

VILLAGE OF LOMBARD
REQUEST FOR BOARD OF TRUSTEES ACTION
For Inclusion on Board Agenda

<u> </u>	Resolution or Ordinance (Blue)	<u> </u>	Waiver of First Requested
<u> X </u>	Recommendations of Boards, Commissions & Committees (Green)		
<u> </u>	Other Business (Pink)		

TO: PRESIDENT AND BOARD OF TRUSTEES

FROM: David A. Hulseberg, Village Manager

DATE: April 28, 2010 (COW) (B of T) **Date:** May 6, 2010

TITLE: Public Works Committee recommendation regarding
LED Lights for the Main Street Lighting – Phase II project

SUBMITTED BY: David A. Dratnol, P.E., Village Engineer *DDR*

BACKGROUND/POLICY IMPLICATIONS:

The committee looked at test lights and heard presentations regarding the use of LED lights for this project and has recommended their use.

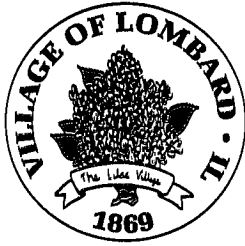
FISCAL IMPACT/FUNDING SOURCE:

N/A

Review (as necessary):

Village Attorney X	_____	Date	_____
Finance Director X	_____	Date	_____
Village Manager X	_____	Date	_____

NOTE: All materials must be submitted to and approved by the Village Manager's Office by 12:00 noon, Wednesday, prior to the Agenda Distribution.



InterOffice Memo

To: David A. Hulseberg, Village Manager
Through: Carl S. Goldsmith, Director of Public Works *led for CSG*
From: David A. Dratnol, P.E., Village Engineer *DD*
Date: April 28, 2010
Subject: Public Works Committee Recommendation on LED Lights for the Main Street Lighting – Phase II project

A special meeting of the Public Works Committee was held on April 26, 2010 at 7:00 PM in the Community Room to consider the use of LED luminaires in street light fixtures.

After a presentation by the manufacturer of the fixtures, Sternberg, and a presentation by the design engineer, Derek Mall of Civiltech Engineering, the Committee discussed the use of LED lights and heard comments from residents present at the meeting. After much discussion, the Committee was not able to reach a consensus on the use of LED lights. However, a motion was made to move forward with the LED lights on Main Street with changes in the lens as directed by the Public Works Committee with modifications made as follows: a 2 inch wide band around the top of the lens, 5 inch banding on the house side or frosted lens on the house side.

The 5 inch banding on the house side of one of the Coach light fixtures and frosted lens on another coach light fixture were installed on Tuesday, April 27, 2010 in the test fixtures on South Main Street. The Committee observed the modified fixtures Tuesday night and a phone poll was conducted on Wednesday, April 28th. The committee voted to approve the motion with the 2 inch band included on both fixtures and remedial measures for the house side shielding to be handled on a case by case basis.

The use of LEDs instead of High Pressure Sodium Lights will save \$185 in electricity and bulb/ballast replacement, and 954 lbs of CO₂e (greenhouse gas emissions) annually per pole. There will be 42 poles in the Main Street Lighting project; the total annual savings by using LED would be \$7,770 and 20 Tons of CO₂e.