Memorandum

TO: Members of Council
FROM: Ms. K. Power, City Clerk
DATE: Friday, April 17, 2020
SUBJECT: Additional Information
        Committee of the Whole – April 20, 2020

COMMITTEE OF THE WHOLE

Additional Information


RECOMMENDATION

With respect to Report No. R 33/2020 (Engineering & Operations – Engineering & Operations), we recommend that Contract 1, 2020 for Asphalt Surface Rehabilitation I be awarded to Bruno’s Contracting [Thunder Bay] Limited, which submitted the lowest tender in the amount of $4,747,778.34 (inclusive of HST); it being noted that the amount shown is based on estimated quantities; final payment for this Contract will be based on measured quantities for the complete work;

AND THAT the General Manager of Infrastructure and Operations report significant variations in the Contract quantities to City Council;

AND THAT the Mayor and Clerk be authorized to sign all documentation related to this matter;

AND THAT any necessary By-laws be presented to City Council for ratification.

EXECUTIVE SUMMARY

This report recommends Contract No. 1, 2020 for Asphalt Surface Rehabilitation I, which involves repaving of various streets within the City of Thunder Bay, be awarded to the lowest bidder, Bruno’s Contracting. The 2020 capital budget includes sufficient funding for this work.

LINK TO THE STRATEGIC PLAN

This report directly supports ‘Our Priorities’ of the 2019-2022 Corporate Strategic Plan, through renewal of City infrastructure. This project includes the rehabilitation of the pavement surface on several City streets based on Engineering’s asset management plan.

DISCUSSION

As a result of the call for tenders, three [3] responses as listed below were received for Contract
1, 2020 – Asphalt Surface Rehabilitation I. The tendered costs include the applicable HST. The bids have been checked for mathematical errors and the corrections noted.

<table>
<thead>
<tr>
<th>CONTRACTOR</th>
<th>TENDER OPENING BID</th>
<th>CORRECTED BID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bruno’s Contracting</td>
<td>$4,747,778.34</td>
<td></td>
</tr>
<tr>
<td>Taranis Contracting</td>
<td>$4,815,932.71</td>
<td></td>
</tr>
<tr>
<td>Pioneer Construction</td>
<td>$5,065,218.26</td>
<td>$5,066,561.32</td>
</tr>
</tbody>
</table>

The pre-tender estimate for this contract was $4,882,317.55.

Under this contract, sections of City streets will be rehabilitated by removing the existing asphalt pavement (full depth or partial depth) and placing a new layer of asphalt pavement. This contract also includes spot repairs to roadway drainage, sidewalks, curb and gutter, street lighting, railway crossing rehabilitation, parking lot expansion, and tennis court resurfacing. This is the first of two [2] contracts in 2020 that are focused on asphalt surface rehabilitation of City streets.

Administration has determined that this project may proceed in light of recent amendments to O. Reg. 82/20 (Closure of Places of Non-Essential Businesses). The project is necessary to manage essential operations of City properties, related to critical infrastructure (such as roads, dams, bridges, etc.) or is permitted to proceed under another heading within the regulation. The Contractor will need to determine whether they deem themselves an essential business under the regulation. In addition, the Contractor will need to determine whether, in performing the contract, they can meet all applicable health and safety laws and comply with the advice and instructions of public health officials, including physical distancing, cleaning and disinfection, as per the regulation. Contract award will proceed on confirmation by the Contractor.

Asphalt rehabilitation will be completed on sections of Centennial Park Road, Dawson Road, Hazelwood Drive, Margaret Street, and River Street.

Additionally, the asphalt surface of several residential streets will be rehabilitated. The residential work includes paving on sections of Dewe Street, Frankwood Avenue, Hall Place, Helen Street, Hilldale Place, Michigan Street, Ray Boulevard, Van Guard Avenue, Vickers Street North, and Walkover Street.

Miscellaneous paving to correct asphalt deformations at specific locations will be carried out on Arthur Street West, Strathcona Avenue, Hammond Avenue, James Street, Red River Road, Waterloo Street, Woodcrest Road, and other miscellaneous locations.

Asphalt rehabilitation work will be completed on the CN Railway grade crossing surface located on Vickers Street North.

The parking lot at Thunder Bay 55 Plus Centre will be expanded. The expanded parking lot will incorporate storm water management best practices, by means of a new oil-grit separator.
The asphalt surface of the West Tennis Court located at the Thunder Bay Community Tennis Centre in Chapples Park, will be resurfaced. The work involves removing the asphalt pavement, regrading the granular base, and placing two (2) new lifts of asphalt.

