

Community Name:

The Corporation of the United Townships of Head, Cla

Inflation Rate: %

Year of Construction:

Inspection Date:

Plan Initially Prepared:

25 Year Planning Period: to

Last Update to Report:

USER INSTRUCTION NOTES

1. Maintenance and replacement costs presented herein were developed using the following sources:
magnitude within 20 percent accuracy. For asset management financial forecasting, maintenance and replacement costs include a 20 percent allowance to cover unforeseen items which will only be evident at the time of actual maintenance or replacement.
3. All costs for 2011 to future years are adjusted for inflation based on the inflation rate established for the project.
4. All costs should be revisited and confirmed with more detailed contractor pricing one year prior to the intended budget year.
5. Maintenance Items are activities that have a known frequency of occurrence. Replacement Items, are a one-time repair or complete replacement of components, based on life expectancy or pre-established scheduled occurrence.



Culverts

Culvert Pricing From "Worksheets Final Asset File 2013" spreadsheet from Head/Clara/Maria:

The following costs are for round, oversize culverts constructed from corrugated steel. The prices of the culverts are based on supply cost from Huckabone's Garage in Cobden, he is our main culvert supplier.

The installation price is calculated by adding the cost of excavation, truck rental, floating, gravel, hoe and truck rental for the gravel pit and floating to pit. The cost is determined by area for floating time and excavation is determined by the diameter of the culvert.

Historical costs could not be efficiently determined due to the complex billing from different suppliers of services.

Diameter (in)	Supply Cost (\$/ft)	Installation Cost (\$/ft) Mackey	Installation Cost (\$/ft) Stoneville	Installation Cost (\$/ft) Bassel Creek	Installation Cost (\$/ft) Duxx Rivieres	Total Cost (\$/ft) Mackey	Total Cost (\$/ft) Stoneville	Total Cost (\$/ft) Bassel Creek	Total Cost (\$/ft) Duxx Rivieres
12	\$11.27	\$42.63	\$47.13	\$51.63	\$56.13	\$63.90	\$68.40	\$72.90	\$77.40
16	\$14.98	\$46.76	\$51.26	\$55.76	\$60.26	\$67.24	\$71.74	\$76.24	\$80.74
18	\$16.84	\$50.88	\$55.38	\$59.88	\$64.38	\$71.22	\$75.72	\$80.22	\$84.72
20	\$0.00	\$55.01	\$59.21	\$64.01	\$68.51	\$75.01	\$79.51	\$84.01	\$88.51
24	\$26.50	\$59.13	\$63.63	\$68.13	\$72.63	\$86.63	\$91.13	\$95.63	\$100.13
32	\$35.48	\$63.26	\$67.76	\$72.26	\$76.76	\$88.24	\$92.74	\$97.24	\$101.74
36	\$38.74	\$67.38	\$71.88	\$76.38	\$80.88	\$90.12	\$94.62	\$99.12	\$103.62
48	\$55.93	\$75.84	\$80.40	\$84.90	\$89.40	\$131.57	\$144.33	\$157.09	\$169.85

Roads

Road Resurfacing Work Unit Prices
Gravel \$ / sq. m.

Road Bed Reconstruction Unit Prices
Road Bed \$ / sq. m.

Table 1 - Component Inventory and Condition Report - Maintenance and Replacement Data

Draft Facilities Management Plan - Buildings														
ID	Building Name	Location	Year of Construction or Last Replacement	Department	Type	Normal Life Expectancy (NLE)	2014 Age	Theoretical Remaining Life (TRL)	Next Replacement Year	Adjusted Replacement Year	Calculated Planning Year of Replacement	Remaining Life (RL)	2014 Replacement Allowance	Current Condition Index
B001510300	Municipal Office, Hall and Library	HEAD CON B PT LOT 26	1968	Recreation	Building	100	46	54	2068		2068	54	\$ 207,878	0.54
	Municipal Building - New Roof		2002	General Government	Building	50	12	38	2052		2052	38	\$ 76,093	0.76
	Hall - Renovations		2011	Recreation	Building	50	3	47	2061		2061	47	\$ 399,568	0.94
B001510300	Hall - New Furnace		2013	Recreation	Building	25	1	24	2038		2038	24	\$ 25,470	0.96
	Hall - New Doors		2007	Recreation	Building	25	7	18	2032		2032	18	\$ 5,327	0.72
	Office - Renovations		2012	General Government	Building	50	2	48	2062		2062	48	\$ 48,466	0.96
BM000101-1	Veteran's Monument		2006	Improvement		60	8	52	2066		2066	52	\$ 6,134	0.87
BM000101-2, 3	Veteran's Monument - Additions		2008	Improvement		50	6	44	2058		2058	44	\$ 4,975	0.88
B011510300	Municipal Garage	HEAD CON B PT LOT 26	1973	Roads	Building	100	41	59	2073		2073	59	\$ 110,621	0.59
	Garage Lined with Galvanized Metal		2012	Roads	Building	25	2	23	2037		2037	23	\$ 7,859	0.92
	Municipal Garage - New Roof		2009	Roads	Building	50	5	45	2059		2059	45	\$ 58,543	0.90
	Municipal Garage - Upgrades		2010	Roads	Building	50	4	46	2060		2060	46	\$ 64,673	0.92
	Parking Lot Paved		2004	General Government	Land Improvements	50	10	40	2054		2054	40	\$ 6,048	0.80
B001510303	Security System	HEAD CON B PT LOT 26	2004	General Government	Building	10	10	0	2014	2020	2020	6	\$ 2,551	0.00
													AVERAGE BCI	0.80

Last Update to Report

Table 2 - Replacement Profile

Draft Facilities Management Plan - Buildings																											
REPLACEMENT PROFILE																											
Building Name	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	
B001510300	Municipal Office, Hall and Library	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Municipal Building - New Roof	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Hall - Renovations	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B001510300	Hall - New Furnace	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	\$51,774	---
	Hall - New Doors	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	\$9,068	---	---	---	---	---	---	---
	Office - Renovations	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
BM000101-1	Veteran's Monument	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
BM000101-2, 3	Veteran's Monument - Additions	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B011510300	Municipal Garage	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Garage Lined with Galvanized Metal	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	\$15,511	---
	Municipal Garage - New Roof	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Municipal Garage - Upgrades	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Parking Lot Paved	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B001510303	Security System	---	---	---	---	---	\$3,046	---	---	---	---	---	---	---	---	---	---	\$4,093	---	---	---	---	---	---	---	---	---
TOTAL REPLACEMENT COSTS		\$0	\$0	\$0	\$0	\$0	\$3,046	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,093	\$0	\$9,068	\$0	\$0	\$0	\$0	\$0	\$15,511	\$51,774	\$0

**The Corporation of the United Townships of Head, Clara & Maria
Buildings
Draft Asset Management Plan**

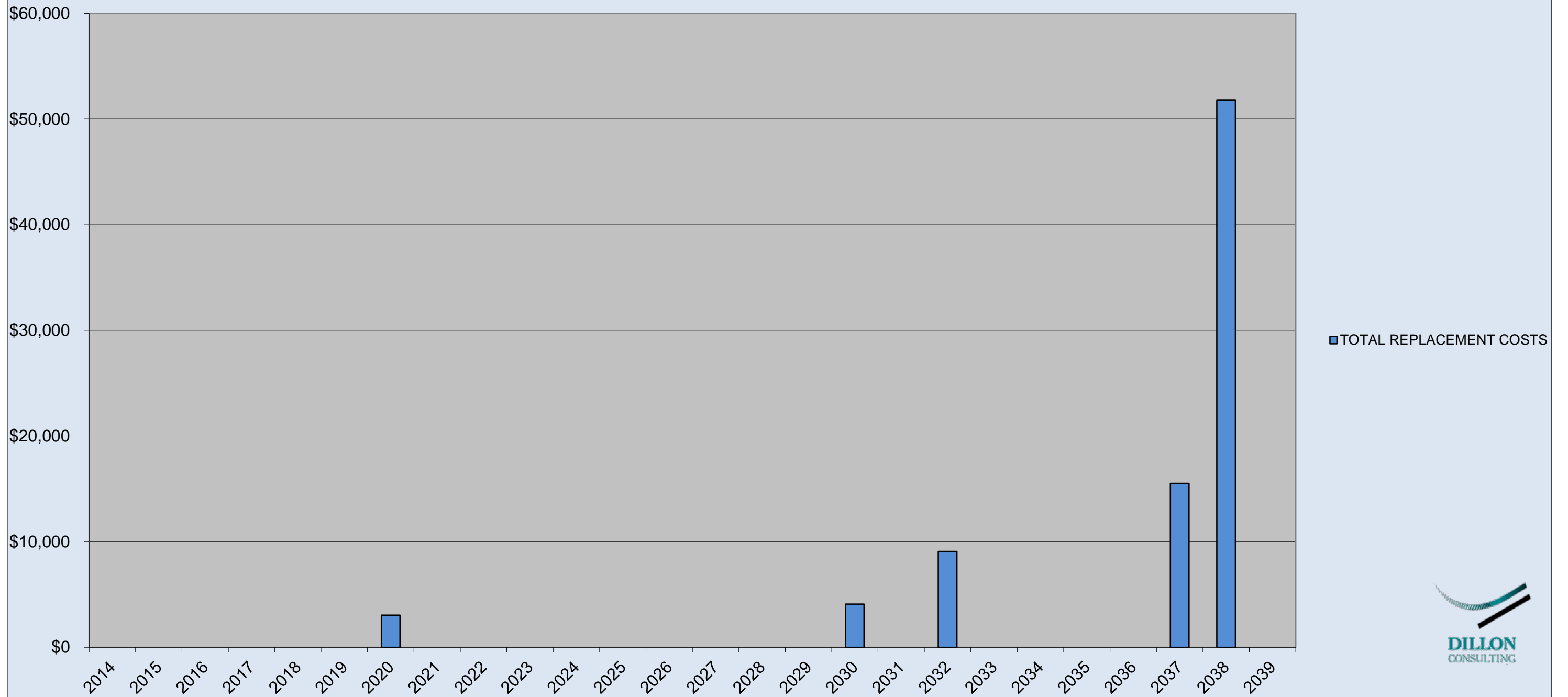


Table 1 - Component Inventory and Condition Report - Maintenance and Replacement Data

