

County of Peterborough

Department of Public Works

**Bridge and Culvert Rehabilitation and Construction
10 - Year Capital Forecast
2019 - 2028**

Assumptions:

Deer Bay Culvert Replacement - increase of \$300,000
 Buckhorn Bridges - tender prep 2019; rehab 2020
 Gannon's Narrows Bridge - new project added in 2019
 Keene Station Bridge - replace superstructure in 2019 per EA
 Crowe River bridge deferred to 2021; no commitment from M & L
 2019 Deck Condition Surveys - No.s 021001, 620001, 036006, 032001

North River Bridge - replacement remains in 2020
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Note: estimates from 2015/2016 AECOM Municipal Structure & 2017 AUE OSIM
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Structure No.	Name	TWP	Scope of Work	Age of Structure	2018 carry overs	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total
099005	Bland Culvert	CM	Rehabilitate	1948						169,000						169,000
099090	Rotary Trail Bridge	DD	Rehabilitate	1950										75,000		75,000
010004	CR 10 unnamed culvert	CM	Replace	1950						36,000						36,000
009001	Dunlop's Bridge	CM	Rehabilitate	1950											26,000	26,000
TBD	CR 44 cross-culverts	HBM	Replace	1950		50,000								750,000		800,000
504003	Crowe River Bridge	NK	Replace	1953	310,000	1,700,000										2,010,000
016001	Gannon's Narrows Bridge	SEL	Rehabilitate	1954		1,250,000							25,000			1,275,000
099034	Tully's Bridge	SEL	Replace	1955								50,000		1,000,000		1,050,000
099069	Catchacoma Bridge	TL	Rehabilitate	1955						458,000						458,000
006001	Gilchrist Park Bridge	DD	Rehabilitate	1955						133,000						133,000
099064	Molyneaux Bridge	TL	Rehabilitate	1955							143,000					143,000
099010	Stewart Hall Bridge	OSM	Rehabilitate	1955								61,000				61,000
099072	Paudash Bridge	NK	Rehabilitate	1955											103,000	103,000
045001	Ouse River Bridge	AN	Rehabilitate	1958									200,000			200,000
620001	Eels Creek Bridge	NK	Rehabilitate	1958		0	0	0	10,000	50,000	468,000					528,000
099001	Bigelow Bridge	CM	Rehabilitate	1958						143,000						143,000
099053	Concession Creek Bridge	TL	Rehabilitate	1958											50,000	50,000
099061	Coon's Bridge	NK	Rehabilitate	1959						172,000						172,000
099044	Wigamore Bridge	DD	Rehabilitate	1960				78,000								78,000
010002	Cavan Bridge	CM	Rehabilitate	1960						275,000						275,000
099063	Barr Bridge	TL	Rehabilitate	1962					-	119,000						119,000

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099052	Watson's Bridge	TL	Rehabilitate	1963						100,000						100,000
036006	Nogie's Creek Bridge	TL	Rehabilitate	1963		10,000	50,000		1,097,000							1,157,000
036004	Miskwa Ziibi Bridge	TL	Rehabilitate	1964						283,000						283,000
099024	Comstock Bridge	AN	Rehabilitate	1964							134,000					134,000
099066	Union Creek Bridge	TL	Replace	1964	49,000								700,000			749,000
034001	CNR Overhead Bridge	OSM	Replace	1965						100,000		1,564,835				1,664,835
099073	Garret's Creek Bridge	NK	Rehabilitate	1965						116,500						116,500
032001	Hickey's Bridge	DD	Rehabilitate	1965		10,000		30,000	269,000							309,000
099045	Melrose Bridge	DD	Rehabilitate	1965							100,000					100,000
099056	Squaw River Bridge	TL	Rehabilitate	1965							154,500					154,500
038001	Warsaw Bridge	DD	Rehabilitate	1965							124,000					124,000
008001	Burns Bridge	DD	Rehabilitate	1965								130,000				130,000
504001	Eels Creek Bridge	NK	Rehabilitate	1965								305,000				305,000
099013	Lang Bridge	OSM	Rehabilitate	1965							493,000		0			493,000
099039	Warsaw Arena Bridge	DD	Rehabilitate	1965									15,000			15,000
046001	North River Bridge	HBM	Replace	1966			1,300,000									1,300,000
099038	Heffernan's Bridge	DD	Rehabilitate	1966							278,000					278,000
099042	Payne's Bridge	DD	Rehabilitate	1966								91,000				91,000
009003	Paynes Bridge	CM	Rehabilitate	1966									26,000			26,000
021001	Firehall Bridge	CM	Rehabilitate	1967		10,000	30,000	206,000								246,000
099058	Cedar Lake Bridge	NK	Rehabilitate	1967							144,000					144,000

