

Laura Bowman

From: Official Information
Sent: Friday, 21 October 2022 4:33 pm
To: 7(2)(a)
Cc: Official Information
Subject: Final Response - LGOIMA 285022-7(2)(a) - Continuation of LGOIMA 279381 - the asset schedule for bridges across Waikato River including their values and life/ depreciation.
Attachments: LGOIMA 285022 Values and depreciation rates in the asset schedule for bridges.xlsx

Kia Ora,

I refer to your **information request below**, Hamilton City Council is able to provide the following response.

Note to query: All bridges loaded against this asset type are depreciated at 150 years of depreciation for the useful life of the asset. Original response mentioned only two bridges that are over 100 years of age.

Your Request 1:

Are the values being adopted supported by independent valuers/ engineer. Please provide these values. If not, who arrives at the value?

Our Response 1:

Information available at this level of detail, per our system, only allows us to go back to Financial Year 2013 – 2014. Revaluations have been done as follows:

Hamilton City Council Road Asset Valuation - 1 July 2013 – Beca Limited

Hamilton City Council Transportation Asset Valuation 2016 – Beca Limited

Hamilton City Council 2021 Fair Value Assessment of Roading Infrastructure Assets – Beca Limited

Your Request 2:

Clearly you are moving the depreciation rates out to minimise depreciation cost. Have you obtained advise/ permission from the auditor to move depreciation out to 150 years? Please provide evidence of the auditor's position. (Year required)

Our Response 2:

As per Capital policy – this is Audited yearly

2. Depreciation

Depreciation is charged over the “useful life of the asset” and recognised on a straight line basis. Depreciation starts from the date that the asset is available for use or used. Attachment 1 has guidelines to assist in assessing when an asset is available for use.

Land is not depreciated.

Depreciation on assets is provided at rates that will write off the cost or value of the assets to their estimated residual value over their useful lives. The useful life of an asset is the period over which the asset is expected to be available for used by the Council.

The useful life ranges below are provided for general guidance only. The useful life of an asset type should be determined by the Asset Manager responsible for that asset taking into consideration factors such as manufacturers recommendations, construction materials, design, usage patterns, planned maintenance regime, climate and ground conditions. Asset managers are required to document the decision making process with regard to determining useful lives in the Activity Management Plan or valuation report, particularly if they differ from industry norms for that asset type.

The useful lives for major assets are estimated as follows:

Asset Type	Estimated useful life (years)
Buildings	10 – 100
Plant and equipment	5 – 50
Motor vehicles (and machinery)	4 – 15
Library books	3 – 14
Water and Drainage networks	15 – 200
Roading	4 – 150
Reserve structures/ restricted assets	3 – 87

Your Request 3:

When did HCC move depreciation rates out to 150 years? (Year required)

Our Response 3:

Please see page 61 of the Annual Report 2012/13, the depreciation is set at 150 years. Annual Report 2007/08 (Page 189) also reflects the depreciation at 150 years. There appears to be no change to how this has been treated

Your Request 4:

Please provide the same information in the same format for the years 2012 onwards. I understand that valuation are undertaken at 2 year intervals so 2 yearly will suffice.

Our Response 4:

Revaluations on Transport are done at every 4 years. Please see schedule attached as requested based on Revaluation data.

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

Kind Regards,

Laura | Official Information Coordinator

Governance & Assurance Team | People and Organisational Performance

Email: officialinformation@hcc.govt.nz



From: 7(2)(a) [REDACTED]

Sent: Tuesday, 4 October 2022 2:23 pm

To: Official Information <officialinformation@hcc.govt.nz>

Subject: RE: Final Response - LGOIMA 279381 - 7(2)(a) [REDACTED] -Continuation of LGOIMA 270341 - the asset schedule for bridges across Waikato River including their values and life/ depreciation.

Good afternoon, thank you for providing the information. The reply raises a lot more questions. First you state that only 2 bridges have the have the depreciation over 100 years. However, the information provided show that you are depreciating all bridges out to 150 years. Clearly the response in 1 is not correct.

Question 1. Are the values being adopted supported by independent valuers/ engineer. Please provide these values. If not, who arrives at the value?

Question 2. Clearly you are moving the depreciation rates out to minimise depreciation cost. Have you obtained advise/ permission from the auditor to move depreciation out to 150 years? Please provide evidence of the auditor's position. (Year required)

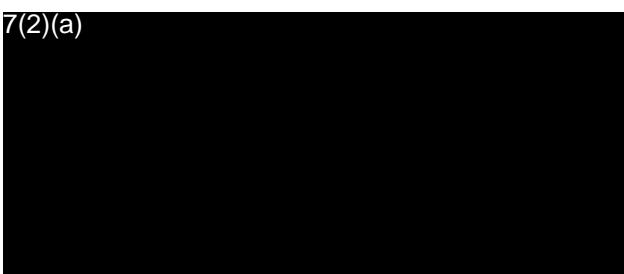
Question 3. When did HCC move depreciation rates out to 150 years? (Year required)

Question 4. Please provide the same information in the same format for the years 2012 onwards. I understand that valuation are undertaken at 2 yr intervals so 2 yearly will suffice.

