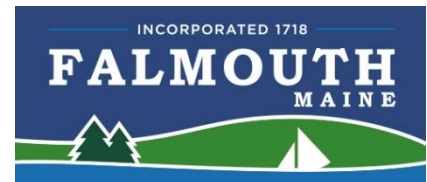


Town of Falmouth
Public Works Department
101 Woods Road
Falmouth, ME 04105



Date: October 19, 2020
To: Nathan Poore, Town Manager
From: Justin Early, Town Engineer
Re: Street Maintenance Costs

Below is a summary that approximates average annual costs relating to road maintenance and street acceptance. Please note, these costs are based on an average annual expenditure for all Town maintained roads. The actual cost for a specific road will vary based on the street classification and the level of service required to maintain that road. For example, a heavier traveled collector road with more drainage infrastructure will cost more to maintain than a local minor road with less drainage infrastructure. On average, a collector road will need to be paved every 10-12 years, while a minor local road will need to be paved every 20-25 years.

I also have included some statistical information regarding recently accepted streets (2009-present), as well as a list of streets that have indicated interest in applying for acceptance in the future. Please contact me if any additional information needs to be provided.

- ***Average Cost to Maintain Roads***

Looking at the costs at a conceptual level, this analysis uses the Public Works “streets and right-of-ways” operating budget, along with associated capital purchases. The calculation is as follows:

Operating Expenses (FY'20)=	\$1,758,806
Capital: Vehicle Expenses Annual Average (FY'19-29) =	\$ 195,596
Capital: Bldg./Equipment Expenses Annual Avg. (FY'19-29) =	\$ 37,400
Capital: 'Streets' Expenses Annual Avg. (FY'19-29) =	\$ 244,033
TIF District: Ocean View/Summit Natural Gas (FY19-29) =	\$ 493,636
Total Average Annual Expenses =	\$2,729,471/yr.

Total Miles of Road Maintained by The Town=	93 Miles
Cost per Mile of Road=	\$ 29,349/mile

- ***Road Miles and Plow Routes***

As requested, the Town's Road miles as it relates to plow routes is as follows:

Total Miles of Road Plowed by the Town =	93 Miles
Total Plow Routes =	9 Routes
Average Road Miles per Plow Route =	10.33 Miles/Route

- **Historical and Future Street Acceptance Data**

The following table shows streets that have been recently accepted since the street acceptance moratorium was lifted in 2009:

Name	Location	Length (feet)	Length (mile)
Brookfield Road	Off Brook Road	640	0.12
Farm Gate Road	off Lunt/Clearwater	2,544	0.48
Mussell Cove Lane	off Foreside	985	0.19
Arbor Side Drive	off Johnson	1,575	0.30
Wisteria Cir.	off Arborside	640	0.12
Ledge Rock Circle	off Arborside	410	0.08
Red Oak Drive	off Blackstrap	1,800	0.34
Spoondrift Rd.	off Babbidge	1,473	0.28
Sherman Drive	off Longwoods	1,472	0.28
Garden Way	Off Ledge Wood	792	0.15
	Totals	12,331	2.34

The following table shows streets that have expressed interest in applying for street acceptance along with streets that currently have an active application under review (highlighted):

Name	Location	Length (feet)	Length (mile)
Davis Farm Rd.	off Blackstrap	770	0.15
Stone Ridge Rd.	off Blackstrap	2,246	0.43
Hilltop Trail	off Stone Ridge	315	0.06
Rogers Trail	off Stone Ridge	1,029	0.19
Marigold Lane	off Farm Gate	1,455	0.28
Heron Point Road	off Marigold	850	0.16
Willow Ln/Waterview Way	off Clearwater	380	0.07
Cavendish Rd.	off Winn	1,492	0.28
Killarney Way	off Paddock Way	619	0.12
Paddock Way	off Winn	1,952	0.37
Salty Dog Way	off Middle	1,093	0.21
Fieldstone Lane	off Woodville	2,740	0.52
Seaside Way	off Underwood	550	0.10
Cleaves Farm Road*	off Pleasant Hill	1,135	0.21
Maple St.	off Cleaves Farm	995	0.19
Trolley Farm Lane	off Hurricane	2,736	0.52
Alpine Drive	off Woodville	1,731	0.33
Sylvan Drive	off Alpine	720	0.14
Preservation Drive	off Foreside	1,730	0.33
South Ridge Road	off Blackstrap	2,497	0.47
Oxford Woods Drive	off Babbidge	2,944	0.56
Watts Farm Way	off Field Rd	911	0.17
Palmer Road	off Field Rd	486	0.09
Twin Meadows Lane	off Woodville	1,813	0.34
Pride Farm Road	off Mast Road	2,628	0.50
	Totals	36,609	6.93

Application active/pending (2.0 miles)