



REPORT TO MAYOR AND COUNCIL

PRESENTED: JANUARY 14, 2019 - REGULAR AFTERNOON MEETING
FROM: ENGINEERING DIVISION
SUBJECT: 2019 BUDGET PRE-APPROVAL REQUEST FOR
 TRANSPORTATION IMPROVEMENT PROJECTS

REPORT: 19-03
FILE: 5330-23-091 / 5330-23-112

RECOMMENDATION(S):

That Council pre-approve the following transportation improvement projects as part of the 2019 Capital Budget:

- Intersection improvements at 216 Street and Glover Road in the amount of \$1,000,000
- Intersection improvements at 64 Avenue at 232 Street in the amount of \$550,000

EXECUTIVE SUMMARY:

Intersection improvements are required at the two referenced intersections in order to improve public safety and facilitate enhanced traffic movement based on current requirements and anticipated future conditions. The request for pre-approval is necessitated by timelines associated with external funding opportunities; the need to complete intersection improvements at 216 Street and Glover Road concurrent with the opening of the interchange at Highway 1 at 216 Street; and meeting contractual requirements with respect to intersection improvements at 64 Avenue and 232 Street.

Improvements at the 216 Street and Glover Road (Highway 10) intersection are needed to improve public safety and facilitate traffic movements in anticipation of the opening of the 216 Street Interchange, currently anticipated in fall 2019. Glover Road is currently a provincial highway under the jurisdiction of the Ministry of Transportation and Infrastructure (MoTI). Accordingly, the Township has partnered with MoTI to provide 50% funding contribution, up to a maximum of \$1,000,000 towards the project. MoTI has advised that a tender for construction is anticipated in February of 2019, with total construction costs estimated at \$2,000,000. Funding for the project has been included in the 2019 budget for Council's consideration, proposed from Development Cost Charges (DCCs) at 43% (\$425,700) and Transportation operating budget at 57% (\$574,300).

Improvements at the intersection of 64 Avenue and 232 Street commenced in the summer of 2018 with construction of drainage and instream works during the fisheries window, to facilitate a planned roundabout. Following completion of these works, the project was tendered for construction in November of 2018 with the lowest bid of approximately \$1,750,000 exceeding the currently available budget of \$1,110,000. The Township has 60 days following the tender closure date of November 29, 2018 to award the contract. Funding for the project has been included in the 2019 budget for Council's consideration, with funding from DCC's with a mandatory 1% contribution from general revenue, proposed to be allocated from Capital Works Reserve accounts, and anticipating a \$100,000 grant from ICBC.

PURPOSE:

To request Council consideration of funding approval prior to the 2019 budget discussions to allow staff to proceed with construction of two time-sensitive transportation improvement projects.

BACKGROUND/HISTORY:

The Township has been working to implement transportation improvement projects to facilitate the anticipated traffic volumes resulting from the new 216 Street Interchange, currently under construction by the Ministry of Transportation and Infrastructure (MoTI), scheduled to be completed in fall 2019. These include improvements to the intersection of 216 Street and Glover Road (Highway 10), which is under provincial jurisdiction. Having said that, 216 Street, including the portion with the rail crossing, is under municipal jurisdiction, necessitating collaboration between the parties to implement improvements for overall public safety. As part of the 2018 Budget, Council approved a 50% cost share with MoTI for the design of the proposed intersection improvements.

Staff have also been working towards transportation improvements at the intersection of 64 Avenue and 232 Street with a proposed roundabout. Funding was included in the 2018 budget for the construction with in-stream works completed by the Township during the 2018 fisheries window.

DISCUSSION/ANALYSIS:

216 Street at Glover Road:

MoTI awarded the design of the intersection improvements at 216 Street and Glover Road to Parsons – Envision More, who have been undertaking the development of intersection options and detail design at the direction of MoTI in consultation with the Township. It is anticipated that a detail design will be completed and the project may be tendered for construction by February of 2019.

The current scope of work at the intersection includes upgrading the rail crossing to meet new Transportation Association of Canada (TAC) standards, lengthening of the eastbound left turn bay on Glover Road, and the installation of a traffic signal with pedestrian crossing that is interconnected to the rail crossing to improve traffic movements and safety at the intersection.

The project construction cost is estimated to be approximately \$2,000,000 with the Township to fund 50% of the cost up to a maximum of \$1,000,000. In order to ensure that the intersection is improved prior to the 216 Street Interchange being opened and to meet the proposed tender date by MoTI, staff are requesting that Council pre-approve \$1,000,000 towards this project as part of the 2019 budget utilizing 43% Development Cost Charge (DCC) and 57% Transportation Operating Contribution to Capital funding sources.

64 Avenue at 232 Street:

Following the completion of the instream works in the summer of 2018, staff continued to work with its consultant, ISL Engineering, to modify the design to reflect the works completed and to prepare the tender documents. The tender for construction was issued and closed on November 29, 2018 with a low bid of approximately \$1,750,000. The current balance in the project account is \$1,110,000 with an additional \$550,000 required in order to proceed to construction. As per the Township form of tender, there are 60 days following the tender close in which the Township must award the contract. In order to proceed to construction and complete the works at the intersection, staff are requesting that Council pre-approve \$550,000 with 99% from Development Cost Charge (DCC funds) and 1% from the Capital Works Reserve.

Financial Implications:

The table below identifies the proposed funding identified by staff for the completion of the projects for the consideration of pre-approval by Council.

Work Breakdown	Project Title	Funding Source(s)	Proposed Funding
RDS-1202	Intersection Improvements: 64 Avenue at 232 Street	DCC's Capital Works Reserve	\$544,500 5,500
RDS-1221	Intersection Improvements: 216 Street and Glover Road	DCC's Operating Contribution to Capital	425,700 574,300

Respectfully submitted,

Paul Cordeiro
MANAGER, TRANSPORTATION ENGINEERING
for
ENGINEERING DIVISION

This report has been prepared in consultation with the following listed departments.

CONCURRENCES	
Division / Department	Name
FINANCE DIVISION	K. Sinclair