at risk of deferring some required renewals</i></p>	<p><i>Comment: A 'stressed' road controlling authority with limited capability and capacity due to extensive vacancies and high staff turnover</i></p>

Gail Wilson

From: Gail Wilson
Sent: Thursday, 5 March 2015 3:49 p.m.
To: matthew.skinner@parliament.govt.nz
Cc: Official Correspondence; Jacqui Hori-Hoult; Tim Crow; Nick Coxhill; Brett Gliddon; Andrew Martin
Subject: Far North single lane bridges

Hi Matt

My previous email went haywire. I had a whole lot of text included but for some reason it didn't show.

So use the attachments on my previous email with this text:

- 1 List of Far North District Council single lane bridge (attached to previous email). Co-ordinates are provided, but a map showing locations of only single lane bridges would take some time (days).
- 2 List of State Highway single lane bridges in the Far North District Council area (attached to previous email). (All other single lane bridges in Northland are also included for information).
- 3 A map of Northland showing all the Northland State Highway single lane bridges (attached to previous email).

In the Far North District there are 530 single lane bridges or large culverts with a total length of approximately 7,900 m. The total number of bridges and large culverts in the Far North District is 729 with a total length of approximately 9,800 m. So the single lane bridges make up 73% by number and 81% by length of all bridges in the Far North District.

The total replacement cost for these single lane bridges would be in the order of \$237 million.

For the State Highway bridges in the Far North District area only, there are 13 single lane bridges with a total length of 511 m. The total number of state highway bridges and large culverts in the Far North District area is 174 with a total length of 3,270 m. So the single lane bridges make up 7% by number and 16% by length of State Highway bridges in the Far North District area only.

The total replacement cost for these single lane bridges would be in the order of \$30 million.

For all State Highway bridges in the region (north of the Johnston's Hill Tunnels), there are 15 single lane bridges with a total length of 598 m. The total number of bridges and large culverts north of the tunnels is 383 with a total length of approximately 7,539 m. So the single lane bridges make up 4% by number and 8% by length of all State Highway bridges north of the tunnels.

The total replacement cost for these single lane bridges would be in the order of \$36 million.

For the above figures the total lengths include the road lengths of the culverts (i.e. road centreline length) rather than the length of the culvert .

You also asked questions about the Draft Northland Regional Land Transport Plan

- What projects does the "Bridge Replacements" include (page 38 of draft RLTP)? We can't answer that – would have to get the info from council.
- Are the Matakohe, Kaeo, and Taipa bridge replacements likely to make the NLTP, and are the costs in the RLTP NZTA estimates or local estimates? We can't answer that at this time. The RLTP hearings are on now. The Board will decide on the confirmed list on 30 June.

You asked for a priority list of bridge replacements. We don't have such a list as all of the state highway bridges are currently structurally sound.

Gail

Gail Wilson / Senior Adviser Official Information

Official Correspondence Unit

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RELEASED UNDER THE
OFFICIAL INFORMATION ACT 1982

Gail Wilson

From: Gail Wilson
Sent: Thursday, 5 March 2015 3:38 p.m.
To: matthew.skinner@parliament.govt.nz
Cc: Official Correspondence; Jacqui Hori-Hoult; Tim Crow; Nick Coxhill; Brett Gliddon; Andrew Martin
Subject: RE: Northland one-lane bridges - URGENT
Attachments: 150305 Far North District Single Lane bridges.xlsx; 150305 SH Single Lane Bridge.xlsx; Far North District and other Northland single lane bridges.jpg

RELEASED UNDER THE
OFFICIAL INFORMATION ACT 1982

FAR NORTH DISTRICT COUNCIL BRIDGES						
	Bridge No.	Roadway	Disp Start (m)	Road Length (m)	Northing	Easting
Single Lane bridges						
1	H38	ABRAHAM ROAD (3299)	25	4	6666259.934	2560154.774
3	F03	AKATERE ROAD (3140)	11	17	6690162.636	2569008.435
4	W61	AKERAMA ROAD (1490)	237	16	6633033.872	2617007.466
6	E14	APUTEREWA ROAD (1499)	561	9	6684455.812	2558586.321
9	G09	AWAROA ROAD (1513)	6538	48	6671149.935	2529952.877
11	K01	AYRTONS ACCESS ROAD (1514)	203	9		
12	E05	BACKRIVER ROAD (1516)	2298	12	6684474.573	2557786.646
13	E04	BACKRIVER ROAD (1516)	2599	7	6684547.888	2558035.751
14	E11	BACKRIVER ROAD (1516)	4791	12	6685259.668	2559335.094
15	E12	BACKRIVER ROAD (1516)	5453	8	6685665.501	2559611.33
16	E13	BACKRIVER ROAD (1516)	6561	7	6686361.538	2560209.768
17	E20	BACKRIVER ROAD (1516)	8134	11	6687602.952	2560016.248
18	E21	BACKRIVER ROAD (1516)	8409	28	6687654.49	2560279.439
20	E19	BARRIBALL ROAD (ORURU) (1523)	1104	8	6685600.241	2556042.78
21	E72	BECKHAM ROAD (1528)	101	22	6677643.166	2548769.98
23	E87	BLUE GORGE ROAD (3220)	1245	8	6677897.333	2552251.119
24	B21	BONNETTS ROAD (1549)	3208	28	6676969.321	2531420.183
25	B06	BRASS ROAD (1555)	4147			
26	H13	BROADWOOD ROAD (1560)	3374	8	6663222.26	2597178.564
27	H14	BROADWOOD ROAD (1560)	5645	14	6659304.439	2550143.821
28	H15	BROADWOOD ROAD (1560)	6554	9	6658747.473	2549666.711
30	H34	BROADWOOD ROAD (1560)	10079	12	6660096.962	2547021.659
33	B10	BROTT ROAD (1561)	1691	13	6682383.786	2533016.287
34	P13	BROWNS ROAD (TE IRENGA) (1563)	1300	5	6638666.103	2582992.243
35	W60	BROWNS ROAD (TOWAI) (1562)	447	10	6632365.887	2614499.354
36	E40	BURMA ROAD (1568)	99	11	6678218.586	2553812.08
37	W50	CALLAGHANS ROAD (1574)	79	8	6634730.162	2610126.885
38	E31	CAMPBELL ROAD (TOATO) (1577)	826	8	6681048.232	2550486.715
39	H07	CARMENS ROAD (1583)	49	29	6660013.391	2547030.453
40	D17	CARR ROAD (1584)	1285	8	6665920.773	2541629.393
41	C19	CHAMPIONS ROAD (1591)	353	28	6682583.546	2544909.668
42	P04	CHERRINGTON ROAD (1593)	167	9	6643232.062	2596996.152
44	C13	CHURTONS ROAD (1601)	127	23	6685342.933	2541893.511
45	B23	CLOUGH ROAD (1607)	375	21	6676062.505	2540693.908
46	B22	CLOUGH ROAD (1607)	1965	9	6677053.627	2539634.878
48	H26	CRALLANS ROAD (1617)	116	25	6663199.671	2560604.053
49	P06	CUMBER ROAD (1622)	152	16	6641835.883	2584495.228
50	P48	CUMBER ROAD SIDE ROAD (3005)	152	8		
51	K07	CURTIS ROAD (1623)	805	5	6640130.54	2558895.953
52	E32	DANGEN ROAD (1624)	132	36	6680086.61	2557481.126
53	W15	DAVIS ROAD (1627)	90	9	6640805.298	2599754.664
54	W16	DAVIS ROAD (1627)	309	6	6640707.017	2599955.587
55	P05	DAVEY ROAD (1629)	96	5	6643242.685	2598993.593
56	D39	DIGGERS VALLEY ROAD (1639)	306	12	6659959.02	2532172.539
57	D38	DIGGERS VALLEY ROAD (1639)	1431	10	6660831.419	2532884.143
58	D34	DIGGERS VALLEY ROAD (1639)	2932	8	6661782.896	2533734.417
59	D33	DIGGERS VALLEY ROAD (1639)	3536	19	6662259.748	2534058.704
60	D32	DIGGERS VALLEY ROAD (1639)	3979	8	6662473.929	2534390.121
61	D30	DIGGERS VALLEY ROAD (1639)	4313	16	6662526.886	2534714.592
62	D31	DIGGERS VALLEY ROAD (1639)	4439	17	6662586.78	2534829.6
63	D24	DIGGERS VALLEY ROAD (1639)	6082	8	6663850.247	2535222.195
64	D23	DIGGERS VALLEY ROAD (1639)	8663	9	6664887.183	2536432.693
65	D22	DIGGERS VALLEY ROAD (1639)	11661	9	6667077.544	2536561.841
66	D21	DIGGERS VALLEY ROAD (1639)	12949	12	6667684.045	2536660.154
67	D08	DIGGERS VALLEY ROAD (1639)	16504	9	6668624.401	2539093.517
68	D07	DIGGERS VALLEY ROAD (1639)	19967	11	6670073.35	2541235.426
70	I46	DIP ROAD (1640)	16	11	6677742.833	2581268.53
71	A33	DOEL ROAD (WAIPAPAKAURI) (1642)	581	17	6686800.821	2532727.124
72	B38	DONALD LANE (3008)	280	32	6678054.413	2534796.416
73	K02	DUDDY ROAD (1652)	1911	7	6638517.768	2560706.281
75	C14	DUNCAN ROAD (KAINGAROA) (1656)	1520	9	6685253.003	2541809.968
76	C15	DUNCAN ROAD (KAINGAROA) (1656)	4685	32	6683879.531	2543614.773
77	C16	DUNCAN ROAD (KAINGAROA) (1656)	5763	19	6683590.676	2544525.081
80	E70	DUNCAN ROAD (KAINGAROA) (1656)	14861	9	6685376.602	2541430.405
81	E71	DUNCAN ROAD (KAINGAROA) (1656)	15839	27	6685882.146	2540634.862
82	E61	DUTTON ROAD (1659)	201	10	6674548.979	2555944.236
83	S18	EDMONDS ROAD (1666)	1173	7	6664654.187	2603134.023
84	E80	EDWARDS ROAD (1667)	12	9	6674284.827	2550798.362
86	E67	FAIRBURN ROAD (1676)	3280	8	6675810.371	2544545.841
87	E66	FAIRBURN ROAD (1676)	5832	12	6676897.894	2546127.067
88	E43	FERN FLAT ROAD (1683)	578	8	6678038.052	2558393.826
89	E45	FERN FLAT ROAD (1683)	1275	5	6677674.088	2557922.739
90	E46	FERN FLAT ROAD (1683)	2703	28	6676679.028	2558005.678
91	E47	FERN FLAT ROAD (1683)	3562	9	6676179.702	2558583.384
92	E48	FERN FLAT ROAD (1683)	4892	14	6676081.609	2559633.354
93	E49	FERN FLAT ROAD (1683)	5847	36	6675801.859	2560348.316
94	E50	FERN FLAT ROAD (1683)	6233	12	6675641.928	2560674.674
95	E51	FERN FLAT ROAD (1683)	6419	12	6675704.769	2560837.864
96	E52	FERN FLAT ROAD (1683)	7019	16	6675577.493	2561278.514
97	E63	FISHER-RILEY ROAD (1684)	57	28	6676684.097	2544846.463
98	E64	FISHER-RILEY ROAD (1684)	174	6	6676793.096	2544910.214
99	B07	FORESHORE ROAD (AHIPARA) (1692)	228	36	6670067.557	2524541.849
101	M03	FOREST ROAD (1693)	707	31	6657317.115	2573724.139
103	B27	FRYER ROAD (1699)	211	9	6674826.704	2537656.403

FAR NORTH DISTRICT COUNCIL BRIDGES						
	Bridge No.	Roadway	Disp Start (m)	Road Length (m)	Northing	Easting
105	P25	GAMMONS ROAD (1701)	2810	13	6627350.075	2584182.745
106	P26	GAMMONS ROAD (1701)	4308	16	6626448.987	2583562.808
107	P27	GAMMONS ROAD (1701)	7210	3	6625551.146	2582054.971
108	P52	GERRARD ROAD (3196)	366	11	6631483.653	2593577.572
109	B11	GILLS ROAD (AWANUI) (1705)	1391	32	6682888.646	2533234.598
110	S19	GOLF VIEW ROAD (1708)	315	25	6663790.888	2596817.144
111	N35	GRAHAM ROAD (1712)	325	18	6635758.966	2573447.163
112	H06	GROUNDS ROAD (1720)	84	24	6660402.478	2595661.15
113	M28	GROVE ROAD (1721)	133	14	6656182.395	2562319.281
114	G10	GUEST ROAD (1723)	91	9	6645708.508	2550374.599
117	D27	GURR ROAD (1726)	87	10	6666751.395	2541994.855
118	L14	GUTHRIE ROAD (1727)	610	2	6640510.022	2568699.343
119	W62	HAILE ROAD (1729)	201	15	6634155.776	2616585.018
120	J07	HANSEN ROAD (WAIMAMAKU) (1732)	149	6		
123	M25	HARRISON ROAD (1738)	14	24	6650497.144	2574365.27
125	D48	HAUMANGA ROAD (3058)	376	5	6658445.98	2536685.932
126	D49	HAUMANGA ROAD (3058)	2289	8	6657206.787	2536954.393
127	A31	HEATH ROAD (1751)	447	8	6691877.468	2529604.493
128	W41	HENARE ROAD (1753)	871	10	6633915.963	2604625.736
129	R27	HERBERT ROAD (WAIARE) (1757)	111	6	6672099.63	2582889.461
130	G31	HICKS ROAD (1758)	794	9	6657781.561	2541247.679
131	F08	HIHI ROAD (1759)	61	8	6688597.554	2563120.04
132	F07	HIHI ROAD (1759)	2380	19	6690403.452	2562226.816
133	F06	HIHI ROAD (1759)	2957	17	6690691.018	2561729.099
134	F14	HIHI ROAD (1759)	4389	10	6691793.28	2560920.423
135	F05	HIHI ROAD (1759)	5115	9	6691866.418	2560286.733
136	G06	HOHAIA ROAD (3330)	54	4		
138	E60	HONEYMOON VALLEY ROAD (1778)	3571	18	6675155.604	2555761.347
141	J08	HOOKS AND HALLS ROAD (1788)	330	29	6627190.52	2552470.733
143	W36	HORAHORA HEADS ROAD (1777)	1436	9	6630615.57	2608264.835
144	W33	HORAHORA HEADS ROAD (1777)	1752	19	6630476.99	2607988.999
145	M24	HOREKE ROAD (1785)	5406	39	6649926.153	2572105.365
148	L03	HOREKE ROAD (1785)	15891	40	6648929.969	2563603.859
149	H37	HUMPHREY ROAD (1776)	4	3	6655922.54	2550821.4
150	T06	HUPARA ROAD (1775)	2066	6	6648969.632	2600472.781
151	M08	IMMS ROAD (LAKE OMAPERE) (1794)	3707	12	6649314.137	2578336.102
152	M17	IMMS ROAD (LAKE OMAPERE) (1794)	4044	9	6649320.328	2578016.649
153	W37	INKSTERS ROAD (1797)	64	4	6630969.234	2609270.738
155	W31	INKSTERS ROAD (1797)	5209	6	6627795.73	2609525.395
156	C11	INLAND ROAD (1793)	38	12	6690694.213	2545600.241
157	H27	IWITAU ROAD (1796)	130	46	6665648.364	2560082.237
158	H28	IWITAU ROAD (1796)	2223	8	6666491.277	2561265.354
159	H29	IWITAU ROAD (1796)	3028	28	6667181.098	2561457.061
160	H30	IWITAU ROAD (1796)	3938	13	6667810.288	2561830.631
161	H31	IWITAU ROAD (1796)	8487	12	6670788.458	2563137.444
162	H01	IWITAU ROAD (1796)	12876	10	6673720.036	2564136.601
163	I07	IWITAU ROAD (1796)	14710	8	6674323.961	2565049.511
164	E79	JACENTHO ROAD (1799)	190	6	6675097.918	2551844.839
165	H33	JACKSONS ROAD (OMAHUTA) (3379)	0	21	6636245.17	2552526.139
166	E95	JASONS ROAD (3248)	130	28.6	6681000	2557000
167	R01	JENNINGS ROAD (1806)	223	8	6667694.888	2592993.134
168	L01	JORDAN ROAD (1812)	591	13	6641123.489	2579844.725
169	L02	JORDAN ROAD (1812)	6356	15	6643457.357	2575837.041
171	L07	JORDAN ROAD (1812)	9795	15	6641334.884	2573753.763
172	M35	KAHIKATO ROAD (1815)	1607	3	6656261.269	2560009.379
173	A29	KAIMAUMAU ROAD (1838)	2515	8	6696460.839	2530433.148
174	A30	KAIMAUMAU ROAD (1838)	4386	5	6696407.461	2532113.279
183	D58	KAITAIA-AWAROA ROAD (2598)	18880	24	6663587.583	2529907.33
186	D42	KAITAIA-AWAROA ROAD (2598)	22370	37	6660528.575	2530305.066
188	D40	KAITAIA-AWAROA ROAD (2598)	25256	9	6659670.418	2531617.544
190	D47	KAITAIA-AWAROA ROAD (2598)	31006	32	6658783.544	2536524.952
191	M05	KARAKA ROAD (1828)	189	10	6656206.759	2578284.795
192	D55	KAUHANGA ROAD (1835)	8	19	6652151.645	2531325.009
194	E15	KENANA ROAD (1844)	226	19	6684229.619	2562574.318
200	S15	KERIKERI INLET ROAD (1795)	3470	27	6664261.197	2600539.688
201	S16	KERIKERI INLET ROAD (1795)	6063	8	6663431.394	2602651.065
202	S13	KERIKERI ROAD (1853)	5363	60	6664333.061	2598457.906
203	E86	KITCHEN ROAD (1860)	489	23	6671984.951	2549204.694
204	P21	KNUDSENS ROAD (1863)	272	12	6631120.473	2585963.564
205	P22	KNUDSENS ROAD (1863)	1221	12	6631036.539	2585233.012
206	P19	KNUDSENS ROAD (1863)	1825	9	6630977.171	2584652.557
207	G24	KOHE ROAD (1864)	827	8	6654288.244	2539158.485
208	H41	KOHUKOHU ROAD (1867)	2980	10	6656524.564	2555566.734
213	E03	KOHUMARU ROAD (1862)	13	17	6687566.787	2560903.652
214	E06	KOHUMARU ROAD (1862)	2406	8	6685683.571	2561842.376
217	E44	KOHUMARU ROAD (1862)	17766	20	6678510.275	2559116.197
218	E42	KOHUMARU ROAD (1862)	18793	30	6678532.963	2558172.726
219	E33	KOHUMARU ROAD (1862)	19989	31	6679355.901	2557389.82
220	K05	KOUTU LOOP ROAD (1879)	124	8	6635042.952	2549578.88
221	W27	KUPA ROAD (1881)	106	37	6635801.337	2601765.417
223	W26	KUPA ROAD (1881)	1627	4	6636658.287	2602463.265
224	C09	LAKE OHIA FLOOD BYPASS ROAD (3450)	400			
227	M13	LAKE ROAD (OKAIHAU) (1891)	5071	16	6648812.449	2580947.843
228	S09	LANDING ROAD (KERIKERI) (1888)	1790	36	6665072.366	2598451.487
231	W02	LOVATT ROAD (1910)	2638	4	6624269.882	2596368.347
232	W01	LOVATT ROAD (1910)	3219	34	6624470.885	2595953.968