Draft Facilities Management Plan - Parks and Boat Ramps

ID	Description	Year of Construction or Last Assessment		Department	Original Cost	Normal Life Expectancy (NLE)	Default Life Expectancy	2014 Age	Theoretical Remaining Life (TRL)	Next Replacement Year	Adjusted Replacement Year	Calculated Planning Year of Replacement	Remaining Life (RL)	2014 Replacement Allowance	
P01003610	Mackey Boat Launch	2014	Land Improvement	Recreation	24550.00	50	50	0	50	2064		2064	50	\$ 24,550	0.00
P01514550	Stonecliffe Boat Launch	2014	Land Improvement	Recreation	66000.00	50	50	0	50	2064		2064	50	\$ 66,000	0.00
P02505000	Lacroix Park / Deux Rivieres Boat Launch	2014	Land Improvement	Recreation	16400.00	50	50	0	50	2064		2064	50	\$ 16,400	0.00
P01008815	Old Mackey Park	2014	Land Improvement	Recreation	86000.00	50	50	0	50	2064		2064	50	\$ 86,000	0.00
	Playground equipment	2010	Recreation	Land Improvements	20924.91	50	50	4	46	2060		2060	46	\$ 23,551	0.08
	Pavilion	2010	Recreation	Land Improvements	17095.68	50	50	4	46	2060		2060	46	\$ 19,241	0.08

AVERAGE BCI

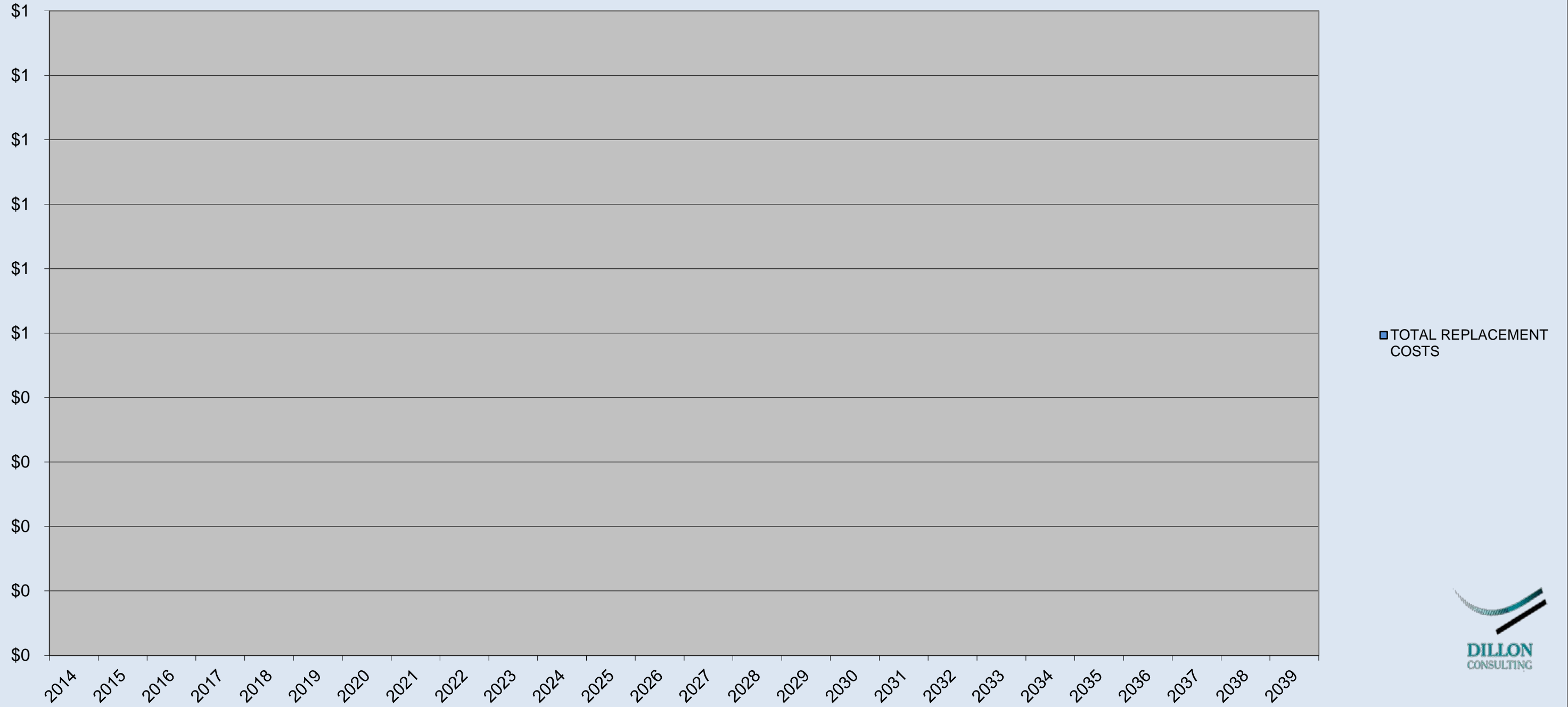
Current Condition Index
1.00
1.00
1.00
1.00
0.92
0.92
0.99

Last Update to Report

Table 2 - Replacement Profile

Draft Facilities Management Plan - Parks and Boat Ramps																											
REPLACEMENT PROFILE																											
Description	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	
P01003610 Mackey Boat Launch	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
P01514550 Stonecliffe Boat Launch	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
P02505000 Lacroix Park / Deux Rivieres Boat Launch	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Old Mackey Park	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Playground equipment	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Pavilion	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL REPLACEMENT COSTS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

**The Corporation of the United Townships of Head, Clara & Maria
Parks and Boat Ramps
Draft Asset Management Plan**



Last Update to Report

15-Dec-14

Table 1 - Component Inventory and Condition Report - Maintenance and Replacement Data

Draft Facilities Management Plan - Environmental Assets												
ID	Description	Department	Year of Construction or Last Replacement	Normal Life Expectancy (NLE)	2014 Age	Theoretical Remaining Life (TRL)	Next Replacement Year	Adjusted Replacement Year	Calculated Planning Year of Replacement	Remaining Life (RL)	2014 Replacement Allowance	Current Condition Index
E000200	Bear Fences Stonecliffe	Land Improvement	2007	20	7	13	2027		2027	13	\$ 10,517	0.65
E000201	Bear Fences Bissett Creek	Land Improvement	2007	20	7	13	2027		2027	13	\$ 9,767	0.65
	Additions to Bissett Creek Bear Fences	Land Improvement	2011	20	3	17	2031		2031	17	\$ 15,434	0.85
	Recycling Container beside Twp Garage	Equipment	2012	25	2	23	2037		2037	23	\$ 3,239	0.92
	Recycling Container at Bisset Creek	Equipment	2011	25	3	22	2036		2036	22	\$ 4,393	0.88
E000202	Recycling Container at Stonecliffe	Equipment	2009	25	5	20	2034		2034	20	\$ 5,321	0.80
AVERAGE BCI											0.77	

Last Update to Report

Table 2 - Replacement Profile

Draft Facilities Management Plan - Environmental Assets																										
REPLACEMENT PROFILE																										
Asset Description	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039
E000200 Bear Fences Stonecliffe	---	---	---	---	---	---	---	---	---	---	---	---	---	\$15,444	---	---	---	---	---	---	---	---	---	---	---	---
E000201 Bear Fences Bissett Creek	---	---	---	---	---	---	---	---	---	---	---	---	---	\$14,343	---	---	---	---	---	---	---	---	---	---	---	---
Additions to Bissett Creek Bear Fences	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	\$25,510	---	---	---	---	---	---	---	---
Recycling Container beside Twp Garage	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	\$6,392	---	---
Recycling Container at Bissett Creek	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	\$8,417	---	---	---
E000202 Recycling Container at Stonecliffe	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	\$9,610	---	---	---	---
TOTAL REPLACEMENT COSTS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$29,787	\$0	\$0	\$0	\$25,510	\$0	\$0	\$9,610	\$0	\$8,417	\$6,392	\$0	\$0

