Agenda – Council – May 6, 2020

Report – Standing Policy Committee on Infrastructure Renewal and Public Works – April 21, 2020

Item No. 4 Update to the Manual of Temporary Traffic Control on City Streets

STANDING COMMITTEE RECOMMENDATION:

On April 28, 2020, the Executive Policy Committee concurred in the recommendation of the Standing Policy Committee on Infrastructure Renewal and Public Works submitted the following to Council:

1. That the "Manual of Temporary Traffic Control on City Streets, 2019 Edition" be rescinded, and that the attached "Manual of Temporary Traffic Control on City Streets, 2020 Edition" (Appendix A) be approved.

2. That the Proper Officers of the City be authorized to do all things necessary to implement the intent of the foregoing.

Report – Standing Policy Committee on Infrastructure Renewal and Public Works – April 21, 2020

DECISION MAKING HISTORY:

EXECUTIVE POLICY COMMITTEE RECOMMENDATION:

On April 28, 2020, the Executive Policy Committee concurred in the recommendation of the Standing Policy Committee on Infrastructure Renewal and Public Works and submitted the matter to Council.

Mark Cohoe, Executive Director, Bike Winnipeg, submitted a communication dated April 28, 2020, with respect to the matter.

STANDING COMMITTEE RECOMMENDATION:

On April 21, 2020, the Standing Policy Committee on Infrastructure Renewal and Public Works concurred in the recommendation of the Winnipeg Public Service and submitted the matter to the Executive Policy Committee and Council.

On February 4, 2020, the Standing Policy Committee on Infrastructure Renewal and Public Works granted an extension of time to its April 7, 2020 meeting for the Winnipeg Public Service to provide an update on the Manual of Temporary Traffic Control on City Streets, specifically regarding considerations for active transportation.

Mark Cohoe, Executive Director, Bike Winnipeg, submitted a communication dated February 4, 2020, with respect to the matter

On June 25, 2019, the Standing Policy Committee on Infrastructure Renewal and Public Works passed the following motion:

BE IT RESOLVED that the Winnipeg Public Service be directed to provide an update on the Manual of Temporary Traffic Control on City Streets, specifically regarding considerations for active transportation, and report back to the Standing Committee on Infrastructure Renewal and Public Works at its February 2020 meeting.

ADMINISTRATIVE REPORT

Title: Approval of the 2020 Edition of the Manual of Temporary Traffic Control on City Streets

Critical Path: Standing Policy Committee on Infrastructure Renewal and Public Works – Executive Policy Committee - Council

AUTHORIZATION

Author	Department Head	CFO	CAO
D. Patman, P. Eng.	J. Berezowsky	N/A	M. Ruta, Interim CAO

EXECUTIVE SUMMARY

This report recommends implementing the 2020 Edition of the Manual of Temporary Traffic Control on City Streets to replace the 2019 edition. This is a significant update to the Manual that incorporates national best practices in work zone safety, the introduction of new traffic control devices and work zone layouts specific to the accommodation of vulnerable road users, systems for improved accountability of work zone maintenance, and improves the process for construction agencies completing work in city rights of way.

RECOMMENDATIONS

1. That the “Manual of Temporary Traffic Control on City Streets, 2019 Edition” be rescinded, and that the attached “Manual of Temporary Traffic Control on City Streets, 2020 Edition” (Appendix A) be approved;

2. That the Proper Officers of the City be authorized to do all things necessary to implement the intent of the foregoing.

REASON FOR THE REPORT

By definition in the Street By-law (No.1481/77), new editions of the Manual of Temporary Traffic Control on City Streets require approval by Council.

On June 25, 2019 the Standing Policy Committee on Infrastructure Renewal and Public Works directed the Winnipeg Public Service to provide an update on the Manual of Temporary Traffic Control on City Streets, specifically regarding considerations for active transportation, and report back to the Standing Committee on Infrastructure Renewal and Public Works at its February 2020 meeting. An extension of time was approved at the February meeting.

IMPLICATIONS OF THE RECOMMENDATIONS

There are no costs associated with the recommendation. The 2020 Manual will be made available electronically on the City's website.

HISTORY/DISCUSSION

"The Manual of Temporary Traffic Control on City Streets, 2019 Edition" was approved by Council on February 28, 2019.

Temporary traffic control signs and devices on Winnipeg streets are regulated by provisions contained in the Manual of Temporary Traffic Control on City Streets (Manual). All contractors, utilities, and City Departments, as well as special events and film productions authorized under a Use of Street Permit, are obliged to follow the provisions in this Manual to maintain the safety of their workers and the public that uses these streets.

Periodically, this Manual is revised in response to changing circumstances, new technologies, product enhancement, improvements in device arrangement, new and revised Provincial regulations, and updated Canadian guidelines.

It is proposed that the existing "The Manual of Temporary Traffic Control on City Streets, 2019 Edition" be replaced with a 2020 edition. This 2020 edition has three primary objectives:

1. to better align with the Manual of Uniform Traffic Control Devices for Canada, 5th edition, and the National Guidelines for Work Zone Safety in Canada, both published by the Transportation Association of Canada,
2. to improve the process for construction agencies to plan and coordinate work within the City's rights-of-way, and
3. to create a framework for construction agencies to take on additional temporary traffic control responsibilities previously under the Traffic Services Branch of Public Works. Many sections of the Manual impact the services of other City of Winnipeg departments.

Legal Services, Property Planning & Development, Water and Waste, Winnipeg Parking Authority, and Winnipeg Transit were all consulted on changes in the Manual that impact their departments.

