

## Appendix B: 10 Year Asset Management Plan - Bridges

Bridge No	Name	Additional Investigations (From 2015 OSIM)		Replace and Rehabilitation Needs (From 2015 OSIM Inspections and Current Bridge Information)						Prioritization of Capital Work											
		Investigation	Cost	< 1 year	cost	1-5 years	Cost	6-10 years	Cost	Prioritized Year of Need - Major Capital Works	Prioritized Year of Need - Minor Capital Works	Estimated Major and Minor Capital Work Expenditures per Year (1) (2) (3)									
												2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
14-146	7th Concession Bridge	Rehabilitation/Replacement Study Monitor Settlements/Movements	\$ 25,000.00		\$ -	Major Rehabilitation on Bridge	\$ 1,511,600.00		\$ -	2016	-	\$ 1,511,600.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
24-030	Treadwell Bridge	Rehabilitation/Replacement Study	\$ 25,000.00		\$ -	Major Rehabilitation on Bridge	\$ 662,036.00		\$ -	2017	-	\$ -	\$ 662,036.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
02-139	Cobb Lake Bridge	Rehabilitation/Replacement Study	\$ 20,000.00		\$ -	Major Rehabilitation on Bridge	\$ 927,200.00		\$ -	2017	-	\$ -	\$ 927,200.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
18-062	St. Anne Bridge	Rehabilitation/Replacement Study	\$ 20,000.00		\$ -	Major Rehabilitation on Bridge	\$ 921,932.00		\$ -	2017	-	\$ -	\$ 921,932.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
03-261	Paul Emile Levesque Bridge	Rehabilitation/Replacement Study Rehabilitation/ Replacement Study Structural Evaluation	\$ 5,000.00 \$ 30,000.00		\$ 468,000.00	Install Code Compliant End Treatments and Connections Replace Deck Barrier	\$ 468,000.00		\$ -	-	2018	\$ -	\$ -	\$ 679,500.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
98-002	South North Bridge	Rehabilitation/Replacement Study Structural Evaluation	\$ 30,000.00		\$ -	Replace Bridge	\$ 506,500.00		\$ -	2018	-	\$ -	\$ -	\$ 506,500.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
03-101	Embrun Bridge	Rehabilitation/Replacement Study Structural Evaluation Coating Survey Monitor Settlements/Movements	\$ 17,500.00		\$ 68,000.00	Install Code Compliant Barrier Install Code Code Compliant End Treatments	\$ 68,000.00		\$ -	-	2020	\$ -	\$ -	\$ -	\$ 352,500.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
06-027	East Branch Castor River Bridge	Rehabilitation/Replacement Study Detailed Deck Condition Survey	\$ 10,000.00		\$ 100,000.00	Install Code Compliant End Treatments Replace Deck Barrier	\$ 100,000.00		\$ -	-	2019	\$ -	\$ -	\$ -	\$ 287,500.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
06-077	South Russell Bridge	Rehabilitation/Replacement Study Detailed Deck Condition Survey	\$ 10,000.00		\$ 160,000.00	Install Code Compliant End Treatments and Connections Replace Deck Barrier	\$ 160,000.00		\$ -	-	2019	\$ -	\$ -	\$ -	\$ 397,300.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
98-004	Alfcal Bridge	Rehabilitation/Replacement Study Detailed Deck Condition Survey	\$ 10,000.00		\$ 112,000.00	Install Code Compliant Barrier on Deck and Approaches	\$ 112,000.00		\$ -	-	2020	\$ -	\$ -	\$ -	\$ 189,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
06-001	Russell Bridge	Rehabilitation/Replacement Study Monitor Settlements/Movements	\$ 5,000.00		\$ 164,000.00	Install Code Compliant Barrier on Deck and Approaches	\$ 164,000.00		\$ -	-	2022	\$ -	\$ -	\$ -	\$ -	\$ 181,300.00	\$ -	\$ -	\$ -	\$ -	\$ -
17-003	Little Rideau Creek Crossing Bridge	Rehabilitation/Replacement Study Detailed Deck Condition Survey	\$ 5,000.00		\$ 135,200.00	Install Code Compliant End treatments Replace Deck Barrier	\$ 135,200.00		\$ -	-	2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 178,700.00	\$ -	\$ -	\$ -
05-082	Little Castor Bridge	Rehabilitation/Replacement Study Detailed Deck Condition Survey	\$ 13,000.00		\$ 104,800.00	Install Code Compliant End treatments and Connections Replace Deck Barrier	\$ 104,800.00		\$ -	-	2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 104,800.00	\$ -	\$ -	\$ -
04-139	Dan Kirby Bridge	Rehabilitation/Replacement Study	\$ 5,000.00		\$ 92,000.00	Install Code Compliant Barrier on Deck and Connections Replace Deck Barrier	\$ 92,000.00		\$ -	-	2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 126,500.00	\$ -	\$ -	\$ -
