

# SMOKY LAKE COUNTY

<b>Title:</b> Three-Year Road Plan	<b>Policy No.:</b> 15-01
<b>Section:</b> 03	<b>Page No.:</b> 1 of 4 <i><u>Schedule "A" – Road Projects</u></i> E

<b>Legislation Reference:</b>	Municipal Government Act
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<b>Purpose:</b>	The intent of the three-year road plan to identify and prioritize required roadway improvements on a long-term basis, recognizing that there is a limitation to how far into the future project commitments can be made based on the realistic anticipation of future circumstances.
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<b>Policy Statement and Guidelines:</b>
<p>The policy is to determine long-range road development and upgrading program to identify, evaluate and prioritize future road projects based on proposed or anticipated land use patterns and traffic demands. Road requirements are the responsibility of the municipality with the support of the infrastructure grant program(s) and other case specific assistance programs.</p> <p>The plan is limited to the identification of specific annual projects for a future period of three-years based on identified budgetary limitations.</p> <p>Once adopted, three-year plan (<u>described as "Schedule A" only</u>) requires a reasonable ongoing commitment to the projects with any modifications limited to:</p> <ol style="list-style-type: none"><li>1. Changes to each annual review and update.</li><li>2. Changes in funding availability for road projects, either through municipal budgeting or grant assistance programs will be a major factor in controlling adjustments to the three-year plan.</li></ol> <p><b>OBJECTIVES</b></p> <p>The objectives of the three-year road plan development and upgrading planning process can be summarized as follows:</p> <ol style="list-style-type: none"><li>1. To identify a long-term requirement for road upgrading and improvements in the Smoky Lake County taking into account the established or proposed land use patterns and the traffic generation that can ultimately be expected from such land use patterns.</li><li>2. To provide a means for assigning and agreeing upon priorities for the various upgradings and improvements required on an annual basis for a period of three-years, based on a realistic balance between needs and funding availability.</li></ol>

<b>Title: Three-Year Road Plan</b> <i>- Continued</i>	<b>Policy No.: 15-01</b>
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<b>Policy Statement and Guidelines:</b>
<ol style="list-style-type: none"> <li>3. To provide a basis for estimating and projecting the municipalities longer-term budget and revenue requirements to satisfy its road plan needs.</li> <li>4. To provide for more timely engineering studies and/or land acquisitions related to the road plan and to allow for the more effective use of resources.</li> <li>5. To provide for planned and proper staging of major projects where required for technical or financial reasons.</li> <li>6. To provide a basis for communicating of information to residents or other interested parties with regard to Smoky Lake County’s priorities on road upgrading and improving the municipal road infrastructure.</li> </ol>
<p><b>IDENTIFICATION OF PROJECTS AND PRIORITIES</b></p>
<p>The identification of potential projects for the three-year road plan is based on a review and evaluation of the projected long-term road infrastructure needs in the municipality.</p>
<p><b><u>Project Factors to take into account:</u></b></p>
<ul style="list-style-type: none"> <li>■ Safety elements and existing road standards.</li> <li>■ Traffic types and volumes.</li> <li>■ Land use patterns.</li> <li>■ Long-term regional development plans.</li> <li>■ Road maintenance problems and costs.</li> <li>■ Construction feasibility.</li> <li>■ Network importance.</li> <li>■ Ratepayer consensus</li> <li>■ Environment concerns.</li> </ul>
<p><b><u>Road Categories for Maintenance, Upgrading and Gravel:</u></b></p>
<p>Category # 1: Paved and oiled roads</p> <p>Category # 2: High usage gravel roads.</p> <p>Category # 3: Moderate usage gravel roads with thru traffic and serving several residents.</p> <p>Category # 4: Little used and dead-end gravel roads.</p>

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**Policy Statement and Guidelines:**

A reasonable degree of uniformity to the condition maintaining and upgrading of the road system throughout the County as a whole.

**REVIEW AND UPDATE PROCESS**

Once the three-year road plan has been accepted, the addition of a project to the plan should only be considered acceptable upon resolution of Council based on submissions from administration or requests from individual Councillors.

It is proposed that the Three-Year Road Plan be reviewed, updated and accepted by Council during November of each year.

The process involves;

1. Review and confirmation of the past year’s projects as previously approved.
2. The development and approval of a “new” Year-Three Plan consisting primarily of projects previously identified in the plan plus the new third year.

**FORMAT**

The format for presentation of the Three-Year Road Plan will be identified within this policy under the following classifications:

**Construction**

**Rehabilitation**

**Paving and Oiling Treatment**

**Gravelling**

Indicating the project name, length, estimated costs and funding source.