Bruno’s Contracting submitted the lowest tender for this contract. Bruno’s has previously completed similar asphalt resurfacing contracts for the City. Administration recommends this firm is qualified to undertake the work.

The work is expected to start following the lifting of spring half load restrictions and continue until scheduled completion mid October 2020. The contractor will be required to submit a COVID-19 Healthy and Safety Policy in accordance with the guidance provided by the Provincial Chief Prevention Officer on Construction Sites. The contractor has not indicated any impacts to cost or schedule at this time.

**FINANCIAL IMPLICATION**

The 2020 capital budget includes funding for the rehabilitation of streets listed in this contract. The Tennis Centre Club will fund a portion of the resurfacing work of the West Tennis Court. Community Services and Parks capital will be used to fund the 55 Plus Centre parking lot and Centennial Park Road projects respectively. These two projects were included to take advantage of in-house engineering design and construction inspection as well as lower capital contract pricing. It is recommended that all work proceed.

The following financial breakdown is provided

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contract Tendered Price:</td>
<td>$4,747,778.34</td>
</tr>
<tr>
<td>Less HST Rebate:</td>
<td>$472,256.89</td>
</tr>
<tr>
<td><strong>Subtotal:</strong></td>
<td>$4,275,521.45</td>
</tr>
<tr>
<td>Engineering and Other City Costs:</td>
<td>$315,000.00</td>
</tr>
<tr>
<td><strong>TOTAL COST:</strong></td>
<td>$4,590,521.45</td>
</tr>
</tbody>
</table>

This contract includes a contingency allowance for work that is unforeseen. These funds can only be expended with the approval of the General Manager of Infrastructure and Operations.

**CONCLUSION**

It is concluded that Contract 1, 2020 be awarded to the low bidder Bruno’s Contracting [Thunder Bay] Limited and that all work should proceed.
BACKGROUND

The 2020 Capital Budget, Corporate Report 1/2020 (Corporate Services and Long Term Care – Finance) Proposed 2020 Operating and Capital Budget, includes tax base funding, Federal Gas Tax and EIRP funding for asphalt rehabilitation on various streets within the city.

Infrastructure and Operations Department asset management plan incorporates a pavement management system developed in 2000 which is used as a tool to help administration prioritize roadwork.

REFERENCE MATERIAL ATTACHED

Not Applicable

PREPARED BY: Matthew Miedema, P. Eng., Project Engineer

| THIS REPORT SIGNED AND VERIFIED BY:               | DATE:                   |
| (NAME OF GENERAL MANAGER)                        | April 16, 2020          |
| Kerri Marshall, General Manager – Infrastructure |                                       |
| & Operations                                      |                                       |
RECOMMENDATION

With respect to Report No. R 35/2020 (Engineering and Operations – Engineering & Operations) we recommend that Contract 4, 2020 – Syndicate Avenue and Brodie Street Sewer and Watermain be awarded to Makkinga Contracting who submitted the lowest tender in the amount of $4,438,387.50 [inclusive of HST]; it being noted that the amount shown is based on estimated quantities, final payment for this contract would be based on measured quantities for the complete work;

AND that the General Manager of Infrastructure and Operations report any significant variations in the contract quantities to City Council;

AND that the Mayor and City Clerk be authorized to sign all documents related to these matters;

AND that Appropriation Change No 4 be approved;

AND that any necessary bylaws be presented to City Council for ratification.

LINK TO STRATEGIC PLAN

This report directly supports the ‘Renew’ strategy of the 2019-2022 Corporate Strategic Plan: focus on essential infrastructure, revitalize our cores and enhance our Image Routes. This project renews our infrastructure and provides stormwater and sanitary sewer separation for a portion of the city as identified in the City’s Pollution Prevention and Control Plan.

EXECUTIVE SUMMARY

The 2020 capital budget includes funds to complete underground renewal including watermain, sanitary sewer and storm separation in the north Syndicate Avenue and Brodie Street area. The project also includes hollow sidewalk replacement, street light upgrading and asphalt rehabilitation.
There were three [3] tenders received for the work. The lowest tender for this project is Makkinga Contracting. Administration is recommending award of this contract to this company.

