

**OAK TREE LANE (Community Formed)  
PERMANENT ROAD DIVISION  
REVENUE NEEDS - CHIP SEAL IN 2 YEARS**

1. Oak Tree Lane PRD will need to be resurfaced in approximately 2 years

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

sqft of road surface	36,750	sy of road surface	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	
					<u>Total</u>	<u>\$ 6,295</u>	
Annual rate							\$3,147.50
Price per parcel - 11 parcels							286
						<b>Use</b>	<b>\$ 290</b>

b. Happy Hollow Lane new surface in 2 years 0.27 mi (33,000 sf including cul-de-sac)

sqft 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	
					<u>Total</u>	<u>\$ 5,655</u>	
Annual rate							\$ 2,828
Price per parcel - 7 parcels							\$ 404
						<b>Use</b>	<b>\$ 410</b>

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
Annual cost per parcel - 11 parcels						\$ 60
						Use \$ 60

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)

	\$	459
Use	\$	460

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

	\$	869
Use	\$	870

- \* 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.