FAR NORTH DISTRICT COUNCIL BRIDGES						
	Bridge No.	Roadway	Disp Start (m)	Road Length (m)	Northing	Easting
233	L06	MACDONNELL ROAD (1915)	151	12		
234	I32	MAHINEPUA ROAD (1917)	434	10	6688342.074	2597608.96
235	X10	MANAWAORA ROAD (1924)	3418	9	6659347.028	2622836.985
236	X05	MANAWAORA ROAD (1924)	6138	16	6659070.654	2624642.786
237	X04	MANAWAORA ROAD (1924)	7835	14	6658816.75	2626055.539
240	P23	MANGAKAHIA ROAD (1925)	14487	17	6631144.999	2586242.702
242	P28	MANGAKAHIA ROAD (1925)	18851	9	6627036.026	2585980.288
243	P29	MANGAKAHIA ROAD (1925)	21461	32	6624644.413	2586446.624
245	P31	MANGAKAHIA ROAD (1925)	24240	19	6622202.982	2586906.124
247	R06	MANGAKARETU ROAD (1927)	1114	19	6663186.988	2590584.646
252	H21	MANGATAIPA ROAD (1932)	772	9	6662297.461	2558998.882
253	H22	MANGATAIPA ROAD (1932)	2874	16	6663759.739	2557905.587
254	M20	MANGATARAIRE ROAD (1933)	459	16	6649566.761	2572263.075
255	M21	MANGATARAIRE ROAD (1933)	2332	13	6648801.478	2573855.845
256	N23	MANGATAWA ROAD (1934)	590	16	6633098.654	2573619.781
257	H35	MANSBRIDGE ROAD (1940)	554	11	6660213.153	2548633.865
258	H09	MANSBRIDGE ROAD (1940)	1487	18	6660440.593	2549515.249
259	D59	MANUKAU ROAD (1941)	575	20	6662534.413	2529873.733
260	W54	MARLOW ROAD (1948)	945	19	6632241.407	2611710.407
261	W55	MARLOW ROAD (1948)	3212	19	6630366.981	2611700.86
262	W57	MARLOW ROAD (1948)	7665	12	6626828.973	2611695.507
263	W30	MAROMAKU-TOWAI ROAD (1953)	1233	16	6634996.368	2610207.285
265	W58	MAROMAKU-TOWAI ROAD (1953)	4020	13	6633063.782	2611738.31
266	W74	MAROMAKU-TOWAI ROAD (1953)	4753	16	6633029.925	2612334.57
267	W59	MAROMAKU-TOWAI ROAD (1953)	6505	10	6633368.959	2613509.951
269	W17	MARTIN ROAD (POKERE) (1958)	276	5	6636070.251	2601590.367
270	H23	MATA ROAD (1966)	9	19	6655773.411	2557299.01
271	H24	MATA ROAD (1966)	3180	9	6653959.108	2555454.221
273	C03	MATAI BAY ROAD (1968)	3574	19	6706331.719	2547303.761
275	I37	MATAURI BAY ROAD (1972)	3249	18	6677432.135	2588240.823
278	I35	MATAURI BAY ROAD (1972)	11179	4	6681812.771	2591740.655
279	I34	MATAURI BAY ROAD (1972)	11579	13		
280	I68	MATAURI BAY CAMP ROAD	200	3		
281	I69	MATAURI BAY CAMP ROAD	500	3		
282	I33	MATAURI BEACH ROAD (1973)	2179	8	6684696.298	2594153.922
283	I39	MATAURI LINK ROAD (1974)	32	8	6675149.71	2587484.593
284	W22	MATAWAIA-MAROMAKU ROAD (1977)	891	21	6633212.183	2598192.912
286	W24	MATAWAIA-MAROMAKU ROAD (1977)	4098	23	6633292.617	2600904.393
288	W38	MATAWAIA-MAROMAKU ROAD (1977)	9488	8	6633498.019	2603404.845
289	W39	MATAWAIA-MAROMAKU ROAD (1977)	10176	16	6633172.436	2603937.604
290	W40	MATAWAIA-MAROMAKU ROAD (1977)	10780	13	6633181.198	2604504.032
291	W29	MATAWAIA-MAROMAKU ROAD (1977)	11786	21	6633141.028	2605267.247
293	W46	MATAWAIA-MAROMAKU ROAD (1977)	15422	7	6634528.009	2607024.961
294	W47	MATAWAIA-MAROMAKU ROAD (1977)	15923	24	6634990.167	2607128.067
296	W49	MATAWAIA-MAROMAKU ROAD (1977)	19160	8	6635067.002	2609669.503
298	I47	MATAWHEROHIA ROAD (1979)	17	8	6676571.093	2580651.372
299	I48	MATAWHEROHIA ROAD (1979)	7781	10	6672197.403	2580382.6
300	P42	MATENE ROAD (1981)	29	9	6636280.996	2589595.437
302	D36	MCDONALD ROAD (DIGGERS VALLEY) (1989)	130	2	6660829.166	2533065.543
303	I62	MCGEE ROAD (1992)	135	2	6676094.433	2584969.235
304	I40	MCGEE ROAD (1992)	348	8	6678103.506	2585147.211
305	T22	MCINTYRES ROAD (1993)	58	14	6653042.15	2602803.804
306	E65	MEFFIN ROAD (1995)	174	27	6676772.316	2544703.949
307	E02	MILL BAY ROAD (2005)	1054	7	6689990.643	2559197.129
308	T27	MILL ROAD (2008)	1778	9	6645326.899	2606283.472
309	T46	MILL ROAD (2008)	3991	2		
310	N32	MISSION OAK ROAD (2014)	122	31	6639192.101	2566334.13
311	W67	MONUMENT ROAD (2020)	8730	20	6636573.77	2620488.861
312	W53	MORGANS ROAD (3171)	90	17	6635702.604	2619780.285
315	W70	NELSONS ROAD (2030)	11	15	6639135.798	2620538.837
317	B05	NGAKAROA ROAD (3015)	126	9	6668758.499	2526031.138
325	P02	NGAWHITU ROAD (2044)	294	20	6643104.34	2596784.403
326	N26	NINIHI ROAD (2046)	236	9	6636296.31	2574628.18
328	B18	OINU ROAD (2058)	475	8	6681983.555	2537328.137
329	M23	OKAKA ROAD (2062)	294	15	6651570.178	2570233.955
330	UN11	OKAKEWAI ROAD (2063)	520	2.1		
332	R19	OLD BAY ROAD (2068)	1915	11	6651771.01	2594303.658
333	R20	OLD BAY ROAD (2068)	3523	11	6652489.478	2595664.716
334	T42	OLD WHANGAE ROAD (2072)	100	24	6646275.184	2607584.976
335	T41	OLD WHANGAE ROAD (2072)	180	13	6646350.986	2607566.431
336	H25	OMAHUTA ROAD (2074)	3320	16	REFER TO REPO	REFER TO REPO
337	K06	OMANAIA ROAD (2075)	2860	8	6637373.138	2557663.058
339	K03	OMANAIA ROAD (2075)	4536	13	6638493.931	2558418.219
341	M30	OMAPERE ROAD (2077)	868	3	6644352.136	2582135.175
345	I43	OMALUNU ROAD (2078)	5731	7	6673987.438	2578145.202
346	I44	OMALUNU ROAD (2078)	8902	13	6673666.661	2575982.556
347	I45	OMALUNU ROAD (2078)	11266	12	6671816.328	2575876.392
348	R03	ONEKURA ROAD (2079)	863	6	6667882.629	2588750.227
350	W28	OPAHU STATION ROAD (2082)	321	13	6634934.417	2601415.511
351	S17	OPITO BAY ROAD (2084)	39	2	6667559.122	2602330.2
352	P43	ORAKAU ROAD (2201)	3816	7	6636184.664	2589655.942
353	P44	ORAKAU ROAD (2201)	5495	19	6635072.07	2590864.512
354	P45	ORAKAU ROAD (2201)	5923	11	6635027.867	2591292.705
355	P35	ORAKAU ROAD (2201)	7355	16	6634225.794	2592387.574
356	P36	ORAKAU ROAD (2201)	7685	16	6633985.293	2592829.919
357	P37	ORAKAU ROAD (2201)	8042	15	6633733.6	2592796.162

FAR NORTH DISTRICT COUNCIL BRIDGES						
Bridge No.	Roadway	Disp Start (m)	Road Length (m)	Northing	Easting	
358	P38 ORAKAU ROAD (2201)	8760	12	6633232.646	2593213.767	
359	P39 ORAKAU ROAD (2201)	9396	9	6632711.76	2593040.944	
360	P40 ORAKAU ROAD (2201)	9995	11	6632180.436	2593366.284	
361	P41 ORAKAU ROAD (2201)	10257	8	6631933.107	2593480.07	
362	P46 ORAKAU ROAD (2201)	15458	12	6632549.456	2597134.061	
363	M26 ORIRA ROAD (2089)	78	16	6655695.29	2562250.975	
364	T20 OROMAHOE ROAD (2092)	2728	11	6653204.145	2601742.042	
365	T21 OROMAHOE ROAD (2092)	3393	16	6653226.67	2602393.319	
366	T23 OROMAHOE ROAD (2092)	4348	6	6652868.041	2603265.992	
367	A40 OROMANGA ROAD (2093)	525	10	6727229.673	2504672.842	
369	E09 ORURU ROAD (2096)	2724	24	6686763.471	2553687.481	
371	E23 ORURU ROAD (2096)	7296	37	6683464.428	2556327.118	
375	P32 OTAENGA ROAD (2100)	290	6	6624582.545	2586180.183	
376	P30 OTAENGA ROAD (2100)	1379	14	6623497.351	2585945.647	
377	I03 OTANGAROA ROAD (2103)	257	26	6682097.987	2573925.222	
378	I04 OTANGAROA ROAD (2103)	5842	15	6679373.791	2570027.924	
379	I05 OTANGAROA ROAD (2103)	8749	44	6677167.62	2568435.747	
380	I06 OTANGAROA ROAD (2103)	12885	5	6675358.576	2565775.049	
381	I10 OTANGAROA ROAD (SIDE ROAD) (2105)	223	23			
382	N33 OTATARA MARAE ROAD (2106)	450	24	6636622.94	2564989.157	
383	N28 OTAUA ROAD (2107)	407	20	6636509.748	2572855.481	
384	G19 OTENGI ROAD (2108)	295	10	6645723.907	2545747.169	
385	G20 OTENGI ROAD (2108)	953	6	6645203.936	2546045.753	
386	B17 OTURU ROAD (2113)	702	10	6678523.483	2536476.398	
387	T37 OWAE ROAD (2114)	2881	12	6645507.186	2615512.496	
388	T38 OWAE ROAD (2114)	4939	12	6644745.043	2616979.124	
389	D01 OWHATA ROAD (2115)	39	4	6656181.384	2529007.629	
390	D64 OWHATA ROAD (2115)	1444	4	6655538.221	2528197.968	
391	W73 PALAKA ROAD (2120)	190	13	6633007.763	2614909.266	
392	E83 PANTHER ROAD (2128)	24	18	6672682.382	2547183.825	
394	W10 PARAHA ROAD (2131)	34	10	6635139.012	2597651.804	
395	E22 PARANUI ROAD (2138)	2492	18	6684704.604	2553540.435	
397	E29 PARANUI-TOATO ROAD (3132)	3879	12	6681446.476	2551224.665	
398	C29 PARAPARA ROAD (2134)	1985	8	6687955.011	2549937.865	
399	C30 PARAPARA ROAD (2134)	3021	11	6687451.811	2549177.189	
400	E24 PARAPARA-TOATO ROAD (2133)	3199	17	6684598.187	2549322.54	
401	E30 PARAPARA-TOATO ROAD (2133)	7489	14	6681307.824	2550745.53	
403	N21 PARKERS ROAD (2137)	1242	5	6622900.682	2573853.638	
404	N05 PARKERS ROAD (2137)	1525	3	6622877.884	2573576.585	
405	G11 PAWARENGA ROAD (2143)	5821	20	6655304.588	2542878.571	
406	G13 PAWARENGA ROAD (2143)	8861	10	6653760.163	2541286.522	
407	G14 PAWARENGA ROAD (2143)	9630	24	6653190.833	2540964.99	
408	G15 PAWARENGA ROAD (2143)	11038	46	6653566.618	2539634.2	
409	G16 PAWARENGA ROAD (2143)	14811	39	6651853.133	2536730.137	
412	C21 PEKERAU ROAD (2148)	2501	10	6687782.527	2544364.75	
413	C24 PEKERAU ROAD (2148)	4298	6	6686683.445	2545513.591	
414	C25 PEKERAU ROAD (2148)	5082	6	6685963.83	2545362.379	
415	C26 PEKERAU ROAD (2148)	5417	6	6686652.073	2545308.192	
416	C27 PEKERAU ROAD (2148)	5656	11	6685434.902	2545391.051	
417	C28 PEKERAU ROAD (2148)	6043	9	6685064.482	2545432.537	
419	E38 PERIA ROAD (2156)	929	8	6677913.201	2554228.261	
420	E41 PERIA ROAD (2156)	1205	10	6677986.198	2553953.561	
422	E75 PERIA ROAD (2156)	5254	16	6676679.276	2550878.071	
425	E78 PERIA VALLEY ROAD (2157)	3299	22	6674134.419	2550675.647	
426	E77 PERIA VALLEY ROAD (2157)	5294	9	6675386.787	2551731.423	
428	E57 PERIA VALLEY ROAD (2157)	8840	6	6676314.555	2553870.342	
429	E56 PERIA VALLEY ROAD (2157)	10101	9	6676894.545	2554682.006	
430	P18 PICADILLY ROAD (2159)	4093	24	6635602.13	2582683.017	
432	W04 PIPIWAI ROAD (2164)	1385	11	6631879.864	2599594.285	
433	W05 PIPIWAI ROAD (2164)	3943	11	6629762.023	2598902.847	
434	W06 PIPIWAI ROAD (2164)	7013	9	6627950.696	2597163.576	
435	W07 PIPIWAI ROAD (2164)	8701	10	6626613.31	2597807.328	
436	W08 PIPIWAI ROAD (2164)	10514	38	6624849.937	2597993.761	
437	W09 PIPIWAI ROAD (2164)	12305	15	6623492.849	2599003.998	
438	T04 POKAPU ROAD (2169)	262	16	6643711.742	2600644.787	
439	T03 POKAPU ROAD (2169)	1009	13	6643091.127	2600295.32	
440	T05 POKAPU ROAD (2169)	3097	22	6641281.605	2599692.955	
441	W13 POKAPU ROAD (2169)	3559	37	6640821.356	2599666.195	
442	W14 POKAPU ROAD (2169)	4255	19	6640337.478	2599252.979	
444	W19 POKAPU ROAD (2169)	7193	12	6637887.118	2598136.996	
445	W20 POKAPU ROAD (2169)	7420	10	6637681.58	2598228.975	
448	W21 POKAPU ROAD (2169)	12536	11	6633552.266	2597362.889	
449	D37 POWELLS ROAD (DIGGERS VALLEY) (2177)	105	19	6661233.712	2533208.888	
450	D36 POWELLS ROAD (DIGGERS VALLEY) (2177)	1118	8	6661764.781	2532351.447	
451	D50 PUHATA ROAD (2184)	46	9	6658343.539	2530057.738	
452	D51 PUHATA ROAD (2184)	1042	6	6657697.185	2530461.387	
453	D52 PUHATA ROAD (2184)	1122	8	6657615.681	2530459.07	
454	W44 PUHITIA ROAD (2186)	53	10	6631087.846	2604691.212	
455	H08 PUKEMIRO ROAD (2188)	361	37	6659968.847	2544665.573	
458	M01 PUKEPOTO ROAD (OKAIHAU) (2191)	315	10	6655768.591	2578019.135	
459	M02 PUKETI ROAD (2193)	286	37	6656991.367	2576447.474	
464	N25 PUNAKITERE LOOP ROAD (2200)	283	36	6637031.737	2574887.113	
465	N27 PUNAKITERE LOOP ROAD (2200)	5375	31	6637556.746	2570859.772	
467	I17 PUPUKE MANGAPA ROAD (2203)	1648	10	6677664.566	2577279.052	
468	I18 PUPUKE MANGAPA ROAD (2203)	5823	45	6675369.118	2575268.477	
471	I19 PUPUKE MANGAPA ROAD (2203)	9399	12	6673517.603	2573028.221	

