

2016 Summary of the 10 Year Capital Plan (2016 - 2025) Tangible Capital Asset (TCA) Replacement Schedules (planned spending)

North Frontenac's 10 year projected infrastructure investment asset requirements using replacement costs. This TCA Replacement Schedule only includes Capital Assets that are to be replaced within 10 years. (The Treasurer maintains an Asset Register of all TCA's.

Total With 2016 Draft TCA Amendments Incorporated

	2016	Approved 2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	total							
	Proposed in 2015 Budget	as of Oct. 26, 2015																	
Roads																			
Roads (hard surfaced) needs	564,000	564,000	605,000	468,000	446,000	598,000	528,000	588,000	480,000	547,000	622,000	5,446,000							
Roads (gravel) shortfall needs	95,000	95,000	95,000	95,000	95,000	95,000	95,000	95,000	95,000	95,000	95,000	950,000							
Bridges/culvert needs	187,500	380,800	33,500	95,500	321,000	130,000	104,600	54,300	97,900	28,700	100,000	1,346,300							
Sub-total	846,500	1,039,800	733,500	658,500	862,000	823,000	727,600	737,300	672,900	670,700	817,000	7,742,300							
Vehicles / Equipment	465,482	461,301	360,301	406,301	322,759	330,000	541,700	430,000	92,543	514,375	788,325	4,247,605							
Buildings	50,000	50,000	0	0	0	0	0	0	0	0	0	50,000							
Roads Total	1,361,982	1,551,101	1,093,801	1,064,801	1,184,759	1,153,000	1,269,300	1,167,300	765,443	1,185,075	1,605,325	12,039,905							
Waste																			
Land Acquisition												0							
Vehicles / Equipment	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	29,336	10,000	10,000	119,336							
Waste Total	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	29,336	10,000	10,000	119,336							
Recycling																			
Vehicles / Equipment	0	0	0	0	0	50,000	22,730	0	5,334	67,882	6,005	151,951							
Fire																			
Vehicles / Equipment	46,708	38,206	115,180	75,970	45,354	80,455	507,265	186,686	32,000	32,000	32,000	1,145,116							
Buildings	9,000	9,000	0	8,000	0	0	0	0	0	0	0	17,000							
Fire Total	55,708	47,206	115,180	83,970	45,354	80,455	507,265	186,686	32,000	32,000	32,000	1,162,116							
MNR Parks																			
Vehicles / Equipment	29,500	0	4,500	69,500	0	0	7,500	0	0	0	30,000	111,500							
Community Halls																			
Buildings	0	0	0	0	0	6,000	0	0	0	0	0	6,000							
Property / Building																			
Vehicles / Equipment	0	0	0	0	20,000	0	0	0	0	0	0	20,000							
Land Improvements	0	0	0	0	0	0	0	0	0	0	0	0							
Buildings	0	0	0	0	0	0	0	7,000	0	0	0	7,000							
Prop. / Build. Maint. Total	0	0	0	0	20,000	0	0	7,000	0	0	0	27,000							
Recreation																			
Equipment	0	0	70,141	15,000	0	30,000	0	0	0	0	24,000	139,141							
Land Improvements	0	0	0	0	0	0	0	0	0	0	0	0							
Buildings	0	0	0	0	0	0	0	2,500	0	0	0	2,500							
Recreation Total	0	0	70,141	15,000	0	30,000	0	2,500	0	0	24,000	141,641							
Protection																			
Vehicles / Equipment	0	0	0	0	0	0	0	0	0	0	0	0							
Streetlights																			
Equipment	0	0	0	0	0	0	0	0	78,812	0	0	78,812							
Building Department																			
Vehicles / Equipment	25,000	25,000	0	0	0	0	0	0	30,000	0	0	55,000							
Administration																			
Electronic Systems	34,000	34,000	34,000	34,000	34,000	34,000	34,000	34,000	34,000	34,000	34,000	340,000							
	2016	2016 Approved	2017	2018	2019	2020	2021	2022	2023	2023	2025	total							
Proposed TCA Additions	1,516,190	1,667,307	1,327,622	1,277,271	1,294,113	1,363,455	1,850,795	1,407,486	974,925	1,328,957	1,741,330	14,233,261							

Total Annual TCA per Schedule (based on 10 year Plan)		
2015	\$1,366,978	
2016	\$1,423,326	
difference	\$56,348	4.12% increase

Note: See the attached details/pages for complete breakdown of each category. The 10 Year Capital Plan Replacement Schedules were approved by Council as part of the Township's Asset Management Plan in 2013 and annually, as per the Auditor, the Managers review the Schedules and adjust /modify the Schedules where necessary or logical to do so, based on condition and use. Also, the schedules allow for the annual CPI adjustments.