Request 2 below. I will deal with those matters in the future.

Kind Regards

7(2)(a) [REDACTED]



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Asset Category	Road ID	Start m	Bridge Name	End m	Length m	Useful life	Valuation Date	Construction Date	Bridge Type	Replacement Cost	Depreciated Repacement Cost	Annual Depreciation
Bridge (Deck)	ABERFOYLE STREET	344	ABERFOYLE STREET	354	10	150	7/07/2021	1/01/1978	Steel Truss	137,254.56	97,908.54	915.02
Bridge (Deck)	BOUNDARY ROAD	1375	WHITIORA BRIDGE	1643	268	150	7/07/2021	1/01/1979	Prestressed Concrete Box	14,086,809.33	10,142,503.00	93,912.06
Bridge (Deck)	ANZAC PARADE	339	VICTORIA BRIDGE	501	162	150	7/07/2021	8/10/1910	Steel Arch	11,002,986.56	2,860,777.25	73,353.24
Bridge (Deck)	CARRS ROAD	193	Carrs Road Bridge	225	32	150	7/07/2021	1/01/2012	Box Girder	1,530,873.92	1,439,021.55	10,205.82
Bridge (Deck)	CLAUDELANDS ROAD	237	SONNING CAR PARK (RIVER ROAD)	283	46	150	7/07/2021	1/01/1965	Steel Truss	934,894.26	585,867.45	6,232.62
Bridge (Deck)	CLAUDELANDS ROAD	105	CLAUDELANDS BRIDGE	254	149	150	7/07/2021	01/01/1883	Steel Truss & Orthotropic Steel Deck	10,234,524.64	818,762.90	68,230.16
Bridge (Deck)	FAIRFIELD BRIDGE	14	FAIRFIELD BRIDGE	170	156	150	7/07/2021	1/01/1937	R.C. Bow String Arch	7,389,801.49	3,251,513.22	49,265.34
Bridge (Deck)	GORDONTON ROAD (NORTHBOUND)	83	GORDONTON SERVICE BRIDGE WITH	96	13	150	7/07/2021	25/12/2010	Prestressed Concrete Box	150,676.26	139,626.74	1,004.50
Bridge (Deck)	HALL STREET	145	MASSEY ST RAIL OVERBRIDGE	286	141	150	7/07/2021	1/01/1986	Prestressed Concrete Box	8,009,055.45	6,140,276.08	53,393.70
Bridge (Deck)	KAHIKATEA DRIVE	3024	KAHIKATEA DRIVE	3036	12	150	7/07/2021	1/01/1976	Prestressed Hollow Core	761,806.00	533,264.50	5,078.70
Bridge (Deck)	KAREN CRESCENT	240	KAREN CRESCENT (TO WINNING TER	250	10	150	7/07/2021	1/01/1981	Concrete Double T	64,728.66	47,467.95	431.52
Bridge (Deck)	LAKE ROAD	532	LAKE ROAD	543	11	150	7/07/2021	1/01/1964	Reinforced Concrete Box	678,043.80	420,387.54	4,520.29
Bridge (Deck)	MANGAHARAKEKE DRIVE - NTH BND	6360	LOCAL ROAD OVERBRIDGE	6400	40	150	7/07/2021	25/12/2012	Prestressed Hollow Core	3,189,293.75	2,997,936.19	21,261.95
Bridge (Deck)	PALMERSTON STREET	122	PALMERSTON STREET OVERBRIDGE	177	55	150	7/07/2021	1/01/1962	Prestressed Concrete Box	2,744,482.71	1,664,986.57	18,296.54
Bridge (Deck)	PASCAL PLACE	83	HARROWFIELD FOOT BRIDGE	84	10	150	7/07/2021	1/01/1995	Steel Pipe & Timber Deck	287,682.11	237,817.38	1,917.87
Bridge (Deck)	PETERSBURG DRIVE	360	ST PETERSBERG BRIDGE	370	10	150	7/07/2021	1/01/2007	Prestressed U Beams	534,524.68	484,635.80	3,563.49
Bridge (Deck)	RIVER ROAD	433	RIVER ROAD	460	27	150	7/07/2021	1/01/1965	Reinforced Concrete Box	744,341.76	466,454.55	4,962.27
Bridge (Deck)	RIVER ROAD	5907	KIRIKIRIROA STREAM HORSE BRIDG	5935	6	150	7/07/2021	1/01/2000	Dicore Unit	33,370.55	28,698.81	222.46
Bridge (Deck)	RIVER ROAD	5907	KIRIKIRIROA BRIDGE	5935	28	150	7/07/2021	1/01/1963	Prestressed I Beams	758,957.79	465,494.50	5,059.71
Bridge (Deck)	ROTOTUNA ROAD (E)	1185	RESOLUTION DRIVE1	1195	10	150	7/07/2021	1/01/2001	Reinforced Concrete Box	1,307,872.51	1,133,489.65	8,719.14
Bridge (Deck)	SEDDON ROAD	137	SEDDON ROAD1	143	6	150	7/07/2021	1/01/1964	Reinforced Concrete Box	314,160.64	194,779.98	2,094.40
Bridge (Deck)	THOMAS ROAD	740	THOMAS RD	750	10	150	7/07/2021	1/01/2004	Prestressed U Beams	448,262.73	397,459.73	2,988.41
Bridge (Deck)	TOTARA DRIVE	1385	TOTARA DRIVE BRIDGE	1442	57	150	7/07/2021	1/01/1995	Prestressed U Beams	2,162,207.55	1,787,425.08	14,414.71
Bridge (Deck)	TRISTRAM STREET	1039	TRISTRAM ST RAIL OVER BRDG	1049	10	150	7/07/2021	1/01/1964	Reinforced Concrete Box	946,699.94	586,954.35	6,311.33
Bridge (Deck)	TRISTRAM STREET	854	TRISTRAM ST PED BRIDGE	864	10	150	7/07/2021	1/01/1992	Prestressed Double T Beam	161,676.47	130,419.21	1,077.84
Bridge (Deck)	WAIRERE DRIVE (WESTBOUND)	1649	PUKETE BRIDGE	1806	157	150	7/07/2021	1/01/1996	Prestressed Concrete Box	7,192,040.08	5,993,366.90	47,946.93
Bridge (Deck)	WAIRERE DRV	3411	WAIRERE DRIVE (KIRIKIRIROA STR	3467	56	150	7/07/2021	1/01/2000	Prestressed Hollow Core	3,705,339.14	3,186,591.80	24,702.25
Bridge (Deck)	WAIRERE DRV RING ROAD STH BND	3148	ECMT OVER BRIDGE (RUAKURA)	3174	26	150	7/07/2021	1/01/2012	Reinforced Concrete Box	2,570,918.49	2,416,663.45	17,139.45
Bridge (Deck)	MANGAHARAKEKE DRIVE - NTH BND	5460	TE KOWHAI OVERBRIDGE	5501	41	150	7/07/2021	25/12/2012	Prestressed Hollow Core	2,450,181.80	2,303,170.95	16,334.54
Bridge (Deck)	WAIRERE DRV (ARTHUR PORTER TO TE RAPA)	5844	AVALON OVER RAIL BRIDGE	5917	73	150	7/07/2021	25/12/1980	Prestressed U Beams	4,383,903.71	3,185,636.97	29,226.02
										88,917,371.34	54,139,358.59	592,782.28

