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<b>TO:</b>	<b>CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON MONDAY, APRIL 2, 2012</b>
<b>FROM:</b>	<b>JOHN BRAAM, P.ENG. ACTING EXECUTIVE DIRECTOR, PLANNING, ENVIRONMENTAL &amp; ENGINEERING SERVICES &amp; CITY ENGINEER</b>
<b>SUBJECT:</b>	<b>CONDITION SURVEY RESULTS ON MANHOLES IN MAJOR INTERSECTIONS</b>

### RECOMMENDATION

That, on the recommendation of the Acting Executive Director, Planning, Environmental and Engineering Services and City Engineer, this report **BE RECEIVED** for information.

### BACKGROUND

#### Purpose

The purpose of this report is to provide final results of a condition survey that was carried out on existing maintenance holes, within the City of London's major intersections.

#### Background

On June 11, 2011, an existing sanitary maintenance hole located at the intersection of Richmond St. and Oxford St. collapsed. Replacement of the maintenance hole created significant disruption to vehicular and pedestrian traffic and to nearby local businesses. The maintenance hole was replaced by City forces on an emergency basis.

As a result of the maintenance hole collapse, an informal request was made by the Mayor during a Built & Natural Environment Committee meeting, requiring Administration to carry out a condition survey on existing maintenance holes located within the city's major intersections. This proactive request was carried out under a formal quotation process. Based on the submissions received, the Purchasing & Supply Division awarded the lowest bidder, Infratech Sewer & Water Services Inc. to carry out the work specified under the provisions of the quotation, in the amount of \$22,500 (excl. HST). The condition survey was financed through Wastewater & Treatment's Operating budget.

In total, 287 storm and sanitary manholes within 187 of the city's busiest intersections were condition rated, using industrial standard Manhole Assessment Certification Program (MACP) coding. Of the 287 manholes surveyed, none posed an immediate threat of collapse. The condition survey however identified a number of minor repairs representing 8% of the total surveyed. Deficiencies have been prioritized and converted into an action plan to be addressed by City forces through the annual operation program.

#### Summary

Results of the condition survey are favourable in that none of the existing maintenance holes surveyed requires immediate attention to mitigate an imminent collapse. Minor repairs will be addressed by City forces through its annual operating program.

Going forward the City will continue to explore its aging infrastructure through its annual CCTV program and the trunk sewers through the Trunk Inspection program. This includes the monitoring of 80 year old sewers and sewers in fair condition at defined intervals.

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### **Acknowledgements**

This report was prepared by Rick Pedlow of the Sewer Operations Division and by Rick Kaczmarczyk of the Construction Administration Division.

<b>SUBMITTED BY:</b>	<b>RECOMMENDED BY:</b>
<b>RICK PEDLOW, C.E.T. DIVISION MANAGER OF SEWER OPERATIONS</b>	<b>JOHN BRAAM, P.ENG. ACTING EXECUTIVE DIRECTOR, PLANNING, ENVIRONMENTAL &amp; ENGINEERING SERVICES &amp; CITY ENGINEER</b>

C: Rick Kaczmarczyk, Manager Maintenance & Construction