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Roads - (Hard Surface) Needs

This Summary is from the 2012 D.M. Wills Road Condition Assessment Report (hard top only) and amended annually by the Public Works Manager

Preliminary Improvement Type Recommendation	Cost (\$1,000)	Resurfacing Year		Totals
Resurfacing Costs (10-Year Plan)	\$5,369			
Capital Reconstruction Costs:	\$695		Revised Estimates - based on condition	
Total 2016 Cost	\$564	2016	564000	
Total 2017 Cost	\$605	2017	605000	
Total 2018 Cost	\$468	2018	468000	
Total 2019 Cost	\$446	2019	446000	
Total 2020 Cost	\$598	2020	598000	
Total 2021 Cost	\$528	2021	528000	
Total 2022 Cost	\$588	2022	588000	
Total 2023 Cost	\$480	2023	480000	
Total 2024 Cost	\$547	2024	547000	
total 2025 Cost	\$622	2025	622000	
				5446000

Note: Council's Orientation Binder Section 32 contains the 2012 Road Condition Assessment Report however, these figures are reviewed and amended annually.

As per the 2016 Roads Needs Detail

Road 506 - 3.5 km *	\$564,000
(3 sections with Hot Mix Overlay)	
2016	\$564,000

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Roads - (Gravel) Needs

	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Totals
Identified Shortfall	95000	95000	95000	95000	95000	95000	95000	95000	95000	95000	950000
total cost	95000	95000	95000	95000	95000	95000	95000	95000	95000	95000	950000

Note: Gravel Road Resurfacing will be prioritized in Spring of 2016

Note: Council's Orientation Binder Section 33 contains the 2014 Gravel Road Study Report

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Roads - Bridges & Culverts		2016	Approved 2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Totals					
ROAD NAME	#	Proposed in 2015 Budget	as of Oct. 26, 2015															
Arcol Road Bridge	B22										28700							
Buckshot Creek Bridge	B10							104600										
Shiner Road	B19								54300									
Myer Cave Bridge	B22					321000												
Mississippi River Bridge																		
Folger Road Bridge #1	B25	156000	156000															
Coxvale Bridge	B13																	
Folger Road Bridge #2	B26									97900								
Buckshot Lake Road Bridge	B4																	
River Road Culvert																		
Browns Creek	C05		193300															
Buckshot Creek Culvert (509)	C9	31500	31500															
Black Creek	C17																	
Antome Creek	C21				95500													
Buckshot Creek Bridge	B6																	
Head Road Bridge	B1			33500														
Mountain Chute Bridge	B27						130000											
total cost		187500	380800	33500	95500	321000	130000	104600	54300	97900	28700	100000	1346300					
		**																
		OCIF Funding approved for Buckshot Creek Culvert	Buckshot & Brown's = cost sharing opportunity with L&A County, above includes 50% cost only - work deferred form 2015 to 2016	90% OGF Funding pending for Head Rd Bridge in 2017									Structure to be determined with 2016 OSIM Report					
<p>Note: Council's Orientation Binder Section 34 contains the 2012 OSIM Bridge & Culvert Inspection Prigram which is updated every two years, per legislation. The Public Works Manager has incorporated the new 2014 Program above and a copy will be provided to Council.</p>																		

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Roads/Waste/Recycling - Vehicles & Equipment

