



KEEP
Highland Lake
CLEAN & HEALTHY

Check out Maine DEP's Gravel Road Maintenance Manual for more information:
<https://bit.ly/3ip91Bb>

Annual Private Road Maintenance

Task	Benefit	Freq.	Cost Range	Cost Avoidance
Grading	Allows water to quickly and naturally drain to the ditch.	1-3 years	\$19-28/100 ft.	Ditching Material
Surfacing	Builds up the road base and/or restores the crown of the road.	3-4 years	\$100-600/100 ft. as needed	Potholes
Applying Calcium Chloride	Prevents nuisance dust and reduces material loss.	2-3 years	\$275/100 ft.	Material
Re-ditching	Increases the ability to move and drain water by removing leaves, silt, or other debris.	8-15 years	\$200-300/100 ft. as needed	Grading Material
Maintaining Culverts	Allows more water to flow through the structure and off the road surface.	Spring & Fall	Volunteer Labor	Material
Maintaining Shoulders	Removes berms that prevent water from leaving the road and reaching the ditch.	Spring	Volunteer Labor	Grading Material
Fixing Potholes	Protects vehicles and avoids more costly road repairs.	Spring & Fall	Volunteer Labor & Material	Paving Grading Sealing
Tree Trimming	Prevents frost damage due to shade and root expansion.	2-4 years	Volunteer Labor	Paving Grading Sealing
Cleaning Settling Basins and Turnouts	Prevents water from backing up or causing further erosion.	Spring	Volunteer Labor \$200 as needed	Material



DID YOU KNOW?

\$1 spent in regular maintenance is estimated to save \$15 in capital repairs.

Annual Private Road Maintenance

But what does it cost for MY road?

Access the Road Calculator using this QR code OR visit:
<https://rebrand.ly/roadcalculator>



Use the Road Calculator!

Planning and budgeting are important aspects of private road maintenance. Planning can prevent problems and save money in the long-term and budgeting can ensure that money is available to perform maintenance and repair work when needed, before small problems turn into large, expensive ones. Creating a phased plan can also make larger projects more manageable.

The **Road Calculator** allows you to take quotes and determine annual/yearly costs for each maintenance activity to determine how much each road association member should contribute.



Private Roads Maintenance Budget Calculator

*It is recommended that you request multiple bids to ensure accurate pricing and budget implications.

Grading (without adding material):

$$(\text{cost/mile}) \times \text{road mileage} = \text{annual cost}$$

Surfacing:

Note: 0.015 yards represents an average loss of 1/4 inch of road surface per year due to use. If you think your road is losing 1/2 inch of surface material per year, double the figure to 0.03

$$\text{road length} \times (\text{number of yards of gravel lost per year, per foot of road length}) \times \text{cost per yard of gravel} = \text{annual cost}$$

Ditch Maintenance

$$[(\text{time estimated by contractor to clean out ditches}) \times (\text{cost/time})] \div (\text{how often it needs to be done}) = \text{annual cost}$$

Culvert Installation / Replacement:

Metal = +/- 25 years Plastic (HDPE) = >25 years Concrete = +/- 50 years

$$[(\text{number of culverts} \times \text{cost}) + (\text{installation in road sub base})] \div \text{expected life span of culvert} = \text{annual cost}$$

Capital Improvements (Wish List):

$$(\text{estimated cost of improvements today}) \times 1.04 \div \text{\# of years to reach goal} = \text{annual cost}$$

HIGHLAND LAKE ASSOCIATION



www.highlandlakemaine.org