**DISCUSSION**

As a result of the call for tenders, three [3] responses as listed below were received for storm sewer, sanitary sewer, watermain, sidewalks, street lighting and road work in the Syndicate Avenue and Brodie Street area.

The tender costs include the applicable HST. The bids have been checked for mathematical errors and the corrections noted.

<table>
<thead>
<tr>
<th>CONTRACTOR</th>
<th>TENDERED COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>Makkinga Contracting</td>
<td>$4,438,387.50</td>
</tr>
<tr>
<td>Nadin Construction</td>
<td>$4,555,601.34</td>
</tr>
<tr>
<td>Bay City Contractors</td>
<td>$5,220,972.90</td>
</tr>
</tbody>
</table>

The pretender estimate for the work on this contract was $3,998,000 [inclusive of HST].

The tender includes work for watermain and storm/sanitary sewer construction on sections of Syndicate Avenue, Brodie Street, Dease Street, McKeller Street and Southern Avenue. This work will enable the area to be storm separated and also the replacement of water main will eliminate a number of lead services within the road allowance. This project will result in full storm separation of the area and will include retirement of the existing regulating manholes.

The cross streets of Bethune Street and Cameron Street will also be resurfaced and other works in the area will be completed to renew street lighting infrastructure. The project also includes completing the remainder of the hollow sidewalk replacement within the affected contract streets and a new sidewalk link is being provided on Southern Avenue.

The construction limits are shown on Attachment A.

Administration has determined that this project may proceed in light of recent amendments to O. Reg. 82/20 (Closure of Places of Non-Essential Businesses). The project is necessary to manage essential operations of City properties, related to critical infrastructure (such as roads, dams, bridges, etc.) or is permitted to proceed under another heading within the regulation. The Contractor will need to determine whether they deem themselves an essential business under the regulation. In addition, the Contractor will need to determine whether, in performing the contract, they can meet all applicable health and safety laws and comply with the advice and instructions of public health officials, including physical distancing, cleaning and disinfection, as per the regulation. Contract award will proceed on confirmation by the Contractor of these things.
The lowest tender received for this contract was from Makkinga Contracting. They have completed previous sewer and water projects for the City including the 2017 and 2019 projects in this area. Administration is recommending this company has been capable of carrying out the work on this contract. The contractor will be required to submit a COVID-19 Health and Safety Policy in accordance with the guidance provided by the Provincial Chief Prevention Officer on Construction Sites. The contractor has not indicated any impacts to cost or schedule at this time.

**LINK TO EARTHCARE SUSTAINABILITY PLAN**

This report supports Goal 10 of the EarthCare Sustainability Plan 2014 – 2020 to “ensure that water resources in the local watershed are protected and enhanced” and increases the resilience of the community through incorporating low impact development and green infrastructure features. Additionally the storm system has been designed to new IDF requirements based on the Stormwater Management Plan and climate change impacts.

**FINANCIAL IMPLICATION**

The work under this contract is included as part of the application for the Disaster Mitigation and Adaptation Fund [DMAF] that was approved and will be funded at 40%. The 2020 capital budget included approved tax and rate supported funding for this project. Carry forward funds are being used to leverage DMAF funding to complete the full scope of the underground work on McKellar Street and Southern Avenue.

The following breakdown of project costs is provided:

<table>
<thead>
<tr>
<th>Projected Costs</th>
<th>Breakdown</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contract Tender price</td>
<td>$4,438,387.50</td>
</tr>
<tr>
<td>HST Rebate</td>
<td>($441,482.08)</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td>$3,996,905.42</td>
</tr>
<tr>
<td>Engineering</td>
<td>$368,000.00</td>
</tr>
<tr>
<td>City Material supply</td>
<td>$8,000.00</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>$4,372,905.42</td>
</tr>
</tbody>
</table>

This contract includes a contingency allowance for work that is unforeseen and can only be expended with the approval of the General Manager of Infrastructure and Operations.

**CONCLUSION**

It is concluded that Contract 4, 2020 for Syndicate Avenue and Brodie Street sewer and water main should be awarded to Makkinga Contracting and that all work should proceed.

Appropriation No. 4 should be approved to reallocate carry forward and leverage DMAF funds.
BACKGROUND

The 2020 capital budget, Corporate Report 1/2020 [Corporate Services and Long-term care – Finance] includes funds for tax and rate supported projects for the contract streets. A number of the storm separation streets in this contract qualify for the Federal Disaster Mitigation Adaptation Fund (DMAF) program.