10-421	St-Eugene Bridge	Rehabilitation/Replacement Study	\$ 5,000.00		\$ 104,800.00	Install Code Compliant End treatments and Connections Replace Deck Barrier	\$ 104,800.00		\$ -	-	2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 112,300.00	\$ -	\$ -	\$ -
09-073	Plantagenet Bridge	Rehabilitation/Replacement Study	\$ 5,000.00		\$ 12,000.00	Install Code Compliant End Treatments	\$ 12,000.00		\$ -	-	2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 38,000.00	\$ -	\$ -	\$ -
15-146	Horse Creek Bridge	Rehabilitation/Replacement Study	\$ 5,000.00		\$ -	Concrete Repairs on Soffit Concrete Repairs on Abutment Walls	\$ 28,800.00		\$ -	-	2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 28,800.00	\$ -	\$ -	\$ -
17-002	Des Atocas Crossing Bridge	Rehabilitation/Replacement Study Detailed Deck Condition Survey	\$ 13,000.00		\$ 16,000.00	Install Code Compliant End treatments Connections	\$ 16,000.00		\$ -	-	2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 156,600.00	\$ -	\$ -	\$ -
15-221	Lalonde Bridge	Rehabilitation/Replacement Study Detailed Deck Condition Survey	\$ 13,000.00		\$ 144,000.00	Install Code Compliant End Treatments and Connections Replace Deck Barrier	\$ 144,000.00		\$ -	-	2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 149,000.00	\$ -	\$ -	\$ -
98-006	Marionville Bridge	Rehabilitation/Replacement Study Detailed Deck Condition Survey	\$ 10,000.00		\$ 178,000.00	Replace Deck Barrier	\$ 178,000.00		\$ -	-	2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 311,000.00	\$ -	\$ -	\$ -
24-294	Mill Creek Bridge (Alfred)	Rehabilitation/Replacement Study Detailed Condition Survey Monitor Settlements/Movements	\$ 15,500.00		\$ 100,000.00	Replace Deck Barrier	\$ 100,000.00		\$ -	-	2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 125,000.00	\$ -	\$ -
19-152	Pendleton Bridge (Clovis Tourigny B)	Rehabilitation/Replacement Study Detailed Deck Condition Survey	\$ 13,000.00		\$ 190,500.00	Install Code Compliant End Treatments and Connections Replace Deck Barrier	\$ 190,500.00		\$ -	-	2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 305,500.00	\$ -	\$ -
29-079	Gaston Patenaude (South)	Rehabilitation/Replacement Study	\$ 5,000.00		\$ 208,000.00	Install Code Compliant End Treatments and Connections Replace Deck Barrier	\$ 208,000.00		\$ -	-	2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 297,500.00	\$ -	\$ -
29-078	Gaston Patenaude (North)	Rehabilitation/Replacement Study	\$ 5,000.00		\$ 212,800.00	Install Code Compliant End Treatments Replace Deck Barrier	\$ 212,800.00		\$ -	-	2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 235,800.00	\$ -	\$ -

03-418	Bourgon Bridge	Rehabilitation/Replacement Study Detailed Deck Condition Survey	\$ 13,000.00	Install Code Compliant End Treatments	\$ 16,000.00	Asphalt Surface Repair on Approaches Replace Expansion Joints Asphalt Surface Repair on Deck Concrete Repairs on Girders Concrete Repairs on Wingwalls Concrete Repairs on Abutment Walls	\$ 157,260.00	\$ -	-	2024	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 173,260.00	\$ -	
19-001	Bear Brook Bridge (Claude Lemay Br)	Rehabilitation/Replacement Study Detailed Deck Condition Survey	\$ 13,000.00	Install Code Compliant End Treatments and Connections	\$ 28,000.00	Asphalt Surface Repairs on Approaches Replace Joint Seal Repave Deck Wearing Surface	\$ 100,000.00	\$ -	-	2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 128,000.00
28-065	Menard Bridge	Detailed Deck Condition Survey	\$ 8,000.00	Replace Damaged End Treatment	\$ 4,000.00	Concrete Repairs on Soffit Concrete Repairs on Abutment Walls	\$ 33,000.00	\$ -	-	2025	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 37,000.00
17-004	Jessop's Falls Bridge (Nation River Bri	Rehabilitation/Replacement Study	\$ 5,000.00	Install Code Compliant End treatments	\$ 16,000.00	Concrete Repairs on Wingwalls	\$ 15,000.00	\$ -	-	2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31,000.00
29-105	Rivard Bridge	Rehabilitation/Replacement Study Detailed Deck Condition Survey	\$ 13,000.00	Install Code Compliant End Treatments Replace Deck Barrier	\$ 54,000.00	Concrete Repairs on Soffit	\$ 15,000.00	\$ -	-	2025	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 69,000.00
