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2014 OPERATING BUDGET BRIEFING NOTE

Transportation Services – Expansion of Red Light Camera Locations

Issue/Background:

The purpose of this Briefing Note is to respond to the following request at the December 12, 2013 Budget Committee meeting, that:

“The General Manager, Transportation Services, provide a briefing note on the current number of red light cameras in service, the number currently being replaced, and the cost and potential locations to double the total number across the city to reduce traffic fatalities”

Key Points:

Current Number of Red Light Cameras In Service

- 77 cameras currently in service; see Appendix "A" for locations.
- Cameras are leased under contract with Traffipax LLC until December 31, 2016.

Number of Red Light Cameras Currently Being Replaced

- In addition to the 77 cameras above, 10 cameras had been rotated through 38 locations until November 2012. This was the first phase of red light camera implementation and was started as a pilot project in 2000. The cameras and locations were not replaced following expiry of the contract with Xerox in 2012.
- All 77 red light cameras currently in operation (known as 'Phase 2') will remain in operation until the end of 2016 at their current locations. No cameras are being relocated, removed or added.
- A third phase of red light cameras is planned for 2017 to 2022. The number of cameras to be included has not yet been determined. A request for proposals is expected to be released in 2014, following Committee and Council approval.

Cost to Double the Total Number of Red Light Camera Locations (from 77 to 154)

- The existing contract with Traffipax LLC does not contain a provision to increase the number of camera locations mid-contract.

- The addition of camera locations prior to January 1, 2017 would require negotiation with the supplier, as well as a purchase order amendment.
- Increasing the number of camera locations will require an increased number of staff to process photographic evidence, lay charges, and provide clerical support. Doubling the number of cameras would require an estimated four additional FTEs, three of which would need to be designated as Provincial Offences Officers by the Ministry of Transportation.
- The lead time for negotiations, purchase order amendment and designation of additional staff as Provincial Offences Officers is estimated to take a minimum of six months.
- Following the points above, a cost estimate for the implementation of additional cameras cannot yet be determined.
- Due to the reduced amortization period (nearly half) for the supplier to spread the capital cost, it is anticipated that additional camera locations would be provided at a significantly increased monthly cost.

Revenue from Additional Red Light Cameras

- Existing red light cameras have been installed at locations based on where they would have the highest potential impact in reducing collisions as determined by the recorded number of collisions attributed to red light running.
- It is assumed that additional cameras would be located in areas that will experience a lower number of infractions than the current 77 cameras.
- As indicated above, implementation of cameras will require at least a six-month lead time. If implemented in 2014, revenue will be less than for a full year of operation.

Net Cost to Double the Total Number of Red Light Camera Locations (from 77 to 154)

- Given the constraints in implementing additional red light cameras outlined above, a very preliminary assessment by staff concludes that cost recovery is not possible in 2014.
- The net cost or revenue to the City for cameras installed in 2014, but continuing to operate in 2015 and 2016, is not yet determinable.

Potential Additional Red Light Camera Locations

Additional red light camera locations would be selected based upon a thorough review of the collision history at all traffic control signals within the City of Toronto. Locations with the highest frequency of collisions attributed to red light running will be reviewed to determine the feasibility of operating these enforcement systems effectively. This analysis requires considerable time to complete and as such a list of potential additional red light cameras is not available at this time.

Potential to Reduce Traffic Fatalities

It is not possible to identify a potential reduction in traffic fatalities from the implementation of an increased number of cameras as red light running is no longer a common contributing factor to fatal collisions.

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Appendix "A"

77 Red Light Camera Systems – Currently in Operation

Adelaide St.	Spadina Ave.
Albion Rd.	Finch Ave.
Albion Rd.	Silverstone Dr.
Bathurst St.	Davenport Rd.
Bathurst St.	Sheppard Ave.
Bayview Ave.	Cummer Ave.
Bayview Ave.	Fifeshire Rd. /Truman Rd.
Birchmount Rd.	Huntingwood Dr.
Bloor St.	Dundas St.
Bloor St.	Ossington Ave.
Bloor St.	The West Mall
Burnhamthorpe Rd.	The East Mall
College St.	Bathurst St.
Danforth Ave.	Birchmount Rd.
Danforth Ave.	Greenwood Ave.
Danforth Rd.	Birchmount Rd.
Dixon Rd.	Carlingview Dr.
Dixon Rd.	Kipling Ave.
Dufferin St.	Glencairn Ave
Dupont St.	Lansdowne Ave.
Dundas St.	Jarvis St.
Eastern Ave.	Coxwell Ave.
Eglinton Ave.	Birchmount Rd.
Eglinton Ave.	Bermondsey Rd. / Sloane Ave.
Eglinton Ave.	Mount Pleasant Rd.
Eglinton Ave.	Spadina Rd.
Eglinton Ave.	Victoria Park Ave.
Ellesmere Rd.	Kennedy Rd.
Ellesmere Rd.	Military Trail
Finch Ave.	Leslie St.
Finch Ave.	Willowdale Ave.
Islington Ave.	The Westway
Jane St.	Clair Rd. / Spenvally Dr.
Jane St.	Bala Ave. / Emmett Ave.
Jarvis St.	King St.
Keele St.	Lawrence Ave.
Keele St.	Wilson Ave.
Keele St.	Rogers Rd.
Kingston Rd.	Port Union Rd. / Sheppard Ave.
Kipling Ave.	Horner Ave.
Lower Jarvis St.	The Esplanade
Lake Shore Blvd.	Leslie St.
Lake Shore Blvd.	Carlaw Ave.

Lake Shore Blvd.	Thirty Seventh St.
Lake Shore Blvd. W/B	York St.
Lake Shore Blvd.	Windermere Ave.
Lawrence Ave.	Bathurst St.
Lawrence Ave.	Bellamy Rd.
Lawrence Ave.	Don Mills Rd.
Lawrence Ave.	Morningside Ave.
Lawrence Ave.	Marlee Ave.
Leslie St.	Lawrence Ave.
Leslie St.	York Mills Rd.
Midland Ave.	McNicoll Ave.
Midland Ave.	Progress Ave.
O' Connor Dr.	Bermondsey Rd. / Yardley Ave.
Overlea Blvd.	Beth Neilson Dr. / Thorncliffe Park Dr.
Queen St.	Jameson Ave. / Landsdowne Ave.
Queen St.	Woodbine Ave.
Richmond St.	Parliament St.
Sheppard Ave.	Keele St.
Sheppard Ave.	Malvern St. / Progress Ave.
Sheppard Ave.	Neilson Rd.
Sheppard Ave.	Wilson Heights Blvd.
St. Clair Ave.	Brimley Rd.
Steeles Ave.	Birchmount Rd.
Steeles Ave.	Brimley Rd.
Steeles Ave.	Carpenter Rd.
Steeles Ave.	Hilda Ave.
Steeles Ave.	Islington Ave.
The Queensway	North Queen St.
The Queensway	The West Mall
Warden Ave.	Arkona Dr. / Cloverleaf Gt.
Warden Ave.	Comstock Rd.
Warden Ave.	McNicoll Ave.
Wilson Ave.	Transit Rd.
Yonge St.	Lawrence Ave.