FAR NORTH DISTRICT COUNCIL BRIDGES						
Bridge No.	Roadway	Disp Start (m)	Road Length (m)	Northing	Easting	
472	I20	PUPUKE MANGAPA ROAD (2203)	13508	14	6670561.582	2570989.753
473	S11	PURERUA ROAD (2205)	670	18	6667630.19	2596447.183
474	S01	PURERUA ROAD (2205)	1860	14	6668492.69	2597147.985
475	B49	PURIRI PLACE (2208)	0	18	6675616.792	2535445.35
478	B16	QUARRY ROAD (AWANUI) (2210)	5683	10	6679128.15	2537169.395
479	M12	QUARRY ROAD (KAIKOHE) (2209)	230	12	6643841.579	2584357.569
480	M18	RAHIRI SETTLEMENT ROAD (2214)	39	50	6656104.639	2571092.748
481	P03	RAKAUTAO ROAD (3024)	201	12	6641696.804	2593995.715
482	N01	RAKAUWAHIA ROAD (2219)	2097	28	6639637.216	2577360.639
483	L09	RAKAUWAHIA ROAD (2219)	4806	10	6640253.011	2574760.183
485	N31	RAMSEY ROAD (2221)	1696	18	6636469.03	2569997.443
487	M19	RANGIAHUA ROAD (2225)	5543	24	6651754.952	2567099.466
488	S03	RANGIHOA ROAD (2227)	786	9	6672951.461	2606053.863
489	S04	RANGIHOA ROAD (2227)	1764	9	6672952.931	2606913.075
490	S05	RANGIHOA ROAD (2227)	2390	3	6672504.909	2607254.893
492	S08	RANGIHOA ROAD (2227)	4964	10	6670751.797	2608732.02
493	D61	RANGIKOHU ROAD (EPIKAURI ROAD) (2229)	599	28	6660576.046	2529511.369
494	W32	RATA TIPENE ROAD (2238)	133	12	6628455.788	2609503.355
495	X03	RAWHITI ROAD (NORTH) (2240)	1167	12	6659674.841	2626139.58
497	X02	RAWHITI ROAD (SOUTH) (3075)	7031	18	6653934.984	2628930.749
498	X01	RAWHITI ROAD (SOUTH) (3075)	7768	9	6653536.288	2628420.035
500	S02	REDCLIFFS ROAD (2247)	493	16	6667113.312	2598746.246
501	N24	RENWICK ROAD (2252)	1429	9	6631476.378	2573985.416
502	N38	RENWICK ROAD SIDE ROAD (2252)	2550	14	6630480.155	2573527.645
503	B31	ROMA ROAD (2265)	60	9	6668857.577	2526025.06
504	B32	ROMA ROAD (2265)	713	11	6668759.075	2525459.836
505	W51	RUAPEKAPEKA ROAD (2275)	56	7	6634442.206	2613390.4
506	D02	RUAROA ROAD (2276)	1852	9	6674303.408	2541488.151
507	D05	RUAROA ROAD (2276)	6252	50	6670831.402	2542336.113
509	G12	RUNARUNA ROAD (2278)	8993	8	6648296.102	2545133.999
510	W52	RUSK ROAD (3044)	2906	9	6630035.597	2615609.546
511	W71	RUSSEK ROAD (2280)	610	1.8		
512	C22	RUSSELL ROAD (2283)	150	9	6688375.075	2544674.87
517	X12	RUSSELL-WHAKAPARA ROAD (2284)	8876	17	6655117.984	2619150.105
519	A25	SALVATION ROAD (HOUHORA) (2290)	720	8		
520	I02	SALVATION ROAD (WHANGAROA) (2289)	2668	9	6686319.045	2571778.789
521	B14	SANDHILLS ROAD (2292)	15549	12	6682216.775	2531696.66
524	I14	SCHOOL ROAD (TOTARA NORTH) (3122)	192	13	6684286.127	2575966.345
525	T28	SETTLEMENT ROAD (2304)	1500	9	6644297.369	2606564.214
528	E01	SILVER EGG ROAD (2315)	177	8	6690321.701	2559007.937
529	C07	SIMON URLICH ROAD (2316)	730	9	6701224.651	2544606.788
531	A36	SPAINS ROAD (2334)	1876	14	6684913.8	2532233.351
532	S10	STANNERS ROAD (2340)	994	10	6669010.005	2594223.248
534	N04	STEWARDS ROAD (2345)	209	23	6630508.943	2579042.314
536	F09	STONE CREEK ROAD (2346)	5468	2	6692092.491	2565305.34
537	F10	STONE CREEK ROAD (2346)	6860	2.1		
538	B47	STURMFEL ROAD (2349)	1491	2	6672677.342	2541284.957
539	E82	SWITZER ROAD (2353)	8	11	6676149.969	2546796.458
541	L04	TAHEKE ROAD (2359)	3968	25		
542	L05	TAHEKE ROAD (2359)	4994	14	6641497.193	2567104.652
544	J06	TAITA ROAD (2368)	1275	14	6628058.662	2554895.033
545	J16	TAITA ROAD (2368)	5525	8	6628749.052	2556422.38
546	D03	TAKAHUE ROAD (2371)	435	11	6673036.415	2543784.198
547	D04	TAKAHUE ROAD (2371)	1798	12	6671925.867	2542985.978
548	D06	TAKAHUE ROAD (2371)	3062	9	6670768.29	2542541.485
549	D12	TAKAHUE ROAD (2371)	5146	12	6668755.215	2542841.255
550	D13	TAKAHUE ROAD (2371)	5537	38	6668599.633	2542544.456
551	D14	TAKAHUE ROAD (2371)	6187	19	6668096.454	2542261.664
553	D19	TAKAHUE SADDLE ROAD (BROADWOOD) (2375)	1601	10	6661203.875	2545568.54
554	D20	TAKAHUE SADDLE ROAD (BROADWOOD) (2375)	2359	7	6661740.741	2545679.812
555	P51	TANA ROAD (2377)	218	12	6642043.616	2595801.023
556	W63	TAPUHI ROAD (2384)	612	25	6630062.57	2619776.866
557	W64	TAPUHI ROAD (2384)	2144	22	6632018.814	2619959.21
558	W65	TAPUHI ROAD (2384)	3271	10	6632849.125	2620165.596
559	W66	TAPUHI ROAD (2384)	7933	11	6635651.132	2619790.957
561	W69	TAPUHI ROAD (2384)	10042	9	6637673.605	2620586.815
562	I38	TARAIRE ROAD (2387)	2349	10	6678364.593	2586937.573
563	D60	TATANA ROAD (2392)	751	9	6662139.053	2529418.792
564	C31	TAUMATA ROAD (2394)	108	28	6687116.961	2548975.443
565	C32	TAUMATA ROAD (2394)	2286	8	6685997.878	2547344.382
566	C33	TAUMATA ROAD (2394)	3495	13	6684975.381	2547241.164
567	C34	TAUMATA ROAD (2394)	5158	13	6683546.128	2546671.853
568	F01	TAUPO BAY ROAD (2398)	2300	12	6690200.324	2568645.61
569	F02	TAUPO BAY ROAD (2398)	3626	11	6690204.822	2569722.08
570	F04	TAUPO BAY ROAD (2398)	10011	6	6690162.979	2575276.432
571	I31	TAURANGA BAY BEACH ROAD (2399)	18	16	6685753.583	2584371.997
572	I29	TAURANGA BAY ROAD (2400)	148	4	6685846.46	2584279.981
573	I30	TAURANGA BAY ROAD (2400)	1621	8	6686926.729	2583483.386
574	G25	TAUTORO ROAD (2402)	131	12	6646635.775	2545741.769
576	N03	TAWATA ROAD (3182)	316	12		
577	E26	TAYLOR ROAD (2405)	33	10	6682616.239	2553818.87
578	E28	TAYLOR ROAD (2405)	2419	12	6680880.062	2554184.756
579	A13	TE AHU ROAD (2408)	370	10	6727186.649	2507639.053
583	A05	TE HAPUA ROAD (2411)	2126	13	6743704.901	2497502.84
584	H43	TE HUAHUA ROAD (2413)	1382	4	6650253.691	2554634.078
585	P50	TE IRENGA ROAD (2415)	400	4	6638596.6	2581687.001

FAR NORTH DISTRICT COUNCIL BRIDGES						
	Bridge No.	Roadway	Disp Start (m)	Road Length (m)	Northing	Easting
586	E53	TE KAROA ROAD (2418)	89	25	6675536.096	2560635.336
587	E54	TE KAROA ROAD (2418)	466	8	6675194.316	2560759.004
588	T19	TE KARUWHA PARADE (2420)	622	162	6657931.654	2609066.99
589	E08	TE MOHO ROAD (3152)	207	3	6686603.49	2549988.055
590	A09	TE PAKI STREAM ROAD (2424)	1489	11	6743042.894	2491738.969
594	D11	TE RORE ROAD	4900	1.8		
596	D09	TE RORE ROAD (2430)	7710	6	6672420.08	2546600.882
597	M27	TE TIO ROAD (2432)	1589	18	6655776.355	2562220.371
599	I51	TIPA TIPA ROAD (2444)	7640	31	6678644.407	2569026.51
600	W42	TIPENE ROAD (2445)	895	10	6632163.711	2604550.328
601	W43	TIPENE ROAD (2445)	1187	9	6631888.706	2604482.282
602	M07	TOIA ROAD (2451)	1726	12	6648155.215	2579593.448
603	P33	TOKAWHERO ROAD (2452)	3265	16	6624436.294	2589007.134
604	P34	TOKAWHERO ROAD (2452)	5425	9	6624257.767	2590438.834
608	I50	TOTARA NORTH ROAD (2454)	2995	12	6684423.968	2576493.352
609	I53	PORTERS ACCESS ROAD EXTENSION	140	16	6684113.877	2582345.73
610	E81	TRACEY ROAD (2458)	315	8	6673462.224	2550346.357
611	A28	TURK VALLEY ROAD (3302)	345	3		
612	R26	UPOKORAU ROAD (2471)	279	32	6673206.2	2585664.887
613	R08	VALENCIA LANE (2473)	354	5	6660914.492	2593382.968
614	E85	VICTORIA VALLEY ROAD (2478)	460	46	6672648.996	2547919.894
616	R10	WAIARE ROAD (2484)	14650	20	6663374.938	2583600.117
617	R09	WAIARE ROAD (2484)	15569	24	6684024.012	2583591.443
618	R25	WAIARE ROAD (2484)	25965	25	6672054.191	2582960.845
619	R24	WAIARE ROAD (2484)	27197	48	6672520.996	2583881.673
620	R23	WAIARE ROAD (2484)	33367	11	6675505.988	2583648.331
621	R22	WAIARE ROAD (2484)	33491	52	6675624.277	2583616.778
622	R21	WAIARE ROAD (2484)	34490	36	6676533.673	2583471.632
623	I08	WAIHAPA ROAD (2486)	1637	6	6679000.194	2573230.612
624	I09	WAIHAPA ROAD (2486)	2094	6	6678503.843	2573258.736
625	R18	WAIKARAMU ROAD (2488)	2790	8	6651577.956	2592951.157
629	T36	WAIKARE ROAD (2491)	5980	7	6647104.054	2615428.414
631	X14	WAIKARE ROAD (2491)	15142	13	6649718.709	2620669.467
632	X15	WAIKARE ROAD (2491)	17006	25	6650417.196	2622284.933
634	X06	WAIKARE ROAD (2491)	17870	17	6651048.721	2622829.287
635	X07	WAIKARE ROAD (2491)	18838	11	6651976.319	2622899.2
636	X08	WAIKARE VALLEY ROAD (2485)	2240	30.0		
637	T32	WAIKINO ROAD (2493)	50	17	6647403.341	2614612.403
638	I58	WAIKOURA ROAD (2494)	993	3	6680413.474	2580877.356
639	R07	WAIKUKU ROAD (2495)	2213	12	6653939.794	2588252.04
641	N30	WAIMA VALLEY ROAD (2497)	2986	13	6636802.529	2565649.709
642	T08	WAIMANGARO ROAD (3174)	0	8	6653549.5	2611242.9
644	R15	WAIMATE NORTH ROAD (2500)	5051	8		
645	R16	WAIMATE NORTH ROAD (2500)	7518	35	6655653.291	2592850.547
646	R17	WAIMATE NORTH ROAD (2500)	9999	6	6654434.392	2592308.086
649	P15	WAIMATENUI / MATARAU ROAD (2600)	5470	33	6636209.138	2581709.952
651	N08	WAIMATENUI / MATARAU ROAD (2600)	7110	8	6634808.753	2581168.663
654	N10	WAIMATENUI / MATARAU ROAD (2600)	11713	6	6631088.41	2579689.542
655	N12	WAIMATENUI / MATARAU ROAD (2600)	13552	8	6629639.005	2579404.655
656	N13	WAIMATENUI / MATARAU ROAD (2600)	14658	9	6628833.498	2579053.245
657	N14	WAIMATENUI / MATARAU ROAD (2600)	15617	19	6628239.158	2578366.392
658	N15	WAIMATENUI / MATARAU ROAD (2600)	16735	73	6627427.218	2577820.033
659	N16	WAIMATENUI / MATARAU ROAD (2600)	16978	48	6627308.974	2577624.537
660	N18	WAIMATENUI / MATARAU ROAD (2600)	18514	16	6626350.077	2576963.657
661	N19	WAIMATENUI / MATARAU ROAD (2600)	24864	13	6622560.909	2575201.697
663	I22	WAINUI ROAD (2503)	4095	5	6683142.339	2582517.836
664	I23	WAINUI ROAD (2503)	5000	22	6683836.76	2583066.117
665	I24	WAINUI ROAD (2503)	8339	22	6685548.413	2585070.888
666	I25	WAINUI ROAD (2503)	13087	10	6687957.573	2587239.54
667	I65	WAINUI VALLEY ROAD (2504)	230	4	6686707.029	2588880.808
668	I26	WAINUI-MATAURI BAY ROAD (2505)	28	10	6686927.073	2588909.078
669	I27	WAINUI-MATAURI BAY ROAD (2505)	2066	8	6686058.047	2590192.495
670	D15	WAIOTEHUE ROAD (2509)	304	12	6666716.535	2541789.729
671	D25	WAIOTEHUE ROAD (2509)	6383	25	6664719.505	2538997.414
672	D28	WAIOTEHUE ROAD (2509)	9982	9	6663146.018	2538159.425
673	D29	WAIOTEHUE ROAD (2509)	11587	25	6662218.463	2538848.773
675	J09	WAIOTEMARAMA GORGE ROAD (2510)	1058	14	6633232.197	2548946.132
676	J10	WAIOTEMARAMA GORGE ROAD (2510)	1331	9	6633076.549	2549154.175
677	J11	WAIOTEMARAMA GORGE ROAD (2510)	2126	12	6632500.065	2549508.687
678	J12	WAIOTEMARAMA GORGE ROAD (2510)	6406	14	6629755.472	2550382.423
681	I28	WAITAPU CREEK ROAD (3340)	42	12		
684	T01	WAKELIN ROAD (2520)	3921	3	6657335.394	2601777.01
685	E84	WALLACE ROAD (VIC VALLEY) (2602)	37	8	6675129.7	2548041.75
686	M10	WALLIS ROAD (2524)	896	12	6645942.516	2585315.515
688	I15	WEBER WAIHAPA ROAD (2532)	1666	4	6680625.782	2573521.364
689	I16	WEBER WAIHAPA ROAD (2532)	1995	2	6680472.742	2573800.872
690	UN29	WEBER WAIHAPA ROAD (2532)	5350	2.0		
691	J01	WEKAWEKA ROAD (2535)	972	55	6626465.772	2555624.182
692	J02	WEKAWEKA ROAD (2535)	2078	6	6626451.54	2556668.181
694	J03	WEKAWEKA ROAD (2535)	4034	13	6625408.098	2557860.797
695	J15	WEKAWEKA ROAD (2535)	7125	4	6625554.815	2560307.281
696	J14	WEKAWEKA ROAD (2535)	7139	12	6625552.864	2560320.722
697	J04	WEKAWEKA ROAD (2535)	9130	10	6625202.691	2562094.527
699	J05	WEKAWEKA ROAD (2535)	14439	8	6625753.117	2565186.839
703	H02	WEST COAST ROAD (KOHUKOHU) (2543)	12258	58	6648673.495	2550929.204
706	G02	WEST COAST ROAD (KOHUKOHU) (2543)	21552	13	6648871.979	2545573.32

FAR NORTH DISTRICT COUNCIL BRIDGES						
	Bridge No.	Roadway	Disp Start (m)	Road Length (m)	Northing	Easting
707	G01	WEST COAST ROAD (KOHUKOHU) (2543)	25150	37	6643712.616	2545498.496
708	G03	WEST COAST ROAD (KOHUKOHU) (2543)	28637	11	6642661.812	2543737.332
709	G04	WEST COAST ROAD (KOHUKOHU) (2543)	29764	11	6641770.265	2543155.507
712	G05	WEST COAST ROAD (KOHUKOHU) (2543)	38534	18	6640497.137	2536672.924
713	A27	WHALERS ROAD (2553)	679	14	6706907.15	2522812.502
714	T24	WHANGAE ROAD (2554)	3238	18	6649159.884	2606800.978
715	T12	WHANGAE ROAD (2554)	5253	5	6650864.808	2605879.736
716	D62	WHANGAPE ROAD (2555)	3254	9	6656814.96	2529607.59
717	D63	WHANGAPE ROAD (2555)	3379	8	6656700.322	2529628.054
721	N11	WHAREPUNGA ROAD (2563)	249	22	6630842.832	2579267.37
722	N22	WHAREPUNGA ROAD (2563)	829	16	6631061.584	2578722.784
723	K04	WIKAIRAS ROAD (2606)	249	22	6636302.162	2552862.956
724	F11	WINDUST ROAD (2582)	247	10	6687655.471	2565857.978
727	R14	WIROA ROAD (2586)	7847	8	6658293.686	2588639.327
728	B35	WRECK BAY ROAD (2589)	532	9	6669116.615	2521795.294
729	C35	ZIDICH ROAD	10	1.8		

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STATE HIGHWAY SINGLE LANE BRIDGES IN NORTHLAND & AUCKLAND NORTH

Far North District				
1N	0/8.87	89	Te Werahi Stream Bridge	9.14
1N	0/16.62	166	Waitiki Stream Bridge	25.1
1N	20/15.74	357	Mitimiti Stream Bridge No 176	13.1
1N	20/21.57	416	Te Kao Stream Bridge No 178	22.2
1N	44/9.69	536	Reids Bridge No 184 (Te Awhia Stream)	10.9
1N	149/14.79	1638	Waihou River (Rangiahua) Bridge No 50	61
10	33/11.79	448	Kao River Bridge No 665	49.2
10	79/3.59	826	Taipā Bridge No 272	106.7
11	0/3.09	31	Tirohanga Stream Bridge	29.9
12	17/11.85	289	Taheke Bridge No 569	64
12	74/1.22	752	Waimamaku River (Lowes) Bridge No 598	47.2
12	74/3.38	774	Waimamaku River (Hallahans) Bridge No 600	55.3
12	89/3.98	930	Darby & Joan Kauri Bridge	17.3
				511.04
Kaipara District				
12	185/12.12	1971	Andersons Bridge No 148	24.7
12	185/13.37	1984	Matakohe River (Hardies) Bridge No 149	61.7
				86.4

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Parangavanga Canyon

Cavalli Canyons

Whangarei

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Image Landsat

Data SIO, NOAA, U.S. Navy, NGA, GEBCO

Google

Imagery Date: 4/11/2013 59.9 H, 76.38/8.83 m F 6084702.28 m S elev 193 m eye alt

Gail Wilson

From: Gail Wilson
Sent: Friday, 6 March 2015 3:57 p.m.
To: matthew.skinner@parliament.govt.nz
Cc: Ernst Zollner; Brett Gliddon; Official Correspondence; Andrew Martin; Chris Gasson; Martin Taylor; Paul Glucina; Tim Crow; Jim Sephton; Jacqui Hori-Hoult; Nick Coxhill
Subject: FW: Draft email to Min Office
Attachments: SH bridge replacement costs.xlsx; SH bridge map.jpg; FNDC bridge replacement costs.xlsx

Hi Matt

Here's the info requested on bridge replacement costs. Please note the following:

Local road bridges

- Your office has asked information on bridges on local roads which are not controlled by the Transport Agency. The information we are providing you has been given to us by the council's consultants. We cannot confirm the accuracy of it.
- The Old Tokatoka bridge upgrade project is actually a Whangarei District Council bridge project. This bridge is not being replaced to two lanes, but simply upgraded to maintain current level of service. It is located off Waitotira Rd, 30km southwest of Whangarei. The RLTP includes \$457,000 for an upgrade in 2016/17.
- The Thompson Road bridge upgrade project is also a Whangarei District Council bridge project. This bridge is not being replaced to two lanes, but simply upgraded to maintain current level of service. It is located off Mangapai Rd, 20km southwest of Whangarei. The RLTP includes \$400,000 for an upgrade in 2015/16.

You asked the following: *Could you also find out everything you can on the FNDC Bridge Replacements 2015–18, and the WDC HPMV Bridge Upgrades, and send this through as soon as you can.* Our response is as follows:

With the increasing demands from various industries and heavier vehicles, a robust programme of bridge replacements and upgrades is essential. Upgrades are required for several weight restricted bridges on forestry routes where current posted restrictions restrict the access by logging associate activities. A programme of approx. 3 bridges per year is to be developed/confirmed.

FNDC Bridge Replacements 2015–18

The RLTP includes \$2 million in year two and three combined for bridge upgrades in FNDC. Year one is to develop the programme.

