



The Corporation of Delta
COUNCIL REPORT
Regular Meeting

F.05

To: **Mayor and Council**

File No.: **R17-106**

From: **Engineering Department**

Date: **April 12, 2017**

**72 Avenue (120 Street to BNSF Overpass) Roadway and Utility Improvements
Consultant Award**

The following report has been reviewed and endorsed by the Chief Administrative Officer.

▪ **RECOMMENDATIONS:**

- A. THAT a contract for 72 Avenue (120 Street to BNSF Overpass) roadway and utility improvements be awarded to Wedler Engineering LLP in the amount of \$131,602.80, including GST.
- B. THAT the Director of Finance and the Director of Engineering be authorized to execute the contract.

▪ **PURPOSE:**

The purpose of this report is to obtain Council approval to award a contract to Wedler Engineering LLP.

▪ **BACKGROUND:**

At the February 28, 2017 Special Meeting, Council approved the 2017 Financial Plan, which included funding for the 72 Avenue (120 Street to BNSF) Roadway and Utility Improvements project (Attachment A).

Council Policy:

Contract awards for \$50,000.00 or greater require Council approval.

▪ **DISCUSSION:**

This project involves the preliminary design for roadway and utility improvements along 72 Avenue between 120 Street to just west of the BNSF Overpass. The improvements include:

- Roadway widening to accommodate four through lanes with turning lanes along 72 Avenue;
- New raised median island;

- Intersection improvements on 72 Avenue at Westview Drive to accommodate a new traffic signal;
- New LED street lighting;
- New storm sewer along 72 Avenue; and,
- Pavement rehabilitation.

Road widening is required to improve traffic flow along 72 Avenue. Sidewalk and street lighting improvements are required to increase pedestrian safety. Traffic signal improvements are required to accommodate growth in traffic in North Delta. Drainage improvements are needed to increase the flows into Cougar Creek.

Request for Proposal 17-081, Consultant Services – 72 Avenue Roadway and Utility Improvements (120 Street to BNSF Overpass), was posted on BC Bid. Four bids were received.

Bidder	Bid Price (Including GST)
Wedler Engineering LLP	\$131,602.80
Omega & Associates Engineering Ltd.	\$135,523.50
Mainland Engineering	\$163,563.75
Stantec Consulting Ltd.	\$169,067.85

Wedler Engineering LLP's bid received the highest points based on an evaluation of technical merit and price and is considered fair value. Wedler's proposed engineering team was determined to be the best match for this particular assignment.

Implications:

Financial Implications – The funding for the design of the 72 Avenue (120 Street to BNSF Overpass) Roadway and Utility Improvements is available from the 2017 Capital Plan. The project costs and available funding are provided below:

PROJECT COSTS:

Engineering Services	\$131,602.80 For Award
Project Allowance	<u>\$ 30,000.00</u>
Sub Total	\$161,602.80
Less GST Rebate	<u>\$ (7,695.37)</u>
Net Total Project Costs	\$153,907.43

PROJECT FUNDING:

2017 ROADS – 2	<u>\$220,000.00</u> Attachment A
Total Available Funding	\$220,000.00

As noted above, the total project cost is \$153,907.43, net of the full GST rebate. This cost is within the available funding.

▪ **CONCLUSION:**


It is recommended that Wedler Engineering LLP be awarded the contract for 72 Avenue (120 Street to BNSF Overpass) roadway and utility improvements, in the amount of \$131,602.80, including GST.



Steven Lan, P. Eng
Director of Engineering

Department submission prepared by: Manny Bhangu, Engineering Project Technologist
mb/bm

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

Concurring Department		
Department	Name	Signature
Finance	Karl Preuss	

▪ **ATTACHMENT:**

A. 2017 Capital Plan Detail Sheet (ROADS – 2)

2017 CAPITAL PLAN

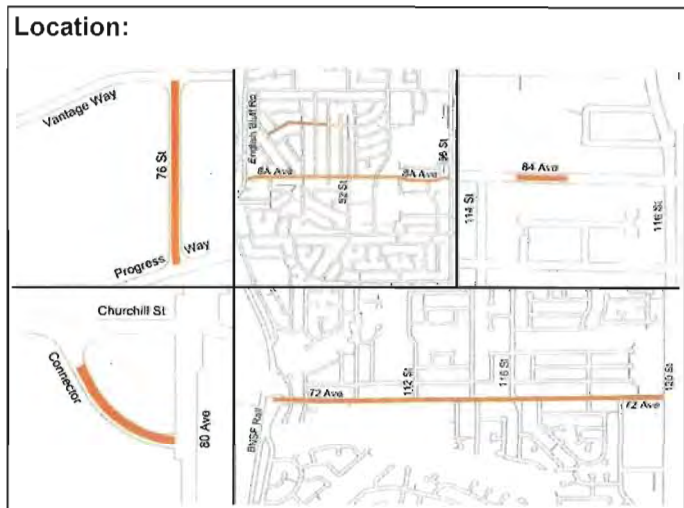
ROADS - 2

- TCA
- non-TCA

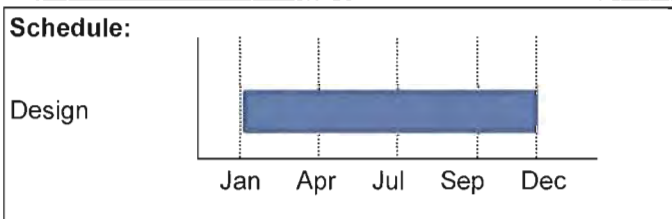
Neighbourhood Road Improvements Program - Design

Project Scope:
This program involves the preparation of road designs for the Neighbourhood Road Improvement Program to be constructed in future years. Design projects include sidewalk improvements on 76 Street between Progress Way and Vantage Way, 8A Avenue between English Bluff Road and 56 Street, *North Delta Performing Arts Centre access and frontage improvement on 84 Avenue, EOC Firehall frontage improvement and 72 Avenue 4 Laning Design. Storm water best management practices will be included in the design of these projects.

Funding Sources:	
Road Reserves	\$705,000
Project Total	<u><u>\$705,000</u></u>



Annual Associated Operating Costs starting in 2018:
\$



Project Costs:

76 Street - Progress Way to Vantage Way: \$10,000
 8A Avenue - English Bluff Road to 56 Street: \$350,000
 *North Delta Performing Arts Centre Access: \$100,000
 EOC Firehall Frontage: \$25,000
 72 Avenue 4 Laning: \$220,000

Total Project Cost: \$705,000

2016 Capital Plan: \$542,000

Approvals Required:
*Subject to Council approval, including referral to a Public Hearing.

Construction Performed by:
 Municipal Crew External Contractor

Project Rationale:
The design of these improvements will address neighbourhood mobility and accessibility to the rest of the community.

Program Overview:
Advanced project designs in the year preceding construction allow for more accurate construction costs, better allocation of staff resources throughout the year, and the ability to advance the construction to the spring and summer months. Having construction drawings shelf-ready often allows for tendering immediately following budget approval.