



THE CORPORATION OF THE TOWNSHIP OF WAINFLEET

SPECIAL MEETING OF COUNCIL AGENDA

MONDAY, MARCH 8, 2021 AT 7:00 P.M.

COUNCIL CHAMBERS

Please be advised that the Council Chambers will be closed to the public to limit the spread of COVID-19. The proceedings of the meeting will be streamed live.

C07/21

1. **Call to Order**
2. **Land Acknowledgement Statement**
3. **Disclosure of Pecuniary Interest and the General Nature Thereof**
4. **Staff Reports & Recommendations**
 - a) 2021 Capital Budget
 - b) 2021 Operating Budget
5. **Closed Meeting**
6. **Rise & Report**
7. **Adjournment of Meeting**



Memo

To: Mayor Gibson & Members of Council
From: W. Kolasa, Chief Administrative Officer
Date: March 8, 2021
Re: Request for Information

At its special meeting of Council on March 3, 2021, Members of Council requested additional information regarding a number of budget-related items. Please find attached, for your consideration:

1. Fire & Emergency Services 10 Year Asset Forecast;
2. Operations Department 20 Year Fleet Forecast;
3. Operations Department 20 Year Bridge/Structure Forecast; and
4. Operations/Drainage 2020-2022 Program Forecast (Map and Detail).

Township of Wainfleet Fire Emergency Services 10 Year Asset Forecast

ID	Description	Location	Year/Age	Condition	Estimated Life Span (Years)	Year to Be Replaced	Recommendation	Estimated Cost	Actual Project Completion
OVERDUE									
SCBA	30 Packs, 90 Cylinders, 60 Masks (2216 psi Scott)	All Apparatus	17+ years	Fair to Poor	15	2017	Replace	\$ 400,000.00	2020
ENGINE 2	2 Door Commercial, 1250gpm Triple Combination Pumper (Superior-International)	Station 2	1999	Poor	20	2019	Replace once new station completed & Retain as Reserve	\$ 550,000.00	Upon Station Completion
							Overdue Sub-total	\$ 950,000.00	
2021-2025									
TANKER 2	Pumper Tanker (2500-3000gal, 1000-1250gpm) (TBD)	Station 2	NEW	N/A	N/A	2022	New Purchase	\$ 475,000.00	Upon Station Completion
ENGINE 3	2 Door Commercial, 750gpm Triple Combination Pumper (Pierce-Kenworth)	Station 3	2003	Fair	20	2023	Replace in 2021 & move to Station 2	\$ 600,000.00	2021
CAR 1	Currently utilizing personally owned vehicle (Chevrolet Tahoe)	Admin.	2015	Good	10	2024	New Purchase	\$ 80,000.00	2024
CAR 2	Crew-cab four wheel drive pickup, rapid response vehicle with command cap. (GMC Sierra, Custom Cap)	Admin.	2014	Good	10	2024	Replace & Retain as Utility	\$ 80,000.00	2024
SQUAD 1	4 door commerical 4wheel drive initial attack (425gpm) pumper (Summit - GMC 5500)	Station 1	2005	Poor	20	2025	Replace with smaller multipurpose rapid response vehicle (RRV)	\$ 250,000.00	2025
REPEATER	Reapeater on tower is no longer supported & has no back up.	Admin.	15+ Years	Fair to Poor	10	2021-2025	Replace	\$ 50,000.00	With Station Project
PPE	Annual Program						Replace	\$ 243,127.00	Annual
EQUIPMENT	Annual Program						Replace	\$ 221,025.00	Annual
							1-5 Year Subtotal	\$ 1,999,152.00	
2026-2030									
TANKER 4	2 door commercial 2500gal. Tanker (Swentz-Freightliner)	Station 4	2006	Fair	20	2026	Replace	\$ 500,000.00	2026
COMMUNICATION EQUIPMENT	User gear (Poratbles, Mobiles, Repeaters, Base radios, Chargers, Batteries, etc.)	All Apparatus	2019	Good	10	2029	Replace	\$ 250,000.00	2029
PPE	Annual Program						Replace	\$ 310,300.00	Annual
EQUIPMENT	Annual Program						Replace	\$ 282,090.00	Annual
							6-10 Year Subtotal	\$ 1,342,390.00	
							GRAND TOTAL	\$ 4,291,542.00	

