

TRANSPORTATION ENGINEERING SERVICES

ROAD MODIFICATIONS APPROVAL (RMA) REPORTS UNDER DELEGATED AUTHORITY

INTERNAL ROUTING CHECKLIST

UNIT - Transportation Engineering Services	FILE NUMBER: RMA-2021-TPD-030
RECOMMENDATIONS: Staff recommend road works at Somerset Street West and Breezehill Avenue to install traffic signals with a new westbound left turn lane, and north-south pedestrian crossings, as described in this report.	
LOCATION: Somerset Street West and Breezehill Avenue intersection	

Revised Steps for the RMA			
	Office	Approval	
		Initials	Date
1.	Report Author	K. Jin	March 15, 2021
2.	Project Manager – Infrastructure Approvals	W. Dubyk	June 1, 2022
3.	Program Manager – Transportation Engineering Services	E. Murphy	June 30, 2022
Final Review and Approval			
	Office	Approval	
		Initials	Date
1.	Director of Transportation Planning	J. McEwen	June 30, 2022

CITY OF OTTAWA
ROAD MODIFICATION
APPROVAL UNDER DELEGATED AUTHORITY

DATE: March 15, 2021

RMA-2021-TPD-030

RECOMMENDATIONS

- Staff recommend road works at Somerset Street West and Breezehill Avenue to install traffic signals with a new westbound left turn lane, and north-south pedestrian crossings and as described in this report.

LOCATION

- Intersection of Somerset Street and Breezehill Avenue
- Ward 15, see Attachment 1.

BACKGROUND

- The road modifications are required to support a new development consisting of a 30-storey mixed-use building with providing 268 units, 141m³ commercial/retail floor space, and 191 underground parking spaces.
- Traffic signal control is requested at the intersection to address the inadequate intersection sight distance.
- The construction is tentatively scheduled for 2025.

COMPLIANCE WITH THE STRATEGIC ROAD SAFETY ACTION PLAN

The recommendations summarized in this report will help achieve the following objectives from the City's 2020 Strategic Road Safety Action Plan.

Reduce collisions involving a pedestrian, cyclist, or a motorcyclist by:

- Improving safety at intersections with high volume of traffic and pedestrian or cyclists.

Reducing collisions occurring at, or related to, an intersection by:

- Implementing left turns to mitigate left-turn collisions.

MODIFICATION OUTCOMES - BENEFITS AND IMPACTS

The recommendations summarized in this report will help achieve the following objectives from the City's current Transportation Master Plan:

- Section 4.1 – Build a Continuous, Well Connected Pedestrian Network
- Section 4.2 – Create a Walkable Environment
- Section 4.3 – Improve Pedestrian Safety and Promotion
- Section 5.1 – Build and Maintain a Network of Quality Cycling Facilities
- Section 5.3 – Improve Cycling Safety and Promotion
- Section 7.4 – Maximize Road Safety for All Users

Potential Benefits

- The proposed traffic signal control at the Somerset Street West and Breezehill Avenue intersection is to address the inadequate intersection sight distance.
- The new north-south crossings can improve pedestrian connectivity between Hintonburg Place and Breezehill Avenue as well as the Multi-Use Pathway on the east side of the Trillium O-Train line.

EXISTING ROAD CONDITIONS

- Somerset Street West is a two-lane arterial street with urban cross-section and designed parking lanes on both sides of the roadway. Somerset Street West is a designated truck route with a regulatory speed limit of 50km/h.
- Breezehill Avenue is a two-lane local road with urban cross section. It has a posted speed of 40km/h. On-street parking is permitted along the east side of Breezehill Avenue for approximately 70m south of Somerset Street West. On-street parking is permitted on the west side of Breezehill Avenue on weekends. A school bus loading zone is located on the west side of Breezehill Avenue south of the subject site, adjacent to the Devonshire Public School.
- Somerset Street West and Breezehill Avenue is a unsignalized intersection, with stop control on Breezehill Avenue and free flow on Somerset Street West. One lane on all approaches. An overpass over the O-Train corridor is located immediately east of the intersection. Textured crosswalk on the south approach.
- There was one angle collision reported for the period from 1 January 2014 to 31 December 2019. The collision occurred between a northbound left turning and eastbound through vehicle.

PROPOSED ROAD MODIFICATIONS

- It must be emphasized that the following road modifications (see Attachment 2) are conceptual and intended only to illustrate the proposed function. The approval of any detailed design of the road modifications stemming from this report will be subject to the City's detailed design review process.
- The detailed design review process will include requirements for roadside safety provisions, center medians, utility relocations, street lighting, drainage and other needs as deemed appropriate by the City.
- Any required easements or property requirements identified to implement the project as a result of the approved design review process will be the responsibility of the applicant to secure at their cost, to the satisfaction of the City of Ottawa.

