

Placement: Economic | Trees

MUNICIPALITIES SAVE MONEY ON ROAD REPAIRS

Planting trees along paved urban roads create shade to help reduce ground-level temperatures and increase asphalt longevity. When asphalt gets heated by the sun over longer periods of time, especially under high Canadian summer temperatures, it tends to break down faster requiring more frequent maintenance.

Trees provide an important cooling effect ensuring that streets remain in better condition longer, saving the community on maintenance costs. Plus, they provide the added benefit of shade over pedestrian walkways.

Plants Love You™ by reducing the tax burden.

Resources:

McPherson, E.G. and J. Muchnick. 2005. Effects of street tree shade on asphalt concrete pavement performance. *J. Arboriculture* 31:303-310.

Nowak, D.J. and D.E. Crane. 2002. Carbon storage and sequestration by urban trees in the USA. *Environmental Pollution* 116:381-389.

Charles R. Hall, Madeline W. Dickson. 2011. Economic, Environmental, and Health/Well-Being Benefits Associated with Green Industry Products and Services: A Review.