

NO: R241

COUNCIL DATE: **DECEMBER 16, 2013**

REGULAR COUNCIL

TO: **Mayor & Council** DATE: **December 10, 2013**

FROM: **General Manager, Engineering** PROJECT FILE: **8630-20 (Hwy 99)**

SUBJECT: **Approval of Funding in support of the Construction of an Interchange at Highway 99 and 16 Avenue and Related Road Works**

RECOMMENDATIONS

The Engineering Department recommends that Council:

1. Approve a contribution by the City of \$7,630,000.00 including applicable taxes for the City's share of the costs of constructing the 16 Avenue overpass at Highway 99 and associated approach road works that are being constructed by the Ministry of Transportation and Infrastructure as part of the construction of a new interchange; and
2. Set the expenditure authorization limit at \$8 million including contingency and applicable taxes.

BACKGROUND

The City of Surrey has worked with the Ministry of Transportation & Infrastructure (MOTI) for several years toward achieving the construction of an interchange at the intersection of 16 Avenue and Highway 99. In early 2012, the Province agreed to partner with the City in the delivery of this project. As municipalities typically contribute where new interchanges are constructed at intersections of municipal arterial roads with Provincial highways, this was viewed as a great opportunity to augment the City's road system in support of continuing growth and development in South Surrey.

The interchange will provide an important connection between 16 Avenue and Highway 99 in support of on-going growth in South Surrey, cross-border travel and regional connectivity along 16 Avenue to Campbell Heights Industrial Area and beyond to Langley and Abbotsford. It will help to alleviate resident concerns about traffic volumes and congestion on 32 Avenue in proximity to the Highway 99/32 Avenue interchange.

SCOPE OF WORK

The works associated with this project include the construction of a 6-lane diamond interchange at the intersection of 16 Avenue and Highway 99 and the widening of 16 Avenue to a 4-lane cross-section along with a left turn lane, all as illustrated in Appendix I attached to this report. The project will also include sidewalks and cycling facilities. Significant environmental and sound

mitigation works will also be undertaken as part of the project given its proximity to red-coded creeks and residential properties.

The project is being implemented in two stages as follows:

- Stage 1: Construction of a new overpass structure on 16 Avenue over Highway 99; and
- Stage 2: Construction of ramp connections between 16 Avenue and Highway 99.

MOTI commenced work on the project in April 2013, and is expecting to complete it by late 2014.

Prior to the project commencing, MOTI representatives and City representatives agreed on an approach to share the costs of the project based on the relative benefits of the project to each jurisdiction. The recommendation of this report is consistent with that agreement and is based on the contract pricing as referenced in the following section of this report.

TENDER RESULTS & EVALUATION

As the lead partner, MOTI's evaluation process was utilized in reviewing the tender submissions for each of the two stages. City staff also reviewed the tender submissions and provided feedback to the Ministry.

The contract for the Stage 1 works was awarded to the low bidder, Tybo Contracting Ltd., in the amount of \$7,970,620.47 (excluding GST). Tybo Contracting Ltd.'s past performance on similar work has been satisfactory.

The contract for the Stage 2 works was awarded to the low bidder, BD Hall Constructors Corp., in the amount of \$10,518,971.00 (excluding GST). BD Hall Constructors Corp.'s past performance on similar work has been satisfactory.

SUSTAINABILITY CONSIDERATIONS

The subject project will enhance the public realm by implementing street standards that minimize the negative impacts of transportation facilities on communities, while providing appropriate infrastructure in support of the City's transportation needs. In particular, the project supports the Sustainability Charter Scope action items related to:

- *SC11: Public Safe and Security;*
- *SC 13: Creating a Fully Accessible City;*
- *SC 18: Community Economic Development;*
- *EN1: Corporate Economic Development;*
- *EN 13: Enhancing the Public Realm; and*
- *EN15: Sustainable Transportation Choices.*

FUNDING

Funding in support of the recommendation of this report is available in the approved Capital budget.

CONCLUSION

Based on the above discussion, it is recommended that Council:

- Approve a contribution by the City of \$7,630,000.00 including applicable taxes for the City's share of the costs of constructing the 16 Avenue overpass at Highway 99 and associated approach road works that are being constructed by the Ministry of Transportation and Infrastructure as part of the construction of a new interchange; and
- Set the expenditure authorization limit at \$8 million including contingency and applicable taxes.

Vincent Lalonde, P.Eng.
General Manager, Engineering

JB/MD/brb

Attachment:

Appendix I: Diagram of Interchange and Related Road Works at the intersection of 16 Avenue and Highway 99

Diagram of Interchange and Related Road Works at the intersection of 16 Avenue and Highway 99

