



Subject: Broadway Brick Replacement Project

Department: Infrastructure Services

Division: Transportation and Development

Report #: INS-2021-045

Meeting Date: 2021-06-28

Recommendations

That report INS-2021-045, Broadway Brick Replacement Project be received;

That Staff be directed to take the steps necessary to proceed with construction in the _____ of 202_;

That Staff oversee the completion of the design of the Broadway Brick Replacement Project based on the consultant's recommendations:

- **Construction of a 2.2 metre wide concrete sidewalk adjacent to the buildings,**
- **Concrete extended to the curbs at the intersection bulbs including installation of tactile plates for AODA compliance, and**
- **Paving stone boulevards housing streetlights, trees and ancillary street furniture.**

Background and Analysis

The 2020 Capital Budget approved a project and funds to replace the concrete sidewalk and paving stones on Broadway, from John Street easterly to Third Street/Wellington Street. This central portion of Broadway was fully reconstructed in 1991, which included the replacement of all underground services and the reconstruction of the roadway. As part of this work, the design included paving stone intersection treatments, concrete sidewalks and paving stone boulevards. The sidewalks and boulevards have not been replaced since 1991. These surfaces are exhibiting wear, present trip hazards and are requiring increased maintenance. The paving stone boulevards and sidewalks have reached their service life and are needing to be replaced.

Triton Engineering Services Limited (TESL) was retained to design the sidewalk and paving stone boulevards. Their investigations and recommendations are summarized in their April 2021 Report, Replacement of Sidewalks and Boulevards – Central Broadway (John Street to Third Street) found as Attachment No.1. In summary, TESL's examined a number of surface treatments. In selecting a surface treatment, consideration was given to a surface type that would minimize differential movement between different types of materials, functionality, durability, maintenance and overall costs.

Based on TESL's analysis the recommended treatment for the replacement of the sidewalks and boulevards on Central Broadway is as follows:

- Construction of a 2.2 metre wide concrete sidewalk adjacent to the buildings,
- Concrete extended to the curbs at the intersection bulbs including installation of tactile plates for AODA compliance, and
- Paving stone boulevards housing streetlights, trees and ancillary street furniture.

This design has been well received by the BIA and the general public.

Public Consultation

An important facet of the engineering design and determining the replacement of the concrete sidewalks and paving stone boulevards was stakeholder engagement and public consultation. An on-line Public Information Centre was held on May 12, 2021 and a Public Meeting was held on June 7, 2021. In addition, staff conducted a dedicated meeting with the Orangeville Business Improvement Association (OBIA). These meetings allowed Council, the general public and OBIA an opportunity to provide comments on the Project. In addition, the public were also allowed to submit comments and questions through Orangeville's ArcGIS Capital Project Dashboard Page. While the overall sidewalk and paving stone design concept has been met with acceptance, the timing of construction is a concern.

In addressing this concern, a comparison of construction schedule options and associated impacts was prepared. This table can be found as Attachment 2, Comparison of Construction Schedule Options and Impacts. Staff is seeking Council direction on timing of construction.

While the timing of construction is seen as the most significant comment, the preservation of trees in the downtown core was identified by Council as a priority during the Public Meeting. TESL's report highlights that many of the trees, planted as part of the 1991 streetscape works have been removed and there are many boulevard trees currently causing heaving concerns. The trees have been assessed by the Town's arborist and many are found to be quite healthy and are not recommended for removal, however they represent a major constraint to the design of the boulevard area. Comments at the June 7 Public Meeting suggest that the boulevard trees should remain and in fact consideration should be given to replacing the trees lost since 1991.

Additional comments from Council at the June 7 meeting included questions around increasing accessibility for downtown businesses, a water bottle filling station and bike rack locations. These details will be evaluated and incorporated to the extent possible in the final design.

Economic Considerations

Questions were also raised during the public consultation process about what measures could be undertaken by the Town to assist retailers and businesses during the construction phase of the Project. The Economic Development and Culture Division has worked closely with the OBIA on several initiatives to incent visitations to the Downtown core. These initiatives are set out in the Division's Report appended as Attachment No. 3, Economic Development Comments.

Strategic Alignment

Orangeville Forward – Strategic Plan

Priority Area: Sustainable Infrastructure

Objective: Provide systems that keep people moving

Sustainable Neighbourhood Action Plan

Theme: Transportation System

Strategy: Promote walking and biking by increasing connectivity and safety of active transportation infrastructure

Notice Provisions

In accordance with the requirements of the Environmental Assessment Act public consultation was undertaken. A Public Information Centre was held on May 12, 2021 and a Public Meeting was held on June 7, 2021. Public comments were also received throughout the engineering design stages through the Town's Capital Project Dashboard Webpage.

Financial Impact

The approved 2020 Capital Budget includes an allowance of \$945,000 for the replacement of the Broadway bricks and concrete sidewalks. The timing of construction has the potential to impact the overall cost of the project, however any change to the required funding may be addressed once the project is tendered. Accordingly, there is no financial impacts associated with this report.

Respectfully submitted

Douglas G. Jones, M.E.Sc., P.Eng.
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Reviewed by

R. John Lackey, P. Eng.,
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Attachment(s):

1. Triton Engineering Services Limited, Replacement of Sidewalks and Boulevards Central Broadway (John Street to Third Street), April 2021
2. Comparison of Construction Schedule Options and Impacts
3. Economic Development Comments