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099030	Elm Street Bridge	AN	Rehabilitate	1972									35,000			35,000
620003	Crowe River bridge	NK	Rehabilitate	1973											128,500	128,500
029002	Otonabee River Bridge	SEL	Rehabilitate	1974						383,000						383,000
029001	Trent Canal Bridge	SEL	Rehabilitate	1974						225,000						225,000
099051	Kraeger's Bridge	TL	Rehabilitate	1976									112,000			112,000
099085	Jackson's Bridge	TL	Rehabilitate	1976											36,000	36,000
023001	Lower Buckhorn Bridge	SEL/TL	Rehabilitate	1977		25,000	250,000									275,000
099050	Crowe River Bridge	HBM	Rehabilitate	1977	24,000	0	0	400,000								424,000
023002	Trent Canal Bridge	SEL/TL	Rehabilitate	1977		25,000	250,000									275,000
099008	Rollin' Acres Bridge	CM	Rehabilitate	1977									70,000			70,000
009004	CR 9 culvert	CM	Rehabilitate	1977											36,000	36,000
009005	CR 9 culvert	CM	Rehabilitate	1977											36,000	36,000
028002	Baxter Creek Bridge	CM/OSM	Rehabilitate	1978	50,000		0	500,000		-						550,000
099031	Findlay's Bridge	AN	Rehabilitate	1978									104,000			104,000
099003	Winslow Bridge	CM	Rehabilitate	1979									61,000			61,000
037003	Lakehurst Road Multiplate	TL	Replace	1980							50,000		826,800			876,800
099074	Peter's Island Bridge	TL	Replace	1981		50,000	800,000		0		0					850,000
099027	McNulty's Bridge	AN	Rehabilitate	1981											26,000	26,000
099075	Gold/Beaver Lake Bridge	NK	Rehabilitate	1982									238,000			238,000
504002	Mink Creek Bridge	NK	Rehabilitate	1993									50,000			50,000
099018	Elmhurst bridge	OSM	Rehabilitate	1995									61,000			61,000

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099014	Hope's Bridge	OSM	Rehabilitate	2001						0			1,000,000	-		1,000,000	
099071	Booths Bridge	NK	Replace	2001								50,000		1,097,000		1,147,000	
099015	Armstrong Bridge	OSM	Rehabilitate	2003									28,000			28,000	
099019	Birdsall Bridge	OSM	Rehabilitate	2012									26,000			26,000	
009002	Wards Bridge	CM	Rehabilitate	2013		10,000	100,000									110,000	
099087	Old Norwood Road Bridge	OSM	Replace	2018												0	
Total						\$ 1,321,000	\$ 4,715,000	\$ 2,875,000	\$ 3,947,000	\$ 3,373,000	\$ 4,354,500	\$ 3,848,500	\$ 3,440,335	\$ 4,332,800	\$ 4,622,000	\$ 4,506,500	\$ 41,335,650

2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
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2018 10 year \$ 3,331,000 \$ 1,865,000 \$ 3,237,000 \$ 2,982,000 \$ 3,900,000 \$ 3,500,000 \$ 2,979,000 \$ 3,628,000 \$ 4,469,000 \$ 4,000,000
 \$(1,384,000) \$(1,010,000) \$ (710,000) \$ (391,000) \$ (454,500) \$ (348,500) \$ (461,335) \$ (704,800) \$ (153,000) \$ (506,500)