A. Recommendations


B. Overview

The purpose of this Staff Report is to provide Council with a high level overview of significant capital projects and programs managed within the Infrastructure and Public Works Department.

C. Background

Attached is the February 2019 Capital Project Status Report to keep Council and public apprised of the status of current capital projects and programs.

D. Analysis

None

E. The Blue Mountains Strategic Plan

Goal #2: Engage Our Communities & Partners
Objective #1 Improve External Communication with our Constituents

Goal #5: Ensure Our Infrastructure is Sustainable
Objective #3 Implement Best Practices in Sustainable Infrastructure

F. Environmental Impacts

The ongoing projects facilitate the long term sustainability of the community.
G. Financial Impact

Financial reporting is in accordance with the Town’s Purchasing of Goods and Services Policy. Council is informed of unique situations through project specific Staff Reports. Endorsement for expenses outside of approved budgets is sought as warranted.

H. In Consultation With

Reg Russwurm, Director of Infrastructure and Public Works
Jim McCannell, Manager of Roads and Drainage
Allison Kershaw, Manager of Water and Wastewater
Jeff Fletcher, Manager of Solid Waste and Special Projects
Mike Humphries, Design Technologist

I. Public Engagement

The topic of this Staff Report has not been subject to a Public Meeting and/or a Public Information Centre as neither a Public Meeting nor a Public Information Centre are required. Comments regarding this report should be submitted to Michael Campbell, cc@thebluemountains.ca

J. Attached

1. February 2019 Capital Projects Status Report
2. February 2019 Construction Map
3. February 2019 Design Map
4. February 2019 Study Map

Respectfully Submitted,

Michael Campbell, C.E.T.
Construction Coordinator

Reg Russwurm, MBA, P.Eng.
Director of Infrastructure and Public Works

For more information, please contact:
Michael Campbell
cc@thebluemountains.ca
519-599-3131 extension 275
Committee of the Whole
Capital Project Status Report

February 2019

Capital Work under Construction

1. Mary and Charles Street Water Main Replacement

   A warranty inspection was completed on May 28th, 2018. The Contractor has some deficiencies to correct before a final inspection can be completed.

2. Camperdown Road North Drainage and Road Improvements

   The work is complete. A section of silt fence remains as a precaution against erosion of the new road side bank in the 2019 snow melt. The silt fence will be removed in the spring. The project monitoring report by Azimuth Environmental has been submitted to the Department of Fisheries for 2018. Azimuth will complete and submit similar reports in 2019 and 2020 as required by the Department of Fisheries Authorization.

Capital Work in Design

3. Leachate Pumping Station and Forcemain

   The project has been out on hold. Council will consider next steps during 2019 Capital Budget deliberations.

4. Corporate Energy Conservation and Demand Management Plan

   The Town is updating the Corporate Energy Management Plan. A request for proposal was released in October and Staff are reviewing submissions and selecting a successful consultant to assist in completing the Plan. Plan development will include internal (Staff and Council) and external (Public) consultation in early 2019.
Studies Underway

5. Hwy 26 / Craigleith Area Environmental Assessment

The findings of Phase 2 of the Environmental Assessment (EA) were presented at a Public Information Centre (PIC) in June 2018. Comments received from the PIC will be used to prepare design alternatives for the preferred solution. Upon the completion of the EA expected in late 2019 another PIC will be held followed by issuing a Notice of Completion in mid-2019.

6. Hidden Lake Road Area Environmental Assessment

The EA is considering road configuration, water servicing and wastewater servicing in the area of Hidden Lake Road. The findings of the EA were presented to Committee of the Whole in October 2017. Subsequent meetings with interested residents were conducted. The Project Team is also considering options for siting the sewage pumping station given recent discussions with the MTO and MNRF. Once more details are available, another Public Information Centre will be held in 2019 to address the pumping station location and the concerns raised by the residents.

7. Elma Street South and Alice Street West Preliminary Design

This project was identified though the Thornbury Road Infrastructure Project as having the highest need for reconstruction and improvement of municipal infrastructure. The preliminary engineering design report has been received. The next step is a Request for Letters of Interest for the final design and project management assignment.