Asset Category	Road ID	Drain Length	Drain Type	Bridge ID	Drain Size	Date Constructed	Useful Life	Valuation Date	Replacement Cost	Depreciated Replacement Cost	Annual Depreciation
drainage	ABERDEEN DRIVE	27.5	Culvert	ABERDEEN DRIVE	2400	1/01/1967	80	7/07/2021	\$298,617	\$97,051	\$3,733
drainage	CHEDWORTH AVENUE	38	Culvert	CHEDWORTH AVENUE	1800	1/01/1976	80	7/07/2021	\$285,670	\$124,981	\$3,571
drainage	COBHAM DRIVE (NORTH BOUND)	56.7	Culvert	COBHAM DRIVE (ARCHERY)	2100	1/01/1961	80	7/07/2021	\$435,130	\$108,783	\$5,439
drainage	CROSBY ROAD	26	Culvert	CROSBY ROAD	2750	1/01/1972	40	7/07/2021	\$268,771	\$10,541	\$5,270
drainage	HUKANUI ROAD	36.3	Culvert	HUKANUI ROAD	5100	1/01/1997	40	7/07/2021	\$1,290,596	\$516,239	\$32,265
drainage	WAIRERE DRIVE (WESTBOUND)	25.9	Culvert	HUNTINGTON	3600	1/01/1995	80	7/07/2021	\$458,826	\$309,708	\$5,735
drainage	JOHNSON STREET	70	Culvert	JOHNSON STREET	2550	1/01/1978	80	7/07/2021	\$622,188	\$287,762	\$7,777
drainage	MAEROA ROAD	51	Culvert	MAEROA ROAD	2100	1/01/1940	80	7/07/2021	\$391,386	\$9,432	\$4,715
drainage	PEACOCKES ROAD	25	Culvert	PEACOCKES ROAD	3450	1/01/1957	40	7/07/2021	\$406,745	\$12,327	\$6,163
drainage	PUKETE ROAD	22.5	Culvert	PUKETE ROAD	2100	1/01/1980	80	7/07/2021	\$271,266	\$132,243	\$3,391
drainage	SAXBYS ROAD	16.5	Culvert	SAXBYS ROAD	3100	1/01/1966	80	7/07/2021	\$275,933	\$86,230	\$3,449
drainage	SEDDON ROAD	10	Culvert	SEDDON ROAD2	2100	1/01/1945	80	7/07/2021	\$76,743	\$3,838	\$959
drainage	ULSTER STREET	75	Culvert	ULSTER STREET	4000	1/01/1959	80	7/07/2021	\$1,640,566	\$369,128	\$20,507
drainage	VICTORIA STREET	24	Culvert	NO.1 BRIDGE (VICTORIA STREET)	3000	1/01/1938	80	7/07/2021	\$295,255	\$6,948	\$3,474
drainage	WATERFORD ROAD	38	Culvert	WATERFORD ROAD	2700	1/01/1960	40	7/07/2021	\$378,664	\$12,022	\$6,011
drainage	MAGELLAN RISE	37.5	Culvert	MAGELLAN RISE	3000	1/01/2002	80	7/07/2021	\$587,315	\$447,828	\$7,341
drainage	TURANGI STREET	33	Culvert	TURANGI STREET	3000	28/01/2016	80	7/07/2021	\$430,697	\$403,779	\$5,384
drainage	RIVER ROAD	44	Culvert	TE AWA O KATA PAKI STREAM	4000	23/09/2013	40	7/07/2021	\$438,454	\$350,763	\$10,961
drainage	RESOLUTION DRIVE NORTHBOUND	29.5	Culvert	RESOLUTION DRIVE2	4000	1/01/2006	80	7/07/2021	\$821,371	\$667,364	\$10,267
drainage	WAIRERE DRIVE (WESTBOUND)	60	Culvert	WAIRERE DR CULVERT WITH HEAD W	2100	1/04/2011	80	7/07/2021	\$723,375	\$632,953	\$9,042
drainage	PELORUS STREET	30	Culvert	Pelorus Culvert	1500	1/01/1978	80	7/07/2021	\$361,688	\$167,281	\$4,521
drainage	BORMAN ROAD	24	Culvert	BORMAN (WETLAND RESERVE)	1500	20/10/2013	80	7/07/2021	\$289,350	\$260,415	\$3,617
drainage	ARTHUR PORTER DRIVE STHBD	55	Culvert	ARTHUR PORTER MID BLK ROTARY	500	9/06/2014	80	7/07/2021	\$422,083	\$385,151	\$5,276
drainage	FOREST LAKE ROAD (WEST BOUND)	114	Culvert	Lincoln St Waitawhiriwhiri	2540	1/01/1975	40	7/07/2021	\$2,019,542	\$84,149	\$42,074
										\$13,490,232	\$5,486,917
											\$210,942

