

2022 Budget Information Paper

Name of Department *

Roads

Budget *

- Capital (included in capital Forecast, over \$5,000) Maintenance (On existing items) New (new item not replacing an existing item) Operating (not part of Capital Forecast) Replacement (replacing an existing item in it's entirety) Refurbish (repair to extend the life of the item)

Please enter a date *

October 4, 2021

Item *

Jeff Road/Clydesdale Road Micro-surface

Account # *

10-06-0600-5540

Account Name *

Capital Construction

Category *

Capital- New Construction

Subject: *

2022 Micro-surface

Author: *

Jeff Waldon

Recommendation: *

That Council includes funds within the Capital construction budget to complete a micro-surface over the existing asphalt surface on Jeff Road and Clydesdale Road for 4 kilometers from Highway 28 to County Road 620.

Background: *

Hot mix asphalt paved roads have a life expectancy of 15-20 years, this is depending on asphalt thickness, traffic, sub-base and climate. It is imperative to monitor the surface condition of asphalt roads surfaces and maintenance them as required when signs of deterioration become obvious. There is a few ways to maintenance an asphalt surface either by milling off 25mm and repaving with a new surface layer, or in the event of a thinner asphalt application where milling isn't an option, a micro-surface can be applied.

Microsurfacing is a 2 stage process where a "scratch coat" is applied as a first step, followed by the top finished surface. Micro-surfacing is a very hard maintenance lift that will extend the useful life of the road surface.

Analysis: *

Upon review of the hot mix asphalt road surfaces within the Township, Jeff Road and Clydesdale Road are starting to show obvious signs of deterioration with some surface cracks, edge breaking and aggregate loss. The road surface is 8 years old, at this point in the maintenance there is no need for heavy patching or crack sealing. If left, preparation costs prior to micro-surfacing increase.

Financial Implications:**Dollar Amount ***

\$238,000.00

How does it affect your budget *

Increase in Expenses Over Previous Year Budget for this item

How will it be funded? *

Other

Details if Other:

\$153000,000 Gas Tax, \$66,000 Annual OCIF, \$19,000 2022 OMPF