**Please note: The estimated costs are approximate and should be used for budgetary proposes only.**

<b>Title:</b> Three-Year Road Plan - <i>Continued</i>	<b>Policy No.:</b> 15-01
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<b>Policy Statement and Guidelines:</b>	
<p>County Map(s) will also identify the road construction, road rehabilitation, road paving and oiling treatment and gravelling projects.</p>	
<p><b>LEGEND:</b> <b>FUNDING SOURCE</b></p>	
Municipal Operation	= "MO"
Special Grant	= "SG"
Infrastructure	= "IN"
ICAP	= "IC"
New Deal	= "ND"

	<b>Date</b>	<b>Resolution Number</b>
<b>Approved</b>	<b>December 7, 2005</b>	# 144-05 - Page # 8060
<b>Amended</b>		# - Page #
<b>Amended</b>		



**Schedule "A"**

**2005 Road Projects - Completed**

<b>PAVING AND OIL TREATMENT</b>						
Project Name	Code	# Days	Length	Estimate Costs	Actual Cost	Funding
Rd. 124 N of Hwy 28	P511	Delay	4 miles	60,000.00	78,708.21	MO
Twp 602 ½ mile East of Rd. 124	P521	1	½ mile	18,000.00	25,000.00	MO
E of Sec. 855 to Rd. 172 on Twp 590	P513	3	1.5 miles	20,000.00	45,496.05	MO
W of Sec. 855 on Twp 594 between Rd. 173-174	P514	2	1 mile	35,000.00	67,949.02	MO
<b>TOTAL</b>				<b>\$ 133,000.00</b>	<b>\$ 217,153.28</b>	

<b>REHABILITATION</b>						
Project Name	Code	# Days	Length	Estimate Costs	Actual Cost	Funding
Rd. 131 between Twp 600-602	R2511		2 miles	18,750.00	26,073.72	MO
Rd. 594 between Rd. 175-180	R2545	1.5	1 mile	12,000.00	12,387.21	MO
W of Sec. 859 on Twp 584 to Rd. 143	R2522	4.5	4 miles	40,000.00	35,976.80	MO
Rd. 180 between Twp 594-600	R2555	1.5	1 mile	11,000.00	12,930.51	MO
Twp 594 between Rd. 174-175	R2524	2	1 mile	12,000.00	13,245.68	MO
Twp 592 between Rd. 173-174	R2553	2	1 mile	12,000.00	12,934.70	MO
Rd. 174 N of Twp 612		2	1 mile	10,000.00	12,348.40	MO
Twp. 592 between Rd. 195-200	R2515	2	1 mile	14,700.00	11,792.16	MO
<b>TOTAL</b>				<b>\$ 130,450.00</b>	<b>\$ 137,689.18</b>	

<b>CONSTRUCTION</b>						
Project Name	Code	# Days	Length	Estimate Costs	Actual Cost	Funding
<b>TOTAL</b>				<b>\$</b>		

<b>GRAVELLING</b>						
Project Name	Code	# Days	Length	Estimate Costs	Actual Cost	Funding
22,500 yards	G516			225,000.00	254,086.80	MO
<b>TOTAL</b>				<b>\$ 225,000.00</b>	<b>\$ 254,086.80</b>	



## Schedule "A" 2006 Road Projects

PAVING AND OIL TREATMENT						
Project Name	Code	# Days	Length	Estimate Costs	Actual Cost	Funding
Twp 594 between Rd. 195-194	P515	1	1 mile	55,000.00		
Twp 584 between Rd. 181-182	P613	2	1 mile	67,000.00		
Birchland Development and Side Streets		2	1 mile	370,000.00		
Village of Warspite		14		250,000.00		
Rd. 174 between Twp 612-613	P614	3	1.5 miles	83,000.00		
Twp 594 between Rd. 175-180	P625	1	1 mile	60,000.00		
Twp 594 between Rd. 174-175	P645	1	1 mile	60,000.00		
Rd. 162 S of Hwy 28 to Twp 592	P623	2	1.5 miles	120,000.00		
Bonnie Lake	P611	4	2 miles	140,000.00		
<b>TOTAL</b>				<b>\$ 1,205,000.00</b>	<b>\$</b>	