Asset Category	Road ID	Width	Bridge Type	Construction Date	Valuation Date	standard_rc	Age	Remaining Useful Life	Useful life	Replacement Cost	Depreciated Repacement Cost	Annual Depreciation
Bridge (Deck)	ABERFOYLE STREET	1.2	Steel	1/01/1978	24/08/2016	45: 26M37 Aberfoyle Bridge	38	112	150	124,006.31	92,591.63	826.70
Bridge (Deck)	WHITIORA BRIDGE	12.8	Prestressed Concrete	1/01/1979	24/08/2016	04: 26M05 Whitiota Bridge	37	113	150	12,727,105.22	9,587,752.85	84,847.36
Bridge (Deck)	VICTORIA BRIDGE	12.95	Steel	8/10/1910	24/08/2016	06: 26M04 Victoria Bridge	105	44	149	9,940,942.94	2,935,581.17	66,717.73
Bridge (Deck)	CARRS ROAD BRIDGE	12.7	Reinforced Concrete	1/01/2012	24/08/2016	75: 26M82 Carrs Road Bridge	4	146	150	1,383,109.05	1,346,226.17	9,220.72
Bridge (Deck)	CLAUDELANDS BRIDGE	10.98	Steel	01/01/1883	24/08/2016	02: 26M01 Claudelands Bridge	133	17	150	9,246,655.43	1,047,955.17	61,644.36
Bridge (Deck)	SONNING CAR PARK (RIVER ROAD)	3.5	Steel	1/01/1965	24/08/2016	48: 26M41 Sinning Carpark Bridge	51	99	150	844,655.27	557,472.82	5,631.03
Bridge (Deck)	MASSEY ST RAIL OVERBRIDGE	12.95	Reinforced Concrete	1/01/1986	24/08/2016	10: 26M07 Massey Rail Overbridge	30	120	150	7,235,995.68	5,788,796.74	48,239.96
Bridge (Deck)	KAHIKATEA DRIVE	13.72	Prestressed Concrete	1/01/1976	24/08/2016	16: 26M13 Kahikatea Bridge	40	110	150	688,274.03	504,734.56	4,588.49
Bridge (Deck)	KAREN CRESCENT (TO WINNING TER	1.5	Reinforced Concrete	1/01/1981	24/08/2016	47: 26M39 Karen Winning Bridge	35	115	150	58,480.84	44,835.54	389.87
Bridge (Deck)	LAKE ROAD	18.29	Reinforced Concrete	1/01/1964	24/08/2016	12: 26M06 Lake Road Bridge	52	98	150	612,596.83	400,230.28	4,083.97
Bridge (Deck)	PALMERSTON STREET OVERBRIDGE	13.5	Prestressed Concrete	1/01/1962	24/08/2016	07: 26M16 Palmerston Overbridge	54	96	150	2,479,576.42	1,586,929.27	16,530.50
Bridge (Deck)	RIVER ROAD	12.19	Reinforced Concrete	1/01/1965	24/08/2016	11: 26M08 River Bridge	51	99	150	672,495.50	443,847.37	4,483.30
Bridge (Deck)	KIRIKIRIROA STREAM HORSE BRIDG	1.2	Reinforced Concrete	1/01/2000	24/08/2016	18: 26M51 Kirikiriroa Horse Bridge	16	134	150	30,149.52	26,933.68	200.99
Bridge (Deck)	KIRIKIRIROA BRIDGE	10.57	Prestressed Concrete	1/01/1963	24/08/2016	19: 26M14 Kirikiriroa Bridge	53	97	150	685,700.74	443,420.17	4,571.33
Bridge (Deck)	RESOLUTION DRIVE1	3.6	Reinforced Concrete	1/01/2001	24/08/2016	50: 26M60 Resolution 1 Bridge	15	135	150	1,181,632.46	1,063,469.31	7,877.54