REFERENCE MATERIAL ATTACHED:

Attachment A - Project Site Plan
Attachment B - Appropriation Change order No.4

PREPARED BY: Rick Harms, P.Eng., Project Engineer

<table>
<thead>
<tr>
<th>THIS REPORT SIGNED AND VERIFIED BY:</th>
<th>DATE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>(NAME OF GENERAL MANAGER)</td>
<td>April 16, 2020</td>
</tr>
<tr>
<td>Kerri Marshall, General Manager – Infrastructure &amp; Operations</td>
<td></td>
</tr>
</tbody>
</table>
# Request for Additional Appropriation

**DEPARTMENT:** Infrastructure & Operations  
**DIVISION:** Engineering/Parks  
**DATE:** March 20, 2020

### Request for Appropriation Change

**WBS ELEMENT** | **DESCRIPTION** | **BUDGET AVAILABLE** | **INCREASE** | **DECREASE** | **ADMIN USE**  
--- | --- | --- | --- | --- | ---  
**TWK-RDS-140001-BR-07-1** | Boulevard Lake Dam | 891,532 | 79,000 | 9.4.1 | 76  
**IOT-RDS-2000010-SL-09-3 (new)** | Syndicate Ave - Dease to Leith | - | 10,000 | 5.8 | 76  
**IOT-RDS-2000010-SL-13-1 (new)** | Brodie St - Dease to Leith | - | 45,000 | 5.8 | 76  
**IOT-RDS-2000010-SL-14-1 (new)** | McKellar St - Neebing River to Pruden | - | 17,000 | 5.8 | 76  
**IOT-RDS-2000010-SL-15-1 (New)** | Southern Ave - Syndicate to May | - | 7,000 | 5.8 | 76  
**IOT-RDS-190001-BR-02-3** | Boulevard Lake Dam - DMAF | 1,535,297 | 553,334 | 5.5.1 | 143  
**IOR-SAN-200006-PP-01-2** | Syndicate Ave - Dease to Leith | 192,000 | 216,667 | 7.2 | 143  
**IOR-SAN-200006-PP-02-2** | Brodie St - Dease to Leith | 180,000 | 216,667 | 7.2 | 143  
**IOR-SAN-190006-PP-08-2 (new)** | McKellar St - Neebing River to Pruden | - | 100,000 | 7.2 | 143  
**IOR-SAN-190006-PP-09-2 (new)** | Southern Ave - Syndicate to May | - | 20,000 | 7.2 | 143

**TOTAL:** 632,334  

### Explanations/Reasons:

Corporate Report 35/2020  
Contract 4-2020 Syndicate Ave & Brodie St Sewer and Watermain

### Effect on Level of Service:

| DECREASE | INCREASE | MAINTAINED |  
--- | --- | --- |  

**DATE:**  

**Recommended/Approved**  
**L Evans**  
City Treasurer  

**NGALE**  
City Manager  

---

**Prepared By:** S Dykeman  
**Reviewed By:** K Marshall, General Manager  
**Verified By:** M Gallagher  
**Committee of the Whole**  
**NOT APPROVED**  
**Not Approved**  
**Date:**  

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TB1047(rev 06/08)  
APP.WK1
RECOMMENDATION

With respect to Report No. R 42/2020 (Infrastructure & Operations – Engineering & Operations), we recommend that Contract 5, 2020 for Asphalt Surface Rehabilitation II be awarded to Taranis Contracting Group Ltd, which submitted the lowest tender in the amount of $2,552,265.52 (inclusive of HST); it being noted that the amount shown is based on estimated quantities; final payment for this Contract will be based on measured quantities for the complete work;

AND THAT the General Manager of Infrastructure and Operations report significant variations in the Contract quantities to City Council;

AND THAT the Mayor and Clerk be authorized to sign all documentation related to this matter;

AND THAT Appropriation #8 be approved;

AND THAT any necessary By-laws be presented to City Council for ratification.

LINK TO THE STRATEGIC PLAN

This report directly supports the ‘Renew’ strategy of the 2019-2022 Corporate Strategic Plan: focus on essential infrastructure, revitalize our cores and enhance our Image Routes. This project includes the rehabilitation of the pavement surface on various City Streets, and upgrades to the City’s storm water system, following Engineering’s Asset Management Plan and Pollution Prevention Control Plan.

