

**OAK TREE LANE (Community Formed)
PERMANENT ROAD DIVISION
REVENUE NEEDS**

1. Oak Tree Lane PRD will need to be resurfaced in approximately 10 years

a. Oak Tree Lane new surface in 10 years 0.34 mi (36,750 sf including mailbox turnout)

sqft of road surface		sy of road surface				
36,750		4,083				
	coverage rate	rate units	#s per gal oil	total tonnage	2016 unit price	Estimated total cost
Asphaltic Emulsion	0.30	gal/sqyd	8.33	5.10	740	\$ 3,775
screening	26.0	#/sqyd		53.08	28	\$ 1,486
fog seal	0.08	gal/sqyd	8.33	1.36	650	\$ 884
sand cover	3.2	#/sqyd		6.53	23	\$ 150
Total						\$ 6,295

Annual rate \$629.50
Price per parcel - 11 parcels 57

Use	\$ 60
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b. Happy Hollow Lane new surface in 10 years 0.27 mi (33,000 sf including cul-de-sac)

sqft of road surface		sy of road surface				
33000		3667				
	coverage rate	rate units	#s per gal oil	total tonnage	2016 unit price	Estimated total cost
Asphaltic Emulsion	0.3	gal/sqyd	8.33	4.58	740	\$ 3,391
screening	26	#/sqyd		47.67	28	\$ 1,335
fog seal	0.08	gal/sqyd	8.33	1.22	650	\$ 794
sand cover	3.2	#/sqyd		5.87	23	\$ 135
Total						\$ 5,655

Annual rate \$ 566
Price per parcel - 7 parcels 81

Use	\$ 82
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2. Replace culverts

	Quantity	Length (ft)	Diameter (inches)	Unit Cost	Time prior to Replacement (years)	Cost/year
Culverts	2	36	18	\$60.00	50	\$86.40
	1	32	18	\$60.00	10	\$192.00
	1	32	12	\$60.00	10	\$192.00
	1	32	8	\$60.00	10	\$192.00

Total Cost per year \$ 662

b. Annual cost per parcel - 11 parcels

Use	\$ 60
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3. Annual maintenance fees from now until the roads are resurfaced are as follows:

a.	Patching		\$	400
b.	Grading of shoulders & ditches, weed removal		\$	200
c.	Snow removal, use \$2,382/mile/yr	Therefore \$2,382x0.00miles =	\$	-
d.	Administration, Overhead & Liability Insurance		\$	600
e.	Total annual cost for maintenance		\$	1,200
f.	Total annual cost for maintenance per parcel - 11 parcels		\$	109

PROPOSED FEES

Total annual cost, Oak Tree Lane parcels: (1a) + (2b) + (3f)

	\$	229
Use	\$	230

Total annual cost, Happy Hollow Lane parcels: (1a) + (1b) + (2b) + (3f)

	\$	311
Use	\$	312

- * Parcel Charge will go up annual with the Engineering News and Review Construction Cost Index, and will continue to do so per the agreement for five years.