**The Corporation of the United Townships of Head, Clara & Maria
Environmental Assets
Draft Asset Management Plan**

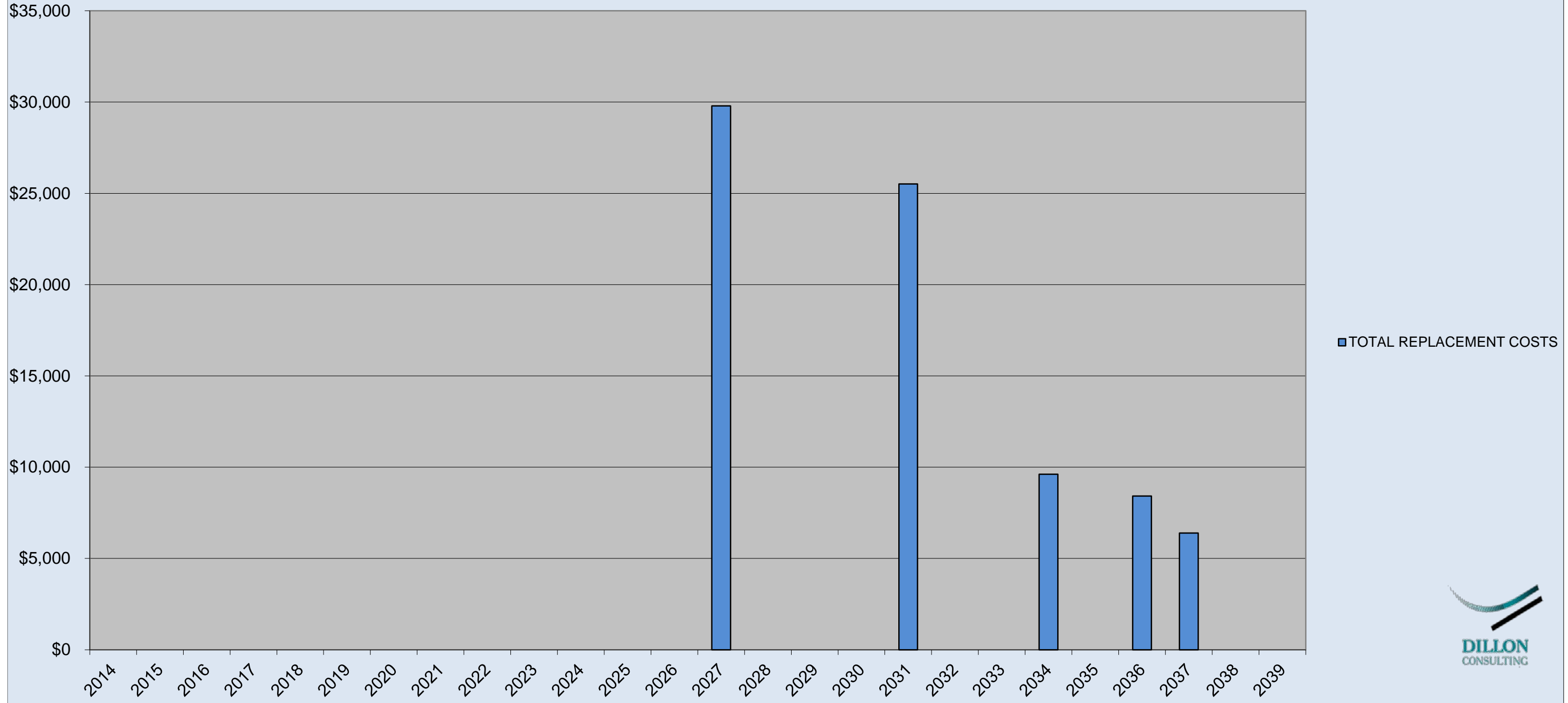


Table 1 - Component Inventory and Condition Report - Maintenance and Replacement Data

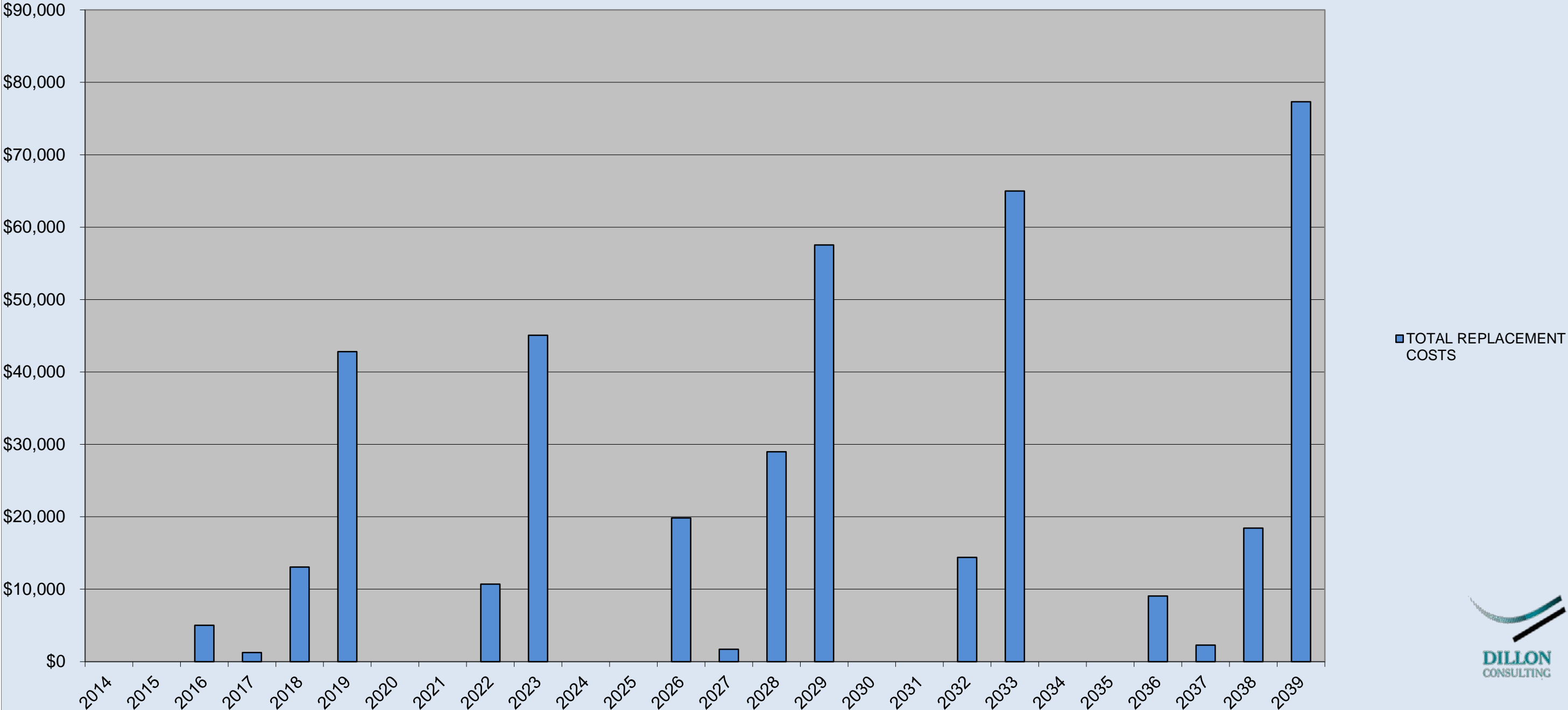
Draft Facilities Management Plan - Machinery and Equipment													
ID	Equipment / Machinery Type	Category	Notes	Year of Construction or Last Replacement	Normal Life Expectancy (NLE)	2014 Age	Theoretical Remaining Life (TRL)	Next Replacement Year	Adjusted Replacement Year	Calculated Planning Year of Replacement	Remaining Life (RL)	2014 Replacement Allowance	Current Condition Index
Kitchen Equipment													
M000101	Cooler / H40	Kitchen Equipment (M000100)		2003	15	11	4	2018		2018	4	\$ 2,527	0.27
M000102	Microwave / GE JE1160WNC01	Kitchen Equipment (M000100)		2008	10	6	4	2018		2018	4	\$ 386	0.40
	2013 Additions	Kitchen Equipment (M000100)	Includes: 2 kenmore 30" propane stoves, 401 high temp dishwasher, kenmore refrigerator & a range hood	2013	15	1	14	2028		2028	14	\$ 10,085	0.93
Hall Equipment													
M000204	Chairs	Hall Equipment (M000200)		2006	10	8	2	2016		2016	2	\$ 4,724	0.20
	2013 Additions - Chairs/tables	Hall Equipment (M000200)		2013	10	1	9	2023		2023	9	\$ 5,696	0.90
M000207	BBQ	Hall Equipment (M000200)		2000	10	14	Exceeded	2014	2019	2019	5	\$ 408	0.00
Machinery													
M000301	Generator	Machinery (M000300)		2006	20	8	12	2026		2026	12	\$ 9,190	0.60
M000302	Limb Saw	Machinery (M000300)		2007	10	7	3	2017		2017	3	\$ 955	0.30
M000303	Air Compressor	Machinery (M000300)		2007	10	7	3	2017		2017	3	\$ 199	0.30
M000304	Snowthrower	Machinery (M000300)		2008	10	6	4	2018		2018	4	\$ 1,802	0.40
M000305	DR Field and Brush Mower	Machinery (M000300)		2008	10	6	4	2018		2018	4	\$ 4,288	0.40
M000306	Shindaiwa Chain Saw	Machinery (M000300)		2008	10	6	4	2018		2018	4	\$ 1,132	0.40
M000307	Brush Cutter	Machinery (M000300)		2008	10	6	4	2018		2018	4	\$ 1,228	0.40
M000308	7' Steel Ramp	Machinery (M000300)		2008	10	6	4	2018		2018	4	\$ 232	0.40
M000309	Cordless Drill 4pc 18V	Machinery (M000300)		2009	10	5	5	2019		2019	5	\$ 501	0.50
M000310	Shindaiwa	Machinery (M000300)		2009	10	5	5	2019		2019	5	\$ 651	0.50
M000311	Shop Vac 36L	Machinery (M000300)		2009	10	5	5	2019		2019	5	\$ 156	0.50
	Bearcat brush chipper mode BCCH5653		from Info on Assets	2012	10	2	8	2022		2022	8	\$ 8,453	0.80
	Snowblower	Machinery (M000300)		2013	10	1	9	2023		2023	9	\$ 1,269	0.90
	2010 Dodge truck - Roads	Vehicles	from Info on Assets	2009	10	5	5	2019		2019	5	\$ 35,217	0.50
	2013 Ford Truck - Disposal Site Truck	Vehicles		2013	10	1	9	2023		2023	9	\$ 27,567	0.90
AVERAGE BCI												0.66	