EXECUTIVE SUMMARY

This report recommends Contract No. 5, 2020 for Asphalt Surface Rehabilitation II, which involves rehabilitation of various streets within the City of Thunder Bay be awarded to the lowest bidder, Taranis Contracting. The 2020 capital budget includes sufficient funding for this work.
DISCUSSION

As a result of the call for tenders, five [5] responses as listed below were received for Contract 5, 2020 – Asphalt Surface Rehabilitation II. The tendered costs include the applicable HST. The bids have been checked for mathematical errors and the corrections noted.

<table>
<thead>
<tr>
<th>CONTRACTOR</th>
<th>TENDER OPENING BID</th>
<th>CORRECTED BID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Taranis Contracting</td>
<td>$2,552,835.04</td>
<td>$2,552,265.52</td>
</tr>
<tr>
<td>Nadin Contracting</td>
<td>$2,647,893.55</td>
<td>$2,647,859.65</td>
</tr>
<tr>
<td>Menei Bros</td>
<td>$2,706,805.96</td>
<td>$2,715,280.96</td>
</tr>
<tr>
<td>Bruno’s Contracting</td>
<td>$2,964,061.47</td>
<td></td>
</tr>
<tr>
<td>Bay City Contractors</td>
<td>$3,014,121.32</td>
<td></td>
</tr>
</tbody>
</table>

The pre-tender estimate for this contract was $2,381,052.10 (inclusive of HST).

This contract includes reconstruction of a section of Mount Forest Boulevard and pavement rehabilitation on sections of James Street and Kingston Street. Rehabilitation work consists of removing the existing asphalt pavement, placing new lifts of asphalt pavement, and where required repairs to curb and gutter and sidewalk.

Administration has determined that this project may proceed in light of recent amendments to O. Reg. 82/20 (Closure of Places of Non-Essential Businesses). The project is necessary to manage essential operations of City properties, related to critical infrastructure (such as roads, dams, bridges, etc.) or is permitted to proceed under another heading within the regulation. The Contractor will need to determine whether they deem themselves an essential business under the regulation. In addition, the Contractor will need to determine whether, in performing the contract, they can meet all applicable health and safety laws and comply with the advice and instructions of public health officials, including physical distancing, cleaning and disinfection, as per the regulation. Contract award will proceed on confirmation by the Contractor.

Mount Forest Boulevard from 20th Sideroad to Hawkridge Drive will be fully reconstructed. Work includes excavation of road base, placement of new granular materials, replacing the existing storm system, repairs to street light ducts, and re-paving the street. Cathodic protection will be completed on the watermain to extend its life.

James Street from Frederica Street to Kingston Street will be resurfaced with two (2) new lifts of asphalt pavement. Work will also involve replacement of the storm sewer from the CP Railway subway southerly to Kingston Street.

Kingston Street from James Street easterly to the cul-de-sac will be resurfaced with two (2) new lifts of asphalt pavement. Work will also involve construction of a new storm sewer to separate existing catch basins that currently drain into the sanitary sewer. This work follows the City’s Pollution Prevention Control Plan.
This contract represents the second of two pavement resurfacing contracts being released for tender in 2020.

Taranis Contracting submitted the lowest tender for this contract. Taranis has previously completed similar asphalt resurfacing contracts for the City. Administration recommends this firm is qualified to undertake the work.

The work is expected to start following the lifting of spring half load restrictions and continue until scheduled completion to the end of October 2020. The contractor will be required to submit a COVID-19 Healthy and Safety Policy in accordance with the guidance provided by the Provincial Chief Prevention Officer on Construction Sites. The contractor has not indicated any impacts to cost or schedule at this time.

**FINANCIAL IMPLICATION**

The 2020 capital budget includes sufficient funding for the rehabilitation of streets listed in this contract. Storm separation on Kingston Street will be partially funded through the Disaster Mitigation and Adaptation Fund. The approval of Appropriation #8 is recommended to fund a shortfall for Mount Forest Boulevard storm sewer work. It is recommended that all work proceed.

The following financial breakdown is provided:

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contract Tendered Price:</td>
<td>$2,552,265.52</td>
</tr>
<tr>
<td>Less HST Rebate:</td>
<td>$253,871.37</td>
</tr>
<tr>
<td><strong>Subtotal:</strong></td>
<td><strong>$2,298,394.15</strong></td>
</tr>
<tr>
<td>Engineering and Other City Costs:</td>
<td>$160,000.00</td>
</tr>
<tr>
<td><strong>TOTAL COST:</strong></td>
<td><strong>$2,458,394.15</strong></td>
</tr>
</tbody>
</table>

This contract includes a contingency allowance for work that is unforeseen. These funds can only be expended with the approval of the General Manager of Infrastructure and Operations.