Bridge (Deck)	SEDDON ROAD1	19.9	Reinforced Concrete	1/01/1964	24/08/2016	08: 26M09 Seddon 1 Bridge	52	98	150	283,836.85	185,440.42	1,892.24
Bridge (Deck)	TOTARA DRIVE BRIDGE	13	Prestressed Concrete	1/01/1995	24/08/2016	14: 26M17 Totara Bridge	21	129	150	1,953,504.33	1,680,013.86	13,023.36
Bridge (Deck)	TRISTRAM ST PED BRIDGE	2.4	Prestressed Concrete	1/01/1992	24/08/2016	49: 26M42 Tristram Ped Bridge	24	126	150	146,070.93	122,699.74	973.80
Bridge (Deck)	TRISTRAM ST RAIL OVER BRDG	20.1	Reinforced Concrete	1/01/1964	24/08/2016	13: 26M10 Tristram Rail Overbridge	52	98	150	855,321.42	558,810.34	5,702.14
Bridge (Deck)	THOMAS RD	17	Prestressed Concrete	1/01/2004	24/08/2016	21: 26M78 Thomas Bridge	12	138	150	404,994.97	372,595.45	2,699.96
Bridge (Deck)	FAIRFIELD BRIDGE	11.1	Prestressed Concrete	1/01/1937	24/08/2016	05: 26M02 Fairfield Bridge	79	71	150	6,76,514.10	3,160,217.20	44,510.09
Bridge (Deck)	HARROWFIELD FOOT BRIDGE	2.4	Steel	1/01/1995	24/08/2016	46: 26M38 Harrowfield Sewer Bridge	21	129	150	259,914.11	223,526.27	1,732.75
Bridge (Deck)	AVALON OVER RAIL BRIDGE	12.5	Prestressed Concrete	25/12/1980	24/08/2016	85: 26M86 Avalon Over rail Bridge	35	114	149	3,960,755.23	3,030,376.72	26,582.24
Bridge (Deck)	WAIRERE DRIVE (KIRIKIRIROA STR	13.8	Prestressed Concrete	1/01/2000	24/08/2016	17: 26M50 Wairere Kirikiriroa Bridge	16	134	150	3,347,687.90	2,990,601.30	22,317.91
Bridge (Deck)	PUKETE BRIDGE	17.8	Prestressed Concrete	1/01/1996	24/08/2016	03: 26M03 Pukete Bridge	20	130	150	6,497,841.26	5,631,462.56	43,318.94
Bridge (Deck)	ST PETERSBERG BRIDGE	12.9	Prestressed Concrete	1/01/2007	24/08/2016	73: 26M70 St Petersberg Bridge	9	141	150	482,930.64	453,954.86	3,219.53
Bridge (Deck)	GORDONTON SERVICE BRIDGE WITH	4	Prestressed Concrete	25/12/2010	24/08/2016	20: 26M79 Gordonton Service Bridge	5	144	149	136,132.50	131,564.33	913.63
Bridge (Deck)	ECMT OVER BRIDGE (RUAKURA)	26.25	Reinforced Concrete	1/01/2012	24/08/2016	76: 26M83 Wairere Rail Overbridge	4	146	150	2,322,765.18	2,260,824.80	15,485.09
Bridge (Deck)	TE KOWHAI OVERBRIDGE	22	Prestressed Concrete	25/12/2012	24/08/2016	84: 26M84 Te Kowhai Overbridge	3	146	149	2,213,682.38	2,169,111.61	14,856.92
Bridge (Deck)	LOCAL ROAD OVERBRIDGE	16.81	Prestressed Concrete	25/12/2012	24/08/2016	77: 26M85 Local Road Overbridge	3	146	149	2,881,452.87	2,823,437.06	19,338.60
											80,334,780.91	51,665,413.26
											536,421.07	