Proposed road modifications:

- New traffic signals at the intersection with a new westbound left turn lane on the east approach
- New north-south pedestrian crosswalks at the intersection
- New painted center median at the west approach

FINANCIAL COMMENTS

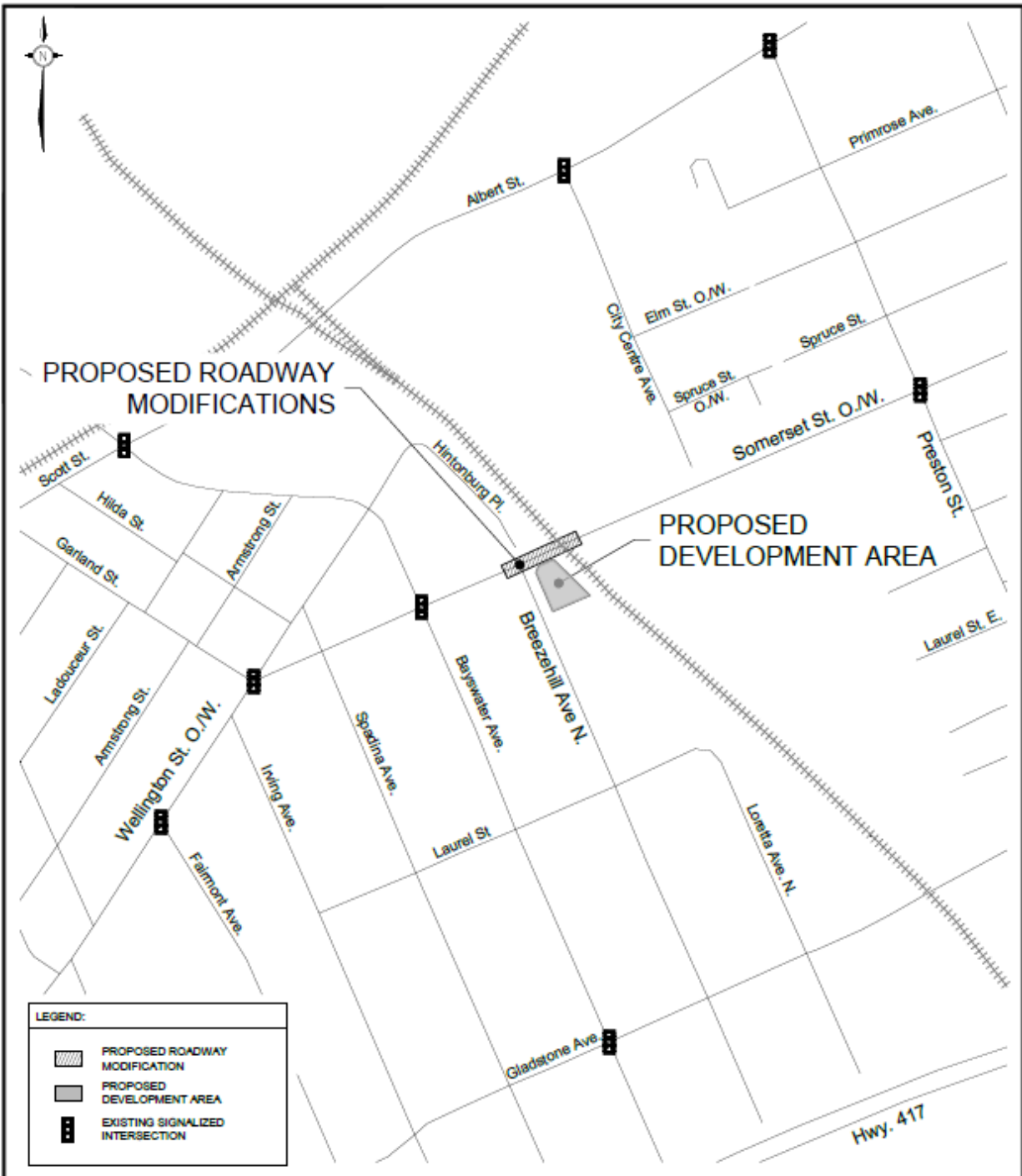
- Additional annual operating costs are estimated at \$11,500 in 2021 dollars.
- The total estimated cost for the work is approximately \$733,200 including construction, engineering and contingency.
- Securities for the proposed road modifications are to be held in the site plan agreement.

CONSULTATIONS

- Preliminary approval was received from the Project Manager of Infrastructure Approvals on 30 June 2022.