FLEET - FORECAST

Department	Unit No.	Unit Description	Year	Replacement cycle	Condition	Mileage a/o Jan 2021	Replacement at Today's Prices	Remaining Years to Replacement	Scheduled Year to Replace	Projected Replacement cost in replacement year
Immediate										
Recreation	Tractor 32	John Deere 920	1960	15	Poor		\$ 51,157.00	-46	1975	\$ 57,846.45
Roads	23	GMC Sierra Reg Cab Long 2WD	2001	10	Fair	188,301	\$ 33,000.00	-10	2011	\$ 33,000.00
Roads	15	Vermeer 1250 Chipper	1994	20	Fair	1,639	\$ 55,000.00	-7	2014	\$ 62,191.97
Roads	1	Int tandem axle truck and plow	2006	10	Fair	253,945	\$ 260,230.78	-5	2016	\$ 294,259.36
Roads	14	Rosco RA 200 Spray Patcher	1997	20	Fair	2,345	\$ 129,000.00	-4	2017	\$ 145,868.44
Recreation	18	GMC Sierra Reg Cab Long 2WD	2010	10	Good	93,603	\$ 35,000.00	-1	2020	\$ 38,379.27
							Subtotal - Overdue			\$ 631,545.48
2021-2026										
Building	26	GMC Sierra Ext Cab 2WD	2012	10	Good	86,616	\$ 22,000.00	1	2022	\$ 26,453.32
Roads	T2	Nicholl's Tandem Trailer	2005	17	Fair		\$ 8,500.00	1	2022	\$ 10,220.60
Roads	2	Int Single axle Truck and plow	2012	10	Good	62,405	\$ 235,000.00	1	2022	\$ 274,020.08
Bylaw	25	GMC Sierra Ext Cab 2WD	2012	10	Good	74,525	\$ 22,000.00	1	2022	\$ 25,652.94
Cemetery	21	Case 580 Super M Loader	2007	15	Fair	2,736	\$ 164,500.00	1	2022	\$ 164,500.00
Roads	6	Chev 1500 ext cab 4x4	2013	10	Good	256,561	\$ 34,542.00	2	2023	\$ 41,534.11
Recreation	19	Kubota L4630 Tractor	2004	20	Good	4,978	\$ 51,157.00	3	2024	\$ 63,431.56
Cemetery	98	GMC Sierra 3500 Crew Dual 4x4	2014	10	Excellent	66,494	\$ 42,000.00	3	2024	\$ 52,077.44
Roads	12	John Deere 870GP Grader	2009	15	Good	6,670	\$ 420,000.00	3	2024	\$ 520,774.39
Recreation	Mower 31	Kubota ZD326 Zero Turn	2010	15	Good	1,667	\$ 18,026.26	4	2025	\$ 23,048.83
Roads	3	GMC HD Reg cab Dual 4x4	2015	10	Excellent	82,617	\$ 48,000.00	4	2025	\$ 61,374.01
Recreation	Zamboni	Zamboni 445	2008	10	Fair	3,766	\$ 98,366.50	5	2026	\$ 129,698.02
Cemetery	16	Kubota B2620HST Tractor	2014	12	Good	2,334	\$ 27,500.00	5	2026	\$ 36,259.25
Drainage	29	GMC Sierra 2500HD Crew 4x4	2016	10	Excellent	43,342	\$ 35,007.26	5	2026	\$ 46,157.71
Roads	8	Dodge Ram 1500 Crew 4x4	2016	10	Excellent	106,158	\$ 34,542.00	5	2026	\$ 45,544.26
Roads	28	Int tandem axle truck and plow	2016	10	Excellent	109,012	\$ 260,230.78	5	2026	\$ 343,119.03
							Subtotal - 1-5 Years			\$ 1,863,865.54
2027-2031										
Roads	9	Kubota M135GX Tractor	2012	15	Good	4,701	\$ 210,000.00	6	2027	\$ 285,527.76
Roads	7	Int tandem axle truck and plow	2018	10	Excellent	44,732	\$ 260,230.78	7	2028	\$ 364,863.66
Roads	10	Int tandem axle truck and plow	2019	10	Excellent	26,894	\$ 260,230.78	8	2029	\$ 376,247.41
Cemetery	T1	Custom Trailer	2014	15	Excellent		\$ 8,500.00	8	2029	\$ 12,289.49
Drainage	22	John Deere 300GLC Excavator	2020	10	Excellent	742	\$ 450,000.00	9	2030	\$ 670,919.28
Roads	4	Case 580 Super N Loader	2016	15	Good	2,265	\$ 119,700.00	10	2031	\$ 184,032.62
Roads	13	Kubota SSV75 Skid Steer	2016	15	Excellent	470	\$ 50,787.00	10	2031	\$ 78,082.41
Roads	11	GMC Sierra 2500HD Crew 4x4	2021	10	Excellent	3,345	\$ 43,800.00	10	2031	\$ 67,340.26
Roads	T3	Miska Tilt Trailer	2016	15	Excellent		\$ 8,500.00	10	2031	\$ 13,068.31
							Subtotal - 6-10 Years			\$ 2,052,371.20
2032-2036										
Cemetery	T5	MISKA	2019	15	Excellent		\$ 9,200.00	13	2034	\$ 15,510.19
Cemetery	Mower 30	Kubota ZD 1011-48	2019	15	Excellent	118	\$ 16,200.00	13	2034	\$ 27,311.43
							Subtotal- 11-16 Years			\$ 42,821.62
							Subtotal -Overdue			\$ 631,545.48
							Subtotal - 1-5 Years			\$ 1,863,865.54
							Subtotal - 6-10 Years			\$ 2,052,371.20
							Subtotal - 11-16 Years			\$ 42,821.62
							GRAND TOTAL			\$ 4,590,603.84