Last Update to Report

Table 2 - Replacement Profile

Draft Facilities Management Plan - Machinery and Equipment																											
REPLACEMENT PROFILE																											
Equipment / Machinery Type	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	
Kitchen Equipment																											
M000101	Cooler / H40	---	---	---	---	\$2,844	---	---	---	---	---	---	---	---	---	---	---	---	---	\$4,431	---	---	---	---	---	---	
M000102	Microwave / GE JE1160WNC01	---	---	---	---	\$434	---	---	---	---	---	---	---	---	---	\$583	---	---	---	---	---	---	---	---	---	\$784	
	2013 Additions	---	---	---	---	---	---	---	---	---	---	---	---	---	---	\$15,254	---	---	---	---	---	---	---	---	---	---	
Hall Equipment																											
M000204	Chairs	---	---	\$5,012	---	---	---	---	---	---	---	---	---	---	---	\$6,735	---	---	---	---	---	---	---	---	---	---	
	2013 Additions - Chairs/tables	---	---	---	---	---	---	---	---	\$7,432	---	---	---	---	---	---	---	---	---	---	\$9,988	---	---	---	---	---	
M000207	BBQ	---	---	---	---	---	---	---	\$473	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	\$855	
Machinery																											
M000301	Generator	---	---	---	---	---	---	---	---	---	---	---	---	---	---	\$13,103	---	---	---	---	---	---	---	---	---	---	
M000302	Limb Saw	---	---	---	\$1,043	---	---	---	---	---	---	---	---	---	---	\$1,402	---	---	---	---	---	---	---	---	---	\$1,884	
M000303	Air Compressor	---	---	---	\$218	---	---	---	---	---	---	---	---	---	---	\$293	---	---	---	---	---	---	---	---	---	\$393	
M000304	Snowthrower	---	---	---	---	\$2,028	---	---	---	---	---	---	---	---	---	\$2,725	---	---	---	---	---	---	---	---	---	\$3,662	
M000305	DR Field and Brush Mower	---	---	---	---	\$4,826	---	---	---	---	---	---	---	---	---	\$6,486	---	---	---	---	---	---	---	---	---	\$8,716	
M000306	Shindaiwa Chain Saw	---	---	---	---	\$1,274	---	---	---	---	---	---	---	---	---	\$1,712	---	---	---	---	---	---	---	---	---	\$2,301	
M000307	Brush Cutter	---	---	---	---	\$1,382	---	---	---	---	---	---	---	---	---	\$1,858	---	---	---	---	---	---	---	---	---	\$2,496	
M000308	7' Steel Ramp	---	---	---	---	\$261	---	---	---	---	---	---	---	---	---	\$351	---	---	---	---	---	---	---	---	---	\$472	
M000309	Cordless Drill 4pc 18V	---	---	---	---	---	\$581	---	---	---	---	---	---	---	---	---	\$780	---	---	---	---	---	---	---	---	\$1,049	
M000310	Shindaiwa	---	---	---	---	---	\$755	---	---	---	---	---	---	---	---	---	\$1,014	---	---	---	---	---	---	---	---	\$1,363	
M000311	Shop Vac 36L	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	\$244	---	---	---	---	---	---	---	---	\$328	
	Bearcat brush chipper mode BCCH5653	---	---	---	---	---	---	---	---	\$10,708	---	---	---	---	---	---	---	---	---	---	\$14,391	---	---	---	---	---	
	Snowblower	---	---	---	---	---	---	---	---	---	\$1,656	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	2010 Dodge truck - Roads	---	---	---	---	---	\$40,826	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	\$73,736	
	2013 Ford Truck - Disposal Site Truck	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
TOTAL REPLACEMENT COSTS		\$0	\$0	\$5,012	\$1,261	\$13,049	\$42,816	\$0	\$0	\$10,708	\$45,057	\$0	\$0	\$19,839	\$1,695	\$28,969	\$57,541	\$0	\$0	\$14,391	\$64,984	\$0	\$0	\$9,052	\$2,277	\$18,431	\$77,330

**The Corporation of the United Townships of Head, Clara & Maria
Machinery and Equipment
Draft Asset Management Plan**



■ TOTAL REPLACEMENT COSTS



Table 1 - Component Inventory and Condition Report - Maintenance and Replacement Data

Draft Facilities Management Plan - Culverts																
ID	Structure Location	Culvert Location	GPS Location	Year of Construction or Last Replacement	Present Condition	Length (ft)	Diameter (in)	Water Flow	Normal Life Expectancy (NLE)	2014 Age	Theoretical Remaining Life (TRL)	Next Replacement Year	Adjusted Replacement Year	Calculated Planning Year of Replacement	Remaining Life (RL)	2014 Replacement Allowance
TWPR0001C	Adelard Rd															
TWPR0001C-1	Adelard Rd	0.2	UTM5122014 17T072995	2009	Excellent	30.0	24.0	All year	25	5	20	2034	2039	2039	25	\$ 2,838.90
TWPR0001C-2	Adelard Rd	0.6	UTM5122327 17T0730220	1996	Excellent	20.0	16.0	All year	25	18	7	2021	2036	2036	22	\$ 1,414.80
TWPR0001C-3	Adelard Rd	0.64	UTM5122348 17T0730243	2010	Excellent	20.0	16.0	All year	25	4	21	2035	2040	2040	26	\$ 1,414.80
TWPR0001C-4	Adelard Rd	0.9	UTM5122378 17T0730542	2010	Excellent	20.0	16.0	All year	25	4	21	2035	2040	2040	26	\$ 1,414.80
TWPR0001C-5	Adelard Rd	0.9	UTM5122338 17T0730544	2010	Excellent	20.0	16.0	All year	25	4	21	2035	2040	2040	26	\$ 1,414.80
TWPR0001C-6	Adelard Rd	1	UTM5122317 17T0730592	2010	Excellent	20.0	16.0	All year	25	4	21	2035	2040	2040	26	\$ 1,414.80
TWPR0001C-7	Adelard Rd	1.1	UTM5122287 17T0730659	2010	Excellent	20.0	16.0	All year	25	4	21	2035	2040	2040	26	\$ 1,414.80
TWPR0001C-8	Adelard Rd	1.4	UTM5122181 17T0730999	2006	Excellent	20.0	16.0	All year	25	8	17	2031	2036	2036	22	\$ 1,414.80
TWPR0001C-9	Adelard Rd	1.45	UTM5122192 17T0731042	2006	Excellent	20.0	16.0	All year	25	8	17	2031	2036	2036	22	\$ 1,414.80
TWPR0001C-10	Adelard Rd	1.99	UTM5122327 18T0268750	2010	Excellent	20.0	16.0	Spring	25	4	21	2035	2040	2040	26	\$ 1,414.80
TWPR0001C-11	Adelard Rd	2	UTM5122355 18T0268810	2010	Excellent	20.0	16.0	All year	25	4	21	2035	2040	2040	26	\$ 1,414.80
TWPR0001C-11	Adelard Rd	2.6	UTM5122683 18T0269259	2006	Excellent	20.0	16.0	All year	25	8	17	2031	2036	2036	22	\$ 1,414.80
TWPR0001C-11	Adelard Rd	3.2	UTM5123141 18T0269604	2011	Excellent	40.0	36.0	All year	25	3	22	2036	2036	2036	22	\$ 3,900.00
TWPR0002C	Ashport Rd															
TWPR0002C-1	Ashport Rd	0.10	UTM5116863 18T0284095	1990	Good	40.0	12.0		25	24	1	2015	2028	2028	14	\$ 2,156.00
TWPR0002C-2	Ashport Rd	0.30	UTM5116765 18T0284317	1996	Excellent	20.0	16.0		25	18	7	2021	2035	2035	21	\$ 1,234.80
TWPR0002C-3	Ashport Rd	0.70	UTM5116573 18T0284648	2004	Excellent	40.0	12.0	Spring	25	10	15	2029	2034	2034	20	\$ 2,156.00
TWPR0002C-4	Ashport Rd	0.80	UTM5116509 18T0284772	1996	Excellent	20.0	16.0		25	18	7	2021	2035	2035	21	\$ 1,234.80
TWPR0002C-5	Ashport Rd	0.80	UTM5116447 18T0284880	2010	Excellent	20.0	15.0	Spring	25	4	21	2035	2035	2035	21	\$ 1,234.80
TWPR0002C-6	Ashport Rd	0.89	UTM5116447 18T0284880	1989	Good	33.0	16.0	Spring	25	25	0	2014	2025	2025	11	\$ 2,037.42
TWPR0002C-7	Ashport Rd	0.90	UTM5116384 18T0284984	2004	Excellent	40.0	18.0	Spring	25	10	15	2029	2034	2034	20	\$ 2,708.80
TWPR0002C-8	Ashport Rd	1.30	UTM5116137 18T0285407	2012	Excellent	60.0	24.0	Spring	25	2	23	2037	2037	2037	23	\$ 5,137.80
TWPR0002C-9	Ashport Rd	1.60	UTM5115873 18T0285562	2009	Excellent	90.0	36.0	All year	25	5	20	2034	2039	2039	25	\$ 9,370.80
TWPR0002C-10	Ashport Rd			2011	Excellent	20.0	12.0	Spring	25	3	22	2036	2036	2036	22	\$ 819.30
TWPR0003C	Boat Launch Rd															
TWPR0003C-1	Boat Launch Rd	0.03	UTM5122049 18T0276963	1998	Excellent	20.0	15.0	All year	25	16	9	2023	2038	2038	24	\$ 1,324.80
TWPR0003C-2	Boat Launch Rd	.03 turnaround	UTM5122073 18T0276957	1991	Good	20.0	16.0	Spring	25	23	2	2016	2026	2026	12	\$ 1,324.80
TWPR0004C	Boudreau Rd															
TWPR0004C	No culverts noted.															
TWPR0005C	Buckshot Rd															
TWPR0005C-1	Buckshot Rd	0.3	UTM5122086 18T0276308	2008	Excellent	20.0	12.0	Spring	25	6	19	2033	2038	2038	24	\$ 1,168.00
TWPR0005C-2	Buckshot Rd	0.56	UTM5122263 18T0276171	2008	Excellent	20.0	12.0	Spring	25	6	19	2033	2038	2038	24	\$ 1,168.00
TWPR0006C	Cotnam Rd															
TWPR0006C-1	Cotnam Rd	0.01	UTM5124959 17T0707836	2010	Excellent	30.0	12.0	Spring	25	4	21	2035	2035	2035	21	\$ 2,022.00
TWPR0006C-2	Cotnam Rd	0.8	UTM5124963 17T0707778	2006	Excellent	30.0	16.0	Spring	25	8	17	2031	2031	2031	17	\$ 2,257.20
TWPR0007C	Crossing Rd															
TWPR0007C-1	Crossing / Mclsaac	0	UTM5123178 17T0726723	2010	Excellent	75.0	30.0	All year	25	4	21	2035	2040	2040	26	\$ 7,120.00
TWPR0008C	Desjardin Rd															
TWPR0008C	No culverts noted.															
TWPR0009C	Donnelly Rd															
TWPR0009C-1	Donnelly Rd	0.05	UTM5116940 18T0284019	2013	Excellent	68.0	15.0	Spring	25	1	24	2038	2038	2038	24	\$ 4,604.96
TWPR0009C-2	Donnelly Rd	0.05	18T0284023 UTM5116938	2012	Good	40.0	16.0	Spring	25	2	23	2037	2037	2037	23	\$ 2,469.60
TWPR0009C-3	Donnelly Rd	0.1	UTM5116997 18T0283919	1999	Excellent	20.0	20.0	Spring	25	15	10	2024	2024	2024	10	\$ 1,500.20
TWPR0009C-4	Donnelly Rd	0.4	UTM5117235 18T0283812	2003	Excellent	20.0	12.0	Spring	25	11	14	2028	2028	2028	14	\$ 1,078.00
TWPR0009C-5	Donnelly Rd	1.01	UTM5117356 18T0283765	2004	Excellent	20.0	18.0	Spring	25	10	15	2029	2029	2029	15	\$ 1,354.40
TWPR0009C-6	Donnelly Rd	1.01	UTM5117373 18T0283763	2004	Good	40.0	24.0	Spring	25	10	15	2029	2029	2029	15	\$ 3,425.20
TWPR0009C-7	Donnelly Rd	1.12	UTM5117447 18T0283736	1994	Good	20.0	16.0	Spring	25	20	5	2019	2019	2019	5	\$ 1,234.80
TWPR0010C	Dunlop Cres															
TWPR0010C-1	Dunlop Cres	0.4	UTM5125491 17T078851	1992	Good	36.0	24.0	All year	25	22	3	2017	2027	2027	13	\$ 3,568.68
TWPR0010C-2	Dunlop Cres	0.56	UTM5125438 17T0708749	1982	Good	40.0	36.0	All year	25	32	Exceeded	2014	2017	2017	3	\$ 4,704.80
TWPR0010C-3	Dunlop Cres	0.6	UTM5125432 17T0708730	1976	Fair	40.0	24.0	All year	25	38	Exceeded	2014	2016	2016	2	\$ 3,965.20
TWPR0010C-4	Dunlop Cres	0.7	UTM5125349 17T0708581	2006	Excellent			All year	25	8	17	2031	2036	2036	22	\$ -
TWPR0010C-5	Dunlop Cres	0.8	UTM5125299 17T0708564	1994	Good	60.0	48.0	All year	25	20	5	2019	2044	2044	30	\$ 9,199.80
TWPR0010C-6	Dunlop Cres	0.89	UTM5125278 17T0708589	1987	Fair	30.0	16.0	Spring	25	27	Exceeded	2014	2017	2017	3	\$ 2,257.20
TWPR0010C-7	Dunlop Cres	0.89	UTM5125272 17T0708596	1987	Fair	30.0	16.0	Spring	25	27	Exceeded	2014	2017	2017	3	\$ 2,257.20