8. Price’s Subdivision Wastewater Servicing and Drainage Improvements Preliminary Design

This subdivision has been identified as an area warranting the extension of wastewater servicing and drainage improvements. The draft preliminary design report has been received, reviewed and comments returned to Greenland Engineering. The wastewater extension and storm water diversion projects will be presented to Council as part of the 2019 Capital Budget deliberations.

9. Peel Street Reconstruction Preliminary Design

The preliminary design has been awarded to MTE Consultants Inc. (MTE). The communication plan has been initiated and preliminary work is well underway. The preliminary functional design is well advanced with approximately 7 versions considered to date. A PIC to present the preliminary design to the public is expected in spring 2019.
10. Water Distribution Master Plan Environmental Assessment

The Master Plan Environment Assessment (MPEA) for the Town-wide water distribution system will outline capital projects and further studies to ensure the Town is able to meet growth pressures. The findings of the MPEA will be presented to the public and agencies for input in late February 2019.

11. Clarksburg Servicing Master Plan Environmental Assessment

JL Richards, the consultant for this project, is considering the findings from the background studies and the system inventories, and developing servicing options that can be presented at a Public Information Centre expected mid-2019.

12. Thornbury West Stormwater Drainage Master Plan Environmental Assessment

The final PIC was conducted on September 13th and 15th 2018. CC Tatham received comments from the appropriate agencies and the final report is expected shortly.

13. Sanitary Collection System Model and Needs Assessment

The Sanitary Collection Model has been built and calibrated. Staff have completed training on running the software. Town model specific training commences in early December. The Needs Assessment Report is due spring 2019.

14. Multi-Bridge Heritage Assessment

CC Tatham has been hired to complete a pre-environmental assessment study requirement that reviews the cultural and architectural potential of Bridges #2, #3 and the Heathcote Bridge (#13). A draft version of the study is complete and Staff is reviewing it to determine the correct schedule for the future Environmental Assessment. A stage one archeological assessment has been conducted and it is likely a stage two will be conducted.

15. Thornbury Wastewater Treatment Plant’s Headworks Design and Construction

JL Richards have been hired to complete the final design of the Thornbury WWTP Headworks. The current headworks are in poor repair and are undersized for the current influent flows. The Town has received and commented on the 60% design drawings. The 95% design package arrived late December. Staff will be commenting on the design in January. An ECA application for the works has been made to the MECP. Construction to commence in late 2019 or 2020.
16. **Duncan Street Watermain Replacement**

   Greenland has been hired to undertake the design and contract administration for the replacement of the Duncan Street Watermain. This project is in final design but the tender for construction will be released after the 2019 Budget is approved.

17. **Pressure Zone 4C Distribution Improvements**

   J.L. Richards has been retained to complete the conceptual design to determine the extent of capital improvements required to address water pressure and fire flow concerns in Pressure Zone 4C (Tyrolean Village Area). The project has commenced and the preliminary design is expected to be completed by the end of March 2019.
Engineering and Public Works
Capital Works Construction Map
February, 2018

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<th>Label</th>
<th>Name</th>
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<tbody>
<tr>
<td>1</td>
<td>Mary &amp; Charles Streets Water Main Replacement</td>
<td>Water</td>
</tr>
<tr>
<td>2</td>
<td>Camperdown Rd Drainage &amp; Road Improvements</td>
<td>Roads</td>
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## Capital Works Studies Map

**February, 2019**

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<td>Hwy 26/Craigleith Area EA</td>
<td>Infrastructure</td>
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<tr>
<td>6</td>
<td>Hidden Lake Road Area EA</td>
<td>Wastewater</td>
</tr>
<tr>
<td>7</td>
<td>Elma St &amp; Alice St Preliminary Engineering</td>
<td>Multiple</td>
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<tr>
<td>8</td>
<td>Price’s Subdivision Preliminary Engineering</td>
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</tr>
<tr>
<td>9</td>
<td>Peel Street Reconstruction Preliminary Design</td>
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<td>Water Distribution Masterplan EA</td>
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<td>Clarksburg Servicing Master Plan EA</td>
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**Map Notes:**

- #7, #9, #12, #13, #15 & #16
- #11
- #10, #13 & #14
- #5
- #6
- #8
- #17