WDC HPMV Bridge Upgrades

The Mangakahia route is operational currently as 50MAX (HPMV). Whangarei District Council has requested funding to upgrade the bridges on this route to full HPMV.

The NZTA's matrix shows this as a route not suitable for full HPMV due to soils and pavement cracking. The project is not likely to be funded until 2018/21 when the pavement issues are resolved.

No impact on freight.

State highway bridges

- The attached table shows the estimated costs of bridge replacements only, assuming replacing a single-lane bridge with a two-lane structure. It does not include any additional civil works associated with realignments on existing state highways.
- Please also treat all 'cost estimates' with some care; for example, cost estimates that relate to bridge replacements are just that – no detailed investigation or design has been undertaken.
- The cost estimates are based on standard unit rates.
- The upper range shown in the attached table represents a contingency allowance.

- There is a difference in costs for the Matakōhe bridge between the attached table and the information provided to your office with details of RLTP projects. The attached table is the cost to replace the bridge in its current location only. The cost shown in the RLTP is to construct a new bridge in a different location and associated road realignment works.
- Kaeo River and Taipa Bridge bridges: the costs in the attached table and those provided in the information on the RLTP projects represent a bridge replacement only. No work has been undertaken on any road realignment work.
- The single lane Darby and Joan bridge goes between two kauri trees in the Waipoua Kauri forest to protect the roots of those two trees, and cannot and should not be widened.

Gail Wilson / Senior Adviser Official Information
Official Correspondence Unit

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National Office / Victoria Arcade, 50 Victoria Street,
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STATE HIGHWAY SINGLE LANE BRIDGES IN NORTHLAND & AUCKLAND NORTH

SH	RP	BSN	Name	Length	Approx cost to replace	Upper estimate
Far North District						
1N	0/8.87	89	Te Werahi Stream Bridge	9.14	\$70,000	\$ 200,000
1N	0/16.62	166	Waitiki Stream Bridge	25.1	\$1,500,000	\$ 3,300,000
1N	20/15.74	357	Mitimiti Stream Bridge No 176	13.1	\$1,000,000	\$ 2,200,000
1N	20/21.57	416	Te Kao Stream Bridge No 178	22.2	\$1,600,000	\$ 3,500,000
1N	44/9.69	536	Reids Bridge No 184 (Te Awhia Stream)	10.9	\$600,000	\$ 1,300,000
1N	149/14.79	1638	Waihou River (Rangiahua) Bridge No 50	61	\$4,000,000	\$ 8,600,000
10	33/11.79	448	Kaeo River Bridge No 665	49.2	\$3,200,000	\$ 6,900,000
10	79/3.59	826	Taipa Bridge No 272	106.7	\$6,000,000	\$ 12,900,000
11	0/3.09	31	Tirohanga Stream Bridge	29.9	\$2,100,000	\$ 4,600,000
12	17/11.85	289	Taheke Bridge No 569	64	\$4,200,000	\$ 9,100,000
12	74/1.22	752	Waimamaku River (Lowes) Bridge No 598	47.2	\$3,100,000	\$ 6,700,000
12	74/3.38	774	Waimamaku River (Hallahans) Bridge No 600	55.3	\$3,600,000	\$ 7,800,000
12	89/3.98	930	Darby & Joan Kauri Bridge	17.3	NA	
				511.04		
Kaipara District						
12	185/12.12	1971	Andersons Bridge No 148	24.7	\$1,800,000	\$ 3,900,000
12	185/13.37	1984	Matakohe River (Hardies) Bridge No 149	61.7	\$3,900,000	\$ 8,400,000
				86.4		
				TOTAL	\$36,670,000	\$ 79,400,000

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Parengarenga Canyon

Coyhill Canyon

Whangarei

Hauraki Canyon

Barite

Kaipara Terrace

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Image Landsat

Data: SIO, NOAA, U.S. Navy, NGA, GEBCO

Google

Imagery Date: 4/10/2013 159 41.763878 -83 mE 6084702.28 mS elev 193 m eye alt

322

15 Whangarei Harbour
16 Whangarei Harbour
17 Whangarei Harbour
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FAR NORTH DISTRICT COUNCIL BRIDGES							
Bridge No.	Roadway	Disp Start (m)	Road Length (m)	Northing	Easting	Approx cost to replace	Upper Limit Estimate
Single Lane bridges							
1	H38 ABRAHAM ROAD (3299)	25	4	6668259.934	2560154.774	\$126,000	\$ 200,000
2	F03 AKATERE ROAD (3140)	11	17	6690162.636	2569008.435	\$510,000	\$ 600,000
3	W61 AKERAMA ROAD (1490)	237	16	6633033.872	2617007.466	\$480,000	\$ 600,000
4	E14 APUTEREWI ROAD (1499)	561	9	6684455.812	2558586.321	\$270,000	\$ 400,000
5	G09 AWAROA ROAD (1513)	6538	48	6871149.935	2529952.877	\$1,440,000	\$ 1,700,000
6	K01 AYRTONS ACCESS ROAD (1514)	203	9			\$270,000	\$ 400,000
7	E05 BACKRIVER ROAD (1516)	2298	12	6684474.573	2557786.846	\$360,000	\$ 500,000
8	E04 BACKRIVER ROAD (1516)	2599	7	6684547.888	2558035.751	\$220,500	\$ 300,000
9	E11 BACKRIVER ROAD (1516)	4791	12	6685269.688	2559335.094	\$360,000	\$ 500,000
10	E12 BACKRIVER ROAD (1516)	5453	8	6685665.501	2559611.33	\$240,000	\$ 300,000
11	E13 BACKRIVER ROAD (1516)	6561	7	6686361.538	2560209.768	\$220,500	\$ 300,000
12	E20 BACKRIVER ROAD (1516)	8134	11	6687602.952	2560016.248	\$330,000	\$ 400,000
13	E21 BACKRIVER ROAD (1516)	8409	28	6687654.49	2560279.439	\$840,000	\$ 1,000,000
14	E19 BARRIBALL ROAD (ORURU) (1523)	1104	8	6685600.241	2556042.78	\$240,000	\$ 300,000
15	E72 BECKHAM ROAD (1528)	101	22	6677643.166	2548769.98	\$660,000	\$ 800,000
16	E87 BLUE GORGE ROAD (3220)	1245	8	6677897.333	2552251.119	\$240,000	\$ 300,000
17	B21 BONNETTS ROAD (1549)	3208	26	6676969.321	2531420.183	\$840,000	\$ 1,000,000
18	B06 BRASS ROAD (1555)	4147	2			\$63,000	\$ 100,000
19	H13 BROADWOOD ROAD (1560)	3374	8	6663222.26	2597178.564	\$240,000	\$ 300,000
20	H14 BROADWOOD ROAD (1560)	5645	14	6659304.439	2550143.821	\$420,000	\$ 500,000
21	H15 BROADWOOD ROAD (1560)	6554	9	6658747.473	2549666.711	\$270,000	\$ 400,000
22	H34 BROADWOOD ROAD (1560)	10079	12	6660096.982	2547021.659	\$360,000	\$ 500,000
23	B10 BROTT ROAD (1581)	1691	13	6682383.786	2533018.287	\$390,000	\$ 500,000
24	P13 BROWNS ROAD (TE IRENGA) (1563)	1300	5	6638666.103	2582992.243	\$157,500	\$ 200,000
25	W60 BROWNS ROAD (TOWAI) (1562)	447	10	6632385.887	2614499.354	\$300,000	\$ 400,000
26	E40 BURMA ROAD (1568)	99	11	6678218.586	2553812.08	\$330,000	\$ 400,000
27	W50 CALLAGHANS ROAD (1574)	79	8	6634730.162	2610126.885	\$240,000	\$ 300,000
28	E31 CAMPBELL ROAD (TOATO) (1577)	826	8	6681048.232	2550486.715	\$240,000	\$ 300,000
29	H07 CARMENS ROAD (1583)	49	29	6660013.391	2547030.453	\$670,000	\$ 1,100,000
30	D17 CARR ROAD (1584)	1285	8	6665920.773	2541629.393	\$240,000	\$ 300,000
31	C19 CHAMPIONS ROAD (1591)	353	28	6682583.546	2544909.668	\$840,000	\$ 1,000,000
32	P04 CHERRINGTON ROAD (1593)	167	9	6643232.062	2596996.152	\$270,000	\$ 400,000
33	C13 CHURTONS ROAD (1601)	127	23	6685342.933	2541893.511	\$690,000	\$ 900,000
34	B23 CLOUGH ROAD (1607)	375	21	6676062.505	2540693.908	\$630,000	\$ 800,000
35	B22 CLOUGH ROAD (1607)	1965	9	6677053.627	2539634.678	\$270,000	\$ 400,000
36	H28 CRALLANS ROAD (1617)	116	25	6663199.671	2560604.053	\$750,000	\$ 900,000
37	P06 CUMBER ROAD (1622)	152	16	6641835.883	2584495.228	\$480,000	\$ 600,000
38	P48 CUMBER ROAD SIDE ROAD (3005)	152	8			\$240,000	\$ 300,000
39	K07 CURTIS ROAD (1623)	805	5	6640130.54	2558895.953	\$157,500	\$ 200,000
40	E32 DANGEN ROAD (1624)	132	36	6680086.81	2557481.126	\$1,080,000	\$ 1,300,000
41	W15 DAVIS ROAD (1627)	80	9	6640805.298	2599754.664	\$270,000	\$ 400,000
42	W16 DAVIS ROAD (1627)	309	6	6640707.017	2599955.587	\$189,000	\$ 300,000
43	P05 DAVEY ROAD (1629)	96	5	6643242.685	2598993.593	\$157,500	\$ 200,000
44	D39 DIGGERS VALLEY ROAD (1639)	306	12	6659959.02	2532172.539	\$360,000	\$ 500,000
45	D38 DIGGERS VALLEY ROAD (1639)	1431	10	6660831.419	2532884.143	\$300,000	\$ 400,000
46	D34 DIGGERS VALLEY ROAD (1639)	2932	8	6661782.896	2533734.417	\$240,000	\$ 300,000
47	D33 DIGGERS VALLEY ROAD (1639)	3536	19	6662259.748	2534058.704	\$570,000	\$ 700,000
48	D32 DIGGERS VALLEY ROAD (1639)	3879	8	6662473.929	2534390.121	\$240,000	\$ 300,000
49	D30 DIGGERS VALLEY ROAD (1639)	4313	16	6662526.886	2534714.592	\$480,000	\$ 600,000
50	D31 DIGGERS VALLEY ROAD (1639)	4439	17	6662596.78	2534829.6	\$510,000	\$ 600,000
51	D24 DIGGERS VALLEY ROAD (1639)	6082	8	6663850.247	2535222.195	\$240,000	\$ 300,000
52	D23 DIGGERS VALLEY ROAD (1639)	8663	9	6664887.183	2536432.693	\$270,000	\$ 400,000
53	D22 DIGGERS VALLEY ROAD (1639)	11661	9	6667077.544	2536561.841	\$270,000	\$ 400,000
54	D21 DIGGERS VALLEY ROAD (1639)	12949	12	6667884.045	2536660.154	\$360,000	\$ 500,000
55	D08 DIGGERS VALLEY ROAD (1639)	18504	9	6668624.401	2536903.517	\$270,000	\$ 400,000
56	D07 DIGGERS VALLEY ROAD (1639)	19967	11	6670073.35	2541235.426	\$330,000	\$ 400,000
57	I46 DIP ROAD (1640)	16	11	6677742.833	2581268.53	\$330,000	\$ 400,000
58	A33 DOEL ROAD (WAIAPAKAURI) (1642)	581	17	6666800.821	2532727.124	\$510,000	\$ 600,000
59	B38 DONALD LANE (3008)	280	32	6678054.413	2534798.416	\$960,000	\$ 1,200,000
60	K02 DUDDY ROAD (1652)	1911	7	6638517.768	2560708.281	\$220,500	\$ 300,000
61	C14 DUNCAN ROAD (KAINGAROA) (1656)	1520	9	6685253.003	2541809.968	\$270,000	\$ 400,000
62	C15 DUNCAN ROAD (KAINGAROA) (1656)	4685	32	6683879.531	2543614.773	\$960,000	\$ 1,200,000
63	C16 DUNCAN ROAD (KAINGAROA) (1656)	5763	19	6683590.876	2544825.081	\$570,000	\$ 700,000
64	E70 DUNCAN ROAD (KAINGAROA) (1656)	14861	9	6685376.602	2541430.405	\$270,000	\$ 400,000
65	E71 DUNCAN ROAD (KAINGAROA) (1656)	15839	27	6685882.146	2540634.862	\$810,000	\$ 1,000,000
66	E61 DUTTON ROAD (1659)	201	10	6674548.979	2555944.236	\$300,000	\$ 400,000
67	S18 EDMONDS ROAD (1666)	1173	7	6664854.187	2603134.023	\$220,500	\$ 300,000
68	E80 EDWARDS ROAD (1667)	12	9	6674284.827	2550798.362	\$270,000	\$ 400,000
69	E67 FAIRBURN ROAD (1676)	3280	8	6675810.371	2544545.841	\$240,000	\$ 300,000
70	E66 FAIRBURN ROAD (1676)	5832	12	6676897.894	2546127.067	\$360,000	\$ 500,000
71	E43 FERN FLAT ROAD (1683)	578	8	6678038.052	2558393.826	\$240,000	\$ 300,000
72	E45 FERN FLAT ROAD (1683)	1275	5	6677674.088	2557922.739	\$157,500	\$ 200,000
73	E46 FERN FLAT ROAD (1683)	2703	28	6676679.028	2558005.678	\$840,000	\$ 1,000,000
74	E47 FERN FLAT ROAD (1683)	3582	9	6676179.702	2558583.384	\$270,000	\$ 400,000
75	E48 FERN FLAT ROAD (1683)	4892	14	6676081.609	2559633.354	\$420,000	\$ 500,000
76	E49 FERN FLAT ROAD (1683)	5847	36	6675801.859	2560348.316	\$1,080,000	\$ 1,300,000
77	E50 FERN FLAT ROAD (1683)	6233	12	6675641.928	2560874.074	\$360,000	\$ 500,000
78	E51 FERN FLAT ROAD (1683)	6419	12	6675704.769	2560837.864	\$360,000	\$ 500,000
79	E52 FERN FLAT ROAD (1683)	7019	16	6675577.493	2561278.514	\$480,000	\$ 600,000
80	E63 FISHER-RILEY ROAD (1684)	57	28	6676694.097	2544846.463	\$840,000	\$ 1,000,000
81	E64 FISHER-RILEY ROAD (1684)	174	6	6676793.096	2544910.214	\$189,000	\$ 300,000
82	B07 FORESHORE ROAD (AHIPARA) (1692)	228	36	6670067.557	2524541.849	\$1,080,000	\$ 1,300,000
83	M03 FOREST ROAD (1693)	707	31	6657317.115	2573724.139	\$930,000	\$ 1,100,000
84	B27 FRYER ROAD (1699)	211	9	6674826.704	2537856.403	\$270,000	\$ 400,000
85	P25 GAMMONS ROAD (1701)	2810	13	6627350.075	2584182.745	\$390,000	\$ 500,000
86	P26 GAMMONS ROAD (1701)	4308	16	6626448.987	2583562.808	\$480,000	\$ 600,000
87	P27 GAMMONS ROAD (1701)	7210	3	6625551.146	2582054.971	\$94,500	\$ 200,000
88	P52 GERRARD ROAD (3196)	366	11	6631483.653	2593577.572	\$330,000	\$ 400,000
89	B11 GILLS ROAD (AWANUI) (1705)	1391	32	6682888.646	2533234.598	\$960,000	\$ 1,200,000
90	S19 GOLF VIEW ROAD (1708)	315	25	6663790.888	2596817.144	\$750,000	\$ 900,000
91	N35 GRAHAM ROAD (1712)	325	18	6635758.966	2573447.163	\$540,000	\$ 700,000
92	H06 GROUNDS ROAD (1720)	84	24	6660402.478	2595861.15	\$720,000	\$ 900,000
93	M28 GROVE ROAD (1721)	133	14	6656182.395	2592319.281	\$420,000	\$ 500,000
94	G10 GUEST ROAD (1723)	91	9	6645708.508	2590374.599	\$270,000	\$ 400,000
95	D27 GURR ROAD (1726)	87	10	6666751.395	2541994.855	\$300,000	\$ 400,000
96	L14 GUTHRIE ROAD (1727)	610	2	6640510.022	2568899.343	\$63,000	\$ 100,000
97	W82 HAILE ROAD (1729)	201	15	6634155.778	2616585.018	\$450,000	\$ 600,000
98	J07 HANSEN ROAD (WAIMAMAKU) (1732)	149	6			\$189,000	\$ 300,000
99	M25 HARRISON ROAD (1739)	14	24	6650497.144	2574385.27	\$720,000	\$ 900,000
100	D48 HAUMANGA ROAD (3058)	376	5	6658445.98	2536685.932	\$157,500	\$ 200,000
101	D49 HAUMANGA ROAD (3058)	2289	8	6657206.787	2536954.393	\$240,000	\$ 300,000
102	A31 HEATH ROAD (1751)	447	8	6691877.468	2529604.493	\$240,000	\$ 300,000
103	W41 HENARE ROAD (1753)	871	10	6633915.963	2604625.736	\$300,000	\$ 400,000
104	R27 HERBERT ROAD (WAIARE) (1757)	111	6	6672099.63	2582889.461	\$189,000	\$ 300,000
105	G31 HICKS ROAD (1758)	794	9	6657781.561	2541247.679	\$270,000	\$ 400,000