Table 1 - Component Inventory and Condition Report - Maintenance and Replacement Data

Draft Facilities Management Plan - Culverts

ID	Structure Location	Culvert Location	GPS Location	Year of Construction or Last Replacement	Present Condition	Length (ft)	Diameter (in)	Water Flow	Normal Life Expectancy (NLE)	2014 Age	Theoretical Remaining Life (TRL)	Next Replacement Year	Adjusted Replacement Year	Calculated Planning Year of Replacement	Remaining Life (RL)	2014 Replacement Allowance
TWPR0010C-8	Dunlop Cres	0.9	UTM5125255 17T0708621	1987	Fair	30.0	16.0	Spring	25	27	Exceeded	2014	2017	2017	3	\$ 2,257.20
TWPR0011C	Francoeur Rd															
TWPR0011C-1	Francoeur Rd	South corner of Ashport/Francoeur	UTM5116811 18T0284225	1994	Excellent	76.0	16.0		25	20	5	2019	2033	2033	19	\$ 4,692.24
TWPR0011C-2	Francoeur Rd	50' from entrance	UTM5116778 18T0284215	1994	Excellent	30.0	16.0		25	20	5	2019	2033	2033	19	\$ 1,852.20
TWPR0011C-3	Francoeur Rd	50' from entrance	UTM5116774 18T0284213	1994	Excellent	20.0	16.0		25	20	5	2019	2033	2033	19	\$ 1,234.80
TWPR0011C-4	Francoeur Rd	0.5	UTM5116256 18T0284179	2004	Excellent	50.0	36.0	All year	25	10	15	2029	2034	2034	20	\$ 5,206.00
TWPR0011C-5	Francoeur Rd	0.7	UTM5116108 18T0284056	2004	Excellent	20.0	12.0	Spring	25	10	15	2029	2034	2034	20	\$ 1,078.00
TWPR0011C-6	Francoeur Rd	0.8	UTM5116014 18T0284010	2004	Excellent	20.0	12.0	Spring	25	10	15	2029	2034	2034	20	\$ 1,078.00
TWPR0011C-7	Francoeur Rd	0.22	UTM5114677 18T0284136	1997	Good	20.0	12.0	Spring	25	17	8	2022	2027	2027	13	\$ 1,078.00
TWPR0012C	Gully Ln	No culverts noted.														
TWPR0013C	Harvey Creek Rd															
TWPR0013C-1	Harvey Creek Rd	0.00	UTM5117513 18T0286320	1996	Good	35.0	16.0	Spring	25	18	7	2021	2021	2021	7	\$ 2,160.90
TWPR0013C-2	Harvey Creek Rd	0.60	18T0285909 UTM5117952	2001	Good	20.0	16.0	Spring	25	13	12	2026	2026	2026	12	\$ 1,234.80
TWPR0013C-3	Harvey Creek Rd	0.50	UTM5117933 18T0285977	2004	Excellent	36.0	16.0	Spring / Heavy rain creek	25	10	15	2029	2029	2029	15	\$ 2,222.64
TWPR0013C-4	Harvey Creek Rd	0.60	18T0285909 UTM5117952	2001	Good	20.0	16.0	Spring	25	13	12	2026	2026	2026	12	\$ 1,234.80
TWPR0014C	Jennings Rd															
TWPR0014C-1	Jennings Rd	2.7	UTM5119233 18T0282383	2005	Excellent	34.0	24.0	Spring	25	9	16	2030	2035	2035	21	\$ 2,911.42
TWPR0014C-2	Jennings Rd	3.1	UTM5119341 18T0282703	2010	Excellent	40.0	16.0		25	4	21	2035	2035	2035	21	\$ 2,469.60
TWPR0015C	Jobidon Rd	No culverts noted.														
TWPR0016C	Kenny Rd															
TWPR0016C-1	Kenny Rd	1	UTM5117681 18T027972	2005	Excellent	20.0	18.0	All Year	25	9	16	2030	2035	2035	21	\$ 1,444.40
TWPR0016C-2	Kenny Rd	1.6	UTM5117482 18T0279024	2011	Excellent	30.0	36.0	All Year	25	3	22	2036	2036	2036	22	\$ 1,950.00
TWPR0016C-3	Kenny Rd	1.7	UTM5117442 18T0278972	2006	Good	40.0	16.0	All Year	25	8	17	2031	2036	2036	22	\$ 2,649.60
TWPR0016C-4	Kenny Rd		UTM5121725 18T0277029	1998	Fair	30.0	12.0	Spring	25	16	9	2023	2033	2033	19	\$ 1,752.00
TWPR0017C	Loggers Rd															
TWPR0017C-1	Loggers Rd	0.1	UTM5121920 18T0276678	2012	Excellent	55.0	36.0	Spring	25	2	23	2037	2037	2037	23	\$ 5,974.10
TWPR0017C-2	Loggers Rd		UTM5121725 18T0277030	1998	Fair	30.0	12.0	Spring	25	16	9	2023	2033	2033	19	\$ 1,752.00
TWPR0018C	Mackey Creek Rd															
TWPR0018C-1	Mackey Creek Rd	0.1	UTM5116675 18T0282411	2010	Excellent	48.0	24.0	None	25	4	21	2035	2040	2040	26	\$ 4,110.24
TWPR0018C-2	Mackey Creek Rd	0.3	UTM5116499 18T0282357	1998	Excellent	20.0	16.0	Spring	25	16	9	2023	2028	2028	14	\$ 1,234.80
TWPR0018C-3	Mackey Creek Rd	0.34	UTM5116460 18T0282379	1998	Excellent	20.0	16.0	Spring	25	16	9	2023	2028	2028	14	\$ 1,234.80
TWPR0018C-4	Mackey Creek Rd	0.37	UTM5116369 18T0282437	2008	Excellent	20.0	12.0	Spring	25	6	19	2033	2038	2038	24	\$ 1,078.00
TWPR0018C-5	Mackey Creek Rd	0.4	UTM5116440 18T0282392	1998	Excellent	20.0	12.0	Spring	25	16	9	2023	2035	2035	21	\$ 1,078.00
TWPR0018C-6	Mackey Creek Rd	0.4	UTM5116188 18T0282569	1998	Excellent	20.0	12.0	Spring	25	16	9	2023	2035	2035	21	\$ 1,078.00
TWPR0018C-7	Mackey Creek Rd	0.6	UTM5116415 18T0282408	2004	Excellent	20.0	12.0	Spring	25	10	15	2029	2034	2034	20	\$ 1,078.00
TWPR0018C-8	Mackey Creek Rd	1.8	UTM5115483 18T0282742	2002	Excellent	20.0	12.0	Spring	25	12	13	2027	2040	2040	26	\$ 1,078.00
TWPR0018C-9	Mackey Creek Rd	1.8	UTM5115441 18T0282734	1999	Excellent	20.0	16.0	Spring	25	15	10	2024	2026	2026	12	\$ 1,234.80
TWPR0018C-10	Mackey Creek Rd	1.9	UTM5115395 18T0282666	2007	Excellent	26.0	12.0	Spring	25	7	18	2032	2037	2037	23	\$ 1,401.40
TWPR0018C-11	Mackey Creek Rd	2	UTM5115387 18T0282633	1997	Good	35.0	18.0	Spring	25	17	8	2022	2030	2030	16	\$ 2,370.20
TWPR0018C-12	Mackey Creek Rd	2.1	UTM5115356 18T0282552	1992	Good	20.0	16.0	Spring	25	22	3	2017	2020	2020	6	\$ 1,234.80
TWPR0018C-13	Mackey Creek Rd	2.15	UTM5115334 18T0282493	1992	Good	20.0	16.0	Spring	25	22	3	2017	2020	2020	6	\$ 1,234.80
TWPR0018C-14	Mackey Creek Rd	2.2	UTM5115332 18T0282387	1995	Good	100.0	72.0	Spring	25	19	6	2020	2030	2030	16	\$ 6,174.00
TWPR0018C-15	Mackey Creek Rd	2.2	UTM5115328 18T0282397	1995	Good	60.0	36.0	Spring	25	19	6	2020	2030	2030	16	\$ 6,247.20
TWPR0018C-16	Mackey Creek Rd	2.4	UTM5115333 18T0282269	1993	Good	40.0	24.0	Spring	25	21	4	2018	2023	2023	9	\$ 3,425.20
TWPR0018C-17	Mackey Creek Rd	2.5	UTM5115202 18T0282236	2009	Excellent	70.0	20.0	Spring	25	5	20	2034	2039	2039	25	\$ 5,250.70
TWPR0018C-18	Mackey Creek Rd	3	UTM5114810 18T0282399	2000	Good	40.0	16.0	Spring	25	14	11	2025	2035	2035	21	\$ 2,469.60
TWPR0018C-19	Mackey Creek Rd	3.8	UTM5114773 18T0281844	1992	Good	41.0	12.0	All year	25	22	3	2017	2032	2032	18	\$ 2,209.90
TWPR0018C-20	Mackey Creek Rd	4.4	UTM5114685 18T0281318	2001	Excellent	40.0	12.0	Spring	25	13	12	2026	2036	2036	22	\$ 2,156.00
TWPR0018C-21	Mackey Creek Rd	5.2	UTM5114561 18T0280638	1997	Good	30.0	16.0	All year	25	17	8	2022	2033	2033	19	\$ 1,852.20
TWPR0018C-22	Mackey Creek Rd	5.4	UTM5114365 18T0280413	1993	Good	30.0	24.0	All year	25	21	4	2018	2028	2028	14	\$ 2,568.90
TWPR0018C-23	Mackey Creek Rd	6.2	UTM5113856 18T0279884	1979	Good	54.0	36.0	Overflow	25	35	Exceeded	2014	2019	2019	5	\$ 5,622.48
TWPR0018C-24	Mackey Creek Rd	7.1	UTM5113381 18T0279186	2008	Excellent	30.0	16.0	All year	25	6	19	2033	2038	2038	24	\$ 1,852.20
TWPR0018C-25	Mackey Creek Rd	7.9	UTM5112767 18T0278797	1970	Fair	7.0	60.0	All year	25	44	Exceeded	2014	2019	2019	5	\$ 599.41

