

Melvin Farms

Anticipated Highway Tax Revenue VS Anticipated Roadway Cost of Ownership

(Life Cycle Cost Analysis)

Know Values

Miles of road in proposed development with assumed 50yr service life=	0.7525
Number of Homes in Proposed Development=	537
Average Assesed Value per Home=	NA
Estimated total assesed value	\$82,600,000
2025 mill & overlay cost per mile =	\$137,116
2025 Crack seal per mile =	\$8,496
Asphalt reconstruction cost in 2016 per mile =	\$337,092
2025 Snow Removal Cost per mile =	\$5,268

Assumptions

~~2025~~2017 Highway Tax Rate 1.2699/\$1000 @ 0% inflation annually
Estimated Total Assesed Value @ 0.5% inflation annually
Snow Removal Cost per mile @ 1% inflation annually
1.5" mill & overlay in year 15 & year 30 @ 1% inflation annually
Assume crack fill in year 5,10,20,25,35,40,45 @ 1% inflation annually
Asphalt Reconstruction Cost in 2075 per mile @ 1% inflation annually

Expenses (During 50 year service life of road)

1.5" Mill & Overlay in year 15 & year 30 =	\$258,859
Crack Seal year 5, 10, 20, 25, 35, 40, 45	\$54,838
Asphalt Reconstruction in year 50 =	\$417,180
Snow Removal 50 yr total cost =	\$262,063
Total Expenses =	\$992,940
Anticipated Revenue Over 50yr Service Life =	\$6,076,325
Net Cost of Ownership =	\$5,083,385