Bridge Repair Requirement
10 year Forecast

STRUCTURE INFORMATION - BRIDGE REPORT (ESTIMATES DONE IN 2020)

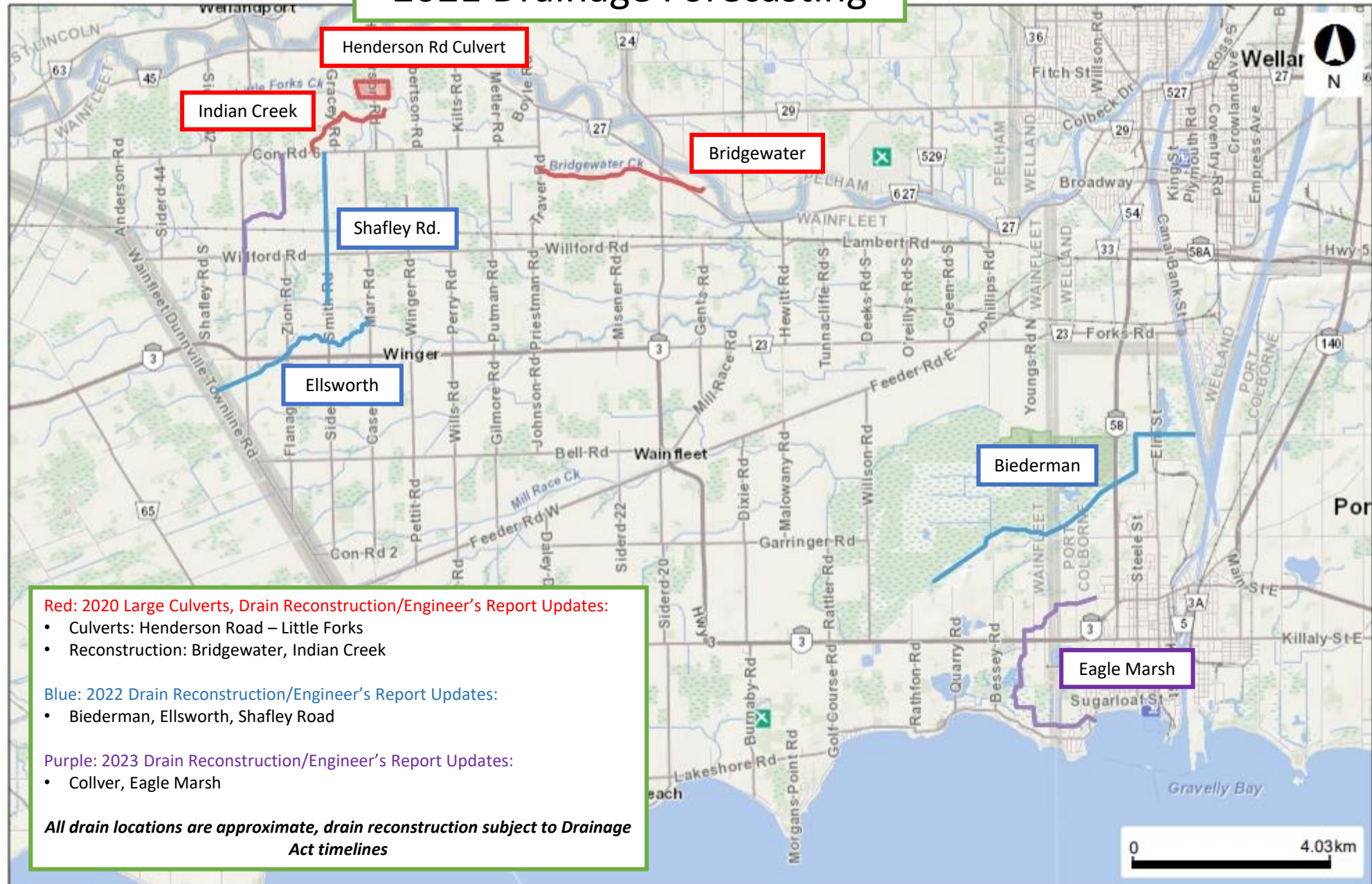
ID Number	Structure Name	Location	Structure Type	Number of Spans	Length	Year Constructed	Condition	Recommended Work	Required Work	Priority Rating	Estimated Cost as of 2020 inspection	AADT
OVERDUE												
#0003	Gents Road	500N of Forks	Slab on Steel Girder	1	9.1	1949	Poor	Replace	Total Replacement	Now	\$ 980,000.00	43
#0007	Misener Road	500m N of Hwy #3	Slab on Wood-Fiberglass Deck	1	8.53	1950-2010	Good	Minor Rehab	Remove Asphalt, Waterproof Fiber-glass Deck, Pave	Now	\$ 178,000.00	42
#0011	Dixie Road Bridge	550m N of Garringer	Rigid Frame	1	3.7	Unknown	Good	SBGR	Replace Railing with Steel Beam Guiderail	Now	\$ 86,000.00	62
#0012	Malowany Bridge	800m North of Garringer	Rigid Frame	1	4.4	Unknown	Good	Minor Rehab	Install erosion Control, Install Guide Rail	Now	\$ 103,500.00	98
#0016 **	Pearson Lincoln & Welland Bridge	Boyle Rd 500m N of River Road	Slab on Steel Girder	2	26.9, 26.9	1965	Fair	Major Rehad	Slope Protection, Grout support under N	Now	\$ 436,600.00	184
									abutment, Partial deck repacement, Replace Barrier with Guide Rail			
#0017 **	Dawson Lincoln & Welland Bridge	Caistor Gainsboro Townline 1km N of Canborough	Slab on Steel Girder	2	26.2, 26.2	1965	Fair	Major Rehab	Total Replacement	Now	\$ 877,500.00	
#0018	Shields Road Bridge	600m N of Forks Road	Timber Deck on Steel Girder	1	8	Unknown	Poor	Bridge Closure	Bridge Closure	Now	\$ 5,000.00	