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ID	Structure Location	Culvert Location	GPS Location	Year of Construction or Last Replacement	Present Condition	Length (ft)	Diameter (in)	Water Flow	Normal Life Expectancy (NLE)	2014 Age	Theoretical Remaining Life (TRL)	Next Replacement Year	Adjusted Replacement Year	Calculated Planning Year of Replacement	Remaining Life (RL)	2014 Replacement Allowance
TWPR0018C-26	Mackey Creek Rd	8.6	UTM5112400 18T0278253	2001	Excellent	30.0	24.0	All year	25	13	12	2026	2036	2036	22	\$ 2,568.90
TWPR0018C-27	Mackey Creek Rd	8.7	UTM5112344 18T0248257	1998	Fair	20.0	16.0	All year	25	16	9	2023	2013	2013	-1	\$ 1,234.80
TWPR0018C-28	Mackey Creek Rd	9.1	UTM5111990 18T0278218	1998	Excellent	30.0	24.0	All year	25	16	9	2023	2035	2035	21	\$ 2,568.90
TWPR0018C-29	Mackey Creek Rd	9.2	UTM5111881 18T0278076	1996	Good	20.0	16.0	All year	25	18	7	2021	2031	2031	17	\$ 1,234.80
TWPR0018C-30	Mackey Creek Rd	9.7	UTM5111714 18T0277702	1997	Good	20.0	16.0	All year	25	17	8	2022	2032	2032	18	\$ 1,234.80
TWPR0018C-31	Mackey Creek Rd	9.78	UTM5111702 18T0277654	2004	Excellent	25.0	16.0	All year	25	10	15	2029	2034	2034	20	\$ 1,543.50
TWPR0018C-32	Mackey Creek Rd	10.1	UTM5111527 18T0277290	2005	Excellent	20.0	16.0	All year	25	9	16	2030	2035	2035	21	\$ 1,234.80
TWPR0019C	Mclssac Dr															
TWPR0019C-1	Mclssac Dr	0.1	UTM5123011 17T0726367	2004	Good	60.0	18.0	Spring	25	10	15	2029	2034	2034	20	\$ 4,603.20
TWPR0019C-2	Mclssac Dr	0.2	UTM512349 17T0726410	2004	Good	40.0	24.0	All year	25	10	15	2029	2034	2034	20	\$ 3,785.20
TWPR0019C-3	Mclssac Dr	0.4	UTM5123151 17T0726493	2004	Good	40.0	20.0	All year	25	10	15	2029	2034	2034	20	\$ 3,360.40
TWPR0019C-4	Mclssac Dr	0.89	UTM5123181 17T0726957	2011	Excellent	50.0	24.0	All year	25	3	22	2036	2036	2036	22	\$ 2,065.00
TWPR0020C	Pine Valley Rd	No culverts noted.														
TWPR0021C	Plains Camp Rd	No culverts noted.														
TWPR0022C	Rivermead Rd	No culverts noted.														
TWPR0023C	Township Hall Rd															
TWPR0023C-1	Township Hall Rd	End of Entrance	UTM5121766 18T0276805	1960	Fair	80.0	24.0		25	54	Exceeded	2014	2019	2019	5	\$ 7,210.40
TWPR0024C	Trappers Rd															
TWPR0024C-1	Trappers Rd	0.30 west	UTM5123209 17T0726419	2006	Excellent	40.0	16.0	Spring	25	8	17	2031	2036	2036	22	\$ 2,829.60
TWPR0025C	Yates Rd															
TWPR0025C-1	Yates Rd	0.12	UTM5121945 18T0276601	1980	Good	30.0	24.0	Spring	25	34	Exceeded	2014	2019	2019	5	\$ 2,703.90
YB	Yates/Buckshot															
YB-1	Yates/Buckshot	0.03	UTM5121963 18T0276606	2004	Excellent	40.0	20.0		25	10	15	2029	2034	2034	20	\$ 3,168.40
YB-2	Yates/Buckshot	0.04	UTM5122060 18T0276683	2004		100.0	24.0		25	10	15	2029	2034	2034	20	\$ 9,013.00
TWPR0025C	Mackey Boat Ramp															
TWPR0025C-1	Mackey Boat Ramp	0.1	UTM5116765 18T0283156	2000	Excellent	20.0	12.0	None	25	14	11	2025	2030	2030	16	\$ 1,078.00

AVERAGE BCI

Current Condition Index	
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Current Condition Index	
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0.32	
0.12	
0.12	
0.24	
0.24	
0.16	
0.80	
0.44	
0.12	
0.48	
0.32	
0.16	
0.00	
0.76	
0.00	

Current Condition Index	
0.48	
0.36	
0.36	
0.28	
0.32	
0.60	
0.64	
0.60	
0.60	
0.60	
0.88	
0.00	
0.68	
0.00	
0.60	
0.60	
0.44	
0.49	

