

**THE CORPORATION OF THE TOWNSHIP OF LAKE OF BAYS  
REPORT**

**TO:** Mayor and Members of Council  
**FROM:** Public Works Supervisor –Lauri Romanko  
**DATE:** February 23, 2010  
**SUBJECT:** 2009 Grading Frequency Report

**RECOMMENDATION:**

Be it resolved that the Council of the Corporation of the Township of Lake of Bays receives the staff report "Grading Frequency Report 2009" dated February 23, 2010.

**ORIGIN:**

Request from C.A.O./Treasurer.

**BACKGROUND:**

The 2009 Grading Frequency Report is compiled from information provided by the township's grader operators' and supervisors' daily log books.

The Township grades approximately 132 km's. of gravel surface per year: however, every year there are roads that change from gravel to surface treatment and vice versa.

The 2009 Grading Frequency Report contains information about the road sections, such as:

- class of the road,
- (A.A.D.T.) average annual daily traffic,
- a ten-year average grading; and
- 2009 grading frequency.

Grading frequencies can range from one (1) time per year to ten (10) times per year based on the following factors:

- weather conditions;
- application of dust control products;
- volume of traffic;
- type of gravel on the road surface;
- public concerns about road conditions can affect the grading frequency of any municipal roads and
- use of hired grader.

Grading of gravel roads can become difficult for municipal equipment, if the road is very narrow and there is a deficiency of gravel on the road surface. The Township of Lake of Bays has a deficiency of gravel on a number of municipal roads. Replacement gravel costs approximately \$20,000.00 per km and has a life expectancy of about 20 years.

The chart below shows the grading frequency per year:

Year	Grading Frequency
2009	344
2008	582
2007	491
2006	540
2005	494
2004	491

The Public Works Department is currently using a combination of municipal equipment and hired graders. Because of changing weather patterns the grader is required well into November, this has not been the normal in the past.

The names presented in this report may not agree with current road names by-law for some of the roads, but the road section number will be the same.

**LINKAGE TO THE COMMUNITY BASED STRATEGIC PLAN:**

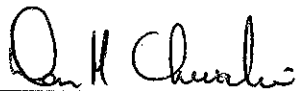
- Engage and Communicate Openly with the Community

The information in this report will ensure that staff broadcast the timing and costs associated with this activity to Council and the public to ensure that we communicate openly with Council and the public.