FAR NORTH DISTRICT COUNCIL BRIDGES									
Bridge No.	Roadway	Disp Start (m)	Road Length (m)	Northing	Easting	Approx cost to replace	Upper Limit Estimate		
106	F08	HIHI ROAD (1759)	61	8	6688597.554	2563120.04	\$240,000	\$	300,000
107	F07	HIHI ROAD (1759)	2380	19	6690403.452	2562226.816	\$570,000	\$	700,000
108	F06	HIHI ROAD (1759)	2957	17	6690691.018	2561729.099	\$510,000	\$	600,000
109	F14	HIHI ROAD (1759)	4389	10	6691793.28	2560920.423	\$300,000	\$	400,000
110	F05	HIHI ROAD (1759)	5115	9	6691866.418	2560286.733	\$270,000	\$	400,000
111	G06	HOKIAIA ROAD (3330)	54	4			\$128,000	\$	200,000
112	E60	HONEYMOON VALLEY ROAD (1778)	3571	18	6675155.604	2555761.347	\$540,000	\$	700,000
113	J08	HOKS AND HALLS ROAD (1788)	330	29	6627190.52	2552470.733	\$870,000	\$	1,100,000
114	W36	HORAHORA HEADS ROAD (1777)	1436	9	6630615.57	2608264.835	\$270,000	\$	400,000
115	W33	HORAHORA HEADS ROAD (1777)	1752	19	6630476.99	2607988.999	\$570,000	\$	700,000
116	M24	HOREKE ROAD (1785)	5406	39	6649826.153	2572105.365	\$1,170,000	\$	1,400,000
117	L03	HOREKE ROAD (1785)	15891	40	6648929.969	2563603.859	\$1,200,000	\$	1,500,000
118	H37	HUMPHREY ROAD (1776)	4	3	6655922.54	2550821.4	\$94,500	\$	200,000
119	T06	HUPARA ROAD (1775)	2066	6	6648969.632	2600472.781	\$189,000	\$	300,000
120	M08	IMMS ROAD (LAKE OMAPERU) (1794)	3707	12	6649314.137	2578336.102	\$360,000	\$	500,000
121	M17	IMMS ROAD (LAKE OMAPERU) (1794)	4044	9	6649320.328	2578018.649	\$270,000	\$	400,000
122	W37	INKSTERS ROAD (1797)	64	4	6630669.234	2609270.738	\$128,000	\$	200,000
123	W31	INKSTERS ROAD (1797)	5209	6	6627795.73	2609525.295	\$189,000	\$	300,000
124	C11	INLAND ROAD (1931)	36	12	6690694.213	2545600.241	\$360,000	\$	500,000
125	H27	IWITAU ROAD (1796)	130	46	6665648.364	2560082.237	\$1,380,000	\$	1,700,000
126	H28	IWITAU ROAD (1796)	2223	8	6666491.277	2561265.354	\$240,000	\$	300,000
127	H29	IWITAU ROAD (1796)	3026	28	6667181.098	2561457.061	\$840,000	\$	1,000,000
128	H30	IWITAU ROAD (1796)	3938	13	6667810.268	2561830.631	\$390,000	\$	500,000
129	H31	IWITAU ROAD (1796)	8487	12	6670788.458	2563137.444	\$360,000	\$	500,000
130	H01	IWITAU ROAD (1796)	12876	10	6673720.036	2564136.801	\$300,000	\$	400,000
131	J07	IWITAU ROAD (1796)	14710	8	6674323.961	2565049.511	\$240,000	\$	300,000
132	E79	JACENTHO ROAD (1799)	190	6	6675097.918	2551844.839	\$189,000	\$	300,000
133	H33	JACKSONS ROAD (OMAHUTA) (3379)	0	21	6636245.17	2552526.139	\$630,000	\$	800,000
134	E95	JASONS ROAD (3248)	130	28.8	6681000	2557000	\$68,000	\$	1,100,000
135	R01	JENNINGS ROAD (1806)	223	8	6667694.888	2592993.134	\$240,000	\$	300,000
136	L01	JORDAN ROAD (1812)	591	13	6641123.489	2579844.725	\$390,000	\$	500,000
137	L02	JORDAN ROAD (1812)	6356	15	6643457.357	2575837.041	\$450,000	\$	600,000
138	L07	JORDAN ROAD (1812)	9795	15	6641334.884	2573753.763	\$450,000	\$	600,000
139	M35	KAHIKATO ROAD (1815)	1607	3	6656261.269	2560009.379	\$94,500	\$	200,000
140	A29	KAIMAUMAU ROAD (1838)	2515	8	6696460.839	2530433.148	\$240,000	\$	300,000
141	A30	KAIMAUMAU ROAD (1838)	4386	5	6696407.461	2532113.279	\$157,500	\$	200,000
142	D58	KAITAIA-AWAROA ROAD (2598)	18880	24	6663587.583	2529907.33	\$720,000	\$	900,000
143	D42	KAITAIA-AWAROA ROAD (2598)	22370	37	6660528.575	2530305.086	\$1,110,000	\$	1,400,000
144	D40	KAITAIA-AWAROA ROAD (2598)	25256	9	6659670.418	2531617.544	\$270,000	\$	400,000
145	D47	KAITAIA-AWAROA ROAD (2598)	31006	32	6658783.544	2536524.952	\$960,000	\$	1,200,000
146	M05	KARAKA ROAD (1828)	189	10	6658206.759	2578284.795	\$300,000	\$	400,000
147	D55	KAUHANGA ROAD (1835)	8	19	6652151.645	2531325.009	\$570,000	\$	700,000
148	E15	KENANA ROAD (1844)	226	19	6684229.819	2562574.318	\$570,000	\$	700,000
149	S15	KERIKERI INLET ROAD (1795)	3470	27	6664261.197	2600539.888	\$810,000	\$	1,000,000
150	S16	KERIKERI INLET ROAD (1795)	6063	8	6663431.394	2602651.065	\$240,000	\$	300,000
151	S13	KERIKERI ROAD (1853)	5363	60	6684333.061	2598457.906	\$1,800,000	\$	2,200,000
152	E88	KITCHEN ROAD (1880)	489	23	6671984.951	2549204.894	\$690,000	\$	900,000
153	P21	KNUDSENS ROAD (1863)	272	12	6631120.473	2585963.564	\$360,000	\$	500,000
154	P22	KNUDSENS ROAD (1863)	1221	12	6631036.539	2585233.012	\$360,000	\$	500,000
155	P19	KNUDSENS ROAD (1863)	1825	9	6630977.171	2584652.557	\$270,000	\$	400,000
156	G24	KOHE ROAD (1884)	827	8	6654268.244	2539158.485	\$240,000	\$	300,000
157	H41	KOHUKOHU ROAD (1867)	2980	10	6656524.564	2555566.734	\$300,000	\$	400,000
158	E03	KOHUMARU ROAD (1862)	13	17	6667586.787	2560903.852	\$510,000	\$	600,000
159	E06	KOHUMARU ROAD (1862)	2406	8	6668568.571	2561842.378	\$240,000	\$	300,000
160	E44	KOHUMARU ROAD (1862)	17766	20	6678510.275	2559116.197	\$600,000	\$	800,000
161	E42	KOHUMARU ROAD (1862)	18793	30	6678532.963	2558172.726	\$900,000	\$	1,100,000
162	E33	KOHUMARU ROAD (1862)	19989	31	6679355.901	2557399.82	\$930,000	\$	1,100,000
163	K05	KOUTU LOOP ROAD (1879)	124	8	6635042.952	2649578.88	\$240,000	\$	300,000
164	W27	KUPA ROAD (1881)	106	37	6635801.337	2601765.417	\$1,110,000	\$	1,400,000
165	W28	KUPA ROAD (1881)	1627	4	6636858.287	2602463.265	\$126,000	\$	200,000
166	C09	LAKE OHIA FLOOD BYPASS ROAD (3450)	400	8			\$240,000	\$	300,000
167	M13	LAKE ROAD (OKAIHAU) (1891)	5071	16	6648812.449	2580947.843	\$480,000	\$	600,000
168	S09	LANDING ROAD (KERIKERI) (1888)	1790	36	6665072.366	2608451.487	\$1,080,000	\$	1,300,000
169	W02	LOVATT ROAD (1910)	2638	4	6624269.882	2596368.347	\$126,000	\$	200,000
170	W01	LOVATT ROAD (1910)	3219	34	6624470.885	2595953.988	\$1,020,000	\$	1,200,000
171	L06	MACDONNELL ROAD (1915)	151	12			\$360,000	\$	500,000
172	J32	MAHINEPUA ROAD (1917)	434	10	6688342.074	2587908.96	\$300,000	\$	400,000
173	X10	MANAWAORA ROAD (1924)	3418	9	6659347.028	2622836.985	\$270,000	\$	400,000
174	X05	MANAWAORA ROAD (1924)	6138	16	6659070.654	2624842.786	\$480,000	\$	600,000
175	X04	MANAWAORA ROAD (1924)	7835	14	6658816.75	2626055.539	\$420,000	\$	500,000
176	P23	MANGAKAHIA ROAD (1925)	14487	17	6631144.999	2586242.702	\$510,000	\$	600,000
177	P28	MANGAKAHIA ROAD (1925)	18851	9	6627036.026	2585980.288	\$270,000	\$	400,000
178	P29	MANGAKAHIA ROAD (1925)	21481	32	6624844.413	2588446.624	\$960,000	\$	1,200,000
179	P31	MANGAKAHIA ROAD (1925)	24240	19	6622202.982	2586906.124	\$570,000	\$	700,000
180	R06	MANGAKARETU ROAD (1927)	1114	19	6663186.986	2590584.646	\$570,000	\$	700,000
181	H21	MANGATAIPA ROAD (1932)	772	9	6662287.461	2558998.882	\$270,000	\$	400,000
182	H22	MANGATAIPA ROAD (1932)	2874	16	6663759.739	2557905.587	\$480,000	\$	600,000
183	M20	MANGATARAIRE ROAD (1933)	459	18	6649566.761	2572263.075	\$480,000	\$	600,000
184	M21	MANGATARAIRE ROAD (1933)	2332	13	6648801.478	2573855.845	\$390,000	\$	500,000
185	N23	MANGATAWA ROAD (1934)	590	16	6633098.654	2573619.781	\$480,000	\$	600,000
186	H35	MANSBRIDGE ROAD (1940)	554	11	6660213.153	2548633.865	\$330,000	\$	400,000
187	H09	MANSBRIDGE ROAD (1940)	1487	18	6660440.593	2549515.249	\$540,000	\$	700,000
188	D59	MANUKAU ROAD (1941)	575	20	6662534.413	2529873.733	\$600,000	\$	800,000
189	W54	MARLOW ROAD (1948)	945	19	6632241.407	2611710.407	\$570,000	\$	700,000
190	W55	MARLOW ROAD (1948)	3212	19	6630368.981	2611700.86	\$570,000	\$	700,000
191	W57	MARLOW ROAD (1948)	7665	12	6626828.973	2611695.507	\$360,000	\$	500,000
192	W30	MAROMAKU-TOWAI ROAD (1953)	1233	16	6634995.368	2610207.285	\$480,000	\$	600,000
193	W58	MAROMAKU-TOWAI ROAD (1953)	4020	13	6633063.782	2611738.31	\$390,000	\$	500,000
194	W74	MAROMAKU-TOWAI ROAD (1953)	4753	16	6633029.925	2612334.57	\$480,000	\$	600,000
195	W59	MAROMAKU-TOWAI ROAD (1953)	6505	10	6633368.959	2613509.951	\$300,000	\$	400,000
196	W17	MARTIN ROAD (POKERE) (1958)	276	5	6636070.251	2601590.367	\$157,500	\$	200,000
197	H23	MATA ROAD (1966)	9	19	6655773.411	2557299.01	\$570,000	\$	700,000
198	H24	MATA ROAD (1966)	3180	9	6653958.108	2555454.221	\$270,000	\$	400,000
199	C03	MATAI BAY ROAD (1968)	3574	19	6706331.719	2547303.761	\$570,000	\$	700,000
200	I37	MATAURI BAY ROAD (1972)	3249	18	6677432.135	2588240.823	\$540,000	\$	700,000
201	I35	MATAURI BAY ROAD (1972)	11179	4	6681812.771	2591740.655	\$126,000	\$	200,000
202	I34	MATAURI BAY ROAD (1972)	11579	13			\$390,000	\$	500,000
203	I68	MATAURI BAY CAMP ROAD	200	3			\$94,500	\$	200,000
204	I69	MATAURI BAY CAMP ROAD	500	3			\$94,500	\$	200,000
205	I33	MATAURI BEACH ROAD (1973)	2179	8	6684696.298	2594153.922	\$240,000	\$	300,000
206	I39	MATAURI LINK ROAD (1974)	32	8	6675149.71	2587484.593	\$240,000	\$	300,000
207	W22	MATAWAIA-MAROMAKU ROAD (1977)	891	21	6633212.183	2598192.912	\$630,000	\$	800,000
208	W24	MATAWAIA-MAROMAKU ROAD (1977)	4098	23	6633292.617	2600904.393	\$690,000	\$	900,000
209	W38	MATAWAIA-MAROMAKU ROAD (1977)	9488	8	6633498.019	2603404.845	\$240,000	\$	300,000
210	W39	MATAWAIA-MAROMAKU ROAD (1977)	10176	16	6633172.436	2603937.604	\$480,000	\$	600,000
211	W40	MATAWAIA-MAROMAKU ROAD (1977)	10750	13	6633181.198	2604504.032	\$390,000	\$	500,000
212	W29	MATAWAIA-MAROMAKU ROAD (1977)	11788	21	6633141.028	2605267.247	\$630,000	\$	800,000

FAR NORTH DISTRICT COUNCIL BRIDGES								
	Bridge No.	Roadway	Disp Start (m)	Road Length (m)	Northling	Easting	Approx cost to replace	Upper Limit Estimate
213	W46	MATAWAIA-MAROMAKU ROAD (1977)	15422	7	6634528.009	2607024.961	\$220,500	\$ 300,000
214	W47	MATAWAIA-MAROMAKU ROAD (1977)	15923	24	6634990.167	2607128.067	\$720,000	\$ 900,000
215	W49	MATAWAIA-MAROMAKU ROAD (1977)	19160	8	6635067.002	2609669.503	\$240,000	\$ 300,000
216	I47	MATAWHEROHIA ROAD (1979)	17	8	6676571.093	2580651.372	\$240,000	\$ 300,000
217	I48	MATAWHEROHIA ROAD (1979)	7781	10	6672197.403	2580382.6	\$300,000	\$ 400,000
218	P42	MATENE ROAD (1881)	29	9	6636280.996	2589595.437	\$270,000	\$ 400,000
219	D36	MCDONALD ROAD (DIGGERS VALLEY) (1989)	130	2	6660829.166	2533065.543	\$63,000	\$ 100,000
220	I62	MCGEE ROAD (1992)	135	2	6676094.433	2584969.235	\$63,000	\$ 100,000
221	I40	MCGEE ROAD (1992)	348	8	6676103.506	2585147.211	\$240,000	\$ 300,000
222	T22	MCINTYRES ROAD (1993)	58	14	6653042.15	2602803.804	\$420,000	\$ 500,000
223	E65	MEFFIN ROAD (1995)	174	27	6676772.316	2544703.949	\$810,000	\$ 1,000,000
224	E02	MILL BAY ROAD (2005)	1054	7	6689950.643	2559197.123	\$220,500	\$ 300,000
225	T27	MILL ROAD (2008)	1778	9	6645326.899	2606283.472	\$270,000	\$ 400,000
226	T46	MILL ROAD (2008)	3991	2			\$63,000	\$ 100,000
227	N32	MISSION OAK ROAD (2014)	122	31	6639192.101	2566334.13	\$930,000	\$ 1,100,000
228	W67	MONUMENT ROAD (2020)	8730	20	6636573.77	2620488.861	\$600,000	\$ 800,000
229	W53	MORGANS ROAD (3171)	90	17	6635702.604	2619780.285	\$510,000	\$ 600,000
230	W70	NELSONS ROAD (2030)	11	15	6639135.798	2620538.837	\$450,000	\$ 600,000
231	B05	NGAKAROA ROAD (3015)	126	9	6668758.499	2526031.138	\$270,000	\$ 400,000
232	P02	NGAWHITU ROAD (2044)	294	20	6643104.34	2598784.403	\$600,000	\$ 800,000
233	N26	NINIHI ROAD (2046)	236	9	6636296.31	2574628.18	\$270,000	\$ 400,000
234	B18	OHU ROAD (2058)	475	8	6681983.555	2537328.137	\$240,000	\$ 300,000
235	M23	OKAKA ROAD (2062)	294	15	6651570.178	2570233.955	\$450,000	\$ 600,000
236	UN11	OKAKEWAI ROAD (2063)	520	2.1			\$66,150	\$ 100,000
237	R19	OLD BAY ROAD (2068)	1915	11	6651771.01	2594303.658	\$330,000	\$ 400,000
238	R20	OLD BAY ROAD (2068)	3523	11	6652489.478	2595664.716	\$330,000	\$ 400,000
239	T42	OLD WHANGAE ROAD (2072)	100	24	6646275.184	2607584.976	\$720,000	\$ 900,000
240	T41	OLD WHANGAE ROAD (2072)	180	13	6646350.986	2607566.431	\$390,000	\$ 500,000
241	H25	OMAHUTA ROAD (2074)	3320	16	REFER TO REPORT	REFER TO REPORT	\$480,000	\$ 600,000
242	K06	OMANIA ROAD (2075)	2860	8	6637373.138	2557863.058	\$240,000	\$ 300,000
243	K03	OMANIA ROAD (2075)	4536	13	6638493.931	2558418.219	\$390,000	\$ 500,000
244	M30	OMAPERE ROAD (2077)	868	3	6644352.136	2582135.175	\$94,500	\$ 200,000
245	I43	OMAUUNU ROAD (2078)	5731	7	6673987.438	2578145.202	\$220,500	\$ 300,000
246	I44	OMAUUNU ROAD (2078)	8902	13	6673686.681	2575982.556	\$390,000	\$ 500,000
247	I45	OMAUUNU ROAD (2078)	11266	12	6671816.328	2575876.392	\$360,000	\$ 500,000
248	R03	ONEKURA ROAD (2079)	863	6	6687882.629	2588750.227	\$189,000	\$ 300,000
249	W28	OPAHU STATION ROAD (2082)	321	13	6634934.417	2601415.511	\$390,000	\$ 500,000
250	S17	OPITO BAY ROAD (2084)	39	2	6687559.122	2602330.2	\$63,000	\$ 100,000
251	P43	ORAKAU ROAD (2201)	3816	7	6636184.664	2589855.942	\$220,500	\$ 300,000
252	P44	ORAKAU ROAD (2201)	5495	19	6635072.07	2590864.512	\$570,000	\$ 700,000
253	P45	ORAKAU ROAD (2201)	5923	11	6635027.867	2591292.705	\$330,000	\$ 400,000
254	P35	ORAKAU ROAD (2201)	7355	16	6634225.794	2592387.574	\$480,000	\$ 600,000
255	P38	ORAKAU ROAD (2201)	7685	18	6633985.293	2592629.919	\$480,000	\$ 600,000
256	P37	ORAKAU ROAD (2201)	8042	15	6633733.6	2592796.152	\$450,000	\$ 600,000
257	P38	ORAKAU ROAD (2201)	8780	12	6633232.646	2593213.767	\$360,000	\$ 500,000
258	P39	ORAKAU ROAD (2201)	9386	9	6632711.76	2593040.944	\$270,000	\$ 400,000
259	P40	ORAKAU ROAD (2201)	9995	11	6632180.436	2593366.264	\$330,000	\$ 400,000
260	P41	ORAKAU ROAD (2201)	10257	8	6631933.107	2593480.07	\$240,000	\$ 300,000
261	P46	ORAKAU ROAD (2201)	15458	12	6632549.456	2597134.061	\$360,000	\$ 500,000
262	M26	ORIRA ROAD (2089)	78	16	6655695.29	2582250.975	\$480,000	\$ 600,000
263	T20	OROMAHOE ROAD (2092)	2726	11	6653204.145	2601742.042	\$330,000	\$ 400,000
264	T21	OROMAHOE ROAD (2092)	3383	16	6653226.67	2602393.319	\$480,000	\$ 600,000
265	T23	OROMAHOE ROAD (2092)	4348	6	6652886.041	2603265.992	\$189,000	\$ 300,000
266	A40	OROMANGA ROAD (2093)	525	10	6727229.673	2504672.842	\$300,000	\$ 400,000
267	E09	ORURU ROAD (2096)	2724	24	6686763.471	2533687.481	\$720,000	\$ 900,000
268	E23	ORURU ROAD (2096)	7296	37	6683484.428	2536327.118	\$1,110,000	\$ 1,400,000
269	P32	OTAENGA ROAD (2100)	290	6	6624582.545	2586180.183	\$189,000	\$ 300,000
270	P30	OTAENGA ROAD (2100)	1379	14	6629497.351	2585845.647	\$420,000	\$ 500,000
271	I03	OTANGAROA ROAD (2103)	257	26	6682097.987	2573925.222	\$780,000	\$ 1,000,000
272	I04	OTANGAROA ROAD (2103)	5842	15	6679373.791	2570027.924	\$450,000	\$ 600,000
273	I05	OTANGAROA ROAD (2103)	8749	44	6677167.62	2568438.747	\$1,320,000	\$ 1,600,000
274	I06	OTANGAROA ROAD (2103)	12885	5	6675358.578	2565775.049	\$157,500	\$ 200,000
275	I10	OTANGAROA ROAD (SIDE ROAD) (2105)	223	23			\$690,000	\$ 900,000
276	N33	OTATARA MARAE ROAD (2106)	450	24	6636822.94	2584989.157	\$720,000	\$ 900,000
277	N28	OTAUJA ROAD (2107)	407	20	6636509.748	2572855.481	\$600,000	\$ 800,000
278	G19	OTENGI ROAD (2108)	295	10	6645723.907	2545747.169	\$300,000	\$ 400,000
279	G20	OTENGI ROAD (2108)	953	6	6645203.936	2548045.753	\$189,000	\$ 300,000
280	B17	OTURU ROAD (2113)	702	10	6678523.483	2536476.388	\$300,000	\$ 400,000
281	T37	OWAE ROAD (2114)	2881	12	6645507.186	2815512.496	\$360,000	\$ 500,000
282	T38	OWAE ROAD (2114)	4939	12	6644745.043	2816979.124	\$360,000	\$ 500,000
283	D01	OWHATA ROAD (2115)	39	4	6656181.384	2529007.629	\$128,000	\$ 200,000
284	D64	OWHATA ROAD (2115)	1444	4	6655536.221	2528197.968	\$128,000	\$ 200,000
285	W73	PAJAKA ROAD (2120)	190	13	6633007.763	2614909.266	\$360,000	\$ 500,000
286	E83	PANTHER ROAD (2128)	24	18	6672682.382	2547183.825	\$540,000	\$ 700,000
287	W10	PARAHA ROAD (2131)	34	10	6635139.012	2597651.804	\$300,000	\$ 400,000
288	E22	PARANUI ROAD (2138)	2492	18	6684704.604	2535340.435	\$540,000	\$ 700,000
289	E29	PARANUI-TOATO A ROAD (3132)	3879	12	6681446.476	2551224.865	\$360,000	\$ 500,000
290	C29	PARAPARA ROAD (2134)	1985	8	6687955.01	2549937.865	\$240,000	\$ 300,000
291	C30	PARAPARA ROAD (2134)	3021	11	6684751.811	2549177.189	\$330,000	\$ 400,000
292	E24	PARAPARA-TOATO A ROAD (2133)	3199	17	6684598.187	2549322.54	\$510,000	\$ 600,000
293	E30	PARAPARA-TOATO A ROAD (2133)	7489	14	6681307.824	2550745.53	\$420,000	\$ 500,000
294	N21	PARKERS ROAD (2137)	1242	5	6622900.682	2573853.838	\$157,500	\$ 200,000
295	N05	PARKERS ROAD (2137)	1525	3	6622877.884	2573576.585	\$94,500	\$ 200,000
296	G11	PAWARENGA ROAD (2143)	5821	20	6655304.588	2542878.571	\$600,000	\$ 800,000
297	G13	PAWARENGA ROAD (2143)	8861	10	6653780.163	2541286.522	\$300,000	\$ 400,000
298	G14	PAWARENGA ROAD (2143)	9630	24	6653180.833	2540984.99	\$720,000	\$ 900,000
299	G15	PAWARENGA ROAD (2143)	11038	46	6653566.618	2539634.2	\$1,380,000	\$ 1,700,000
300	G16	PAWARENGA ROAD (2143)	14811	39	6651853.133	2536730.137	\$1,170,000	\$ 1,400,000
301	C21	PEKERAU ROAD (2148)	2501	10	6687782.527	2544384.75	\$300,000	\$ 400,000
302	C24	PEKERAU ROAD (2148)	4298	6	6686683.445	2545513.591	\$189,000	\$ 300,000
303	C25	PEKERAU ROAD (2148)	5082	6	6685963.83	2545362.379	\$189,000	\$ 300,000
304	C26	PEKERAU ROAD (2148)	5417	6	6685652.073	2545308.192	\$189,000	\$ 300,000
305	C27	PEKERAU ROAD (2148)	5656	11	6685434.902	2545391.051	\$330,000	\$ 400,000
306	C28	PEKERAU ROAD (2148)	6043	9	6685064.482	2545432.537	\$270,000	\$ 400,000
307	E38	PERIA ROAD (2156)	929	8	6677913.201	2544228.261	\$240,000	\$ 300,000
308	E41	PERIA ROAD (2156)	1205	10	6677968.198	2553953.561	\$300,000	\$ 400,000
309	E75	PERIA ROAD (2156)	5254	16	6676879.276	2550878.071	\$480,000	\$ 600,000
310	E78	PERIA VALLEY ROAD (2157)	3299	22	6674134.419	2550875.647	\$690,000	\$ 800,000
311	E77	PERIA VALLEY ROAD (2157)	5294	9	6675386.787	2551731.423	\$270,000	\$ 400,000
312	E57	PERIA VALLEY ROAD (2157)	8840	8	6676314.555	2553870.342	\$189,000	\$ 300,000
313	E56	PERIA VALLEY ROAD (2157)	10101	9	6676994.545	2554682.006	\$270,000	\$ 400,000
314	P18	PICADILLY ROAD (2159)	4093	24	6635602.13	2582883.017	\$720,000	\$ 900,000
315	W04	PIPIWAI ROAD (2184)	1385	11	6631879.864	2599594.285	\$330,000	\$ 400,000
316	W05	PIPIWAI ROAD (2184)	3943	11	6629762.023	2599802.847	\$330,000	\$ 400,000
317	W06	PIPIWAI ROAD (2184)	7013	9	6627950.696	2597163.576	\$270,000	\$ 400,000
318	W07	PIPIWAI ROAD (2184)	8701	10	6628613.31	2597807.328	\$300,000	\$ 400,000
319	W08	PIPIWAI ROAD (2184)	10514	38	6624849.937	2597993.761	\$1,140,000	\$ 1,400,000