Asset Category	Road ID	Drain Length	Drain Type	Bridge ID	Drain Size	Date Constructed	Valuation Date	Useful Life	Replacement Cost	Depreciated Replacement Cost	Annual Depreciation	
drainage	RIVER ROAD	44	Culvert	TE AWA O KATA PAKI STREAM	4000	23/09/2013	24/08/2016	40	\$397,755	\$367,924	\$9,944	
drainage	JOHNSON STREET	70	Culvert	JOHNSON STREET	2550	1/01/1978	24/08/2016	81	\$564,434	\$292,670	\$6,968	
drainage	PUKETE ROAD	22.5	Culvert	PUKETE ROAD	2100	1/01/1980	24/08/2016	81	\$246,086	\$133,677	\$3,038	
drainage	ABERDEEN DRIVE	27.5	Culvert	ABERDEEN DRIVE	2400	1/01/1967	24/08/2016	81	\$270,899	\$103,678	\$3,344	
drainage	CHEDWORTH AVENUE	38	Culvert	CHEDWORTH AVENUE	1800	1/01/1976	24/08/2016	81	\$259,153	\$127,977	\$3,199	
drainage	COBHAM DRIVE (NORTH BOUND)	56.7	Culvert	COBHAM DRIVE (ARCHERY)	2100	1/01/1961	24/08/2016	81	\$394,739	\$121,834	\$4,873	
drainage	CROSBY ROAD	26	Culvert	CROSBY ROAD	2750	1/01/1972	24/08/2016	47	\$243,823	\$10,376	\$5,188	
drainage	HUKANUI ROAD	36.3	Culvert	HUKANUI ROAD	5100	1/01/1997	24/08/2016	41	\$1,170,799	\$599,678	\$28,556	
drainage	WAIRERE DRIVE (WESTBOUND)	25.9	Culvert	HUNTINGTON	3600	1/01/1995	24/08/2016	81	\$416,236	\$303,185	\$5,139	
drainage	MAEROA ROAD	51	Culvert	MAEROA ROAD	2100	1/01/1940	24/08/2016	81	\$355,056	\$17,535	\$4,383	
drainage	PEACOCKES ROAD	25	Culvert	PEACOCKS ROAD	3450	1/01/1957	24/08/2016	62	\$368,989	\$11,904	\$5,951	
drainage	SAXBYS ROAD	16.5	Culvert	SAXBYS ROAD	3100	1/01/1966	24/08/2016	81	\$250,320	\$92,712	\$3,090	
drainage	SEDDON ROAD	10	Culvert	SEDDON ROAD2	2100	1/01/1945	24/08/2016	81	\$69,619	\$7,736	\$859	
drainage	ULSTER STREET	75	Culvert	ULSTER STREET	4000	1/01/1959	24/08/2016	81	\$1,488,283	\$422,600	\$18,374	
drainage	VICTORIA STREET	24	Culvert	NO.1 BRIDGE (VICTORIA STREET)	3000	1/01/1938	24/08/2016	81	\$267,848	\$6,615	\$3,307	
drainage	WATERFORD ROAD	38	Culvert	WATERFORD ROAD	2700	1/01/1960	24/08/2016	59	\$343,515	\$11,646	\$5,822	
drainage	MAGELLAN RISE	37.5	Culvert	MAGELLAN RISE	3000	1/01/2002	24/08/2016	81	\$532,798	\$434,132	\$6,578	
drainage	TUIRANGI STREET	33	Culvert	TUIRANGI STREET	3000	28/01/2016	24/08/2016	80	\$390,719	\$390,719	\$4,884	
drainage	RESOLUTION DRIVE NORTHBOUND	29.5	Culvert	RESOLUTION DRIVE2	4000	1/01/2006	24/08/2016	81	\$745,128	\$643,938	\$9,199	
drainage	WAIRERE DRIVE (WESTBOUND)	60	Culvert	WAIRERE DR CULVERT WITH HEAD W	2100	1/04/2011	24/08/2016	80	\$656,229	\$615,215	\$8,203	
drainage	PELORUS STREET	30	Culvert	Pelorus Culvert	1500	1/01/1978	24/08/2016	81	\$328,115	\$170,134	\$4,051	
drainage	BORMAN ROAD	24	Culvert	BORMAN (WETLAND RESERVE)	1500	20/10/2013	24/08/2016	80	\$262,492	\$252,648	\$3,281	
drainage	ARTHUR PORTER DRIVE NTHBD	55	Culvert	ARTHUR PORTER MID BLK ROTARY	500	9/06/2014	24/08/2016	80	\$382,904	\$373,332	\$4,786	
drainage	LINCOLN STREET	114	Culvert	Lincoln St Waitawhirihiri	2540	1/01/1975	24/08/2016	44	\$1,832,081	\$83,277	\$41,638	
										\$12,238,023	\$5,595,140	\$194,657