ATTACHMENTS

- Attachment 1 – Key Plan
- Attachment 2 – Proposed Road Modifications
- Attachment 3 – Proposed Road Modifications



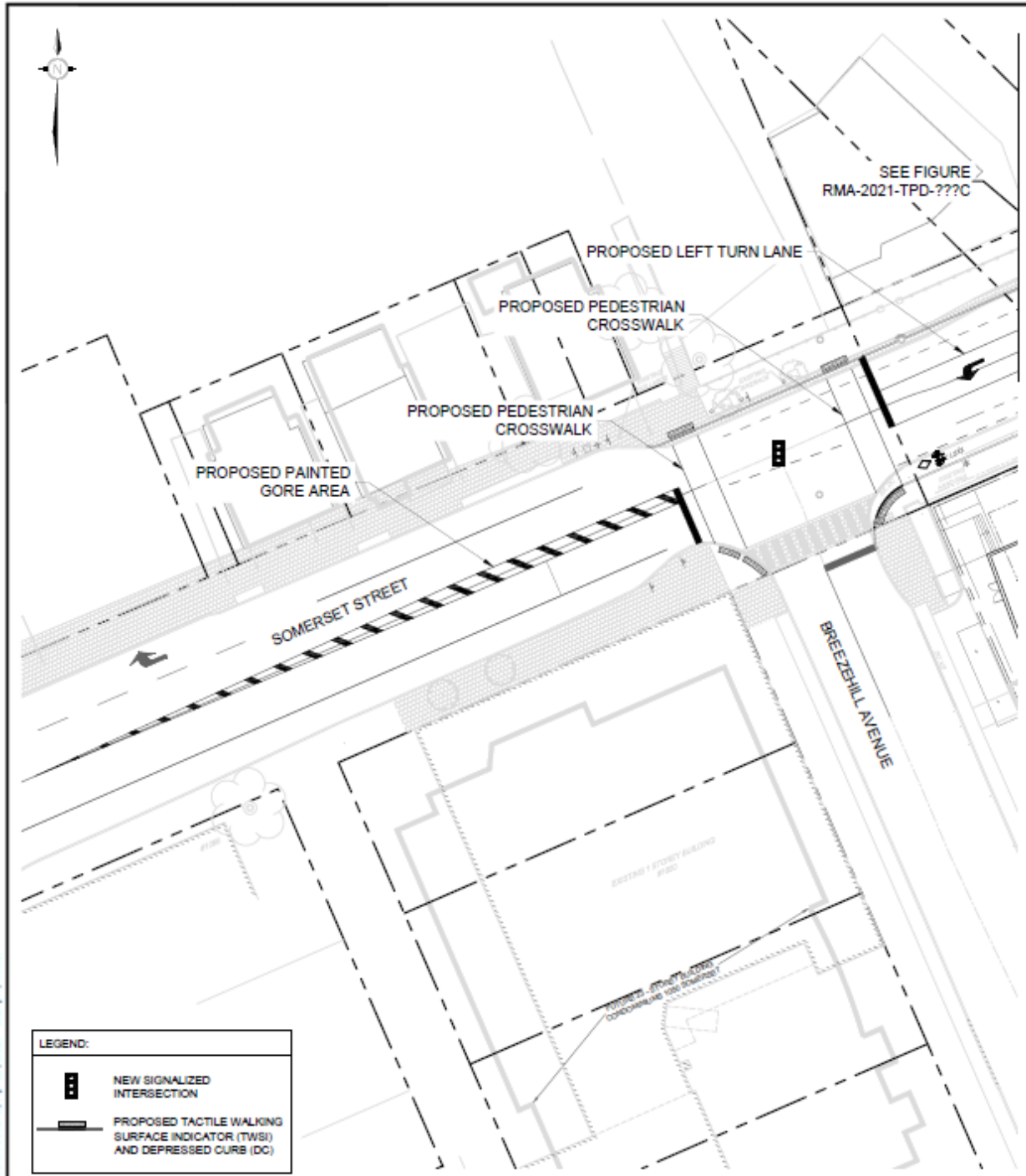
LEGEND:

	PROPOSED ROADWAY MODIFICATION
	PROPOSED DEVELOPMENT AREA
	EXISTING SIGNALIZED INTERSECTION

Ottawa
TRANSPORTATION SERVICES
DEPARTMENT

KEYPLAN
SOMERSET STREET & BREEZEHILL AVENUE

Transportation Engineering Services	
Approved By:	Drawing No.:
Completed By:	RMA-2021 -TPD-030A
Scale: N.T.S.	