FAR NORTH DISTRICT COUNCIL BRIDGES								
Bridge No.	Roadway	Disp Start (m)	Road Length (m)	Northing	Easting	Approx cost to replace	Upper Limit Estimate	
320	W09	PIPIWAI ROAD (2164)	12305	15	6623492.849	2599003.998	\$450,000	\$ 800,000
321	T04	POKAPU ROAD (2169)	282	18	6643711.742	2600644.787	\$480,000	\$ 600,000
322	T03	POKAPU ROAD (2189)	1009	13	6643091.127	2600295.32	\$390,000	\$ 500,000
323	T05	POKAPU ROAD (2169)	3097	22	6641281.605	2599692.955	\$660,000	\$ 800,000
324	W13	POKAPU ROAD (2169)	3559	37	6640821.356	2599666.195	\$1,110,000	\$ 1,400,000
325	W14	POKAPU ROAD (2169)	4255	19	6640337.478	2599252.979	\$570,000	\$ 700,000
326	W19	POKAPU ROAD (2169)	7193	12	6637887.118	2598136.996	\$360,000	\$ 500,000
327	W20	POKAPU ROAD (2169)	7420	10	6637681.58	2598228.975	\$300,000	\$ 400,000
328	W21	POKAPU ROAD (2169)	12536	11	6633552.255	2597352.689	\$330,000	\$ 400,000
329	D37	POWELLS ROAD (DIGGERS VALLEY) (2177)	105	19	6661233.712	2533208.888	\$570,000	\$ 700,000
330	D35	POWELLS ROAD (DIGGERS VALLEY) (2177)	1118	8	6661764.781	2532351.447	\$240,000	\$ 300,000
331	D50	PUHATA ROAD (2184)	46	9	6658343.539	2530057.738	\$270,000	\$ 400,000
332	D51	PUHATA ROAD (2184)	1042	6	6657657.185	2530481.387	\$189,000	\$ 300,000
333	D52	PUHATA ROAD (2184)	1122	8	6657615.681	2530459.07	\$240,000	\$ 300,000
334	W44	PUHTIA ROAD (2186)	53	10	6631087.846	2604691.212	\$300,000	\$ 400,000
335	H08	PUKEMIRO ROAD (2188)	361	37	6659968.847	2544665.573	\$1,110,000	\$ 1,400,000
336	M01	PUKEPOTO ROAD (OKAIHAU) (2191)	315	10	6655768.591	2578019.135	\$300,000	\$ 400,000
337	M02	PUKETI ROAD (2193)	286	37	6656991.367	2576447.474	\$1,110,000	\$ 1,400,000
338	N25	PUNAKITERE LOOP ROAD (2200)	283	36	6637031.737	2574887.113	\$1,080,000	\$ 1,300,000
339	N27	PUNAKITERE LOOP ROAD (2200)	5375	31	6637556.746	2570859.772	\$930,000	\$ 1,100,000
340	I17	PUPUKE MANGAPA ROAD (2203)	1648	10	6677664.596	2577279.052	\$300,000	\$ 400,000
341	I18	PUPUKE MANGAPA ROAD (2203)	5823	45	6675369.118	2575268.477	\$1,350,000	\$ 1,600,000
342	I19	PUPUKE MANGAPA ROAD (2203)	9399	12	6673517.603	2573028.221	\$360,000	\$ 500,000
343	I20	PUPUKE MANGAPA ROAD (2203)	13508	14	6670561.582	2570989.753	\$420,000	\$ 500,000
344	S11	PURERUA ROAD (2205)	670	18	6667630.19	2596447.183	\$540,000	\$ 700,000
345	S01	PURERUA ROAD (2205)	1860	14	6668492.69	2597147.985	\$420,000	\$ 500,000
346	B49	PURIRI PLACE (2205)	0	18	6675616.792	2535445.35	\$540,000	\$ 700,000
347	B16	QUARRY ROAD (AWANUI) (2210)	5683	10	6679128.15	2537169.395	\$300,000	\$ 400,000
348	M12	QUARRY ROAD (KAIKOHE) (2209)	230	12	6643841.579	2584357.589	\$360,000	\$ 500,000
349	M18	RAHURI SETTLEMENT ROAD (2214)	39	50	6656104.839	2571092.748	\$1,500,000	\$ 1,800,000
350	P03	RAKAUTAO ROAD (3024)	201	12	6641696.804	2593995.715	\$360,000	\$ 500,000
351	N01	RAKAUWAHIA ROAD (2219)	2097	28	6639637.216	2577360.639	\$840,000	\$ 1,000,000
352	L09	RAKAUWAHIA ROAD (2219)	4806	10	6640253.011	2574760.183	\$300,000	\$ 400,000
353	N31	RAMSEY ROAD (2221)	1696	18	6636469.03	2569997.443	\$540,000	\$ 700,000
354	M19	RANGIAHUA ROAD (2225)	5543	24	6651754.952	2567099.466	\$720,000	\$ 900,000
355	S03	RANGIHOA ROAD (2227)	786	9	6672951.461	2606053.863	\$270,000	\$ 400,000
356	S04	RANGIHOA ROAD (2227)	1764	9	6672952.931	2606913.075	\$270,000	\$ 400,000
357	S05	RANGIHOA ROAD (2227)	2390	3	6672504.909	2607254.893	\$94,500	\$ 200,000
358	S08	RANGIHOA ROAD (2227)	4964	10	6670751.797	2608732.02	\$300,000	\$ 400,000
359	D81	RANGIKOHU ROAD (EPIKAURI ROAD) (2229)	599	28	6660578.046	2529511.369	\$840,000	\$ 1,000,000
360	W32	RATA TIPENE ROAD (2238)	133	12	6628455.788	2608503.355	\$360,000	\$ 500,000
361	X03	RAWHITI ROAD (NORTH) (2240)	1167	12	6659674.841	2628139.58	\$360,000	\$ 500,000
362	X02	RAWHITI ROAD (SOUTH) (3075)	7031	18	6653934.984	2628930.749	\$540,000	\$ 700,000
363	X01	RAWHITI ROAD (SOUTH) (3075)	7768	9	6653536.288	2628420.035	\$270,000	\$ 400,000
364	S02	REDCLIFFS ROAD (2247)	493	16	6667113.312	2598746.246	\$480,000	\$ 600,000
365	N24	RENWICK ROAD (2252)	1429	9	6631476.378	2573985.416	\$270,000	\$ 400,000
366	N38	RENWICK ROAD SIDE ROAD (2252)	2550	14	6630480.155	2573527.645	\$420,000	\$ 500,000
367	B31	ROMA ROAD (2285)	60	9	6668857.577	2526025.06	\$270,000	\$ 400,000
368	B32	ROMA ROAD (2285)	713	11	6668759.075	2525458.836	\$330,000	\$ 400,000
369	W51	RUAPEKAPEKA ROAD (2275)	56	7	6634442.206	2613390.4	\$220,500	\$ 300,000
370	D02	RUAROA ROAD (2276)	1852	9	6674303.408	2541488.151	\$270,000	\$ 400,000
371	D05	RUAROA ROAD (2276)	6252	50	6670831.402	2542336.113	\$1,500,000	\$ 1,800,000
372	G12	RUNARUNA ROAD (2278)	8993	8	6648296.102	2545133.999	\$240,000	\$ 300,000
373	W52	RUSK ROAD (3044)	2906	9	6630035.597	2615809.546	\$270,000	\$ 400,000
374	W71	RUSSEK ROAD (2280)	610	1.8			\$56,700	\$ 100,000
375	C22	RUSSELL ROAD (2283)	150	9	6688375.075	2544674.87	\$270,000	\$ 400,000
376	X12	RUSSELL-WHAKAPARA ROAD (2284)	8878	17	6655117.984	2619150.105	\$510,000	\$ 600,000
377	A25	SALVATION ROAD (HOUHORA) (2290)	720	8			\$240,000	\$ 300,000
378	I02	SALVATION ROAD (WHANGAROA) (2289)	2668	9	6686319.045	2571778.789	\$270,000	\$ 400,000
379	B14	SANDHILLS ROAD (2292)	15549	12	6682218.775	2531696.86	\$360,000	\$ 500,000
380	I14	SCHOOL ROAD (TOTARA NORTH) (3122)	192	13	6684286.127	2575966.345	\$390,000	\$ 500,000
381	T28	SETTLEMENT ROAD (2304)	1500	9	6644297.369	2606564.214	\$270,000	\$ 400,000
382	E01	SILVER EGG ROAD (2315)	177	8	6690321.701	2690007.937	\$240,000	\$ 300,000
383	C07	SIMON URLICH ROAD (2316)	730	9	6701224.651	2544606.788	\$270,000	\$ 400,000
384	A36	SPAINS ROAD (2334)	1876	14	6694913.8	2532233.351	\$420,000	\$ 500,000
385	S10	STANNERS ROAD (2340)	994	10	669010.005	2584223.248	\$300,000	\$ 400,000
386	N04	STEWARDS ROAD (2345)	209	23	6630508.943	2579042.314	\$690,000	\$ 900,000
387	F09	STONE CREEK ROAD (2346)	5468	2	6692092.491	2565305.34	\$63,000	\$ 100,000
388	F10	STONE CREEK ROAD (2346)	6880	2.1			\$65,150	\$ 100,000
389	B47	STURMFEL ROAD (2349)	1491	2	6672677.342	2541284.957	\$63,000	\$ 100,000
390	E82	SWITZER ROAD (2353)	8	11	6676149.969	2546796.458	\$390,000	\$ 500,000
391	L04	TAHEKE ROAD (2359)	3968	25			\$750,000	\$ 900,000
392	L05	TAHEKE ROAD (2359)	4994	14	6641497.193	2587104.652	\$420,000	\$ 500,000
393	J06	TAITA ROAD (2368)	1275	14	6628058.662	2554895.033	\$420,000	\$ 500,000
394	J16	TAITA ROAD (2368)	5525	8	6628749.052	2556422.38	\$240,000	\$ 300,000
395	D03	TAKAHUE ROAD (2371)	435	11	6673036.415	2543784.198	\$330,000	\$ 400,000
396	D04	TAKAHUE ROAD (2371)	1798	12	6671925.867	2542985.978	\$360,000	\$ 500,000
397	D08	TAKAHUE ROAD (2371)	3062	9	6670768.29	2542541.485	\$270,000	\$ 400,000
398	D12	TAKAHUE ROAD (2371)	5146	12	6668755.215	2542841.255	\$360,000	\$ 500,000
399	D13	TAKAHUE ROAD (2371)	5537	38	6668599.633	2542544.456	\$1,140,000	\$ 1,400,000
400	D14	TAKAHUE ROAD (2371)	6187	19	6668096.454	2542261.864	\$570,000	\$ 700,000
401	D19	TAKAHUE SADDLE ROAD (BROADWOOD) (2372)	1601	10	6661203.875	2545568.54	\$300,000	\$ 400,000
402	D20	TAKAHUE SADDLE ROAD (BROADWOOD) (2372)	2359	7	6661740.741	2545679.812	\$220,500	\$ 300,000
403	P51	TANA ROAD (2377)	218	12	6642043.616	2595801.023	\$360,000	\$ 500,000
404	W83	TAPUHI ROAD (2384)	612	25	6630962.57	2619776.866	\$750,000	\$ 900,000
405	W54	TAPUHI ROAD (2384)	2144	22	6632018.814	2618959.21	\$660,000	\$ 800,000
406	W65	TAPUHI ROAD (2384)	3271	10	6632849.125	2620165.596	\$300,000	\$ 400,000
407	W66	TAPUHI ROAD (2384)	7933	11	6635951.132	2619790.957	\$330,000	\$ 400,000
408	W89	TAPUHI ROAD (2384)	10042	9	6637673.605	2620586.815	\$270,000	\$ 400,000
409	I38	TARAIRE ROAD (2387)	2349	10	6678364.593	2586937.573	\$300,000	\$ 400,000
410	D80	TATANA ROAD (2392)	751	9	6662139.053	2529418.792	\$270,000	\$ 400,000
411	C31	TAUMATA ROAD (2394)	108	28	6687116.961	2548975.443	\$840,000	\$ 1,000,000
412	C32	TAUMATA ROAD (2394)	2286	8	6685997.878	2547344.362	\$240,000	\$ 300,000
413	C33	TAUMATA ROAD (2394)	3495	13	6684975.381	2547241.184	\$390,000	\$ 500,000
414	C34	TAUMATA ROAD (2394)	5158	13	6683546.128	2546671.853	\$390,000	\$ 500,000
415	F01	TAUPO BAY ROAD (2398)	2300	12	6690200.324	2568645.61	\$360,000	\$ 500,000
416	F02	TAUPO BAY ROAD (2398)	3626	11	6690204.822	2569722.08	\$330,000	\$ 400,000
417	F04	TAUPO BAY ROAD (2398)	10011	6	6690182.979	2575276.432	\$189,000	\$ 300,000
418	I31	TAURANGA BAY BEACH ROAD (2399)	18	16	6685753.583	2584371.997	\$480,000	\$ 600,000
419	I29	TAURANGA BAY ROAD (2400)	148	4	6685846.46	2584279.981	\$128,000	\$ 200,000
420	I30	TAURANGA BAY ROAD (2400)	1621	8	6686926.729	2583483.388	\$240,000	\$ 300,000
421	G25	TAUTORO ROAD (2402)	131	12	6646635.775	2545741.769	\$360,000	\$ 500,000
422	N03	TAWATA ROAD (3182)	316	12			\$360,000	\$ 500,000
423	E26	TAYLOR ROAD (2405)	33	10	6682616.239	2553818.87	\$300,000	\$ 400,000
424	E28	TAYLOR ROAD (2405)	2419	12	6680880.062	2554184.756	\$360,000	\$ 500,000
425	A13	TE AHU ROAD (2408)	370	10	6727186.649	2507639.053	\$300,000	\$ 400,000
426	A05	TE HAPUA ROAD (2411)	2126	13	6743704.901	2497592.84	\$390,000	\$ 500,000

