

# Pavement Preservation



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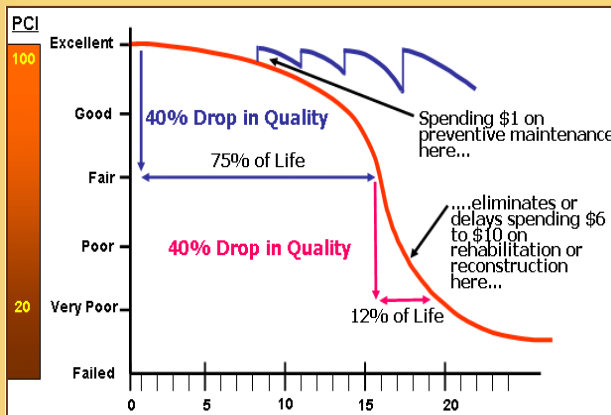
Pavement preservation is a program employing a network level, long-term strategy that enhances pavement performance by using an integrated, cost-effective set of practices that extend pavement life, improve safety, and meet motorist expectations.

Your municipality has selected the following pavement preservation strategy for your roadway:

- A seal coat which is an application of asphalt emulsion and aggregate.
- A slurry seal which is a mixture of asphalt emulsion, aggregate, and water.
- A micro surfacing which is a mixture of asphalt emulsion, aggregate, and water.



By utilizing this method of preservation, your municipality has migrated away from the “worst first” approach where funds are only allocated to roads that have reached the end of their service life. This method of pavement management has proven to be unsustainable as adequate funding does not exist to



support the program. By implementing preservation, your municipality has dedicated funds to keep your road in a better condition for a longer period of time and save money by investing in your roadway early in its life rather than waiting until later when pavement maintenance costs significantly increase.

Preservation treatments are thin layers that seal the pavement surface and prevent water ingress into the road base thereby reducing deterioration. Upon clean up of loose aggregate from construction, the completed

surface offers a better ride quality and a coarser texture, providing a safe wearing surface for a projected 4-8 year span. Although an increase in road noise is expected immediately after construction, this noise will decrease after the first winter. As these treatments are much quicker and use significantly less materials than traditional alternatives, pavement preservation processes are environmentally friendly.

Some Ontario jurisdictions using some or all of these treatments include: County of Haliburton, County of Lanark, City of Ottawa, and Town of Markham.

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