THE CORPORATION OF THE TOWN OF COBOURG

STAFF REPORT

TO: Mayor and Council

FROM: Laurie Wills
TITLE: Director of Public Works

DATE OF MEETING: June 25, 2018

TITLE / SUBJECT: Award of East Pier Condition Assessment and Reallocation of Funds

REPORT DATE: June 13, 2018

1.0 STRATEGIC PLAN
N/A

2.0 PUBLIC ENGAGEMENT
N/A

3.0 RECOMMENDATION
THAT the Cobourg Town Council approve the award of the East Pier Condition Assessment to Shoreplan Engineering Limited in the amount of $48,793.92 including non-refundable HST to be funded by the Parks Walkway Paver Stone replacement capital account ($25,000), and remaining monies from East Pier sink hole repair past budgets ($19,000), and from the Parks Master Plan account ($4,793.92).

4.0 ORIGIN
The East Pier has remained closed to vehicular access this spring until a condition assessment can be conducted to determine the structural integrity of the pier.

5.0 BACKGROUND
The East Pier has not been structurally assessed since 2011 and is continually showing signs of fatigue through the appearance of voids in the asphalt surface indicating that water is infiltrating the underside of the pier and removing the supporting fill material. The high water levels that Lake Ontario experienced in
2017 will undoubtedly have accelerated the deterioration of the pier’s integrity. Without conducting an engineering inspection, the Town cannot confirm that the pier is capable of supporting vehicles.

The Town has requested quotations from three (3) engineering consultants for: an above and below water inspection of the sheet piling and revetment; a structural integrity and deck assessment; recommendations for repairs; and, associated construction cost estimates. Based on the results of the inspections, an allowance has also been included for a geotechnical investigation (boreholes), if required.

6.0 ANALYSIS
Three (3) quotations were requested for the condition assessment and upon receipt of all three quotes, it was not possible to compare the prices as each company was proposing a different approach.

Staff prepared a clarification of the scope of work and requested each of the consultants to revise their fees to suit. Only one of the three consultants chose to bid the revised scope of work.

Due to the seasonal nature of the work, underwater inspections have to be conducted in favourable weather conditions so it is in the Town’s best interest to not delay the award of the contract to ensure that all field work can be completed in the summer months. The consultants schedule for completion of a draft report is 8 weeks from award, weather dependant. Based on this schedule, it may be still be possible to complete the design of the repairs over the winter and complete the construction in 2019, pending the availability of funds.

7.0 FINANCIAL IMPLICATIONS/BUDGET IMPACT
A breakdown of the components of the project is as follows:

<table>
<thead>
<tr>
<th>Component</th>
<th>Amount</th>
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</thead>
<tbody>
<tr>
<td>Condition Assessment</td>
<td>$30,500.00</td>
</tr>
<tr>
<td>Geotechnical Investigation (Provisional)</td>
<td>$15,000.00</td>
</tr>
<tr>
<td>Council Presentation (Provisional)</td>
<td>$2,450.00</td>
</tr>
<tr>
<td>Sub Total</td>
<td>$47,950.00</td>
</tr>
<tr>
<td>Non Refundable HST</td>
<td>$843.92</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$48,793.92</strong></td>
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8.0 CONCLUSION
It is recommended that the Town award the East Pier Condition Assessment to Shoreplan Engineering Limited in the amount of $48,793.92 including non-refundable HST to be funded by the Parks Walkway Paver Stone replacement capital account ($25,000), and remaining monies from East Pier sink hole
repair past budgets ($19,000), and from the Parks Master Plan account ($4,793.92).

Approved By:  
Dean Hustwick, Director of Recreation and Culture  
Stephen Peacock, Chief Administrative Officer  

Department:  
Parks  
CAO