



Bridges and Major Culverts 10-Year Plan

Change From Prior Year Budget	Project	Project #	Project Type												Total
				2024	2025	2026	2027	2028	2029	2030	2031	2032	2033		
	Repayment of Loan from Reserve Funds			690,206						-	-	-			690,206
	Bridge Repairs and Remediation	2024-001, 2019-006		100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000
	Pre-Engineering	2024-002, 2019-087		110,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,010,000
No Change	Structure 14-P (Sideroad 4)	301-0885	Bridge Rehabilitation	295,000											295,000
No Change	Structure 4-E (Fifth Line)	301-0711	Bridge Rehabilitation	450,000											450,000
No Change	Structure 11-WG (Sideroad 25)	2017-084	Bridge Rehabilitation	165,000											165,000
New	Joint MCEA (2-WG, 3-E, 5-E, and 7-E)	2024-075	Bridge Assessment	250,000											250,000
New	Structure 26-P (First Line West)	2024-076	Bridge Rehabilitation	480,000											480,000
1	Structure 30-WG (Sideroad 15 - Queen Mary)	2010-076	Bridge Replacement	150,000	200,000	2,100,000									2,450,000
-2	Structure 32-P & 33-P (Noah Road)	2016-049	Bridge Replacement	150,000			2,600,000								2,750,000
-1	Structure 4-F (Pedestrian Bridge behind FGT)	2019-089	Bridge Rehabilitation		145,000										145,000
-1	Structure 3-WG (Fourth Line)	2017-081	Bridge Rehabilitation		1,100,000										1,100,000
New	Structure 34-WG (Sideroad 10)	2024-077	Culvert Replacement		380,000										380,000
New	Structure 35-P (Sideroad 4)	2024-078	Culvert Replacement		400,000										400,000
New	Structure 4-N (Sideroad 10)	2024-079	Culvert Rehabilitation		90,000										90,000
New	Structure 7-N (Sideroad 5)	2024-080	Culvert Rehabilitation		90,000										90,000
New	Structure 22-N (Sideroad 5)	2024-081	Culvert Replacement		90,000										90,000
No Change	Structure 5-P (Weisenberg Road Bridge)	F0116	Bridge Replacement		50,000	75,000	550,000								675,000
2	Structure 1-E (Seventh Line)	2017-082	Bridge Rehabilitation			295,000									295,000
New	Structure 31-P (Third Line West)	2024-082	Culvert Rehabilitation			90,000									90,000
New	Structure 9-P (Sixth Line E)	2024-083	Culvert Rehabilitation			15,000									15,000
New	Structure 13-P (Second Line E)	2024-084	Culvert Rehabilitation			15,000									15,000
-2	Structure 3-E (Sixth Line)	2016-063	Bridge Replacement					1,900,000							1,900,000
-2	East West Garafraxa Townline Culvert - 0016	2020-058	Culvert Replacement					420,000							420,000
No Change	Middlebrook Place Boundary Road Culvert - 170160	2017-080	Culvert Replacement					300,000							300,000
No Change	Middlebrook Place Boundary Bridge Removal - 180160	2021-070	Bridge Removal					360,000							360,000
1	Structure 23-P (Eighth Line W)	2018-049	Culvert Replacements							800,000					800,000
-1	Structure 31-WG (Second Line Bridge over Grand River)	2012-096	Bridge Deck Replacement							2,000,000					2,000,000
-2	Structure 18-P (Middlebrook Road)	2023-073	Rehab extensions							150,000					150,000
-1	Structure 30-P (Sideroad 5)	2016-060	Bridge Replacement								1,200,000				1,200,000
-1	Structure 5-E (Fourth Line)	2014-073	Bridge Replacement								1,700,000				1,700,000
No Change	Structure 29-WG (Sideroad 15)	2017-089	Bridge Replacement									1,600,000			1,600,000
No Change	Structure 7-E (Third Line)	2023-074	Bridge Replacement									1,300,000			1,300,000
-2	Structure 21-WG (First Line)	2016-064	Bridge Replacement										2,400,000		2,400,000
No Change	Structure 12-N (Washington St)	2014-043	Bridge Replacement										500,000		500,000
-1	Structure 28-P (Sideroad 11)	2011-043	Bridge Replacement											1,500,000	1,500,000
New	Structure 3-F (Hill St)	2024-120	Culvert Replacement											450,000	450,000
New	Structure 2050 (Sideroad 25)	2024-121	Culvert Replacement											310,000	310,000
New	Structure 7-WG (East-West Garafraxa Townline)	2024-122	Culvert Replacement											670,000	670,000
New	Structure 2-N (Beatty Line)	2024-123	Culvert Rehabilitation											90,000	90,000
Total				2,840,206	2,745,000	2,790,000	3,350,000	3,180,000	3,150,000	3,150,000	3,100,000	3,100,000	3,100,000	3,220,000	30,575,206
	Opening Balance			116,788	221,314	459,209	875,931	557,156	443,574	395,889	434,819	511,096	625,467		
	Add: Dedicated Capital Levy Allocation			1,611,012	1,658,173	1,691,336	1,725,163	1,759,666	1,794,859	1,830,756	1,867,371	1,904,718	1,942,812		
	Add: Estimated Assessment Growth			47,161	33,163	33,827	34,503	35,193	35,897	36,615	37,347	38,094	38,856		
	Add: OCIF Funding Allocation			1,271,559	1,271,559	1,271,559	1,271,559	1,271,559	1,271,559	1,271,559	1,271,559	1,271,559	1,271,559		
	Add: Development Charges Allocation (10% Growth)			15,000	20,000	210,000	-	-	-	-	-	-	-		
	Less: Transfer to Capital			(2,840,206)	(2,745,000)	(2,790,000)	(3,350,000)	(3,180,000)	(3,150,000)	(3,100,000)	(3,100,000)	(3,100,000)	(3,220,000)		
	Ending Balance			221,314	459,209	875,931	557,156	443,574	395,889	434,819	511,096	625,467	658,694		

Factors on the Bridge Rehabilitation and Replacement Program

- Annual financial constraints
- Construction scheduling efficiencies (e.g.: rehab while road is closed)
- Review of structure condition and monitoring previous repairs

Notes

Major rehabilitation can extend service life of a structure 20 to 30 years

Legend

- Bridge has been closed
- Bridge has been load and/or height restricted