



## STAFF REPORT INFORMATION ONLY

### Completion of the Pedestrian Countdown Signal (PCS) Installation Plan

<b>Date:</b>	November 7, 2007
<b>To:</b>	Public Works and Infrastructure Committee
<b>From:</b>	General Manager, Transportation Services
<b>Wards:</b>	All Wards
<b>Reference Number:</b>	PW07001.TMC

#### SUMMARY

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To report on the Transportation Services Division plan for the installation of pedestrian countdown signals.

#### FINANCIAL IMPACT

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All funds required to complete this program are contained in the Light Emitting Diode (LED) Traffic Signal Lamp Conversion Capital Program, CTP704-20 in the amount of \$1,000,000 and CTP705-20 in the amount of \$16,700,000 for a total of \$17,700,000 approved by City Council.

The Deputy City Manager and Chief Financial Officer has reviewed this report and agrees with the financial impact statement.

#### DECISION HISTORY

City Council, in its meeting dated June 27, 28 and 29, 2006, approved the inclusion of pedestrian countdown signals as a standard component of all LED traffic control signal installations. City Council also directed staff to report back following the 2006/2007 installation program, with a plan for the timely and cost-effective retrofit of pedestrian countdown signals (PCS) to the approximately 500 intersections where conversion from incandescent to LED traffic signal lamps had already been completed.

## ISSUE BACKGROUND

As of October 1, 2007, pedestrian countdown signals have been installed at 293 locations. Of these, 267 were locations where existing traffic control signals were retrofitted with PCS and 26 were new traffic control signal installations which included PCS. Transportation Services plans to install pedestrian countdown signals at approximately 1,100 locations by the end of 2008 and an additional 496 in 2009, as part of an accelerated LED conversion program. An additional 100 intersections that currently do not have all the necessary flashing don't walk hardware and programming will be also be retrofitted by the end of 2009 as part of the routine traffic signal plant modification and upgrade programs.

At the end of this program, approximately 80 intersections in the City will remain without PCS. These intersections provide specialized traffic signal operation to serve pre-emption for railways, firehalls or transit priority. The specialized operation precludes the use of current-technology PCS. Staff are reviewing the options that are available for incorporation of PCS at these 80 locations and will install PCS when feasible.

PCS Installed with LED Program				PCS Installed at New TCS	PCS Not to be Installed	Total
2006	2007	2008	2009			
267	260	840	596	26	80	2069

## COMMENTS

The installation of PCS, is a component of the LED conversion program and the total cost of the completion of this program is \$17,230,000 within the approved Capital Budget of \$17,700,000. To date, approximately \$4.5M has been spent.

## CONTACT

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## SIGNATURE

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