25-020	Fitzhenry Bridge	Rehabilitation/Replacement Study	\$ 5,000.00	Install Code Compliant End Treatments and Connections	\$ 49,000.00	Concrete Repairs on Deck Barrier Replace Joint Seals Replace Deck Drains Asphalt Surface Repair on Deck	\$ 56,000.00	\$ -	-	2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 105,000.00
08-308	Belanger Bridge	Rehabilitation/Replacement Study Detailed Deck Condition Survey	\$ 13,000.00	Install Code Compliant End Treatments and Connections	\$ 28,000.00	Concrete Repairs on Deck Barrier Replace Joint Seals Concrete Repairs on Soffit Concrete Repairs on Diaphragms Concrete Repairs on Ballast Walls Concrete Repairs on Abutment Walls Concrete Repairs on Pier Cap	\$ 363,000.00	\$ -	-	2025	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 391,000.00
16-109	Riceville Bridge	Rehabilitation/Replacement Study	\$ 5,000.00	Install Code Compliant End Treatments and Connections	\$ 28,000.00	Replace Abutment Bearings Concrete Repairs on Pier Shaft Concrete Repairs on Retaining Walls	\$ 78,900.00	\$ -	-	2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 106,900.00
07-040	St. Albert Bridge (L.E. Brisson Bridge)	Rehabilitation/Replacement Study Detailed Deck Condition Survey	\$ 13,000.00	Install Code Compliant End Treatments and Connections	\$ 28,000.00	Asphalt Surface Repairs on Approaches	\$ 15,000.00	\$ -	-	2025	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 43,000.00
09-071	Plantagenet Twin Arch Bridge	Rehabilitation/Replacement Study	\$ 5,000.00	Install Code Compliant End Treatments	\$ 8,000.00	Concrete Repairs on Wingwalls Concrete Repairs on Abutment Walls	\$ 62,000.00	\$ -	-	2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 70,000.00
03-397	Quesnel Bridge	Rehabilitation/Replacement Study Detailed Deck Condition Survey	\$ 13,000.00	Install Code Compliant End Treatments	\$ 16,000.00	Concrete Repairs on Girders Concrete Repairs on Wingwalls Concrete Repairs on Abutment Walls	\$ 20,000.00	\$ -	-	2025	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 36,000.00
09-176	J. Henri Seguin Bridge	Rehabilitation/Replacement Study	\$ 5,000.00	Install Code Compliant End Treatments	\$ 16,000.00	Concrete Repairs on Concrete End Dams Replace Joint Seals Concrete Repairs on Deck Top	\$ 61,800.00	\$ -	-	2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 77,800.00
24-192	Azatika Bridge	Rehabilitation/Replacement Study	\$ 5,000.00	Install Code Compliant End Treatments	\$ 16,000.00		\$ -	\$ -	-	2025	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,000.00
98-007	Scotch River Bridge		\$ -	Install Code Compliant End Treatments	\$ 16,000.00		\$ -	\$ -	-	2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,000.00
08-100	Ferry Road Bridge	Rehabilitation/Replacement Study	\$ 5,000.00	Install Code Compliant End Treatments and Connections	\$ 20,000.00		\$ -	\$ -	-	2025	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,000.00
08-204	Oullette Bridge		\$ -		\$ -	Concrete Repairs on Soffit	\$ 5,000.00	\$ -	-	2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,000.00
05-098	Brisson Bridge		\$ -		\$ -		\$ -	\$ -	-	2025	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Subtotals</b>	<b>Bridges</b>		\$ 411,000.00		\$ 2,913,100.00		\$ 7,197,728.00	\$ -	-		\$ 1,511,600.00	\$ 2,511,168.00	\$ 1,186,000.00	\$ 684,800.00	\$ 541,500.00	\$ -	\$ 181,300.00	\$ 1,205,700.00	\$ 1,137,060.00	\$ 1,151,700.00		
<b>Subtotals</b>	<b>Culverts</b>		\$ 630,000.00		\$ 2,025,500.00		\$ 5,391,300.00	\$ 3,448,200.00			\$ -	\$ -	\$ 1,515,500.00	\$ 1,466,000.00	\$ 1,523,000.00	\$ 2,119,000.00	\$ 1,971,000.00	\$ 1,035,800.00	\$ 1,010,400.00	\$ 224,300.00		
<b>Totals</b>			\$ 1,041,000.00		\$ 4,938,600.00		\$ 12,589,028.00	\$ 3,448,200.00			\$ 1,511,600.00	\$ 2,511,168.00	\$ 2,701,500.00	\$ 2,150,800.00	\$ 2,064,500.00	\$ 2,119,000.00	\$ 2,152,300.00	\$ 2,241,500.00	\$ 2,147,460.00	\$ 1,376,000.00		

Notes:  
(1) For structures scheduled for Major Rehabilitation / Replacement, it has been assumed that barrier work will be complete at the same time that the structure is replaced. Therefore, for these structures, the barrier costs have been not been included in the "Prioritization of Capital Work" section of the table above.  
(2) Amount shown in year to year plan in 2015 dollars and does not consider any inflation.  
(3) Cost / final scope may change based on outcome of rehabilitation study