Agenda – Executive Policy Committee – March 12, 2008

Report – Standing Policy Committee on Infrastructure Renewal and Public Works Committee – March 4, 2008

Item No. 1 Manual of Temporary Traffic Control in Work Areas on City Streets, 2008 Edition
File ST-5

STANDING COMMITTEE RECOMMENDATION:

On March 4, 2008, the Standing Policy Committee on Infrastructure Renewal and Public Works concurred in the recommendation of the Winnipeg Public Service and submits the following to Council:

1. That the "Manual of Temporary Traffic Control in Work Areas on City Streets, 2003 Edition" and the revisions thereto be rescinded, and that the "Manual of Temporary Traffic Control in Work Areas on City Streets, 2008 Edition" be adopted.

2. That the Streets By-law No. 1481/77 and the City of Winnipeg Traffic By-law No. 1573/77 be amended as outlined in draft bylaw contained in the report dated February 20, 2008, by deleting references to the "Manual of Temporary Traffic Control in Work Areas on City Streets, 2003 Edition" and substituting "Manual of Temporary Traffic Control in Work Areas on City Streets, 2008 Edition.

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

Agenda – Executive Policy Committee – March 12, 2008

Report – Standing Policy Committee on Infrastructure Renewal and Public Works Committee – March 4, 2008

DECISION MAKING HISTORY:

STANDING COMMITTEE RECOMMENDATION:

On March 4, 2008, 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.

RE: MANUAL OF TEMPORARY TRAFFIC CONTROL IN WORK AREAS ON CITY STREETS, 2008 EDITION

FOR SUBMISSION TO:	**STANDING POLICY COMMITTEE ON INFRASTRUCTURE RENEWAL AND PUBLIC WORKS**
ORIGINAL REPORT SIGNED BY:	**DIRECTOR OF PUBLIC WORKS**
REPORT DATE:	**February 20, 2008**

RECOMMENDATION(S): That:

1. The "Manual of Temporary Traffic Control in Work Areas on City Streets, 2003 Edition" and the revisions thereto be rescinded, and that the attached "Manual of Temporary Traffic Control in Work Areas on City Streets, 2008 Edition" be adopted;
2. The Streets By-law No. 1481/77 and The City of Winnipeg Traffic By-law No. 1573/77 be amended as per the attached Draft By-law by deleting references to the "Manual of Temporary Traffic Control in Work Areas on City Streets, 2003 Edition" and substituting "Manual of Temporary Traffic Control in Work Areas on City Streets, 2008 Edition.

Report Summary

Key Issues:

1. Standards for the placement of temporary traffic control signs and devices on Winnipeg streets are regulated by provisions contained in "The Manual of Temporary Traffic Control in Work Areas on City Streets".
2. The requirement to comply with the provisions of this Manual is contained in both The Streets By-law No. 1481/77 and The City of Winnipeg Traffic By-law No. 1573/77.
3. Periodically, this Manual is revised in response to changing circumstances, new technologies, product enhancement, improvements in device arrangement, and up-dated Canadian standards. In these respects, the most significant change in the new Manual is an upgrade in the retroreflective sheeting standard on all temporary signs and a requirement to use fluorescent orange sheeting on all temporary orange signs by 2012. The four year time frame for implementation is thought to be reasonable for industry as it is consistent with previous timelines for upgrades in sheeting standards and is longer than the three year lifecycle of the sheeting products.
4. Significant text revisions have been made to make the Manual more user friendly and to more clearly define the responsibilities of Construction Agencies, particularly as they relate to work on Regional Streets.

Implications of the Recommendation(s):

General Implications

- [ ] None
- [x] For the organization overall and/or for other departments
- [x] For the community and/or organizations external to the City
- [ ] Involves a multi-year contract

Comment(s): All contractors, utilities and city departments are obliged to follow the provisions in this Manual to maintain the safety of their workers and the public that uses these streets.

Policy Implications

- [x] No
- [ ] Yes

Comment(s):

Regulatory Implications

- [x] None
- [ ] Eliminates or reduces regulatory impact
- [ ] Proposes regulatory impact

Comment(s):

Environmental Implications

- [x] No
- [ ] Yes

Comment(s):

Human Resources Implications

- [x] No
- [ ] Yes

Comment(s):

Financial Implications

x Within approved current and/or capital budget
Current and/or capital budget adjustment required

Comment(s): A fee will be incurred for printing of this Manual.

Report

REASON FOR THE REPORT:

Amendments to The Streets By-law No. 1481/77 and The City of Winnipeg Traffic By-law No. 1573/77 require approval by the Standing Policy Committee on Infrastructure Renewal and Public Works prior to adoption by Council.

HISTORY:

"The Manual of Temporary Traffic Control in Work Areas on City Streets, 2003 Edition" was approved by Council on December 11, 2002.

DISCUSSION:

The Manual of Temporary Traffic Control in Work Areas on City Streets contains information to ensure safe conditions for motorists, cyclists, pedestrians and workers on City streets where unusual and temporary conditions exist as a result of work being conducted within the public right-of-way. The Manual shows arrangements for effective traffic control, applications of the methods of work site enclosure, general principles and detailed methods of temporary traffic control for many typical circumstances. The responsibilities of any City Department, utility company or private contractor or any other persons responsible for the undertaking of work on any section of a public right-of-way in The City of Winnipeg are defined in this Manual.

The requirement to comply with the provisions of this Manual is contained in both The Streets By-law No. 1481/77 and The City of Winnipeg Traffic By-law No. 1573/77. The last version of this Manual is the 2003 Edition.