REHABILITATION						
Project Name	Code	# Days	Length	Estimate Costs	Actual Cost	Funding
Twp 602 East Highway 36 to Rge 141 (buggy work)	R2611	4	2 miles	35,000.00		
Rd. 131 between Twp 594-610	R2621	5	4 miles	63,500.00		
Twp 584 between Rd. 143-151	R2612	6	4 miles	60,000.00		
S of Hwy 28 on Rd. 153 to Twp 591 (Amendment)	R2622	6	3.5 miles	83,250.00		
Rd. 131 south of Hwy 28 to Twp 590 – (Amendment)	R2632	7	4.5 miles	75,000.00		
Rd. 184 between Twp 584-590	R2613	3	2 miles	30,000.00		
Rd. 183 between Twp 590-592	R2623	4	1.5 miles	22,050.00		
Twp 592 between Rd. 171-173	R2633	3	2 miles	30,000.00		
Rd. 155 between Twp 601A-610	R2614	6	4 miles	85,000.00		
Rd. 153 between Twp. 600 – 601A	R2624	2	1 mile	19,000.00		
Twp 602 between Rd. 151-152	R2634	2	1 mile	17,000.00		
Twp 600 between Rd. 180-181	R2615	2	1 mile	14,700.00		
Rd. 180 between Twp 594-600	R2625	2	1 mile	14,700.00		
Twp 600 between Rd. 181-183	R2635	3	2 miles	30,000.00		
Rd. 183 between Twp 600-602	R2645	3	2 miles	30,000.00		
<b>TOTAL</b>				<b>\$ 609,200.00</b>	<b>\$</b>	

CONSTRUCTION						
Project Name	Code	# Days	Length	Estimate Costs	Actual Cost	Funding
Rd. 122 S of hwy 28 – Saddle Lake	C2611		4.5 miles	670,000.00		
Rd. 130 N of Hwy 28 – Goodfish	C2621		8 ¾ miles	6,642,000.00		
Resource Road - White Earth Pit	C2615		6 miles	1,728,000.00		
<b>TOTAL</b>				<b>\$ 9,040,000.00</b>	<b>\$</b>	

GRAVELLING						
Project Name	Code	# Days	Length	Estimate Costs	Actual Cost	Funding
2006 – 30,000 YARDS	G616			360,000.00		
<b>TOTAL</b>				<b>\$ 360,000.00</b>		



**Schedule "A"**  
**2006 Road Projects**  
***Continued***

**Calculation of 2006 year: Project(s) Workdays:**

Project days: May to October 2006

6 months x 20 days = 120 days

■ *Less 20 days: weather and 20 days: moves/breakdowns*  
*Equals 80 days*

For year 2006 less: *Hamlet of Warspite: 14 days*  
*Birchland Resort: 2 days*

*Equals: 64 days divided by 5 divisions or **13 days per division***

**Gravel:**

30,000 yards to be distributed among all divisions  
 Cost increase to \$12.00 per yard *due to increase in fuel costs.*

**Paving Oil / Treatment:**

- ⌘ Oil capped at **\$.27 cents** per litre maximum
- ⌘ Consider two miles per division

**Grants Available for 2006:**

⌘	<b>Alberta Municipal Infrastructure Program: 2005</b>	=	<b>\$ 526,665.00</b>
⌘	<b>Alberta Municipal Infrastructure Program: 2006</b>	=	<b>\$ 526,665.00</b>
⌘	<b>New Deal for Cities and Communities</b>	=	<b>\$ 50,209.00</b>
⌘	<b>Regular Road and Supplemental</b>	=	<b>\$ 442,517.00</b>



## 2007 Road Projects – Schedule “A”

PAVING AND OIL TREATMENT						
Project Name	Code	# Days	Length	Estimate Costs	Actual Cost	Funding
Rd. 143 S of Hwy 28 between Twp 590-594	P612	5	4 miles	180,000.00		
Mons Lake Development		5	3 miles	120,000.00		
Rd. 180 between Twp 594-600	P635	3	2 miles	120,000.00		
<b>TOTAL</b>				<b>\$ 420,000.00</b>	<b>\$</b>	

