

Road Cost Summary	cost/mi/yr
Overall road average	\$ 6,172
Gravel road average	\$ 6,171
Paved road average	\$ 6,173

Grant Road Maintenance Expense Comparison between Gravel and Paved Roads

The resulting summary is highlighted in yellow on the left. The details are below.

	2004			2005			2006			2007			2008		
	Total	Gravel	Paved	Total	Gravel	Paved	Total	Gravel	Paved	Total	Gravel	Paved	Total	Gravel	Paved
Miles Maintained *	61.24	33.14	28.10	63.55	32.91	30.64	63.55	32.45	31.10	63.55	31.62	31.93	63.55	31.16	32.39
% of total		54.11%	45.89%		51.79%	48.21%		51.06%	48.94%		49.76%	50.24%		49.03%	50.97%
Expenses **															
Grader Fuel	4,639	4,639		5,431	5,431										
Grader Maintenance	6,435	6,435		3,076	3,076		647	647		4,982	4,982		1,097	1,097	
Grader Rent	6,021	6,021		25	25										
Grader Storage	1,930	1,930		2,200	2,200										
Road Maint. Salaries	15,978	15,978		15,320	15,320										
Road Maint. Fica/med				1,106	1,106										
Road Maint. PERA	821	821		698	698										
Mowing expense				48	25	23	1,467	749	718	1,888	939	949	2,179	1,068	1,111
Equip. Rental	1,001	542	459	1,980	1,025	955	2,150	1,098	1,052						
Eng. Fees	8,006	4,332	3,674	17,096	8,853	8,243	6,968	3,558	3,410	33,887	16,861	17,026	14,078	6,903	7,175
Legal Fees	1,728	935	793	1,242	643	599	366	187	179	397	198	199	544	267	277
Publishing Costs				1,012	524	488	933	476	457	1,107	551	556	1,140	559	581
Misc. Road Expense	1,569	849	720				115	59	56				3,101	1,520	1,581
Garbage Removal	1,993	1,079	914	1,919	994	925	1,310	669	641	1,880	935	945	1,320	647	673
Gravel Road Maint				33,892	33,892								6,000	6,000	
Dust Control	2,836	2,836		13,892	13,892		16,368	16,368		23,693	23,693		46,160	46,160	
Road Shouldering	14,659		14,659	4,322		4,322							9,241		9,241
Road Potholes	17,104		17,104	21,473		21,473	24,248		24,248	32,876		32,876	34,368		34,368
Sign Replacement	4,535	2,454	914	921	477	444	4,087	2,087	2,000	1,362	678	684	4,868	2,387	2,481
Culverts	17,842	9,655	8,187	8,936	4,628	4,308	27,677	14,132	13,545	22,484	11,187	11,297	24,035	11,785	12,250
Other Rd. Maint.	865	468	397				14,844	7,580	7,264						
Gravel Costs	44,378	44,378		16,292	16,292		30,425	30,425		95,691	95,691		52,183	52,183	
Seal Coat/Crack fill	42,262		42,262	41,871		41,871	124,644		124,644	97,981		97,981	65,719		65,719
Snow/Ice Removal ***	48,353	11,629	36,724	50,924	11,061	39,863	53,340	21,869	31,471	89,159	35,387	56,259	64,633	25,045	39,588
Mobilization Fee ***	21,548	5,182	16,366	17,814	3,869	13,945	23,796	9,756	14,040	15,781	6,263	9,958	2,850	1,104	1,746
Brushing	6,779	3,668	3,111	2,530	1,310	1,220	9,771	4,989	4,782	14,959	7,443	7,516	25,037	12,276	12,761
Street Lights	494		494	547		547	707		707	148		148	139		139
Traffic Signal	206		206	408		408	130		130	959		959			
Paved Road Improv.				3,466		3,466							9,775		9,775
Grading Contractor							76,472	76,472		57,750	57,750		38,331	38,331	
Grader Bond Interest	6,222	6,222		7,009	7,009		5,615	5,615		4,206	4,206		2,800	2,800	
Grader depreciation	10,750	10,750		10,750	10,750		10,750	10,750		10,750	10,750		10,750	10,750	
Total Expenses		\$140,804	\$146,984		\$143,100	\$143,100		\$207,487	\$229,343		\$277,515	\$237,353		\$220,883	\$199,465
Miles of Road		33.14	28.10		32.91	30.64		32.45	31.10		31.62	31.93		31.16	32.39
Cost per Mile		\$ 4,249	\$ 5,231		\$ 4,348	\$ 4,670		\$ 6,394	\$ 7,374		\$ 8,777	\$ 7,434		\$ 7,089	\$ 6,158

* Road miles data are from the Grant Road Inventory. Mileage corrections occur as the inventory is verified and corrected.

* .37 miles of paved border roads are maintained entirely by others.

* 80th St paved +/- .23 difference 2004 to 2005. 102nd St/Ct paved +/- .46 difference 2005 to 2006. Ideal Ave paved +/- .83 difference 2006 to 2007. Jasmine Ave paved +/- .46 difference 2007 to 2008.

* The Co Rd 68 take back added 2.31 paved miles in 2005.

** Expense data from City of Grant audited actual expenses.

** Before 2004, financial records were not sufficiently detailed to determine what expenses were gravel or paved road expenses.

*** Snow and ice removal costs for paved roads are approximately 1.5 times the cost for gravel roads.

*** In 2004 & 2005 the grader operator plowed 1/2 of the gravel roads which were billed as grading expenses, reducing the gravel road portion of the contract snow removal costs by 1/2.