Over time, traffic operating circumstances change, new technologies, equipment and methodologies emerge, products are enhanced, and the Transportation Association of Canada Council of Uniform Traffic Control Devices for Canada adopts revised standards for signs and devices.

"The Manual of Temporary Traffic Control in Work Areas on City Streets, 2008 Edition" includes revisions that are deemed to be superior for safe and efficient temporary traffic control in urban areas. The most significant change in the new Manual is an upgrade in the retroreflective sheeting standard on all temporary signs and a requirement to use fluorescent orange sheeting on all temporary orange signs by 2012. The four year time frame for implementation is thought to be reasonable for industry as it is consistent with previous timelines for upgrades in sheeting standards and is longer than the three year lifecycle of the sheeting products.

In addition to the upgrade in sheeting requirements, significant text revisions have been made to make the Manual more user friendly and to more clearly define the responsibilities of Construction Agencies, particularly as they relate to work on Regional Streets.

Some of the more significant changes that are included in the 2008 Edition of the Manual are:

1. The definition for 'Construction Agency' has been revised to indicate explicitly that City Departments, utility companies and private contractors are included within the definition.
2. Signs and devices contained in the Fourth Edition of the Manual of Uniform Traffic Control Devices for Canada have been approved by The Highway Traffic Board of Manitoba for use on streets in Winnipeg. The Manual reflects this approval.
3. As of January 1, 2012 all retroreflective sheeting on temporary traffic signs, barricades and devices must be a minimum Type VIII retroreflective sheeting (ASTM D4956).
4. As of January 1, 2012 all orange retroreflective sheeting on temporary traffic signs, barricades and devices must be fluorescent orange retroreflective sheeting.
5. Information regarding seminars conducted by the Public Works Department for use of the Manual is provided.
6. Responsibilities of the Traffic Management Section of the Public Works Department are outlined.
7. Circumstances under which the Traffic Services Branch of the Public Works Department is responsible for all traffic control are specifically outlined.
8. Short term sign setups on streets with 70 km/h posted speed limits must be supplemented with advance warning signs TC-2 and TC-5.
9. Moving worksites on streets with a 70 km/h posted speed will require a truck with a flashing or sequential arrow traffic control device.
10. New figures showing use of flashing or sequential arrow traffic control devices for long term and short term sign setups have been added (Figures 5b and 21b).
11. 'Double Arrow with Left Turn Lane' and 'Double Arrow with Right Turn Lane' signs have been added to the Manual with figures illustrating their usage (Figures 4b and 4c)
12. Design of the rectangular 'Road Closed' sign has been modified.
13. The Workplace Health and Safety Regulation, Manitoba Regulation 217/2006, reference for covered walkways is an update to reflect the change in the Provincial Regulation.

Financial Impact Statement

Date: February 13, 2008

Project Name:

Manual of Temporary Traffic Control In Work Areas On City Streets, 2008 Edition

First Year of Program

2008

	2008	2009	2010	2011	2012
Capital					
Capital Expenditures Required					
Less: Existing Budgeted Costs					
Additional Capital Budget Required	$ -	$ -	$ -	$ -	$ -
Funding Sources:					
Debt - Internal					
Debt - External					
Grants (Enter Description Here)					
Reserves, Equity, Surplus					
Other - Enter Description Here					
Total Funding	$ -	$ -	$ -	$ -	$ -
Total Additional Capital Budget Required	$ -				
Total Additional Debt Required	$ -				
Current Expenditures/Revenues					
Direct Costs	$ 9,000				
Less: Incremental Revenue/Recovery					
Net Cost/(Benefit)	$ 9,000	$ -	$ -	$ -	$ -
Less: Existing Budget Amounts	9,000				
Net Budget Adjustment Required	$ -	$ -	$ -	$ -	$ -

Additional Comments: Cost is based on 800 printed copies of the Manual

"Original Signed by Darcy Stewart, CA"

Manager of Finance & Administration

IN PREPARING THIS REPORT THERE WAS:

Internal Consultation With and Concurrence By:

Legal Services Division

External Consultation With:

THIS REPORT SUBMITTED BY:

Department	Public Works Department
Division	Transportation Engineering Division
Prepared by:	Stephen Chapman, P. Eng. 986-5028
Processed by:	Kathy Ross 986-4141
File No.	OR-03
File Name:	C:\Documents and Settings\kross1\Local Settings\Temporary Internet Files\OLK1C9\Manual of Temporary Traffic Control 08 Report (5).doc

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ATTACHMENT "A"

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THE CITY OF WINNIPEG

BY-LAW NO.

A By-law of THE CITY OF WINNIPEG to amend the Streets By-law and the City of Winnipeg Traffic By-law to refer to the Manual of Temporary Traffic Control in Work Areas on City Streets, 2008 Edition.

THE CITY OF WINNIPEG, in Council assembled, enacts as follows:

Streets By-law amended

1. The Streets By-law No. 1481/77 is amended by striking out *Manual of Temporary Traffic Control in Work Areas on City Streets, 2003 Edition* wherever it appears and substituting *Manual of Temporary Traffic Control in Work Areas on City Streets, 2008 Edition.*

Traffic By-law amended

2. The City of Winnipeg Traffic By-law No. 1573/77 is amended by striking out *Manual of Temporary Traffic Control in Work Areas on City Streets, 2003 Edition* wherever it appears and substituting *Manual of Temporary Traffic Control in Work Areas on City Streets, 2008 Edition.*

DONE AND PASSED, in Council assembled, this day of , 2008.

_____
Mayor

_____
City Clerk

Approved as to content:

_____
Director of Public Works

Certified as to form:

_____
City Solicitor/Manager of
Legal Services
2010