Last Update to Report

Table 2 - Replacement Profile

Draft Facilities Management Plan - Culverts

REPLACEMENT PROFILE

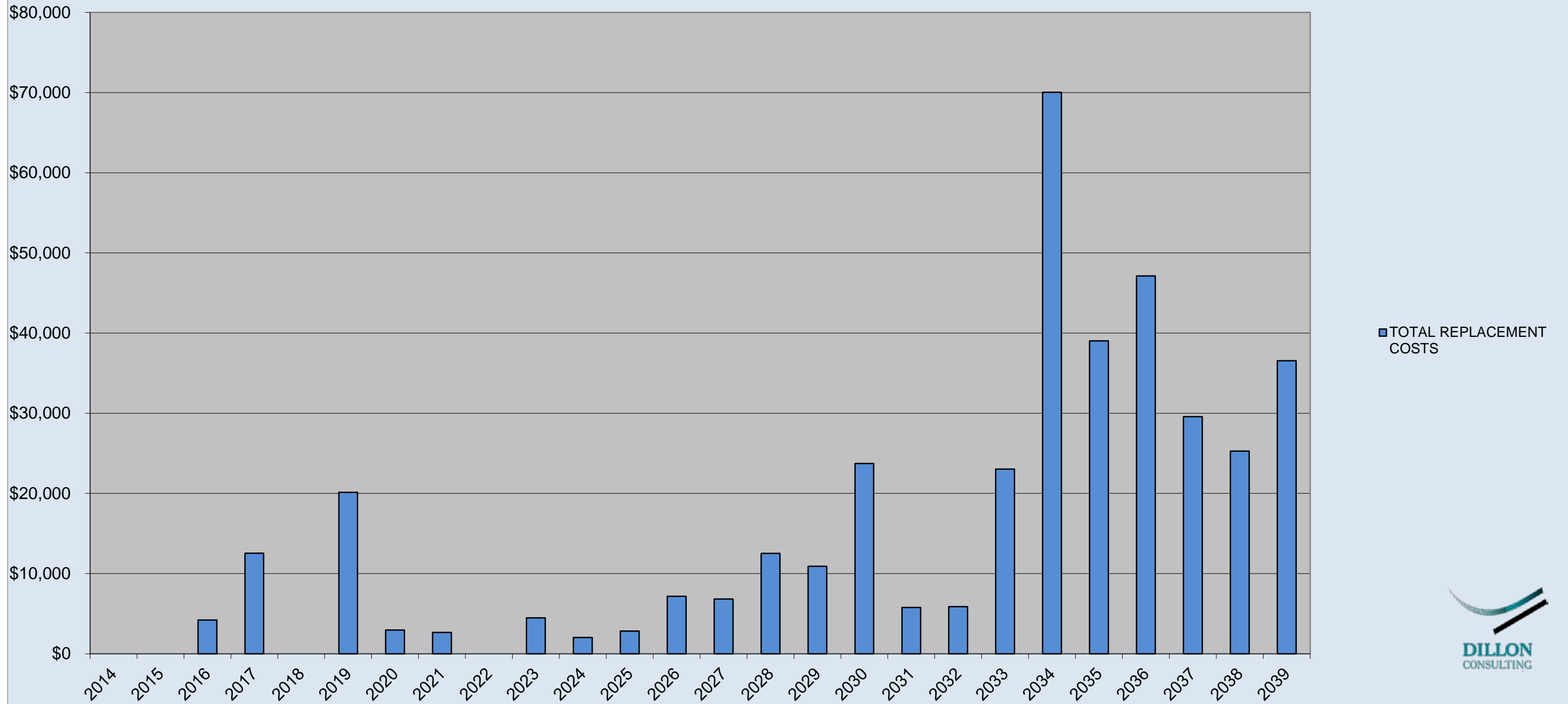
Structure Location	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
TWPR0001C Adelard Rd																									
TWPR0001C-1 Adelard Rd																									
TWPR0001C-2 Adelard Rd																									
TWPR0001C-3 Adelard Rd																							\$2,711		
TWPR0001C-4 Adelard Rd																									
TWPR0001C-5 Adelard Rd																									
TWPR0001C-6 Adelard Rd																									
TWPR0001C-7 Adelard Rd																									
TWPR0001C-8 Adelard Rd																								\$2,711	
TWPR0001C-9 Adelard Rd																							\$2,711		
TWPR0001C-10 Adelard Rd																									
TWPR0001C-11 Adelard Rd																									
TWPR0001C-11 Adelard Rd																								\$2,711	
TWPR0001C-11 Adelard Rd																								\$7,473	
TWPR0002C Ashport Rd																									
TWPR0002C-1 Ashport Rd																\$3,261									
TWPR0002C-2 Ashport Rd																									
TWPR0002C-3 Ashport Rd																									
TWPR0002C-4 Ashport Rd																									
TWPR0002C-5 Ashport Rd																									
TWPR0002C-6 Ashport Rd												\$2,820													
TWPR0002C-7 Ashport Rd																									
TWPR0002C-8 Ashport Rd																									
TWPR0002C-9 Ashport Rd																									
TWPR0002C-10 Ashport Rd																								\$1,570	
TWPR0003C Boat Launch Rd																									
TWPR0003C-1 Boat Launch Rd																									\$2,693
TWPR0003C-2 Boat Launch Rd														\$1,889											
TWPR0004C Boudreau Rd																									
TWPR0005C Buckshot Rd																									
TWPR0005C-1 Buckshot Rd																									\$2,374
TWPR0005C-2 Buckshot Rd																									\$2,374
TWPR0006C Cotnam Rd																									
TWPR0006C-1 Cotnam Rd																									
TWPR0006C-2 Cotnam Rd																								\$3,762	
TWPR0007C Crossing Rd																									
TWPR0007C-1 Crossing / Mclsaac																									
TWPR0008C Desjardin Rd																									
TWPR0009C Donnely Rd																									
TWPR0009C-1 Donnely Rd																									\$9,361
TWPR0009C-2 Donnely Rd																									\$4,874
TWPR0009C-3 Donnely Rd											\$2,016														
TWPR0009C-4 Donnely Rd															\$1,631										
TWPR0009C-5 Donnely Rd																\$2,110									
TWPR0009C-6 Donnely Rd																\$5,336									
TWPR0009C-7 Donnely Rd						\$1,431																			
TWPR0010C Dunlop Cres																									
TWPR0010C-1 Dunlop Cres															\$5,241										
TWPR0010C-2 Dunlop Cres				\$5,141																					
TWPR0010C-3 Dunlop Cres			\$4,207																						
TWPR0010C-4 Dunlop Cres																								\$0	
TWPR0010C-5 Dunlop Cres																									
TWPR0010C-6 Dunlop Cres				\$2,467																					
TWPR0010C-7 Dunlop Cres				\$2,467																					

Last Update to Report

Table 2 - Replacement Profile

Draft Facilities Management Plan - Culverts																										
REPLACEMENT PROFILE																										
Structure Location	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	
TWPR0018C-26 Mackey Creek Rd	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TWPR0018C-27 Mackey Creek Rd	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TWPR0018C-28 Mackey Creek Rd	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TWPR0018C-29 Mackey Creek Rd	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TWPR0018C-30 Mackey Creek Rd	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TWPR0018C-31 Mackey Creek Rd	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TWPR0018C-32 Mackey Creek Rd	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TWPR0019C Mclssac Dr	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TWPR0019C-1 Mclssac Dr	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TWPR0019C-2 Mclssac Dr	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TWPR0019C-3 Mclssac Dr	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TWPR0019C-4 Mclssac Dr	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TWPR0020C Pine Valley Rd	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TWPR0021C Plains Camp Rd	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TWPR0022C Rivermead Rd	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TWPR0023C Township Hall Rd	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TWPR0023C-1 Township Hall Rd	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TWPR0024C Trappers Rd	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TWPR0024C-1 Trappers Rd	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TWPR0025C Yates Rd	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TWPR0025C-1 Yates Rd	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
YB Yates/Buckshot	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
YB-1 Yates/Buckshot	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
YB-2 Yates/Buckshot	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TWPR0025C Mackey Boat Ramp	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TWPR0025C-1 Mackey Boat Ramp	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL REPLACEMENT COSTS	\$0	\$0	\$4,207	\$12,541	\$0	#####	\$2,949	\$2,658	\$0	\$4,469	\$2,016	\$2,820	\$7,170	\$6,824	\$12,513	\$10,909	\$23,736	\$5,772	\$5,864	\$23,033	\$70,038	\$39,031	\$47,132	\$29,570	\$25,269	

**The Corporation of the United Townships of Head, Clara & Maria
Culverts
Draft Asset Management Plan**



Last Update to Report

Table 1 - Component Inventory and Condition Report - Maintenance and Replacement Data

Draft Facilities Management Plan - Road Surface															
ID	Street Name	Year of Construction or Last Replacement	Length (m)	Width (m)	Area (sq m)	Material	Normal Life Expectancy (NLE)	2014 Age	Theoretical Remaining Life (TRL)	Next Replacement Year	Adjusted Replacement Year	Calculated Planning Year of Replacement	Remaining Life (RL)	2014 Replacement Allowance	Current Condition Index
TWPR0001	Adelard Rd	1960	3650	6.5	23725	Gravel	100	54	46	2060		2060	46	\$ 69,800.00	0.46
TWPR0002	Ashport Rd	1960	2450	6.5	15925	Gravel	100	54	46	2060		2060	46	\$ 39,812.50	0.46
TWPR0003	Bull Launch Rd	1960	290	6.5	1885	Gravel	100	54	46	2060		2060	46	\$ 4,712.50	0.46
TWPR0004	Bouffault Rd	1960	320	6.5	2080	Gravel	100	54	46	2060		2060	46	\$ 5,200.00	0.46
TWPR0005	Buckshot Rd	1960	870	6.5	5655	Gravel	100	54	46	2060		2060	46	\$ 14,137.50	0.46
TWPR0006	Coleman Rd	1960	170	6.5	1105	Gravel	100	54	46	2060		2060	46	\$ 2,762.50	0.46
TWPR0007	Crossing Rd	1960	100	6.5	650	Gravel	100	54	46	2060		2060	46	\$ 1,625.00	0.46
TWPR0008	Desaires Rd	1960	380	6.5	2470	Gravel	100	54	46	2060		2060	46	\$ 6,175.00	0.46
TWPR0009	Donnaby Rd	1960	1120	6.5	7280	Gravel	100	54	46	2060		2060	46	\$ 18,200.00	0.46
TWPR0010	Dunlop Crsg	1960	940	6.5	6110	Gravel	100	54	46	2060		2060	46	\$ 15,275.00	0.46
TWPR0011	Francouet Rd	1960	1700	6.5	11050	Gravel	100	54	46	2060		2060	46	\$ 27,625.00	0.46
TWPR0013	Harvey Creek Rd	1960	770	6.5	5005	Gravel	100	54	46	2060		2060	46	\$ 12,512.50	0.46
TWPR0014	Jennison Rd	1960	7170	6.5	46605	Gravel	100	54	46	2060		2060	46	\$ 116,512.50	0.46
TWPR0015	Johnson Rd	1960	390	6.5	2535	Gravel	100	54	46	2060		2060	46	\$ 6,337.50	0.46
TWPR0016	Kenny Rd	1960	3130	6.5	20345	Gravel	100	54	46	2060		2060	46	\$ 60,862.50	0.46
TWPR0017	Lopata Rd	1960	460	6.5	2990	Gravel	100	54	46	2060		2060	46	\$ 7,475.00	0.46
TWPR0018	MacKenzie Creek Rd	1960	11260	6.5	73190	Gravel	100	54	46	2060		2060	46	\$ 182,975.00	0.46
TWPR0020	Melissac Dr	1960	1060	6.5	6890	Gravel	100	54	46	2060		2060	46	\$ 17,225.00	0.46
TWPR0021	Pine Valley Rd	1960	320	6.5	2080	Gravel	100	54	46	2060		2060	46	\$ 5,200.00	0.46
TWPR0022	Plains Camp Rd	1960	1150	6.5	7475	Gravel	100	54	46	2060		2060	46	\$ 18,687.50	0.46
TWPR0023	Rivermead Rd	1960	510	6.5	3315	Gravel	100	54	46	2060		2060	46	\$ 8,287.50	0.46
TWPR0024	Township Hall Rd	1960	580	6.5	3770	Gravel	100	54	46	2060		2060	46	\$ 9,425.00	0.46
TWPR0025	Trappers Rd	1960	570	6.5	3705	Gravel	100	54	46	2060		2060	46	\$ 9,262.50	0.46
TWPR0026	Yates Rd	1960	390	6.5	2535	Gravel	100	54	46	2060		2060	46	\$ 6,337.50	0.46
AVERAGE CCI														0.46	