#0019	Church Street Bridge	10m W of Millrace	Rigid Frame	1	5.4	c1950	Fair	SBGR	Review Railing Replacement	Now	\$ 230,000.00	42
Subtotal - overdue											\$ 2,896,600.00	
2021-2026												
#0001	Mill Race	100m S og Biuliung Ri	Rigid Frame	1	8.53	1951	Fair	Major Rehab	Patch,Waterproofing, paving, Replace Curb and Barrier Wall with Poarapet Walls and Concrete Patch Repair to Structure	1-5 years	\$ 480,000.00	189
#0004	Malowany Road	400m S of Feeder Rd	Rigid Frame	1	7.32	1951	Fair	Minor Rehab	Patch, Waterproof, Pave, and replacement of Parapet Walls	1-5 years	\$ 451,000.00	98
#0005	Dixie Road Bridge	200m S of Feeder Rd	Rigid Frame	1	7.92	1951	Fair	Replace	Total Replacement	1-5 years	\$ 977,500.00	62
#0002	Builiung Quarrie Road	Intersection of Millrace	Fibre-Glass on Steel Beam	1	7.01	1948 - 2009	Good	Minor Rehab	Cleaning and Coating of Steel Work, Waterproof and Pave	1-5 years	\$ 174,500.00	47
#2001		1100m S of Hwy #3	Rigid Frame	1	5.5	2008	Good	None		1-5 years	\$ 46,000.00	234
#0013	Zion Road Bridge	100m N of Hwy #3	Rigid Frame	1	3.8	Unknown	Poor	Replace	Total Replacement	1-5 years	\$ 517,500.00	42
Subtotal - 1-5 years											\$ 2,646,500.00	
2027-2031												
#0010	Perry Road	200m N of Hwy #3	Slab on Steel Girder	1	7.32	1935	Fair	Replace	Total Replacement	6-10 years	\$ 862,000.00	134
Subtotal - 6-10 years											\$ 862,000.00	
2032-2042												
#0014	Zion Road CSP	1 km N of Hwy #3	Corrugated Steel Pipe	1	3.3	Unknown	Good	None		Adequate	\$ -	42
#0015	Zion Road Bridge	1100m N of Hwy #3	Rigid Frame	1	4.4	Unknown	Good	None		Adequate	\$ -	42
GRAND TOTAL											\$ 6,405,100.00	