			2016	Approved 2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Totals
			Proposed in 2015 Budget	as of Oct. 26, 2015										
Roads	Roads													
B97-1	81038	1997 Backhoe/ Loader 416C		120000										
G94-1	81039	1994 Grader Catepillar Articulated				330000								
B02-1	81040	2002 Backhoe Catepillar 420D IT								125000				
E05-1	81046	Excavator Caterpillar 315L												203325
	81061	Sanding Units for 2 Ton Trucks					12319							
	81062	Pot Hole Patcher / Pavement Edgers					6121							
	81067	Sanding Units for 2 ton Truck					12319							
	81095	2015 Steam Jenny												15000
2T08-1	82024	2008 Ford F550 CH CB 4x4	63494	66301								68125		
2T08-3	82025	2008 Ford F550 CH CB 4x4	63494		66301							68125		
2T08-2	82026	2008 Ford F550 CH CB 4x4	63494			66301						68125		
T99-3	82062	1999 Truck Sterling Tandem w Pre-Wet Sys	265000	265000										
T08-1	82068	2008 Sterling Tandem Plow/Wing/Sanerbox						290000						
T06-1	82070	2006 Stering Tandem					282000							
T996-2	82075	1999 Sterling Tandem Truck							215000					
	82077	Milano Air Brake Float Trailer									32543			
T10-1	82079	2010 Freightliner Tandem							316700					
T05-1	82086	2005 Truck Sterling Tandem			270000									
T126-1	82087	2012 International Tandem									295000			
SUV12-1	82090	PWM SUV - Chevrolet Equinox purchased in 2012						30000						
T14-1	82094	2014 International Tandem										300000		
T15-1	82096	2015 Freightliner Tandem Truck												300000
P15-1	82098	2015 Ford F250 3/4 Ton 4X4 XLT - PWF										50000		
		2015 Tandem -												260000
		1989 Steam Jenny			14000									
		Misc. Small Machinery and Equipment - Roads	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	
		Sub-Total Vehicles / Equipment	465482	461301	360301	406301	322759	330000	541700	430000	92543	514375	788325	4247605
		Waste												
		Misc. Small Machinery and Equipment - Waste	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	
	81063	1999 Caterpillar Waste Compactor												
WJD83-1	81058	Crawler / Loader (John Deer 555)									19336			
		Sub-Total Vehicles / Equipment	10000	10000	10000	10000	10000	10000	10000	10000	29336	10000	10000	119336
		Recycling												
		Misc. Small Machinery and Equipment - Recycling									5334	19101	6005	
REC99-1	82084	1999 Sterling L7501 Multi-Lift Truck						50000						
COM-1	81050	TRI PACK COMPACTOR 10 H.P., 40 YARD ROLL OFF										14800		
	81047	Bear Wise Bin							11365			16623		
	81048	Bear Wise Bin							11365					
	81064	Bear Wise Bin										17358		
		Sub-Total Vehicles / Equipment	0	0	0	0	0	50000	22730	0	5334	67882	6005	151951
		Total	475482	471301	370301	416301	332759	390000	574430	440000	127213	592257	804330	4518892
			2016	Approved 2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	

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Fire - Vehicles & Equipment

Fire	Item	Description	2016 Proposed in 2015 Budget	Approved 2016 as of Oct. 26, 2015	2017	2018	2019	2020	2021	2022	2023	2024	2025	Totals
		All Pooled Bunker Gear and Protective Clothing will be annually replaced / updated as necessary therefore using an average anticipated cost per year of \$9,000 for the next 10 years	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000
		All Pooled Fire SCBAs will be annually replaced / updated as necessary therefore using an average anticipated cost per year of \$6,000 for the next 10 years	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000
		All Pooled Fire Hoses and Nozzles will be annually replaced / updated as necessary therefore using an average anticipated cost per year of \$7,000 for the next 10 years	7000	7000	7000	7000	7000	7000	7000	7000	7000	7000	7000	7000
		All Pooled Fire Machinery / Misc. General Equipment (including storage equipment) will be annually replaced / updated as necessary therefore using an average anticipated cost per year of \$10,000 for the next 10 years	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000
		Air Fill Station / Compressor Replacement												
	81021	Fire Communications- 2006	6206	6206										
	81022	Fire Communications			29678									
	81056	JEPP Equipment- Base Radio's				7150								
	81074	Pooled Fire Search & Rescue Equipment- 2010						19955						
S511	82076	2004 Ford Explorer SUV EFR					13354							
S521	82018	1988 Ford E350 Cube Rescue Van			45000									
P521	82069	2007 E-One tradition Pumper (replacement 2032)												
WL531	82071	GMC 4x4 1/2 Ton Wild Fire Truck				8412								
WL511	82078	2009 Ford F350 Crew Cab Wild Fire								42000				
WL521	82083	2007 GMC Sierra Wild Fire Truck				28409								
ATV531	82082	2011 CAN AM Outlander Max 800XT ATV									16500			
ATV511	82080	2009 CAN AM 800 XT Outlander ATV									20000			
ATV521	82004	2006 Arctic Cat Four Wheeler						15000						
UTL511	82013	Float Trailer Admiral Drive Systems w/ Mercury Outboard 30						13500						
T531	82014	1996 Ford Tanker							270000					
T521	82093	2013 Vacuum Tanker (replacemnet 2038)												
P531	82085	2009 International Pumper (replacement 2035)												
P511	82088	2011 Ford F 550 Mini Pumper							205265					
S531	82095	1995 GMC Equipment Van									31186			
	81017	water rescue equipment (pending Fire Master Plan)	8502		8502									
NFC531	82097	2015 Ford 1/2 Ton - Fire Chief									45000			
		Total fire department	\$ 46,708	\$ 38,206	\$ 115,180	\$ 75,970	\$ 45,354	\$ 80,455	\$ 507,265	\$ 186,686	\$ 32,000	\$ 32,000	\$ 32,000	\$ 1,145,116
			2016	Approved 2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	