LEGEND:	
	NEW SIGNALIZED INTERSECTION
	PROPOSED TACTILE WALKING SURFACE INDICATOR (TWSI) AND DEPRESSED CURB (DC)



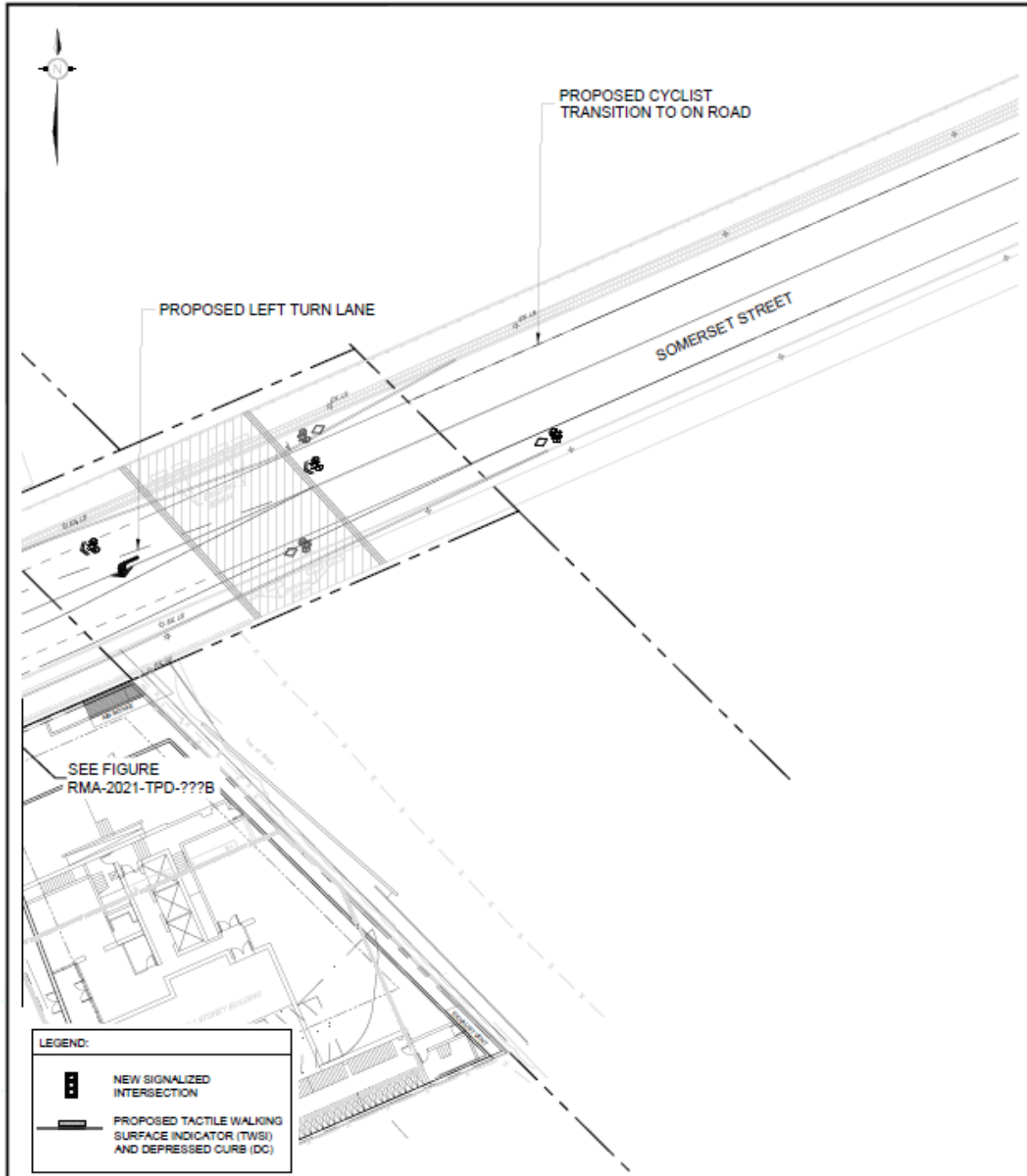
TRANSPORTATION SERVICES DEPARTMENT


PROPOSED ROADWAY MODIFICATION
SOMERSET STREET & BREEZE HILL AVENUE

Transportation Engineering Services

Approved By:	???
Completed By:	NOVATECH
Scale:	Date:
N.T.S.	APRIL 2021

Drawing No.:
RMA-2021-TPD-030B



 TRANSPORTATION SERVICES DEPARTMENT	PROPOSED ROADWAY MODIFICATION SOMERSET STREET & BREEZEHILL AVENUE	Transportation Engineering Services	
		Approved By: ???	Drawing No.:
		Completed By: NOVATECH	RMA-2021 -TPD-030C
		Scale: N.T.S.	