Proposed for 2021

Dixie, Pearson and the Guiderails on Malawany are bing proposed in 202

** identify shared bridges, the cost is the Townships portion only, not the total project cost

2021 Drainage Forecasting



Municipal Drain Engineer's Report Forecasting

2021 Capital Drain Construction			
Drain	Road	Size	Estimated Cost
Bridgewater Drain (carried forward from 2020 capital)	Farr Road	2000mm	\$92,694
	Elsie Road	1800mm	
	Traver	1600mm	
Indian Creek Drain	Concession 6	900mm	\$99,174
	Henderson Road	1500mm	
	Gracey Road	1800mm	
Little Forks Drain	Henderson Road	3300x2080mm	\$35,000

Active Engineer's Report Updates			
Drain	Road	Existing Pipe Size	Estimated Construction
Biederman	Biederman Road	1500mm	2022
	Erie Peat Road	1500mm	
	Townline Road (50%)	900mmx1200mm Twin	
Collver	Side Road 37-38	300mm	2023
	Willford Road	Unknown - requires engineering	
Eagle Marsh	Townline Road (50%)	Unknown - requires engineering	2023
	Youngs Road South	1650mmx1030mm	
	Side road 1-2	Unopened Road - requires engineering	
Ellsworth	Townline (50%)	Unknown - requires engineering	2022
	Hendershot Road	Does not require replacement	
	Zion Road	Box Culvert	
	Marr Road	Box Culvert	
Shafley Road	Smith Road	1050mm	2022
	Smith Road	1050mm	
	Smith Road	1550mm	
	Willford Road	1550mm	

Reports that Predate 1980

Aldrey	1961
Andrew Shauntz	1971
Casey	1949
Casey North	1980
George Traver	1957
Hilden Disher	1951
John Marr	1961
Little Forks	1971
North Forks	1955
Perry Road	1972
South Forks	1961
Swayze	1961
Wolf Creek	1970