The 2020 edition (Appendix A) contains the following substantial changes as compared to the 2019 edition:

1. "Authorized Construction Agency" is added to the list of interpretations to refer to persons or organizations that have been approved by the Traffic Management Branch to install Regulatory signage for work zones. The Traffic Management Branch can authorize construction agencies to set up entire work zones, including regulatory signage, Designated Construction Zones, and reduced speed zones. (Sections 1.03, 2.02, 3.04, 3.05)
2. The Construction agency requirements section has been reorganized based on the timeline requirements of tasks. The general checklist has been replaced with a flowchart. (Section 2.01)

3. The work zone considerations for pedestrian and bicycle travel have been updated to include more detail about the signage and physical accommodations required for particular facility types and locations. (Section 3.07.01)
4. A new section under work zone considerations, Transit Stops and Transit Users, has been added to describe temporary traffic control features to ensure the safety and accessibility of bus stops that are maintained in a work zone. (Section 3.07.02)
5. The Warning, Regulatory, and Information Sign figures have been reorganized and updated to include new SIDEWALK CLOSED, SIDEWALK CLOSED AHEAD CROSS HERE, and the YIELD AHEAD sign. (Section 5.02.01)
6. A section for Pedestrian Traffic Control Devices has been added, including descriptions of pedestrian channelization devices, temporary curb ramps, and covered walkways. (Section 5.02.07)
7. The section on Reflectorized Road Marking Tape has been expanded to Temporary Road Markings to also include Temporary Overlay Markers (TOMs). (Section 5.02.08)
8. Work Zone traffic control spacing requirements and illustrations have been updated to reflect national guidelines. Longitudinal buffer zones have been added to all long duration setups. (Section 5.04)
9. Illustrations have been added for Transit Stops away from the Curb, Long Term Protected Bike Lane Diversions, and Short Term Closure of Half of a Non-Regional Street. Illustrations have been significantly updated for Long Term Closure of a Sidewalk or Path, and Long Term Closure of Half of a Non-Regional Street. (Section 5.04)

The above changes will improve the safety of road users and workers, and make work zones more accessible for pedestrians and cyclists. New temporary traffic control devices such as prefabricated curb ramps, pedestrian channelization devices, temporary bus platforms, and new sidewalk closure signs will serve as additional tools to ensure work zones are navigable for all pedestrians. New figures have been added to the Manual to illustrate typical temporary traffic control plans when sidewalks or bike lanes are diverted into the curb lane, and when transit stops must board and alight from the second lane or median. The illustrations of typical temporary traffic control for long term work have been updated to include longitudinal buffer zones and new spacing for tapers, delineation devices, and signage. These changes bring the City's Manual in line with many national best practices and improve safety for motorists and workers.

The section of the Manual outlining construction agency responsibilities has been reorganized and a flowchart has been added to provide a clear path for agencies to notify impacted stakeholders, coordinate with the required City departments, and request approval for lane and sidewalk closures.

Introducing the concept of an Authorized Construction Agency will allow contractors, consultants, and various City departments to take on more responsibility for their temporary traffic control. Through reviewing and approving detailed temporary traffic control plans, the Traffic Management Branch will permit these agencies to set up their own regulatory signs, Designated Construction Zones, and reduced speed zones. This will create a more efficient process for many projects and it will improve enforcement and compliance by directly involving more parties in the maintenance of work zones.

The potential exists for changes to the Provincial Regulations regarding Designated Construction Zones (Regulation 145/2014) after the 2020 Manual of Temporary Traffic Control in City Streets is approved. Updates to the current manual edition regarding Designated Construction Zones will be made by the Department of Public Works Traffic Management Branch as necessitated by a potential future regulatory change.

Once the 2020 Edition of the Manual has been approved, a letter advising of the new edition and indicating how a 2020 Manual can be accessed on the City's website will be emailed to sign manufacturers, licensed contractors, BIZ groups, project managers, crane operators, developers, consultants, utilities and internal City staff. In the event that updates to the Manual are required, updates will be made to the electronic version online and stakeholders will be notified of the update via email as per the above.

FINANCIAL IMPACT

Financial Impact Statement **Date:** April 8, 2020

Project Name:

Approval of the 2020 Edition of the Manual of Temporary Traffic Control on City Streets

COMMENTS:

There are no financial impacts associated with the recommendations of this report.

"Original signed by J. Peters, CPA, CGA"
J. Peters CPA, CGA
Acting Manager of Finance & Administration

CONSULTATION

This Report has been prepared in consultation with: N/A

OURWINNIPEG POLICY ALIGNMENT

The recommendation of this report is aligned with the key strategies of promoting sustainable transportation and safety on streets and sidewalks. The 2020 Manual aligns with the Sustainable Transportation strategy by introducing standards for maintaining high levels of accessibility to our transit system and active transportation network of sidewalks and bicycle facilities during work on Winnipeg's streets.

The Manual aligns with Our Winnipeg's Safety and Security direction (01-2a) by providing minimum requirements to maintain safe conditions for motorists, cyclists, pedestrians and workers where temporary conditions are present in the public right-of-way.

WINNIPEG CLIMATE ACTION PLAN ALIGNMENT

The recommendation of this report aligns with the Emission Reduction Sector Targets of Winnipeg's Climate Action Plan by improving the accessibility of public transit and walking/cycling throughout work zones. The 2020 Manual provides increased guidance on

improving access to our AT and public transit networks by way of new temporary traffic control devices and temporary traffic control plans.

SUBMITTED BY

Department:	Public Works
Division:	Transportation
Prepared by:	Morgan Glasgow, P.Eng, Traffic Network Engineer Colleen Flather, P.Eng., Traffic Management Engineer
Date:	April 9, 2020

Attachments: Appendix A – 2020 Manual of Temporary Traffic Control on City Streets