

Gravel Road Upgrade Review and Analysis
RROMAC
July 12, 2018

GRU (Gravel to Asphalt)

Count	Rank	Street ID	Sec	IRIS Road Name	Beg Location	End Location	FC	Beg MP	End MP	L.Mi.	Length	Width	Area ft ²	Area yd ²	GRU cost	Seal Coat @ year 10	20 year subtotal	Difference vs gravel		
															(\$635k per mile)	(\$2.50 per sy)				
1	1	156500	20	Green Mountain Rd	End of pavement (n)	Pihl Rd	RC	0.939	5.369	4.43	23390	20	467800	51978	\$2,813,050	\$129,944	\$2,942,994	671%		
2	2	224100	10	Seghers Rd	Pvt drive (e/Hwy 47)	Old Hwy 47	RL	0	0.958	0.958	5058	16	80928	8992	\$608,330	\$22,480	\$630,810	833%		
3	3	157700	10	Hahn Rd	Mountaindale Rd	House #37280	RL	0	1.381	1.381	7292	18	131256	14584	\$876,935	\$36,460	\$913,395	601%		
4	4	132600	10	Corey Rd	Old Pumpkin Ridge Rd	Dairy Creek Rd	RL	0	3.257	3.257	17197	16	275152	30572	\$2,068,195	\$76,431	\$2,144,626	766%		
5	5	221000	10	Salzwedel Rd	Kerkman Rd	Begin pavement	RL	0	0.725	0.725	3828	18	68904	7656	\$460,375	\$19,140	\$479,515	1161%		
6	6	196600	10	Narup Rd	Killin Rd	Jack Rd	RL	0	0.86	0.86	4541	15	68115	7568	\$546,100	\$18,921	\$565,021	1130%		
7	7	192600	10	Milne Rd	Zion Church Rd	Vadis Rd	RL	0	1.808	1.808	9546	21	200466	22274	\$1,148,080	\$55,685	\$1,203,765	777%		
8	8	191100	10	Middleton Rd	Hwy 99	Labrousse Rd	RL	0	0.603	0.603	3184	15	47760	5307	\$382,905	\$13,267	\$396,172	1120%		
9	9	140000	10	Dierdorff Rd	Helvetia Rd	Groveland Rd	RL	0	0.529	0.529	2793	16	44688	4965	\$335,915	\$12,413	\$348,328	805%		
10	10	202500	40	Old Pumpkin Ridge Rd	Corey Rd	Pumpkin Ridge Rd	RL	1.491	2.74	1.249	6595	16	105520	11724	\$793,115	\$29,311	\$822,426	787%		
11	48	208200	30	Pihl Rd	End of pavement	Green Mountain Rd	RL	2.454	4.413	1.959	10344	18	186192	20688	\$1,243,965	\$51,720	\$1,295,685	537%		
subtotal																				
average																				
average																		\$11,742,738	\$1,067,522	835%

Gravel Maintenance (Activity Codes 208 and 209 - Gravel Road Maintenance and Gravel Road Aggregate)

Count	Rank	Street ID	Sec	IRIS Road Name	Beg Location	End Location	FC	Beg MP	End MP	L.Mi.	Length	Width	Area ft ²	Area yd ²	15 year total cost	Annual Cost	20 year subtotal	Difference vs GRU		
															\$	\$	\$			
1	1	156500	20	Green Mountain Rd	End of pavement (n)	Pihl Rd	RC	0.939	5.369	4.43	23390	20	467800	51978	\$ 328,859	\$ 21,923.93	\$ 438,479	15%		
2	2	224100	10	Seghers Rd	Pvt drive (e/Hwy 47)	Old Hwy 47	RL	0	0.958	0.958	5058	16	80928	8992	\$ 56,817	\$ 3,787.80	\$ 75,756	12%		
3	3	157700	10	Hahn Rd	Mountaindale Rd	House #37280	RL	0	1.381	1.381	7292	18	131256	14584	\$ 113,975	\$ 7,598.33	\$ 151,967	17%		
4	4	132600	10	Corey Rd	Old Pumpkin Ridge Rd	Dairy Creek Rd	RL	0	3.257	3.257	17197	16	275152	30572	\$ 209,951	\$ 13,996.73	\$ 279,935	13%		
5	5	221000	10	Salzwedel Rd	Kerkman Rd	Begin pavement	RL	0	0.725	0.725	3828	18	68904	7656	\$ 30,985	\$ 2,065.67	\$ 41,313	9%		
6	6	196600	10	Narup Rd	Killin Rd	Jack Rd	RL	0	0.86	0.86	4541	15	68115	7568	\$ 37,502	\$ 2,500.13	\$ 50,003	9%		
7	7	192600	10	Milne Rd	Zion Church Rd	Vadis Rd	RL	0	1.808	1.808	9546	21	200466	22274	\$ 116,133	\$ 7,742.20	\$ 154,844	13%		
8	8	191100	10	Middleton Rd	Hwy 99	Labrousse Rd	RL	0	0.603	0.603	3184	15	47760	5307	\$ 26,530	\$ 1,768.67	\$ 35,373	9%		
9	9	140000	10	Dierdorff Rd	Helvetia Rd	Groveland Rd	RL	0	0.529	0.529	2793	16	44688	4965	\$ 32,463	\$ 2,164.20	\$ 43,284	12%		
10	10	202500	40	Old Pumpkin Ridge Rd	Corey Rd	Pumpkin Ridge Rd	RL	1.491	2.74	1.249	6595	16	105520	11724	\$ 78,333	\$ 5,222.20	\$ 104,444	13%		
11	48	208200	30	Pihl Rd	End of pavement	Green Mountain Rd	RL	2.454	4.413	1.959	10344	18	186192	20688	\$ 181,083	\$ 12,072.20	\$ 241,444	19%		
subtotal																				
average																				
average																		\$ 1,616,841	\$ 146,986	14%

Note: The future values shown here are subject to change and intended to be used for illustrative purposes only.