FAR NORTH DISTRICT COUNCIL BRIDGES							
Bridge No.	Roadway	Disp Start (m)	Road Length (m)	Northing	Easting	Approx cost to replace	Upper Limit Estimate
427	H43 TE HUAHUA ROAD (2413)	1382	4	6650253.691	2554634.078	\$128,000	\$ 200,000
428	P90 TE IRENGA ROAD (2415)	400	4	6635596.6	2581687.001	\$126,000	\$ 200,000
429	E53 TE KAROA ROAD (2418)	89	25	6675536.096	2560635.336	\$750,000	\$ 900,000
430	E54 TE KAROA ROAD (2418)	466	8	6675194.316	2560759.004	\$240,000	\$ 300,000
431	T19 TE KARUWHI PARADE (2420)	622	162	6657931.654	2609066.99	\$4,860,000	\$ 5,800,000
432	E08 TE MOHO ROAD (3152)	207	3	6686603.49	2549988.055	\$94,500	\$ 200,000
433	A09 TE PAKI STREAM ROAD (2424)	1489	11	6743042.894	2491738.969	\$330,000	\$ 400,000
434	D11 TE RORE ROAD	4900	1.8			\$56,700	\$ 100,000
435	D09 TE RORE ROAD (2430)	7710	6	6672420.08	2546600.882	\$189,000	\$ 300,000
436	M27 TE TIO ROAD (2432)	1589	18	6655776.355	2562220.371	\$540,000	\$ 700,000
437	I51 TIPA TIPA ROAD (2444)	7640	31	6678844.407	2569026.51	\$930,000	\$ 1,100,000
438	W42 TIPENE ROAD (2445)	895	10	6632163.711	2604550.328	\$300,000	\$ 400,000
439	W43 TIPENE ROAD (2445)	1187	9	6631888.706	2604482.282	\$270,000	\$ 400,000
440	M07 TOIA ROAD (2451)	1726	12	6648155.215	2579593.448	\$360,000	\$ 500,000
441	P33 TOKAWHERO ROAD (2452)	3265	16	6624436.294	2589007.134	\$480,000	\$ 600,000
442	P34 TOKAWHERO ROAD (2452)	5425	9	6624257.767	2590438.834	\$270,000	\$ 400,000
443	I50 TOTARA NORTH ROAD (2454)	2995	12	6684423.968	2576493.352	\$360,000	\$ 500,000
444	I53 PORTERS ACCESS ROAD EXTENSION	140	16	6684113.877	2582345.73	\$480,000	\$ 600,000
445	E81 TRACEY ROAD (2458)	315	8	6673462.224	2550346.357	\$240,000	\$ 300,000
446	A28 TURK VALLEY ROAD (3302)	345	3			\$94,500	\$ 200,000
447	R26 UPOKORAU ROAD (2471)	279	32	6673206.2	2585864.887	\$960,000	\$ 1,200,000
448	R08 VALENCIA LANE (2473)	354	5	6660914.492	2593382.968	\$157,500	\$ 200,000
449	E85 VICTORIA VALLEY ROAD (2478)	460	46	6672648.996	2547919.894	\$1,380,000	\$ 1,700,000
450	R10 WAIARE ROAD (2484)	14650	20	6663374.938	2583600.117	\$600,000	\$ 800,000
451	R09 WAIARE ROAD (2484)	15589	24	6684024.012	2583591.443	\$720,000	\$ 900,000
452	R25 WAIARE ROAD (2484)	25985	25	6672054.191	2582960.845	\$750,000	\$ 900,000
453	R24 WAIARE ROAD (2484)	27197	48	6672520.996	2583881.673	\$1,440,000	\$ 1,700,000
454	R23 WAIARE ROAD (2484)	33367	11	6675505.988	2583648.331	\$330,000	\$ 400,000
455	R22 WAIARE ROAD (2484)	33491	52	6675624.277	2583616.778	\$1,560,000	\$ 1,800,000
456	R21 WAIARE ROAD (2484)	34490	36	6676533.673	2583471.632	\$1,080,000	\$ 1,300,000
457	I08 WAIHAPA ROAD (2486)	1837	6	6679000.194	2573230.612	\$189,000	\$ 300,000
458	I09 WAIHAPA ROAD (2486)	2094	6	6678503.843	2573258.736	\$189,000	\$ 300,000
459	R18 WAIKARAMU ROAD (2488)	2790	8	6651577.956	2592951.157	\$240,000	\$ 300,000
460	T36 WAIKARE ROAD (2491)	5980	7	6647104.054	2615428.414	\$220,500	\$ 300,000
461	X14 WAIKARE ROAD (2491)	15142	13	6649718.709	2620669.487	\$390,000	\$ 500,000
462	X15 WAIKARE ROAD (2491)	17006	25	6650417.196	2622284.933	\$750,000	\$ 900,000
463	X06 WAIKARE ROAD (2491)	17870	17	6651048.721	2622829.287	\$510,000	\$ 600,000
464	X07 WAIKARE ROAD (2491)	18838	11	6651978.319	2622899.2	\$330,000	\$ 400,000
465	X08 WAIKARE VALLEY ROAD (2485)	2240	30.0			\$900,000	\$ 1,100,000
466	T32 WAIKINO ROAD (2493)	50	17	6647403.341	2614612.403	\$510,000	\$ 600,000
467	I58 WAIKOURA ROAD (2494)	993	3	6680413.474	2580877.356	\$94,500	\$ 200,000
468	R07 WAIKUKU ROAD (2495)	2213	12	6653939.794	2588252.004	\$360,000	\$ 500,000
469	N30 WAIMA VALLEY ROAD (2497)	2986	13	6636802.529	2565649.709	\$390,000	\$ 500,000
470	T08 WAIMANGARO ROAD (3174)	0	8	6653549.5	2611242.9	\$240,000	\$ 300,000
471	R15 WAIMATE NORTH ROAD (2500)	5051	8			\$240,000	\$ 300,000
472	R16 WAIMATE NORTH ROAD (2500)	718	35	6655853.291	2592850.547	\$1,050,000	\$ 1,300,000
473	R17 WAIMATE NORTH ROAD (2500)	9999	8	6654434.392	2592308.086	\$189,000	\$ 300,000
474	P15 WAIMATENUI / MATARAU ROAD (2600)	5470	33	6636209.138	2581709.952	\$990,000	\$ 1,200,000
475	N08 WAIMATENUI / MATARAU ROAD (2600)	7110	8	6634808.753	2581188.663	\$240,000	\$ 300,000
476	N10 WAIMATENUI / MATARAU ROAD (2600)	11713	6	6631088.41	2579889.542	\$189,000	\$ 300,000
477	N12 WAIMATENUI / MATARAU ROAD (2600)	13552	8	6629639.005	2579404.655	\$240,000	\$ 300,000
478	N13 WAIMATENUI / MATARAU ROAD (2600)	14858	9	6628833.498	2579053.245	\$270,000	\$ 400,000
479	N14 WAIMATENUI / MATARAU ROAD (2600)	15617	19	6628239.158	2578366.392	\$570,000	\$ 700,000
480	N15 WAIMATENUI / MATARAU ROAD (2600)	16735	73	6627427.218	2577820.033	\$2,190,000	\$ 2,600,000
481	N16 WAIMATENUI / MATARAU ROAD (2600)	16978	48	6627308.974	2577624.537	\$1,440,000	\$ 1,700,000
482	N18 WAIMATENUI / MATARAU ROAD (2600)	18514	16	6626350.077	2576963.657	\$480,000	\$ 600,000
483	N19 WAIMATENUI / MATARAU ROAD (2600)	24864	13	6622560.906	2575201.697	\$390,000	\$ 500,000
484	I22 WAINUI ROAD (2503)	4095	5	6683142.339	2562517.836	\$157,500	\$ 200,000
485	I23 WAINUI ROAD (2503)	5000	22	6683836.76	2563086.117	\$660,000	\$ 800,000
486	I24 WAINUI ROAD (2503)	8339	22	6685548.413	2585070.888	\$660,000	\$ 800,000
487	I25 WAINUI ROAD (2503)	13087	10	6687957.573	2587236.54	\$300,000	\$ 400,000
488	I65 WAINUI VALLEY ROAD (2504)	230	4	6688707.029	2588880.806	\$126,000	\$ 200,000
489	I26 WAINUI-MATAURI BAY ROAD (2505)	28	10	6686927.073	2588909.078	\$300,000	\$ 400,000
490	I27 WAINUI-MATAURI BAY ROAD (2505)	2066	8	6686058.047	2590192.495	\$240,000	\$ 300,000
491	D15 WAIOTEHUE ROAD (2509)	304	12	6666716.535	2541789.729	\$360,000	\$ 500,000
492	D25 WAIOTEHUE ROAD (2509)	6383	25	6664719.505	2538997.414	\$750,000	\$ 900,000
493	D28 WAIOTEHUE ROAD (2509)	9982	9	6663146.018	2538159.425	\$270,000	\$ 400,000
494	D29 WAIOTEHUE ROAD (2509)	11587	25	6662218.463	2538848.773	\$750,000	\$ 900,000
495	J09 WAIOTEMARAMA GORGE ROAD (2510)	1058	14	6633232.197	2548946.132	\$420,000	\$ 500,000
496	J10 WAIOTEMARAMA GORGE ROAD (2510)	1331	9	6633076.549	2548154.175	\$270,000	\$ 400,000
497	J11 WAIOTEMARAMA GORGE ROAD (2510)	2126	12	6632500.065	2549508.687	\$360,000	\$ 500,000
498	J12 WAIOTEMARAMA GORGE ROAD (2510)	6406	14	6629755.472	2550382.423	\$420,000	\$ 500,000
499	I28 WAIAPU CREEK ROAD (3340)	42	12			\$360,000	\$ 500,000
500	T01 WAKELIN ROAD (2520)	3921	3	6657335.394	2601777.01	\$94,500	\$ 200,000
501	E84 WALLACE ROAD (VIC VALLEY) (2502)	37	8	6675129.7	2548041.75	\$240,000	\$ 300,000
502	M10 WALLIS ROAD (2524)	896	12	6645942.516	2585315.515	\$360,000	\$ 500,000
503	I15 WEBER WAIHAPA ROAD (2532)	1666	4	6680625.782	2573521.364	\$126,000	\$ 200,000
504	I16 WEBER WAIHAPA ROAD (2532)	1995	2	6680472.742	2573800.872	\$63,000	\$ 100,000
505	UN29 WEBER WAIHAPA ROAD (2532)	5350	2.0			\$63,000	\$ 100,000
506	J01 WEKAWEKA ROAD (2535)	972	55	6628465.772	2555624.182	\$1,650,000	\$ 2,000,000
507	J02 WEKAWEKA ROAD (2535)	2078	6	6628451.54	2558668.181	\$189,000	\$ 300,000
508	J03 WEKAWEKA ROAD (2535)	4034	13	6625408.098	2557860.797	\$390,000	\$ 500,000
509	J15 WEKAWEKA ROAD (2535)	7125	4	6625554.815	2560307.281	\$126,000	\$ 200,000
510	J14 WEKAWEKA ROAD (2535)	7139	12	6625552.864	2560320.722	\$360,000	\$ 500,000
511	J04 WEKAWEKA ROAD (2535)	9130	10	6625202.691	2562084.527	\$300,000	\$ 400,000
512	J05 WEKAWEKA ROAD (2535)	14439	8	6625753.117	2565186.839	\$240,000	\$ 300,000
513	H02 WEST COAST ROAD (KOHUKOHU) (2543)	12258	58	6648673.495	2550929.204	\$1,740,000	\$ 2,100,000
514	G02 WEST COAST ROAD (KOHUKOHU) (2543)	21552	13	6648671.979	2545573.32	\$390,000	\$ 500,000
515	G01 WEST COAST ROAD (KOHUKOHU) (2543)	25150	37	6643712.616	2545498.498	\$1,110,000	\$ 1,400,000
516	G03 WEST COAST ROAD (KOHUKOHU) (2543)	28637	11	6642661.812	2543737.332	\$330,000	\$ 400,000
517	G04 WEST COAST ROAD (KOHUKOHU) (2543)	29784	11	6641770.265	2543155.507	\$330,000	\$ 400,000
518	G05 WEST COAST ROAD (KOHUKOHU) (2543)	38534	18	6640497.137	2536672.924	\$540,000	\$ 700,000
519	A27 WHALERS ROAD (2553)	679	14	8706907.15	2522812.502	\$420,000	\$ 500,000
520	T24 WHANGAE ROAD (2554)	3238	18	6649159.884	2606800.978	\$540,000	\$ 700,000
521	T12 WHANGAE ROAD (2554)	5253	5	6650864.808	2605879.736	\$157,500	\$ 200,000
522	D62 WHANGAPE ROAD (2555)	3294	9	6656814.96	2529607.59	\$270,000	\$ 400,000
523	D63 WHANGAPE ROAD (2555)	3379	8	6656700.322	2529628.054	\$240,000	\$ 300,000
524	N11 WHAREPUNGA ROAD (2563)	249	22	6630842.832	2579267.37	\$960,000	\$ 1,200,000
525	N22 WHAREPUNGA ROAD (2563)	829	16	6631081.584	2578722.784	\$480,000	\$ 600,000
526	K04 WIKAIRAS ROAD (2606)	249	22	6638302.162	2552882.956	\$660,000	\$ 800,000
527	F11 WINDUST ROAD (2582)	247	10	6687655.471	2565857.978	\$300,000	\$ 400,000
528	R14 WIROA ROAD (2586)	7847	8	6658293.686	2588839.327	\$240,000	\$ 300,000
529	B35 WRECK BAY ROAD (2589)	532	9	6669116.615	2521795.294	\$270,000	\$ 400,000
530	C35 ZIDICH ROAD	10	1.8			\$56,700	\$ 100,000
TOTAL						\$237,360,900	\$ 304,000,000

From: Ernst Zollner
Sent: Friday, 6 March 2015 2:54 p.m.
To: Matthew.Skinner@parliament.govt.nz
Cc: Geoff Dangerfield; Gail Wilson
Subject: Re: High Priority Request

Hi Matthew

Please find attached the expanded draft RLTP programme tables or spreadsheet, as requested.

These are the normal caveats:

1. Because we added information (column, row, cells) to sheets there are likely to now be errors in the underlying Regional Council spreadsheet; please treat 'sum' totals with care as we have not had a chance to QA the formulas
2. Please also treat all 'cost estimates' with some care; for example, cost estimates that relate to bridge replacements are just that - no detailed investigation or design has been undertaken.
3. Some projects still require resource consents and land acquisition, so the estimates for construction (or even certainty of construction) are best estimates only.

Please let me know if you need any additional information.

Regards

Ernst
021 2415308

RELEASED UNDER THE
OFFICIAL INFORMATION ACT 1982

State Highway Improvements - Prioritised (includes New and Improved)