REHABILITATION						
Project Name	Code	# Days	Length	Estimate Costs	Actual Cost	Funding
S of Hwy 28 on Rd. 143 to Twp 590	R2512	6	4 miles	58,800.00		
Twp 620 between Rd. 143-133	R2521	8	6 miles	84,000.00		
S of Sec. 652 on Rd. 135 to Twp 574	R2612	3	2 miles	30,000.00		
Rd. 144 between Twp 584-590	R2632	3	2 miles	30,000.00		
Rd. 133 S of Hwy 28 to Twp 592 – Amendment	R2652	3	2 miles	46,000.00		
Rd. 193 between Twp 594-600	R2635	3	2 miles	30,000.00		
Rd. 193 between Twp 590-592	R2645	3	2 miles	30,000.00		
Twp 590 between Rd. 191-193	R2655	3	2 miles	30,000.00		
Twp 610 between Sec Hwy 855 and Rd. 181	R2665	6	4 miles	60,000.00		
Rd. 181 between Twp 604-610	R2675	3	2 miles	30,000.00		
Twp 620 between Rd. 143-133	R2721	8	6 miles	84,000.00		
Twp 610 between Rd. 131-132	R2731	2	1 mile	16,000.00		
Rd. 174 between Twp 592-594	R2743	1	½ mile	7,350.00		
Rd. 172 between Twp 584-590	R2723	3	2 miles	30,000.00		
Rd. 172 between Twp 590-594	R2733	4	2.5 miles	36,750.00		
Twp 600 between Rd. 152-153	R2714	2	1 mile	17,000.00		
Twp 602 between Rd. 153-155	R2724	3	2 miles	30,000.00		
Rd. 155 between Twp 600-602	R2744	2	1.5 miles	25,725.00		
Rd. 193 between Twp 592-594	R2725	3	1.5 miles	22,050.00		
Rd. 192 between Twp 592-594	R2735	3	1.5 miles	22,050.00		
Rd. 181 between Twp 600-602	R2775	2	1 mile	14,700.00		
Rd. 182 between Twp 600-602	R2785	1	½ mile	7,350.00		
Twp 584 between Rd. 151-154	R2712	5	3 miles	39,000.00		
Twp 614 between Rd. 132-133	R2711	1	1 mile	14,000.00		
Rd. 133 between Twp 614-620	R2721	3	2 miles	28,000.00		
Rd. 174 between Twp 590-592	R2713	3	2 miles	28,000.00		
Twp 600 between Rd. 185-194	R2715	6	5 miles	84,000.00		
Rd. 183 between Twp 602-604	R2725	3	2 miles	28,000.00		
Rd. 160 between Twp 592-600	R2714	3	2 miles	36,000.00		
Rd. 154 between Twp 584-590	R2722	3	2 miles	28,000.00		
Rd. 132 between Twp 610-614	R2731	5	4 miles	56,000.00		
Rd. 184 between Twp 590-592	R2735	3	2 miles	28,000.00		
Rd. 161 between Twp 592-600	R2724	3	2.5 miles	34,000.00		
Rd. 153 between Twp 590-591	R2732	2	1 mile	14,000.00		
Rd. 182 between Twp 590-592	R2723	3	2 miles	28,000.00		
Twp 600 between Rd. 155-161	R2745	3	2 miles	28,000.00		
<b>TOTAL</b>				<b>\$ 1,214,775.00</b>	<b>\$</b>	

CONSTRUCTION						
Project Name	Code	# Days	Length	Estimate Costs	Actual Cost	Funding
<b>TOTAL</b>				<b>\$</b>	<b>\$</b>	

GRAVELLING						
Project Name	Code	# Days	Length	Estimate Costs	Actual Cost	Funding
	G700					
<b>TOTAL</b>				<b>\$</b>	<b>\$</b>	



## Schedule "A" 2008 Road Projects

PAVING AND OIL TREATMENT						
Project Name	Code	# Days	Length	Estimate Costs	Actual Cost	Funding
<b>TOTAL</b>				\$	\$	

REHABILITATION						
Project Name	Code	# Days	Length	Estimate Costs	Actual Cost	Funding
Twp 600 between Rd. 130-131	R2811		1 mile			
Rd. 171 between Twp 590-592	R2813		2 miles			
Twp 602 between Rd. 130-131	R2821		1 mile			
Rd. 183 between Twp 492-594	R2815		1.5 miles			
Rd. 190 between Twp 602-604	R2825		2 miles			
Twp 604 between Rd. 124-131	R2831		3 miles			
Twp 590 between Sec. 857 & Rd. 153	R2812		3 miles			
Rd. 172 between Twp 580-584	R2823		2.5 miles			
Twp 610 between Rd. 130-131	R2841		1 mile			
Rd. 163 between Twp 600-604	R2814		4 miles			
Rd. 131 between Twp 590 & Hwy 28	R2822		4.5 miles			
Twp 602 between Rd. 191-194	R2835		3 miles			
Twp 604 between Rd. 155-163	R2824		4 miles			
Twp 584 between Rd. 170-173	R2833		3 miles			
Rd. 153 between Twp 580-584	R2832		4 miles			
Rd. 170 between Twp 584-590	R2843		½ mile			
Twp 602 between Rd. 131-132	R2851		1 mile			
<b>TOTAL</b>				\$	\$	

CONSTRUCTION						
Project Name	Code	# Days	Length	Estimate Costs	Actual Cost	Funding
	G800					
<b>TOTAL</b>				\$	\$	

GRAVELLING						
Project Name	Code	# Days	Length	Estimate Costs	Actual Cost	Funding
<b>TOTAL</b>				\$	\$	