Asset Category	Road ID	Start	Bridge Name	End	Length	Deck	Bridge Type	Valuation Date	Construction Date	Replacement Cost	Depreciated Repacement Cost	Annual Depreciation
Bridge (Deck)	CLAUDELANDS ROAD	105	CLAUDELANDS BRIDGE	254	149	1	Steel	1/10/2013	1/01/1883	9,119,832.75	3,830,330.33	60,798.88
Bridge (Deck)	WAIRERE DRIVE (WESTBOUND)	1649	PUKETE BRIDGE	1841	192	1	Prestressed Concrete	1/10/2013	35065	6,408,720.00	5,682,398.51	42,724.79
Bridge (Deck)	BOUNDARY ROAD	1400	WHITIORA BRIDGE	1618	218	1	Prestressed Concrete	1/10/2013	28856	12,552,546.38	9,707,302.76	83,683.64
Bridge (Deck)	FAIRFIELD BRIDGE	25	FAIRFIELD BRIDGE	141	116	1	Prestressed Concrete	1/10/2013	13516	6,584,942.25	3,248,572.02	43,899.61
Bridge (Deck)	BRIDGE STREET	378	VICTORIA BRIDGE	510	132	1	Steel	1/10/2013	3934	9,804,597.75	3,072,107.98	65,363.98
Bridge (Deck)	PALMERSTON STREET	122	PALMERSTON STREET OVERBRIDGE	177	55	1	Prestressed Concrete	1/10/2013	22647	2,445,567.75	1,614,075.05	16,303.78
Bridge (Deck)	SEDDON ROAD	137	SEDDON ROAD1	143	6	1	Reinforced Concrete	1/10/2013	23377	279,943.88	188,495.87	1,866.29
Bridge (Deck)	HALL STREET	145	MASSEY ST RAIL OVERBRIDGE	286	141	1	Reinforced Concrete	1/10/2013	31413	7,136,750.25	5,852,135.38	47,578.33
Bridge (Deck)	RIVER ROAD	433	RIVER ROAD	460	27	1	Reinforced Concrete	1/10/2013	23743	663,271.88	446,603.39	4,421.81
Bridge (Deck)	LAKE ROAD	532	LAKE ROAD	543	11	1	Reinforced Concrete	1/10/2013	23377	604,194.75	406,824.79	4,027.96
Bridge (Deck)	TRISTRAM STREET	1046	TRISTRAM ST RAIL OVER BRDG	1064	18	1	Reinforced Concrete	1/10/2013	23377	843,590.25	568,017.76	5,623.93
Bridge (Deck)	TOTARA DRIVE	1385	TOTARA DRIVE BRIDGE	1442	57	1	Prestressed Concrete	1/10/2013	34700	1,926,711.00	1,695,505.80	12,844.73
Bridge (Deck)	KAHIKATEA DRIVE	3024	KAHIKATEA DRIVE	3036	12	1	Prestressed Concrete	1/10/2013	27760	678,834.00	511,388.53	4,525.55
Bridge (Deck)	WAIRERE DRV	3411	WAIRERE DRIVE (KIRIKIRIROA STR	3467	56	1	Prestressed Concrete	1/10/2013	36526	3,301,772.63	3,015,619.08	22,011.81
Bridge (Deck)	RIVER ROAD	5907	KIRIKIRIROA STREAM HORSE BRIDG	5935	6	1	Reinforced Concrete	1/10/2013	36526	29,736.00	27,158.97	198.23
Bridge (Deck)	RIVER ROAD	5907	KIRIKIRIROA BRIDGE	5935	28	1	Prestressed Concrete	1/10/2013	23012	676,296.00	450,864.33	4,508.63
Bridge (Deck)	GORDONTON ROAD (NORTHBOUND)	60	GORDONTON SERVICE BRIDGE WITH	61	1	1	Prestressed Concrete	1/10/2013	40537	134,265.38	131,580.09	895.10
Bridge (Deck)	THOMAS ROAD	740	THOMAS RD	750	10	1	Prestressed Concrete	1/10/2013	37987	399,440.25	375,473.90	2,662.93
Bridge (Deck)	ABERFOYLE STREET	298	ABERFOYLE STREET	308	10	1	Steel	1/10/2013	28491	122,305.50	93,767.78	815.36
Bridge (Deck)	PASCAL PLACE	83	HARROWFIELD SEWER	84	10	1	Steel	1/10/2013	34700	256,349.25	225,587.46	1,708.99
Bridge (Deck)	KAREN CRESCENT	240	KAREN CRESCENT (TO WINNING TER	250	10	1	Reinforced Concrete	1/10/2013	29587	57,678.75	45,374.16	384.52
Bridge (Deck)	CLAUDELANDS ROAD	237	SONNING CAR PARK (RIVER ROAD)	283	46	1	Steel	1/10/2013	23743	833,070.38	566,488.18	5,553.80
Bridge (Deck)	TRISTRAM STREET	854	TRISTRAM ST PED BRIDGE	864	10	1	Prestressed Concrete	1/10/2013	33604	144,067.50	123,898.19	960.44
Bridge (Deck)	ROTOTUNA ROAD (E)	1185	RESOLUTION DRIVE1	1195	10	1	Reinforced Concrete	1/10/2013	36892	1,165,425.75	1,072,191.77	7,769.50
Bridge (Deck)	PETERSBURG DRIVE	270	ST PETERSBERG BRIDGE	280	10	1	Prestressed Concrete	1/10/2013	39083	476,307.00	457,254.76	3,175.37
Bridge (Deck)	CARRS ROAD	193	Carrs Road Bridge	225	32	1	Reinforced Concrete	1/10/2013	40909	1,364,139.00	1,355,044.75	9,094.25
Bridge (Deck)	WAIRERE DRV RING ROAD STH BND	3125	ECMT OVER BRIDGE (RUAKURA)	3151	26	1	Reinforced Concrete	1/10/2013	40909	2,290,907.25	2,275,634.54	15,272.71
Bridge (Deck)	MANGAHARAKEKE DRIVE - NTH BND	6360	LOCAL ROAD OVERBRIDGE	6400	40	1	Prestressed Concrete	1/10/2013	41268	2,841,932.25	2,822,986.04	18,946.21
Bridge (Deck)	MANGAHARAKEKE DRIVE - NTH BND	5460	TE KOWHAI OVERBRIDGE	5501	41		Reinforced Concrete		41268	3,871,537.88	3,845,727.62	25,810.25