Submitted by

  
Lauri Romanko  
Public Works Supervisor

Reviewed by

  
Don H. Chevalier  
C.A.O./Treasurer

Reviewed by

  
Tom Brown  
Director of Public Works and Facilities



Grading Frequency Report 2009

Section #	Name	From	To	Length	Class	Lanes	A A D T	Freq 10 yr A	2003	2004	2005	2006	2007	2008	2009
137121	Pine Ridge Road	Rat Bay Road	0.8 km Southwest	0.8 km	5	2	100	6.4	10	7	7	4	7	9	4
137221	Pine Ridge Road	0.8 km S. of Rat B	End	0.8 km	6	2	36	6.1	7	6	7	4	7	10	4
137321	Pine Ridge Road	Pine Ridge Road	0.3 km East	0.3 km	6	2	36	5.3	6	6	7	4	7	9	4
138021	Granger Grove Road	Rat Bay Road	0.7 km South	0.7 km	5	2	60	5.0	7	6	6	4	5	6	3
138121	Silver Birch Road	Granger Grove Rd.	0.6 km Southeast	0.6 km	6	2	10	4.5	6	5	5	4	5	4	3
143021	Wolf Bay Road	Dist. Road # 23	0.8 km East	0.8 km	6	2	36	5.1	6	6	5	6	5	8	5
143122	Wolf Bay Road	0.8 km E. of # 23	End	0.2 km	6	2	10	2.5	2	1	2	5	2	5	3
142021	Put in Bay Road	Boundary/Huntsvil	2.3 km Southeast	2.3 km	6	2	30	5.1	6	6	4	6	5	7	4
140121	Osborne Point Road	0.7 km E. of # 9	1.5 East	1.5 km	6	2	24	5.5	5	8	5	7	5	8	4
<b>END OF DAY SIX 8.0 km</b>															
139021	Marina Road	District Road # 9	0.3 km South	0.3 km	6	1	36	3.5	5	5	5	5	3	4	2
130021	Lake of Bays Lane	Dwight Bay Road	0.7 km South	0.7 km	5	1	150	3.5	3	3	4	5	4	5	3
133121	East Cooper Lk. Road	Cooper Lk. Bridge	0.2 km N. Coop B	0.2 km	6	2	42	2.4	4	3	4	5	4	3	3
133221	East Cooper Lk. Road	0.2 km N. Coop B	End	0.6 km	6	2	42	1.9	0	0	0	5	4	4	2
128022	Oxtongue Rapids Road	0.9 km E. of # 60	Boundry Algon H	2.3 km	5	2	50	2.9	4	3	2	4	3	5	3
124021	Sale Road	Highway # 35	0.2 km West	0.2 km	6	2	12	2.5	3	3	3	4	1	4	2
116021	Hermans Road	Dist. Road # 22	0.2 km Northerly	0.2 km	6	2	35	3.0	3	4	4	5	3	4	2
123021	Arts Road	Pt Cunningham Rd.	0.1 km Southwest	0.1 km	6	2	12	3.2	3	3	3	5	5	5	5
117021	Boyces Road	Dist. Road # 22	1.3 km Southeast	1.3 km	6	2	24	4.5	3	4	5	6	6	6	5
108021	Birkendale Road	Highway # 35	Robson Lane	0.3 km	6	2	24	2.9	2	3	4	4	3	5	2
109021	Robson Lane	Ronville Road	0.3 km Southwest	0.3 km	6	2	18	2.8	3	3	4	4	3	3	2
111021	Sommerzeit Road	Dist. Road # 22	Dist. Road # 22	0.2 km	6	2	7	2.5	3	3	3	4	3	4	2
112021	Melrose Road	Dist. Road # 21	0.3 km Westerly	0.3 km	6	2	12	3.3	3	3	4	5	4	5	2
<b>END OF DAY SEVEN 7.0 km</b>															
113021	Echo Bay Road	Dist. Road # 21	1.3 km Northerly	1.3 km	5	2	100	3.7	4	3	5	5	3	4	4
114022	Echo Bay Road	1.3 km N. of # 21	0.5 km Northerly	0.5 km	5	2	50	2.2	2	2	2	1	2	4	4
115021	Fox Point Road	Dist. Road # 21	2.2 km Southerly	2.2 km	5	2	66	3.9	4	3	7	4	4	4	4
103221	Port Cunningham	0.9 km South # 22	1.9 km Westerly	1.9 km	5	2	66	0.6	2	5	0	0	0	0	0
104221	Seabreeze Road	4.9 km south #35	5.5 km South #35	0.4 km	6	2	12	3.5	5	0	0	4	3	5	4
105021	Seabreeze Road	5.5 km south #35	End	0.4 km	6	2	12	3.5	3	3	4	4	3	5	4
106321	Bobshire Road	Delbrooke Road	End	1.8 km	6	2	20	2.0	2	4	4	4	3	3	2
<b>END OF DAY EIGHT 7.8 km</b>															
102021	Rabbits Bay Landing Rd	Highway # 35	0.1 km Westerly	0.1 km	6	1	2	2.1	2	3	4	5	2	2	1
303021	Shoe Lake Road	Highway # 35	1.7 km	1.7 km	6	2	12	4.5	2	5	3	5	5	10	4
302021	Grindstone Lake Road	Highway # 35	End	0.1 km	6	1	30	1.5	2	2	3	3	1	4	2
301022	Margaret Lake Road	Highway # 35	2.2 km West	2.2 km	6	2	2	1.9	2	2	3	3	1	3	2
304021	McLennan Drive	0.3 km S/E # 35	0.3 km South	0.3 km	6	1	30	3.0	3	4	3	5	3	4	3
305021	Red Chalk Road	Paint Lake Road	0.6 km South	0.6 km	6	1	2	3.2	5	3	3	4	4	5	1
305121	Red Chalk Road	0.6 km S. of P.L.R.	0.6 km South	0.6 km	6	1	2	2.5	4	3	3	5	2	3	1
305222	Red Chalk Road	1.2 km S. of P.L.R.	0.6 km South	0.6 km	6	1	5	2.1	3	3	2	3	1	3	2
310021	Narrows Road	Dist. Road # 117	1.3 km East	1.3 km	5	2	72	5.4	5	8	5	5	5	8	6
311022	Narrows Road	1.3 km E. of #117	0.4 km	0.4 km	6	1	36	4.5	3	5	4	5	5	7	6
311122	Bayview Avenue	Narrows Road	End	0.9 km	6	1	36	4.2	2	5	4	5	5	7	3
<b>END OF DAY NINE 8.5 km</b>															

