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CITY OF CAMBRIDGE • EXECUTIVE DEPARTMENT

Robert W. Healy, City Manager

Richard C. Rossi, Deputy City Manager

December 9, 2002

To The Honorable, The City Council:

In response to Awaiting Report Item No. 02-106, regarding the installation of LED traffic lights and information on the funding for the lights, Traffic, Parking & Transportation Director Susan Clippinger reports the following:

The Traffic, Parking and Transportation Department has completed the first phase of the city's multi-phase LED traffic signal head conversion program. This phase consisted of upgrading 12 intersections from standard lamps to LED lamps. These locations included many intersections on Broadway, Hampshire Street and Cambridge Street. Last week, the department forwarded a request to NStar for reimbursement for Phase 1. NStar's reimbursement covers roughly 75% of the cost of the LED insert, while the city pays for the installation.

The second phase of the city's LED traffic signal head conversion has started and should be completed within the next 75 days. These locations include all the intersections on Massachusetts Avenue from Waterhouse Street to the Arlington town line and the intersections of Quincy Street at Broadway and Cambridge Street. The Traffic Engineering Division is currently working on the list for Phase III. Phase III is scheduled to start in April 2003.

Preliminary data has shown an average savings of 60% on the traffic signal electric bills. Some intersections have seen savings of 80%, while others has just over 30%. Overall the savings are extensive and once the Traffic Engineering Division has completed the citywide conversion to LED's, the savings can be over \$100,000 a year.

Very truly yours,

Robert W. Healy
City Manager

RWH/mec

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Consent Agenda #2

Awaiting Report Item
Number 02-106, regarding
the installation of LED traffic
lights and information on the
funding for the lights.

In City Council December 9, 2002

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