77,014,733.66 53,708,409.79 513,431.38

Asset Category	Road ID	Start m	End M	Drain Type	Bridge ID	Drain Size	Date Constructed	Remaining Useful Life	Valuation Date	Replacement Cost	Depreciated Replacement Cost	Annual Depreciation
Bridge Culvert	ABERDEEN DRIVE	132	133	Culvert	ABERDEEN DRIVE	2,400	1/01/1967	34	17/09/2013	\$267,183	\$113,553	\$3,340
Bridge Culvert	CHEDWORTH AVENUE	261	262	Culvert	CHEDWORTH AVENUE	1,800	1/01/1976	43	17/09/2013	\$255,599	\$137,385	\$3,195
Bridge Culvert	COBHAM DRIVE (ARCHERY)	352	353	Culvert	COBHAM DRIVE (ARCHERY)	2,100	1/01/1961	28	17/09/2013	\$389,325	\$136,265	\$4,867
Bridge Culvert	CROSBY ROAD	342	343	Culvert	CROSBY ROAD	2,750	1/01/1972	3	17/09/2013	\$240,479	\$16,397	\$5,465
Bridge Culvert	HUKANUI ROAD	2707	2708	Culvert	HUKANUI ROAD	5,100	1/01/1997	24	17/09/2013	\$1,154,741	\$692,845	\$28,868
Bridge Culvert	HUNTINGTON	3910	3911	Culvert	HUNTINGTON	3,600	1/01/1995	62	17/09/2013	\$410,527	\$318,159	\$5,132
Bridge Culvert	JOHNSON STREET	172	173	Culvert	JOHNSON STREET	2,550	1/01/1978	45	17/09/2013	\$556,693	\$313,140	\$6,959
Bridge Culvert	MAEROA ROAD	1507	1508	Culvert	MAEROA ROAD	2,100	1/01/1940	7	17/09/2013	\$350,187	\$30,642	\$4,377
Bridge Culvert	PEACOCKS ROAD	388	389	Culvert	PEACOCKS ROAD	3,450	1/01/1957	24	17/09/2013	\$363,929	\$109,179	\$4,549
Bridge Culvert	PUKETE ROAD	2844	2845	Culvert	PUKETE ROAD	2,100	1/01/1980	47	17/09/2013	\$242,711	\$142,593	\$3,034
Bridge Culvert	SAXBYS ROAD	290	291	Culvert	SAXBYS ROAD	3,100	1/01/1966	33	17/09/2013	\$246,887	\$101,841	\$3,086
Bridge Culvert	SEDDON ROAD2	1388	1389	Culvert	SEDDON ROAD2	2,100	1/01/1945	12	17/09/2013	\$68,664	\$10,301	\$858
Bridge Culvert	ULSTER STREET	638	639	Culvert	ULSTER STREET	4,000	1/01/1959	26	17/09/2013	\$1,467,871	\$477,059	\$18,348
Bridge Culvert	NO.1 BRIDGE (VICTORIA STREET)	787	788	Culvert	NO.1 BRIDGE (VICTORIA STREET)	3,000	1/01/1938	5	17/09/2013	\$264,175	\$16,512	\$3,302
Bridge Culvert	WATERFORD ROAD	123	124	Culvert	WATERFORD ROAD	2,700	1/01/1960	3	17/09/2013	\$338,804	\$18,151	\$6,050
Bridge Culvert	MAGELLAN RISE	204	205	Culvert	MAGELLAN RISE	3,000	1/01/2002	69	17/09/2013	\$525,491	\$453,236	\$6,569
Bridge Culvert	TUIRANGI STREET	301	302	Culvert	TUIRANGI STREET	3,000	1/01/2002	69	17/09/2013	\$385,360	\$332,373	\$4,817
Bridge Culvert	TE AWA O KATA PAKI STREAM	9574	9575	Culvert	TE AWA O KATA PAKI STREAM	2,700	1/01/1984	11	17/09/2013	\$392,300	\$107,883	\$9,807
Bridge Culvert	RESOLUTION DRIVE2	1900	1901	Culvert	RESOLUTION DRIVE2	4,000	1/01/2006	73	17/09/2013	\$734,909	\$670,604	\$9,186
Bridge Culvert	WAIRERE DR CULVERT WITH HEAD W	5103	5104	Culvert	WAIRERE DR CULVERT WITH HEAD W	2,100	2/09/2010	77	17/09/2013	\$647,228	\$622,957	\$8,090
											\$9,303,060	\$4,821,075
												\$139,900