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Miscellaneous Other Assets													
		<u>2016</u>	<u>Approved 2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>Total</u>
	Description	Proposed in 2015 Budget	as of Oct. 26, 2015										
	Building Department												
82034	2008 Ford Ranger XL EXT Cab - CBO Truck	25,000	25,000							30,000			
	Total Vehicles / Equipment	25,000	25,000	0	0	0	0	0	0	30,000	0	0	55,000
	MNR Parks												
82033	Ford Ranger XL EXT Cab Red	25,000	0		25,000							30,000	
82081	2010 Ford 150 Crew Cab - (transfer from road 2012)				34,000								
	Utility Trailer				2,500								
	new motor for 16' boat	4,500	0	4,500									
	14' Jon Boat Trailer - (new 2011)							1,500					
	Jon Boat - (new 2011)							6,000					
	Proposed ATV for MNR Parks -(council approval required)				8,000								
	Total Vehicles / Equipment	29,500	0	4,500	69,500	0	0	7,500	0	0	0	30,000	111,500
	Protection												
	Total Vehicles / Equipment	0	0	0	0	0	0	0	0	0	0	0	0
	Streetlights												
	Streetlights Replacement									78,812			
	Total Vehicles / Equipment	0	0	0	0	0	0	0	0	78,812	0	0	78,812
	Property Building												
82092	2012 Chev Cruze (C12-1) - (new 2012)					20,000							
	Total Vehicles / Equipment	0	0	0	0	20,000	0	0	0	0	0	0	20,000
	Total Land Improvements	0	0	0	0	0	0	0	0	0	0	0	0
	Recreation												
82032	Purchase of FC Ranger for Privy/Trail/Beaches replace with Used Vehicle				15,000								
	Multi-Purpose Equipment (Tractor & Trailer)											24,000	
	Pooled Recreation Equipment			65,141			30,000						
	Replace Outdoor Rink Boards			5,000									
	Total Equipment	0	0	70,141	15,000	0	30,000	0	0	0	0	24,000	139,141
	Total Land Improvements	0	0	0	0	0	0	0	0	0	0	0	0
	Electronic Systems												
	Pooled Computer Equipment (includes phone system, computer server and hardware, photocopier, postage meter etc)	34,000	34,000	34,000	34,000	34,000	34,000	34,000	34,000	34,000	34,000	34,000	
	Total Equipment	34,000	34,000	34,000	34,000	34,000	34,000	34,000	34,000	34,000	34,000	34,000	340,000
	Land Acquisitions												
	Total Land Aquisitions	0	0	0	0	0	0	0	0	0	0	0	0
	Total for other departments	88,500	59,000	108,641	118,500	54,000	64,000	41,500	34,000	142,812	34,000	88,000	656,453
		<u>2016</u>	<u>Approved 2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	

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Buildings - All Departments														
	<u>2016</u>	<u>approved 2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	Total		
	Proposed in 2015 Budget	as of Oct. 26, 2015												
Community Halls														
Barrie Pavillion beside Log Museum						6,000								
Sub-Total Buildings	0	0	0	0	0	6,000	0	0	0	0	0	6,000		
Fire														
Barrie Fire Hall - Proposed heating system replacement				8,000										
Barrie Fire Hall - Roof Sheeting replacement - south side	9,000	9,000												
Sub-Total Buildings	9,000	9,000	0	8,000	0	0	0	0	0	0	0	17,000		
Roads														
Ward 1 Garage - Roof replacement	50,000	50,000												
Ward 2 Garage														
Ward 3 Garage/Office														
Sub-Total Buildings	50,000	50,000	0	0	0	0	0	0	0	0	0	50,000		
Property / Building														
Old MNR Site Office Building - paint exterior								7,000						
Ward 2 Garage/Office														
Sub-Total Buildings	0	0	0	0	0	0	0	7,000	0	0	0	7,000		
Recreation														
Barrie Pavillion beside Tennis Courts - replace roof								2,500						
Sub-Total Buildings	0	0	0	0	0	0	0	2,500	0	0	0	2,500		
Total for buildings	59,000	59,000	0	8,000	0	6,000	0	9,500	0	0	0	82,500		
	<u>2016</u>	<u>approved 2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>			