

Report to:



## **Traffic (Victoria Avenue) Bridge 2007 Bridge Inspection Report Main Truss Spans**

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# TRAFFIC (VICTORIA AVENUE) BRIDGE 2007 Bridge Inspection Report Main Truss Spans

NOVEMBER 2007

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Reviewed by [Signature] Date DEC 10/2007  
Rick Haldane-Wilson, P.Eng.

## REVISION HISTORY

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REV. NO	ISSUE DATE	PREPARED BY AND DATE	REVIEWED BY AND DATE	APPROVED BY AND DATE	DESCRIPTION OF REVISION

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## 1.0 INTRODUCTION

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Wardrop Engineering Inc. (Wardrop) was retained by the City of Saskatoon (City) to undertake a detailed visual inspection of the main truss spans of the ageing Traffic (Victoria Avenue) Bridge. The inspection took place on October 3<sup>rd</sup>, and October 4<sup>th</sup>, 2007. The weather for both days was generally cloudy and windy, with a temperature ranging between 5°C to 15°C. The inspection of the above deck portions of the main truss was conducted from deck level using an articulated Z35 Genie lift. Wardrop was also able to undertake visual inspection of the floor beams, deck stringers, and lower sway bracing of Span 1 between Joints L2 and L5. The inspections were performed by Mr. Rick Haldane-Wilson, P.Eng. and Mr. Carlos Mota, P.Eng.

The intent of the inspection was to report on any notable deficiencies with the truss structure, noting that the lower chord, lower chord connections, and bearings were not accessible. Special access must be arranged to properly inspect the below deck superstructure. This report documents the findings of Wardrop and provides recommendations to the City, for consideration, with respect to future inspection work and maintenance.