Grading Frequency Report 2009

Section #	Name	From	To	Length	Class	Lanes	A A D T	Freq 10 yr A	2003	2004	2005	2006	2007	2008	2009
309322	Bellwood Acres Road	3.1 km N/W # 117	0.4 km South	0.4 km	5	1	75	2.0	3	2	3	3	3	6	2
307021	Paint Lake Road	4.1 km W. of #117	Browns Brae Rd.	4.8 km	6	2	31	5.4	5	8	4	5	4	7	7
308021	Kenney Road	Paint Lake Road	0.2 km Northeast	0.2 km	6	1	24	1.7	2	3	3	3	2	3	2
<b>END OF DAY TEN 8.2 km END OF WEEK TWO 39.5 KM THIS WEEK GRAND TOTAL 78.7 km</b>															
321021	Browns Brae Road	Paint Lake Road	N. Ril Lk. Road	2.6 km	6	2	35	4.5	4	5	4	5	5	6	7
323022	Watson Road	N. Ril Lk. Road	0.9 km Southwest	0.9 km	6	2	36	3.3	4	3	3	4	3	5	3
323122	Watson Road	0.9 km Southwest	0.5 km W. to End	0.5 km	6	1	36	2.0	2	2	2	4	1	3	2
322121	N. Ril Lk. Road	1.1 km S. B. Rd.	S. Ril Lake Road	2.1 km	5	2	72	4.6	4	7	4	4	3	5	4
320021	Browns Brae Road	Dist. Road # 117	Paint Lake Road	2.5 km	5	2	54	5.4	5	6	4	6	3	5	5
<b>END OF DAY ELEVEN 8.6 km</b>															
324021	S. Ril Lk. Road	N. Ril Lk. Road	MacAuthur Pt. Rd.	2.8 km	6	2	25	4.8	6	8	5	4	4	4	4
324151	S. Ril Lk. Road	MacAuthur Pt. Rd.	0.3 km N. of M. Pt.	0.3 km	6	2	25	4.7	6	8	5	4	3	4	4
324221	S. Ril Lk. Road	0.3 km N. of M. Pt.	Browns Brae Road	1.4 km	6	2	25	5.0	7	8	4	5	3	5	5
324321	MacAuthur Pt. Road	S. Ril Lk. Road	1.2 km East	1.2 km	6	2	29	4.0	5	5	4	4	3	4	4
324421	James Point Road	S. Ril Lk. Road	0.2 km West	0.2 km	6	2	10	2.0	2	3	3	4	3	3	3
324521	Ril Cove Road	S. Ril Lk. Road	0.4 km to End	0.4 km	6	2	10	3.1	4	3	3	4	3	5	4
325021	Muskoka Bob Road	N. Ril Lk. Road	Westerly	0.2 km	6	1	36	2.2	2	3	3	4	3	3	3
416121	Hammond Road	0.6 km N. of # 51	0.7 km North	0.7 km	6	1	18	2.5	3	3	3	5	3	3	2
417021	East Hammond Road	Hammond Road	0.3 km Northwest	0.3 km	6	2	12	2.5	3	3	3	5	4	3	3
414021	Lawson Road	Dist. Road# 51	1.4 km North	1.4 km	6	2	18	3.3	3	3	3	5	4	3	3
<b>END OF DAY TWELVE 8.9 km</b>															
410131	Dickie Lake Road	Dickie Lk. Rd. W.	1.5 km Southwest	1.5 km	5	2	72	0.5	5	0	0	0	0	0	0
410221	Dickie Lake Road	1.5 S.W.D.L.R.W.	2.4 Southeast	2.4 km	5	2	72	4.5	5	3	5	6	4	4	5
411021	Dickie Lake Road	Northeast End	Dickie Lk. Rd. E.	1.0 km	6	2	24	4.1	5	3	5	5	5	4	5
411121	Dickie Lake Road	Dickie Lk. Rd. E.	Dickie Lk. Rd. W.	1.0 km	6	2	24	4.0	5	3	5	5	4	4	5
412021	Dickie Lake Road E.	Dist. Road # 51	Dickie Lk. Rd.	0.3 km	6	2	24	4.5	5	4	4	5	5	4	5
405021	Winders Bay Road	Dist. Road # 117	2.7 km Northwest	2.6 km	6	2	36	3.3	4	4	3	4	3	3	2
<b>END OF DAY THIRTEEN 8.9 km</b>															
404021	Stratheld Road	Dist. Road # 117	0.3 km Northwest	0.3 km	6	2	12	2.7	3	3	3	4	2	3	2
406021	Kings Road	Dist. Road # 117	0.5 km North	0.5 km	6	1	24	2.6	3	4	3	4	2	3	2
407021	Mary Roberts Road	Dist. Road # 117	0.3 km North	0.3 km	6	1	24	2.7	2	3	4	3	2	3	3
408021	Birch Glen Road	Dist. Road # 117	0.3 km North	0.3 km	5	2	72	1.9	4	1	3	3	2	3	1
403021	Bayview Drive	Dist. Road # 117	Dis. Road # 117	0.4 km	6	2	12	3.1	3	4	3	4	3	3	1
402121	Nithgrove Road	West End	East End	0.5 km	6	2	40	2.8	3	3	5	4	3	3	1
401021	Grandview Lk. Road	Dist. Road # 117	0.6 km North	0.6 km	6	2	42	4.1	4	5	2	7	4	6	3
401122	Grandview Lk. Road	0.6 km W. of #117	2.3 km North	1.7 km	6	1	42	3.8	2	4	4	5	4	6	2
319021	East Grandview Road	Dist. Road # 117	1.3 km N/W	1.3 km	6	2	36	3.4	2	3	4	3	4	6	3
314122	Bigwin View Lane	Old Highway # 117	Old Highway # 117	0.8 km	6	1	12	2.1	1	3	4	4	2	3	2
314021	Scotts Boathouse Road	Old Highway # 117	0.4 km Northeast	0.4 km	6	1	12	2.5	3	3	4	4	4	3	2
313021	Longline Lake Road	Dist. Road # 117	0.7 km	0.7 km	6	1	30	3.8	3	3	4	4	4	6	5
313121	S. Longline Lake Road	Longline Lake Rd.	End	0.3 km	6	1	30	3.6	2	3	4	4	4	5	3
<b>END OF DAY FOURTEEN 8.1 km</b>															
3															
2/1/2010															