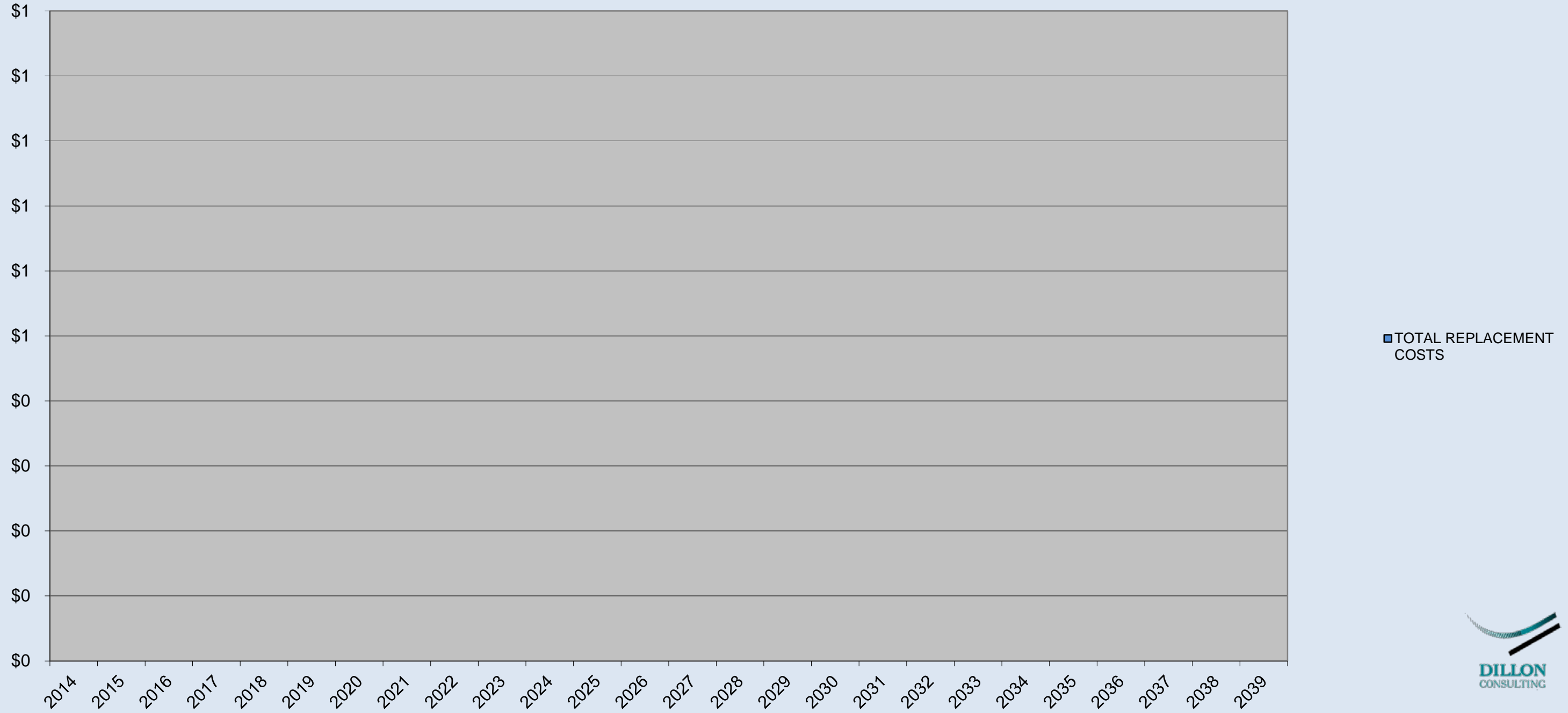
DRAFT

Last Update to Report

Table 2 - Replacement Profile

Draft Facilities Management Plan - Road Surface																											
REPLACEMENT PROFILE																											
Street Name	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	
TYPR0001 Astor Rd	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TYPR0002 Ashport Rd	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TYPR0003 Road Lovers Rd	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TYPR0004 Boudreau Rd	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TYPR0005 Buckshot Rd	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TYPR0006 Cotnam Rd	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TYPR0007 Cushing Rd	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TYPR0008 Deshaills Rd	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TYPR0009 Donnelly Rd	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TYPR0010 Dunlop Crge	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TYPR0011 Farnsworth Rd	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TYPR0013 Harvey Creek Rd	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TYPR0014 Jennings Rd	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TYPR0015 Johnson Rd	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TYPR0016 Kenney Rd	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TYPR0017 Liggins Rd	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TYPR0019 Mackay Creek Rd	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TYPR0020 McIsaac Dr	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TYPR0021 Pine Valley Rd	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TYPR0022 Plains Camp Rd	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TYPR0023 Riverbank Rd	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TYPR0024 Township Hill Rd	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TYPR0025 Trappes Rd	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TYPR0026 Lanes Rd	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL REPLACEMENT COSTS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	

**The Corporation of the United Townships of Head, Clara & Maria
Road Surface
Draft Asset Management Plan**



Last Update to Report

Table 1 - Component Inventory and Condition Report - Maintenance and Replacement Data

Draft Facilities Management Plan - Road Bed															
ID	Street Name	Year of Construction or Last Replacement	Road Length (m)	Roadway Width (m)	Area (sq m)	Surface Material	Normal Life Expectancy (NLE)	2014 Age	Theoretical Remaining Life (TRL)	Next Replacement Year	Adjusted Replacement Year	Calculated Planning Year of Replacement	Remaining Life (RL)	2014 Replacement Allowance	Current Condition Index
TWPR0001	Adlard Rd	1960	360	6.5	2340	Gravel	100	54	46	2060		2060	46	\$ 239,200.00	0.46
TWPR0002	Adlport Rd	1960	2450	6.5	15925	Gravel	100	54	46	2060		2060	46	\$ 159,250.00	0.46
TWPR0003	Bell Launch Rd	1960	290	6.5	1885	Gravel	100	54	46	2060		2060	46	\$ 18,850.00	0.46
TWPR0004	Boudreau Rd	1960	320	6.5	2080	Gravel	100	54	46	2060		2060	46	\$ 20,800.00	0.46
TWPR0005	Buckhol Rd	1960	670	6.5	4355	Gravel	100	54	46	2060		2060	46	\$ 43,550.00	0.46
TWPR0006	Cotton Rd	1960	170	6.5	1105	Gravel	100	54	46	2060		2060	46	\$ 11,050.00	0.46
TWPR0007	Crossana Rd	1960	190	6.5	1235	Gravel	100	54	46	2060		2060	46	\$ 12,350.00	0.46
TWPR0008	Dejarin Rd	1960	380	6.5	2470	Gravel	100	54	46	2060		2060	46	\$ 24,700.00	0.46
TWPR0009	Donnelly Rd	1960	1120	6.5	7280	Gravel	100	54	46	2060		2060	46	\$ 72,800.00	0.46
TWPR0010	Dunlop Cres	1960	940	6.5	6110	Gravel	100	54	46	2060		2060	46	\$ 61,100.00	0.46
TWPR0011	Francour Rd	1960	1700	6.5	11050	Gravel	100	54	46	2060		2060	46	\$ 110,500.00	0.46
TWPR0013	Harvey Creek Rd	1960	770	6.5	5005	Gravel	100	54	46	2060		2060	46	\$ 50,050.00	0.46
TWPR0014	Jonson Rd	1960	7170	6.5	46605	Gravel	100	54	46	2060		2060	46	\$ 466,050.00	0.46
TWPR0015	Jobson Rd	1960	390	6.5	2535	Gravel	100	54	46	2060		2060	46	\$ 25,350.00	0.46
TWPR0016	Kerav Rd	1960	3130	6.5	20345	Gravel	100	54	46	2060		2060	46	\$ 203,450.00	0.46
TWPR0017	Lodge Rd	1960	460	6.5	2990	Gravel	100	54	46	2060		2060	46	\$ 29,900.00	0.46
TWPR0019	Mackay Creek Rd	1960	11260	6.5	73190	Gravel	100	54	46	2060		2060	46	\$ 731,900.00	0.46
TWPR0020	McLain Rd	1960	1980	6.5	12870	Gravel	100	54	46	2060		2060	46	\$ 128,700.00	0.46
TWPR0021	Pyra Valley Rd	1960	320	6.5	2080	Gravel	100	54	46	2060		2060	46	\$ 20,800.00	0.46
TWPR0022	Plains Camp Rd	1960	1150	6.5	7475	Gravel	100	54	46	2060		2060	46	\$ 74,750.00	0.46
TWPR0023	Riverhead Rd	1960	510	6.5	3315	Gravel	100	54	46	2060		2060	46	\$ 33,150.00	0.46
TWPR0024	Township Hall Rd	1960	580	6.5	3770	Gravel	100	54	46	2060		2060	46	\$ 37,700.00	0.46
TWPR0025	Trappers Rd	1960	570	6.5	3705	Gravel	100	54	46	2060		2060	46	\$ 37,050.00	0.46
TWPR0026	Yana Rd	1960	280	6.5	1820	Gravel	100	54	46	2060		2060	46	\$ 18,200.00	0.46
AVERAGE CCI													0.46		

DRAFT

Last Update to Report
Table 2 - Replacement Profile

Draft Facilities Management Plan - Road Bed																											
REPLACEMENT PROFILE																											
Street Name	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	
TWP0001 Adiantum Rd																											
TWP0002 Ashport Rd																											
TWP0003 Ball Laundry Rd																											
TWP0004 Boudreau Rd																											
TWP0005 Buckshot Rd																											
TWP0006 Colman Rd																											
TWP0007 Coalinga Rd																											
TWP0008 Denholm Rd																											
TWP0009 Downy Rd																											
TWP0010 Durlop Crst																											
TWP0011 Fingerson Rd																											
TWP0013 Harvey Creek Rd																											
TWP0014 Jarrings Rd																											
TWP0015 Johnson Rd																											
TWP0016 Kanyk Rd																											
TWP0017 Longins Rd																											
TWP0019 Muskey Creek Rd																											
TWP0020 Mullan Dr																											
TWP0021 Pine Valley Rd																											
TWP0022 Plains Camp Rd																											
TWP0023 Shermans Rd																											
TWP0024 Towanda Hill Rd																											
TWP0025 Trappers Rd																											
TWP0026 Trues Rd																											
TOTAL REPLACEMENT COSTS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

**The Corporation of the United Townships of Head, Clara & Maria
Road Bed
Draft Asset Management Plan**

