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## Costs of Roads

- Hidden costs

## Life Cycle Costs

$$$/Yr = \Sigma \frac{\$new}{Life} * Numberofitems$$

- Annualized
- Cyclic replacement
- Road plan

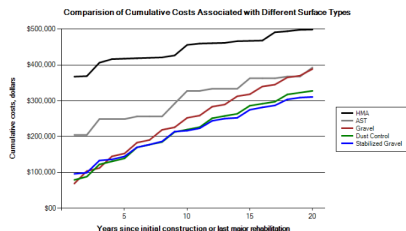
## ND Local Roads Surface Selection Tool

<https://dotsc.ugpti.ndsu.nodak.edu/SurfaceSelection/>



Agency Cost Short Summary - Per Mile

Surface Type	HMA	AST	Gravel	Dust Control	Stabilized Gravel
Total Initial Cost	\$ 372,615	\$ 204,564	\$ 63,386	\$ 69,386	\$ 89,386
Total Maintenance Cost	\$ 126,200	\$ 188,099	\$ 325,348	\$ 258,175	\$ 221,219
Total Salvage Value	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Total Agency Cost	\$ 498,815	\$ 392,663	\$ 388,734	\$ 327,561	\$ 310,605



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## Resources:

ND LTAP Center

<https://www.ndltap.org/>

NYS LTAP Center - Cornell Local Roads Program

[www.clrp.cornell.edu](http://www.clrp.cornell.edu)

*Running Your Highway Department Management*, Administration and Operations, CLRP 16-01, Cornell Local Roads Program, 2016, <https://cornell.box.com/clrp-ws-ryhd>

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