**CONCLUSION**

It is concluded that Contract 5, 2020 be awarded to the low bidder Taranis Contracting Group Ltd and that all work should proceed.

**BACKGROUND**

The 2020 Capital Budget, Corporate Report 1/2020 (Corporate Services and Long Term Care – Finance) Proposed 2020 Operating and Capital Budget, includes tax base funding, Federal Gas
Tax and EIRP funding for asphalt rehabilitation on various streets within the city. Additionally funding is available through the sewer rate for storm separation.

Infrastructure and Operations Department asset management plan incorporates a pavement management system developed in 2000 which is used as a tool to help administration prioritize roadwork.

**REFERENCE MATERIAL ATTACHED:**

Attachment A - Appropriation #8

**PREPARED BY: Matthew Miedema, P. Eng., Project Engineer**

<table>
<thead>
<tr>
<th>THIS REPORT SIGNED AND VERIFIED BY:</th>
<th>DATE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kerri Marshall, General Manager – Infrastructure &amp; Operations</td>
<td>April 16, 2020</td>
</tr>
</tbody>
</table>
# Request for Appropriation Change

**Department:** Infrastructure & Operations  
**Division:** Engineering/Parks

## Request for Additional Appropriation

<table>
<thead>
<tr>
<th>WBS ELEMENT</th>
<th>DESCRIPTION</th>
<th>BUDGET AVAILABLE</th>
<th>INCREASE</th>
<th>DECREASE</th>
<th>ADMIN USE</th>
</tr>
</thead>
<tbody>
<tr>
<td>TWK-RDS-140001-BR-07-1</td>
<td>Boulevard Lake Dam</td>
<td>812,532</td>
<td>212,000</td>
<td>9.4.1</td>
<td>76</td>
</tr>
<tr>
<td>IOT-ENV-200001-ST-13-1 (new)</td>
<td>Mt. Forest Blvd</td>
<td>-</td>
<td>212,000</td>
<td>5.3.1</td>
<td>76</td>
</tr>
<tr>
<td>IOT-RDS-190007-TS-06-1</td>
<td>Donald St &amp; Syndicate Ave</td>
<td>86,924</td>
<td>32,000</td>
<td>5.5.7</td>
<td>138</td>
</tr>
<tr>
<td>IOT-RDS-190010-SL-13-1 (new)</td>
<td>Mt. Forest Blvd</td>
<td>17,000</td>
<td>5.5.8</td>
<td>138</td>
<td></td>
</tr>
<tr>
<td>IOT-RDS-190010-SL-14-1 (new)</td>
<td>James St Streetlighting</td>
<td>15,000</td>
<td>5.5.8</td>
<td>138</td>
<td></td>
</tr>
<tr>
<td>IOT-RDS-190008-SN-02-1</td>
<td>Hillcrest Park Pedestrian Crossover</td>
<td>25,000</td>
<td>25,000</td>
<td>5.5.6</td>
<td>138</td>
</tr>
<tr>
<td>IOT-RDS-190006-SR-10-1 (new)</td>
<td>James St Sidewalk</td>
<td>25,000</td>
<td>5.5.5</td>
<td>138</td>
<td></td>
</tr>
<tr>
<td>IOT-RDS-190001-BR-02-3</td>
<td>Boulevard Lake Dam - DMAF</td>
<td>981,963</td>
<td>64,000</td>
<td>5.1</td>
<td>143</td>
</tr>
<tr>
<td>IOR-SAN-190006-PP-10-2 (new)</td>
<td>Kingston St</td>
<td>-</td>
<td>64,000</td>
<td>7.2</td>
<td>143</td>
</tr>
</tbody>
</table>

