

Request for Recommendation



Finance and Administration Committee



Type of Decision							
Meeting Date	February 2, 2016			Report Date	January 25, 2016		
Decision Requested		Yes	X	No	Priority	X	High
	Direction Only				Type of Meeting	X	Open
							Closed

Report Title
Municipal Road 4 Construction Costs

Budget Impact/Policy Implication	Recommendation
<div style="border: 1px solid black; padding: 5px;"> <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; width: 20px; height: 20px; margin-right: 5px; text-align: center; line-height: 20px;">X</div> <div> This report has been reviewed by the Finance Division and the funding source has been identified. </div> </div> </div>	FOR INFORMATION ONLY
Background Attached	Recommendation Continued
Recommended by the Department	Recommended by the C.A.O.
<div style="text-align: center;"> Tony Cecutti General Manager of Infrastructure Services </div>	<div style="text-align: center;"> Kevin Fowke Interim Chief Administrative Officer </div>

Report Prepared By	Division Review
 Stephen Holmes Roads Engineer	 David Shelsted Director of Roads and Transportation Services

BACKGROUND

A report on the costs of repairing MR4 was requested at the January 19th Finance and Administration Committee meeting.

Various rehabilitation alternatives for MR4 from C. Johnson Road to Wickie Road have been reviewed and estimates are provided in the tables indicated below.

Option 1 – Reconstruct: Widen with full depth granular and asphalt.

From	To	Length (m)	Estimated Construction Cost
C. Johnson Rd	Spanish River Rd	900	\$ 1,430,000
Spanish River Rd	Chicago Mine Rd	5,800	\$ 9,220,000
Chicago Mine Rd	Wickie Rd	2,300	\$ 3,660,000
Total		9,000	\$ 14,310,000

Option 2 – Pulverize: Widen and provide full depth asphalt.

From	To	Length (m)	Estimated Construction Cost
C. Johnson Rd	Spanish River Rd	900	\$ 1,050,000
Spanish River Rd	Chicago Mine Rd	5,800	\$ 6,730,000
Chicago Mine Rd	Wickie Rd	2,300	\$ 2,670,000
Total		9,000	\$ 10,450,000

Option 3 – Gravel: Widen the existing platform, build up with 600mm gravel.

From	To	Length (m)	Estimated Construction Cost
C. Johnson Rd	Spanish River Rd	900	\$ 360,000
Spanish River Rd	Chicago Mine Rd	5,800	\$ 2,320,000
Chicago Mine Rd	Wickie Rd	2,300	\$ 920,000
Total		9,000	\$ 3,600,000

Option 4 – Surface Treatment: Pulverize existing platform and install surface treatment.

From	To	Length (m)	Estimated Construction Cost
C. Johnson Rd	Spanish River Rd	900	\$ 90,000
Spanish River Rd	Chicago Mine Rd	5,800	\$ 580,000
Chicago Mine Rd	Wickie Rd	2,300	\$ 230,000
Total		9,000	\$ 900,000

Property acquisition may be required in some of the widening options. This cost is not included in the above estimates.

The road treatment options indicated above have varying maintenance costs and life cycles. The composition of traffic on this section of MR 4 is changing as a large aggregate resource property is being developed, increasing the truck traffic. In addition, there is a location where water rises to the road surface, and occasionally above, that should be addressed if there were a significant investment into this section of MR 4. The City is currently working with the developer of the aggregate resource and will soon be able to determine the future traffic volume. When this data is received, Staff will be able to make a recommendation on the preferred option for rehabilitating this section of MR 4.