Grading Frequency Report 2009

Section #	Name	From	To	Length	Class	Lanes	A A D T	Freq 10 yr A	2003	2004	2005	2006	2007	2008	2009
418121	Heney Lake Road	0.6 km S. # 117	2.0 km South	2.0 km	5	2	72	3.6	3	4	4	5	3	6	3
419022	Heney Lake Road	2.0 km S. # 117	0.9 km South	0.9 km	6	1	12	2.5	1	3	2	4	2	4	2
420021	Fairy Falls Road	Dist. Road # 117	1.8 km South	1.8 km	5	2	160	1.9	4	0	0	0	0	0	0
420121	Fairy Falls Road	1.8 km S. Of #117	3.2 km South	1.4 km	5	2	100	3.3	2	3	3	5	2	3	2
424022	Moots Lake Road	Dist. Road # 117	3.6 km North	3.6 km	6	1	18	2.3	4	2	3	4	2	2	2
442031	Carol St. East	Dickie Street	Howard Street	0.2 km	5	2	100	0.2	2	0	0	0	0	0	0
442131	Carol St. West	Howard Street	West to End	0.1 km	5	2	100	0.2	2	0	0	0	0	0	0
<b>END OF DAY Fifteen 10.0 km END OF WEEK THREE 44.5 KM GRAND TOTAL 122.7 KM</b>															
425121	Langford Road	1.0 km West	1.4 km West	0.4 km	6	2	24	3.5	3	3	4	4	4	4	4
426121	Walsh Road	0.4 km N.L.F. Rd.	0.6 km North	0.6 km	6	1	25	3.5	3	3	4	4	4	4	3
430031	Doran Road	Burlmarie Road	0.2 km South	0.2 km	6	1	7	2.5	3	4	4	4	4	3	1
431021	Bastedo Road	Burlmarie Road	0.7 km Southwest	0.7 km	6	2	18	3.1	3	3	4	4	4	5	2
432021	Austin Road	Burlmarie Road	0.8 km North	0.8 km	6	1	24	3.5	3	3	4	4	4	4	4
433021	S. Tooke Lk. Road	Dist. Road # 2	0.3 km West	0.3 km	6	2	18	3.1	3	3	4	4	4	4	1
434021	N. Tooke Lk. Road	Dist. Road # 2	0.8 km West	0.8 km	6	2	30	3.5	3	3	4	5	4	4	2
435021	N. Burnt Island Road	Dist. Road # 2	2.0 km East	2.0 km	5	2	72	4.1	4	4	4	5	4	6	3
436022	Sidney Trail	N. Burnt Island Rd.	0.3 km East	0.3 km	6	1	12	2.5	3	2	2	3	4	3	1
437031	Burlmarie Road East	Burlmarie Road	0.2 km East	0.2 km	6	2	10	2.4	3	3	3	4	4	4	1
437122	S. Menominee Road	0.8 km West # 2	0.3 km West	0.3 km	6	1	36	1.8	1	3	3	3	4	3	1
438121	Menominee Road	0.5 km West # 2	0.4 km West	0.4 km	5	2	66	3.0	3	4	3	3	4	3	3
438221	Grand Boulevard Road	Menominee Road	0.3 km South	0.3 km	5	1	66	2.5	1	4	3	3	4	3	1
<b>END OF DAY Sixteen 7.3 km</b>															
440021	Prices Pt. Road	Dist. Road # 9	1.8 km Southeast	1.8 km	5	2	72	4.4	4	4	4	3	7	6	5
440121	Vancleaf Road	Prices Pt. Road	0.8 km West	0.7 km	6	2	25	4.2	4	5	4	3	6	5	4
441021	Channel Road	Prices Pt. Road	0.3 km	0.3 km	6	2	12	3.4	4	4	3	3	5	6	5
<b>END OF DAY Seventeen 2.8 km GRAND TOTAL 132.8 KM</b>															
														2009 total	344