**Total:** 333,000

## Explanations/Reasons:

- Corporate Report 42/2020
- Contract 5-2020 Asphalt Surface Rehabilitation II

## Effect on Level of Service:

- **DECREASE**
- **INCREASE**
- **MAINTAINED**

**Date:**

**Recommended/Approved:**

- L Evans  
  City Treasurer

- N Gale  
  City Manager

**Prepared by:** S Dykeman

**Reviewed by:** K Marshall  
K. Marshall, General Manager

**Verified by:**

**Finance:** M Gallagher  
Moira Gallagher, CPA, CMA

**Budget & Planning Accountant:**

- Corporate Services & Long Term Care Department

**Committee of the Whole:**

**Approved:**

**Not Approved:**

**Date:**


**RECOMMENDATION**

With respect to Report No. R 34/2020 (Engineering and Operations – Engineering & Operations), we recommend that Contract 6, 2020 for Tupper Sewer and Amelia St Reconstruction be awarded to Nadin Contracting Ltd, which submitted the lowest tender in the amount of $3,666,200.11 (inclusive of HST); it being noted that the amount shown is based on estimated quantities; final payment for this Contract will be based on measured quantities for the complete work;

AND THAT the General Manager of Infrastructure and Operations report significant variations in the Contract quantities to City Council;

AND THAT the Mayor and Clerk be authorized to sign all documentation related to this matter;

AND THAT Appropriation #7 be approved;

AND THAT any necessary By-laws be presented to City Council for ratification.

**LINK TO STRATEGIC PLAN**

This report directly supports ‘Our Priorities’ of the 2019-2022 Corporate Strategic Plan, through renewal of City infrastructure. This project includes the rehabilitation of the pavement surface on several City streets based on Engineering’s asset management plan.

**EXECUTIVE SUMMARY**

The 2020 Capital Budget provides funds for roads, watermain, sewer main and street lighting renewal on Tupper Street, and Amelia Street and a new trunk sewer on Burwood Road. There were three (3) tenders received for this work. The low tender for this Contract is Nadin Contracting Ltd. Administration is recommending award of this Contract to this company.
DISCUSSION

As a result of a call for Tender, three (3) responses as listed below were received for Contract #6, 2020 – Tupper Sewer and Amelia St Reconstruction.

The tendered costs include the applicable HST. Bids have been checked for mathematical errors and the corrections noted.

<table>
<thead>
<tr>
<th>CONTRACTOR</th>
<th>TENDERED COSTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nadin Contracting Ltd.</td>
<td>$3,666,200.11</td>
</tr>
<tr>
<td>Makkinga Contracting</td>
<td>$3,687,386.62</td>
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<tr>
<td>Bay City Contracting</td>
<td>$4,299,694.07</td>
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</tbody>
</table>

The pre-tender estimate for the work in this Contract was $3,450,000 (inclusive of HST).

This Contract includes road, watermain and sanitary and storm sewer replacement on Tupper Street between Prospect Street and Jean Street, and on Amelia Street between Edward Street and Ford Street and the installation of a trunk sanitary sewer extension on Burwood Road between Innovation Drive and Central Avenue.

Administration has determined that this project may proceed in light of recent amendments to O. Reg. 82/20 (Closure of Places of Non-Essential Businesses). The project is necessary to manage essential operations of City properties, related to critical infrastructure (such as roads, dams, bridges, etc.) or is permitted to proceed under another heading within the regulation. The Contractor will need to determine whether they deem themselves an essential business under the regulation. In addition, the Contractor will need to determine whether, in performing the contract, they can meet all applicable health and safety laws and comply with the advice and instructions of public health officials, including physical distancing, cleaning and disinfection, as per the regulation. Contract award will proceed on confirmation by the Contractor.

The 2019 Capital Budget includes funds to replace the existing 120 year old watermain and sanitary sewer on Tupper Street between Prospect Avenue and Jean Street due to corrosion issues on the watermain and material failures on the sanitary sewer. This type of work is consistent with previous work in the area due to old age and substandard base preparation which leads to sewer pipe bellies and continuous blockage maintenance. There are numerous lead water service connections that will be replaced to property line as well. The storm sewer on Tupper Street will also be replaced and improvements made to reduce localized flooding. This project is eligible for funding through the City’s approved application under the Disaster Mitigation and Adaptation Fund (DMAF) program. The curb and gutter and road surface are also due for replacement.

Amelia Street between Edward Street and Ford Street is a continuation of replacing 110 year old infrastructure in the area. This work will see the replacement of the sanitary sewer and watermain which will include numerous lead water service connections that will be replaced to
property line. The street will also have the hollow sidewalk and, curb and gutter replaced as well as two new lifts of asphalt. Existing mature trees will be protected and worked around as much as possible.

A new trunk sanitary sewer on the Burwood Road corridor between Innovation Drive and Central Avenue will be constructed as part of this project to service city owned development lands to the north between Golf Links Road and the Thunder Bay Expressway.