QID	Corridor	Project Name	Phase	Safety	Key benefits	Residence	Scheduled Start Date	Scheduled Duration (months)	Project Cost Estimates (\$)				Funding Source	RTC Rating using NZTA system	NZTA Comment on rating Approval	FAR	NZTA	
									\$M	\$M	\$M	\$M					Share	Cost
NZTA	Whangarei	SH1 Corridor Improvements - Whangarei	Construction	Y	Y	Y	2017/12	36	\$1818	\$617	\$1716	\$13,992,000	NLF	100%	100%	\$13,992,000	\$13,992,000	
NZTA	Northland to Auckland	SH1N - Bypass/over North Side Station Project	Construction	Y	Y	Y	2019/16	24	\$7,683,000	\$3,605,000	\$4,078,000	\$16,250,000	NLF	100%	100%	\$16,250,000	\$16,250,000	
NZTA	Bay of Islands to Whangarei	SH1A - Bypass/over North Side Station Project	Construction	Y	Y	Y	2019/16	24	\$5,000,000	\$4,300,000	\$700,000	\$9,300,000	NLF	100%	100%	\$9,300,000	\$9,300,000	
NZTA	Northland to Auckland	SH1N - SH12 Arahake to Ukiwaka	Investigation Design & Construction	Y	Y	Y	2019/18	24	\$250,000	\$250,000	\$0	\$500,000	NLF	100%	100%	\$500,000	\$500,000	
NZTA	SH11	SH11 - SH11 Arahake to Ukiwaka	Investigation Design & Construction	Y	Y	Y	2019/18	24	\$175,000	\$175,000	\$0	\$350,000	NLF	100%	100%	\$350,000	\$350,000	
NZTA	SH12	SH12 - Dargaville to Tokohaka	Design & Construction	Y	Y	Y	2019/16	12	\$300,000	\$1,000,000	\$700,000	\$1,300,000	NLF	100%	100%	\$1,300,000	\$1,300,000	
NZTA	Bay of Islands to Whangarei	SH1B - SH1B Ohaewai to Whangarei	Investigation Design & Construction	Y	Y	Y	2019/16	48	\$500,000	\$1,000,000	\$500,000	\$1,500,000	NLF	100%	100%	\$1,500,000	\$1,500,000	
NZTA	Northland to Auckland	SH1 - SH12 Arahake to Ukiwaka	Investigation	Y	Y	Y	2019/16	36	\$4,000,000	\$5,000,000	\$1,000,000	\$10,000,000	NLF	100%	100%	\$10,000,000	\$10,000,000	
NZTA	Network-wide	Enhanced Network Resilience - Preventative, stormwater, strengthening alternative routes	Various	Y	Y	Y	2019/16	36	\$4,000,000	\$5,000,000	\$1,000,000	\$10,000,000	NLF	100%	100%	\$10,000,000	\$10,000,000	
NZTA	Northland to Auckland	SH1N Logi Rd to Shearers Hill ST	Construction	Y	Y	Y	2019/19	36	\$500,000	\$8,900,000	\$8,400,000	\$15,900,000	NLF	100%	100%	\$15,900,000	\$15,900,000	
NZTA	SH10 Kaitake	SH10 Kaitake	Investigation Design & Construction	Y	Y	Y	2019/18	24	\$131,000	\$2,000,000	\$1,869,000	\$2,131,000	NLF	100%	100%	\$2,131,000	\$2,131,000	
NZTA	SH10 Kaitake	Pukitona Roundabout	Design & Construction	Y	Y	Y	2019/18	24	\$500,000	\$3,500,000	\$3,000,000	\$4,000,000	NLF	100%	100%	\$4,000,000	\$4,000,000	
NZTA	Bay of Islands to Whangarei	SH1A - SH1A Intersection Improvements	Investigation Design & Construction	Y	Y	Y	2019/16	24	\$90,000	\$1,850,000	\$1,760,000	\$1,950,000	NLF	100%	100%	\$1,950,000	\$1,950,000	
NZTA	SH14	Hospital Rd/SH14	Design & Construction	Y	Y	Y	2019/16	12	\$4,000,000	\$4,000,000	\$0	\$8,000,000	NLF	100%	100%	\$8,000,000	\$8,000,000	
NZTA	SH10 Coropaki Beach	SH10 Coropaki Beach	Investigation Design & Construction	Y	Y	Y	2019/19	12	\$1,000,000	\$1,000,000	\$0	\$2,000,000	NLF	100%	100%	\$2,000,000	\$2,000,000	
NZTA	Bay of Islands to Whangarei	SH1A - SH1A Intersection Improvements	Investigation Design & Construction	Y	Y	Y	2019/19	12	\$3,300,000	\$3,300,000	\$0	\$6,600,000	NLF	100%	100%	\$6,600,000	\$6,600,000	
NZTA	Bay of Islands to Whangarei	SH1A - SH1A Intersection Improvements	Investigation Design & Construction	Y	Y	Y	2019/19	12	\$440,000	\$2,000,000	\$1,560,000	\$2,000,000	NLF	100%	100%	\$2,000,000	\$2,000,000	
NZTA	Bay of Islands to Whangarei	SH1A - SH1A Intersection Improvements	Investigation Design & Construction	Y	Y	Y	2019/19	36	\$710,000	\$3,637,000	\$2,927,000	\$4,000,000	NLF	100%	100%	\$4,000,000	\$4,000,000	
NZTA	Bay of Islands to Whangarei	SH1A - SH1A Intersection Improvements	Investigation Design & Construction	Y	Y	Y	2019/19	36	\$322,000	\$0	\$0	\$322,000	NLF	100%	100%	\$322,000	\$322,000	
NZTA	Northland to Auckland	SH15A/McCathie Rd/One Tree Point Rd Intersection Upgrades	Investigation Design & Construction	Y	Y	Y	2019/19	12	\$325,000	\$0	\$0	\$325,000	NLF	100%	100%	\$325,000	\$325,000	
NZTA	SH12	SH12 - SH12 Intersection Upgrades	Design & Construction	Y	Y	Y	2019/19	12	\$19,200,000	\$19,200,000	\$0	\$38,400,000	NLF	100%	100%	\$38,400,000	\$38,400,000	
NZTA	SH10 Coropaki Beach	SH10 Coropaki Beach	Investigation Design & Construction	Y	Y	Y	2019/20	12	\$15,000,000	\$15,000,000	\$0	\$30,000,000	NLF	100%	100%	\$30,000,000	\$30,000,000	
NZTA	SH10 Coropaki Beach	SH10 Coropaki Beach	Investigation Design & Construction	Y	Y	Y	2019/20	12	\$50,000	\$0	\$0	\$50,000	NLF	100%	100%	\$50,000	\$50,000	
NZTA	Bay of Islands to Whangarei	SH1A - SH1A Intersection Improvements	Investigation Design & Construction	Y	Y	Y	2019/20	12	\$220,000	\$220,000	\$0	\$440,000	NLF	100%	100%	\$440,000	\$440,000	
NZTA	Inland Freight Route	Stormwater intersections and safety improvements	Investigation Design & Construction	Y	Y	Y	2017/18	36	\$42,000,000	\$3,000,000	\$45,000,000	\$45,000,000	NLF	100%	100%	\$45,000,000	\$45,000,000	
NZTA	SH10 Coropaki Beach	Safety improvements	Investigation Design & Construction	Y	Y	Y	2016/17	12	\$1,000,000	\$1,000,000	\$0	\$2,000,000	NLF	100%	100%	\$2,000,000	\$2,000,000	
NZTA	SH10 Coropaki Beach	Safety improvements	Investigation Design & Construction	Y	Y	Y	2016/17	12	\$11,168,000	\$87,797,203	\$98,965,203	\$184,930,000	NLF	100%	100%	\$184,930,000	\$184,930,000	
									\$46,632,000	\$337,237,000	\$383,869,000	\$466,632,000				\$466,632,000	\$466,632,000	

Other smaller improvements, part of broader packages

QID	Corridor	Project Name	Phase	Safety	Key benefits	Residence	Scheduled Start Date	Scheduled Duration (months)	Project Cost Estimates (\$)	Funding Source	RTC Rating using NZTA system	NZTA Comment on rating Approval	FAR	NZTA Share	Cost
NZTA		Minor improvements 2015/2016					2015/16	36	\$2,168,000	\$2,168,000			100%	100%	\$2,168,000
									\$6,970,809					\$6,970,809	

QID	Corridor	Project Name	Phase	Safety	Key benefits	Residence	Scheduled Start Date	Scheduled Duration (months)	Project Cost Estimates (\$)	Funding Source	RTC Rating using NZTA system	NZTA Comment on rating Approval	FAR	NZTA Share	Cost
NZTA		Minor improvements 2015/2016					2015/16	36	\$2,168,000	\$2,168,000			100%	100%	\$2,168,000
									\$6,970,809					\$6,970,809	



Local Road Improvements - Priorities (including Major and Approved)

Org	Project Name	Comments	Phase	Safety	Efficiency	Resilience	Scheduled Start Date	Scheduled Duration (Months)	Project Cost Estimates (\$)			Project Costs	NZTA Funding Source			NZTA comment on rating	
									15/16	16/17	17/18		Project	FAR	NZTA Share		Cum NZTA Total
WDC	Mal Rd/Nelson St Upgrade	Programme to be developed for year 2 of 2015-18	Construction				2015/16	12	\$3,550,000	\$0	\$0	\$3,550,000	61%	\$2,165,500	\$1,384,500	Approved	Bridge upgrades are supported
FNDC	Bridge Replacements 2015-2022	Bridge replacements over \$300k to improve road resilience and freight efficiency. Reduces the number of freight restricted trucks following demand from the north of the Kaipara. Total of 7 bridges on the Mangakāia Rd forestry route to take 62 trucks	Construction	Y			2016/17	24	\$0	\$1,000,000	\$0	\$2,000,000	60%	\$1,200,000	\$1,365,500	Approved	
WDC	HPMV Bridge Upgrades	Payment issues make 50MAX a better option. Not critical for 2015-18. WDC are happy to resolve pavement issues (if).	Construction				2015/16	24	\$1,273,286	\$1,327,159	\$0	\$2,600,445	100%	\$2,600,445	\$2,965,945	2	Unlikely to proceed 2015-18 due to pavement issues
WDC	Old Tekeka Road Bridge 150 Upgrade	Replacement of an old timber rail overbridge that has a correct weight restriction	Construction	Y			2016/17	12	\$0	\$457,200	\$0	\$457,200	53%	\$242,316	\$6,208,261	2	Agreed rating
WDC	Thompson Rd Bridge 128 Upgrade	Upgrade of an existing intersection to improve access to and from Porowai Ave following the completion of the Porowai Ave Extension project.	Construction	Y			2015/16	12	\$401,600	\$0	\$0	\$401,600	53%	\$212,848	\$6,421,109	2	Agreed rating
FNDC	Dust Mitigation Programme 2015/18 (Regional Improvement)	To seal 100m lengths of road in front of houses closer than 50m to the unsealed road where dust is affecting the health of the residents. Roads prioritised by logging volumes, logging dates and proximity of houses to the road	Construction				2015/16	36	\$1,200,000	\$1,200,000	\$1,200,000	\$3,600,000	60%	\$2,160,000	\$8,581,109	3	Not yet agreed
WDC	House Frontage Sealing on Heavy Vehicle Routes (Regional Improvement)	Sealing of 100m strips in front of houses affected by dust from logging roads. The new programme to address 120 affected houses	Construction				2015/16	36	\$484,168	\$459,722	\$466,057	\$1,389,947	53%	\$736,672	\$9,317,781	3	Not yet agreed
WDC	Maunu Road/Porowai Ave Intersection Improvements	Upgrade of an existing intersection to improve access to and from Porowai Ave following the completion of the Porowai Ave Extension project.	Construction	Y			2016/17	12	\$0	\$508,000	\$0	\$508,000	53%	\$269,240	\$9,587,021	5	Agreed rating
WDC	Reverse Drive Culham Dr Intersection Improvements	Upgrade of an existing intersection to address capacity issues following the completion of the Lower Halia River Crossing project.	Construction	Y			2017/18	12	\$0	\$515,000	\$0	\$515,000	53%	\$272,950	\$9,859,971	5	Agreed rating
WDC	Tarewa Rd/Porowai Ave Intersection Improvements	Upgrade of an existing intersection to address capacity issues following the completion of the Porowai Ave Extension project.	Construction	Y			2015/16	12	\$502,000	\$0	\$0	\$502,000	53%	\$266,060	\$10,126,031	5	Agreed rating
FNDC	Diggers Valley Seal Extension (Regional Improvement)	To seal 81m of Diggers Valley Road (220m total length) where there are 22 houses located closer than 50m from the unsealed road. Outcome will improve health by reducing dust and improve freight efficiency because trucks will not have to slow down to reduce dust	Construction				2015/16	24	\$1,200,000	\$1,200,000	\$0	\$2,400,000	60%	\$1,440,000	\$11,506,031	6	Not yet agreed
FNDC	Kiwaia Lane Extension 2015/18 (Regional Improvement)	Link road from Kiwaia Lane to Waipapa Loop Road (along Waipapa Loop Road) to improve access to commercial area on Waipapa Loop Road and the proposed Waipapa/H10 roundabout. Resolve congestion at Waipapa Loop Road/SH10 intersection and improve safety.	Construction	Y			2015/16	12	\$500,000	\$0	\$0	\$500,000	60%	\$300,000	\$11,866,031	6	Agreed rating
FNDC	Picadilly Road Seal Extension (Regional Improvement)	To seal Picadilly road to improve pavement resilience, eliminate dust and improve freight efficiency.	Construction				2015/16	12	\$2,000,000	\$0	\$0	\$2,000,000	100%	\$2,000,000	\$13,866,031	6	Not yet agreed
FNDC	Pipewa Road Seal Extension (Regional Improvement)	To seal 81m of road where there are 10 houses within 50m of road and dust is a problem for local residents health problems. Outcome will improve health by reducing dust and improve freight efficiency because trucks will not have to slow down to reduce dust	Construction				2015/16	12	\$1,200,000	\$1,200,000	\$0	\$2,400,000	60%	\$1,440,000	\$15,306,031	6	Not yet agreed
WDC	Wright Rd/McCardle Road Seal Extension 2015/18 (Regional Improvement)	Sealing of the 81m forestry route which provides access to Mangakāia Rd. The project will improve the efficiency of logging trucks on this route and will improve safety for road users by reducing dust	Construction				2015/18	36	\$1,500,000	\$1,524,000	\$1,545,000	\$4,569,000	100%	\$4,569,000	\$19,875,031	6	To be determined

Project	Costs	NZTA Share	Local Share
Projects with Funding Approved	\$0	\$0	\$0
Far North District Council	\$0	\$0	\$0
Kaipara District Council	\$0	\$0	\$0
Waikare District Council	\$0	\$0	\$0
Whangarei District Council	\$3,550,000	\$2,165,500	\$1,384,500
Total	\$3,550,000	\$2,165,500	\$1,384,500
Projects Requiring Funding Approval	\$0	\$0	\$0
Far North District Council	\$10,449,192	\$7,152,281	\$3,296,911
Kaipara District Council	\$0	\$0	\$0
Waikare District Council	\$0	\$0	\$0
Whangarei District Council	\$13,394,000	\$10,557,250	\$2,836,750
Total	\$23,843,192	\$17,709,531	\$6,133,661
Projects Scheduled to Carry over Funding	\$0	\$0	\$0
Far North District Council	\$0	\$0	\$0
Kaipara District Council	\$0	\$0	\$0
Waikare District Council	\$0	\$0	\$0
Whangarei District Council	\$0	\$0	\$0
Total	\$0	\$0	\$0

Total Anticipated Expenditure for Northland for the Period 2015 to 2018

Activity Class	Total Anticipated Expenditure						
	Far North District Council	Kaipara District Council	Whangarei District Council	Northland Regional Council	NZ Transport Agency	Waikangi	Northland Region
State Highway Improvements	N/A	N/A	N/A	N/A	#REF!	N/A	#REF!
State Highway Maintenance	N/A	N/A	N/A	N/A	\$119,266,070	N/A	\$119,266,070
State Highway Minor Improvements	N/A	N/A	N/A	N/A	\$6,970,809	N/A	\$6,970,809
Local Road Improvements	\$10,449,192	\$0	\$16,944,000	N/A	N/A	\$0	\$27,393,192
Local Road Maintenance	\$52,168,805	\$43,169,350	\$60,251,309	N/A	N/A	\$0	\$205,659,464
Local Road Minor Improvements	\$9,600,000	\$6,629,000	\$6,972,209	N/A	N/A	\$69,100	\$23,201,209
Public Transport	\$0	\$0	\$0	\$7,857,702	N/A	\$0	\$7,857,702
Walking and Cycling	\$4,750,000	\$3,124,350	#REF!	N/A	#REF!	#REF!	#REF!
Road Safety Promotion	\$3,192,252	\$375,000	\$1,003,000	\$443,397	\$0	\$0	\$5,013,649
Investment Management	\$1,050,000	\$260,000	\$269,802	\$506,396	\$1,750,000	\$0	\$3,625,898
Rail and Sea Freight	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Domestic Sea Freight Development	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total of Activities	\$111,210,249	\$53,847,700	#REF!	\$8,807,495	#REF!	#REF!	#REF!

Total Anticipated Expenditure for Northland for the Period 2018 - 2021

Activity Class	Total Anticipated Expenditure						
	Far North District Council	Kaipara District Council	Whangarei District Council	Northland Regional Council	NZ Transport Agency	Waikangi	Northland Region
State Highway Improvements	N/A	N/A	N/A	N/A	\$99,450,000	N/A	\$55,450,000
State Highway Maintenance	N/A	N/A	N/A	N/A	\$117,404,780	N/A	\$117,404,780
State Highway Minor Improvements	N/A	N/A	N/A	N/A	\$7,500,000	N/A	\$7,500,000
Local Road Improvements	\$9,800,000	\$2,462,400	\$5,408,183	N/A	N/A	\$0	\$17,670,583
Local Road Maintenance	\$68,875,000	\$46,630,000	\$81,511,872	N/A	N/A	\$0	\$216,354,372
Local Road Minor Improvements	\$7,500,000	\$4,149,000	\$7,861,296	N/A	N/A	\$337,500	\$19,510,296
Public Transport	\$0	\$0	\$0	\$8,068,438	N/A	\$0	\$8,068,438
Walking and Cycling	\$5,100,000	\$0	\$1,387,331	N/A	\$0	\$0	\$6,487,331
Road Safety Promotion	\$3,192,252	\$315,000	\$1,003,002	\$446,624	\$0	\$0	\$4,956,878
Investment Management	\$750,000	\$150,000	\$286,286	\$540,733	\$0	\$0	\$1,727,019
Rail and Sea Freight	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Domestic Sea Freight Development	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total of Activities	\$115,217,252	\$52,706,400	\$97,467,970	\$9,055,795	\$180,354,780	\$337,500	\$455,139,697

Total Anticipated Expenditure for Northland for the Period 2021 - 2025

Activity Class	Total Anticipated Expenditure						
	Far North District Council	Kaipara District Council	Whangarei District Council	Northland Regional Council	NZ Transport Agency	Waikangi	Northland Region
State Highway Improvements	N/A	N/A	N/A	N/A	\$49,000,000	N/A	\$49,000,000
State Highway Maintenance	N/A	N/A	N/A	N/A	\$159,730,690	N/A	\$159,730,690
State Highway Minor Improvements	N/A	N/A	N/A	N/A	\$10,000,000	N/A	\$10,000,000
Local Road Improvements	\$12,000,000	\$3,283,200	\$5,832,453	N/A	\$0	\$0	\$21,115,653
Local Road Maintenance	\$131,382,000	\$60,840,000	\$119,658,579	N/A	N/A	\$0	\$311,952,479
Local Road Minor Improvements	\$10,000,000	\$4,149,000	\$12,953,564	N/A	N/A	\$71,900	\$26,442,584
Public Transport	\$0	\$0	\$0	\$8,142,441	N/A	\$0	\$8,142,441
Walking and Cycling	\$6,800,000	\$0	\$0	N/A	N/A	\$0	\$6,800,000
Road Safety Promotion	\$4,256,336	\$420,000	\$1,337,336	\$657,798	\$0	\$0	\$6,671,470
Investment Management	\$1,000,000	\$200,000	\$453,860	\$768,911	\$0	\$0	\$2,422,771
Rail and Sea Freight	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Domestic Sea Freight Development	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total of Activities	\$165,438,336	\$68,892,200	\$139,575,812	\$9,569,150	\$217,730,690	\$71,800	\$601,278,088

Total Anticipated Expenditure for Northland for the 10-Year Period 2015 - 2025

Activity Class	Total Anticipated Expenditure						
	Far North District Council	Kaipara District Council	Whangarei District Council	Northland Regional Council	NZ Transport Agency	Waikangi	Northland Region
State Highway Improvements	N/A	N/A	N/A	N/A	#REF!	N/A	#REF!
State Highway Maintenance	N/A	N/A	N/A	N/A	\$395,401,540	N/A	\$395,401,540
State Highway Minor Improvements	N/A	N/A	N/A	N/A	\$24,470,809	N/A	\$24,470,809
Local Road Improvements	\$32,248,192	\$5,745,600	\$26,104,636	N/A	N/A	\$0	\$66,179,428
Local Road Maintenance	\$305,425,805	\$149,639,350	\$291,421,750	N/A	N/A	\$0	\$733,965,415
Local Road Minor Improvements	\$27,000,000	\$14,927,000	\$27,127,069	N/A	N/A	\$0	\$69,154,069
Public Transport	\$0	\$0	\$0	\$24,068,581	N/A	\$0	\$24,068,581
Walking and Cycling	\$16,850,000	\$3,124,350	#REF!	N/A	#REF!	#REF!	#REF!
Road Safety Promotion	\$10,660,940	\$1,110,000	\$3,343,338	\$1,547,819	\$0	\$0	\$16,641,997
Investment Management	\$2,800,000	\$600,000	\$1,009,648	\$1,816,040	\$1,750,000	\$0	\$7,975,688
Rail and Sea Freight	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Domestic Sea Freight Development	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total of Activities	\$391,865,837	\$175,146,300	#REF!	\$27,432,440	#REF!	#REF!	#REF!