The lowest tender received for this Contract was from Nadin Contracting Ltd. They have completed numerous sewer, water and road projects for the City. Administration is recommending this company as being capable of carrying out all the work within this Contract. The work is expected to start in June and continue until scheduled completion at the end of October 2020. The contractor will be required to submit a COVID-19 Healthy and Safety Policy in accordance with the guidance provided by the Provincial Chief Prevention Officer on Construction Sites. The contractor has not indicated any impacts to cost or schedule at this time.

**LINK TO EARTHCARE SUSTAINABILITY PLAN**

This work supports Goal 10 of the Earthcare Sustainability Plan 2014-2020 to “ensure that water resources in the local watershed are protected and enhanced” and increases the resilience of community through incorporating low impact development and green infrastructure features. The storm system has been designed to new IDF requirements based on the Stormwater Management Plan and climate change impacts.

**FINANCIAL IMPLICATION**

The 2020 Capital Budget includes sufficient funding for this work. The storm relief sewer on Tupper Street is funded at 40% under the City’s approved DMAF application.

The following table breaks down the project costs:

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contract Amount</td>
<td>$3,666,200.11</td>
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<tr>
<td>HST Rebate</td>
<td>$(364,673.36)</td>
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<tr>
<td><strong>Sub-Total</strong></td>
<td>$3,301,526.75</td>
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<tr>
<td>Engineering</td>
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<td><strong>TOTAL</strong></td>
<td><strong>$3,451,526.75</strong></td>
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</table>

This Contract includes a contingency allowance for work that is unforeseen and can only be expended with the approval of the General Manager of Infrastructure and Operations.
CONCLUSION

It is concluded that Contract 6, 2020 – Tupper Sewer and Amelia St Reconstruction be awarded to the low tender Nadin Contracting Ltd. and that all work should proceed.

BACKGROUND

Report 2012.069 and Report 2011.082 (Development) were received by City Council to identify the Golf Links Road project as part of the Renew Thunder Bay business plan and accepted a Corridor Study Report to be used as a support document for future land use planning and obtaining funds from senior levels of government.

Report No.1/2020, (Corporate Services and Long Term Care – Financial Services) proposed 2020 Operations and Capital Budget includes funding to carry out road, storm, sanitary sewer and watermain reconstruction projects. The 2020 Capital Budget includes rate based funding to carry out watermain and sanitary sewer reconstruction for aging infrastructure within the City of Thunder Bay. It also contains tax supported funding for resurfacing and storm sewer works. The replacement work within this Contract is the result of old age and material type failures.

REFERENCE MATERIAL ATTACHED:

Attachment ‘A’ – Appropriation 7

PREPARED BY: Brian Newman, P.Eng., Project Engineer

<table>
<thead>
<tr>
<th>THIS REPORT SIGNED AND VERIFIED BY:</th>
<th>DATE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>(NAME OF GENERAL MANAGER)</td>
<td></td>
</tr>
<tr>
<td>Kerri Marshall, General Manager –</td>
<td>April 16, 2020</td>
</tr>
<tr>
<td>Infrastructure &amp; Operations</td>
<td></td>
</tr>
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</table>
## REQUEST FOR APPROPRIATION CHANGE

**The City of Thunder Bay**

**REQUEST FOR ADDITIONAL APPROPRIATION**

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<tr>
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<th>DESCRIPTION</th>
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<th>DECREASE</th>
<th>ADMIN USE</th>
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<td>100,000</td>
<td>5.3.1</td>
<td>143</td>
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**EXPLANATIONS/REASONS:**

- Corporate Report 34/2020
- Contract 6-2020 Tupper and Amelia St Reconstruction

**EFFECT ON LEVEL OF SERVICE:**

<table>
<thead>
<tr>
<th>DECREASE</th>
<th>INCREASE</th>
<th>MAINTAINED</th>
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<tbody>
<tr>
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<td>x</td>
</tr>
</tbody>
</table>

**DATE:**

**RECOMMENDED/APPROVED**

Linda Evans  
City Treasurer

Norm Gale  
City Manager

---

**PREPARED BY:** Shari Dykeman

**REVIEWED BY:** Kerri Marshall  
GENERAL MANAGER  
Infrastructure & Operations

**VERIFIED BY:** Lauren Paradis  
FINANCE:  
Lauren Paradis, CPA, CA  
Manager, Budgets and Long Term Planning

**COMMITTEE OF THE WHOLE**

K. Marshall,