

# **Village of Lombard**

*Village Hall  
255 East Wilson Ave.  
Lombard, IL 60148  
villageoflombard.org*



## **Meeting Minutes**

**Monday, April 26, 2010**

**7:00 PM**

**Special Meeting of the Public Works Committee**

**Village Hall Community Room**

## **Public Works Committee**

*Trustee Greg Gron-Chairperson  
Keith Giagnorio, Co- Chairperson  
John Kaforski, Arthur Kuehl, David Arnold, Art Frerichs,  
Ken Blakeslee, Stephen Preins,  
Robert Bachner and Dan Mahal  
Staff Liaison: David Dratnol*

## 1.0 Call to Order and Pledge of Allegiance

*Staff in Attendance:*  
*Carl Goldsmith, Director of Public Works*  
*Dave Dratnol, Village Engineer*  
*Keith Surges, Operations Superintendent*

**Present:** Greg Gron, John Kaforski, David Arnold, Ken Blakeslee, Dan Mahal, Arthur Kuehl, Stephen Preins, Robert Bachner and Art Frerichs

## 2.0 Roll Call

*Tim Scharnagle and Dan Radochonski from Sternberg Lighting, Jeff First from Pilipuf-Grist & Associates and Derek Mall from Civiltech in attendance for presentation.*

## 2.0 Public Participation

*Therese Willig, 418 N. Main St., Lombard, IL*  
*Lloyd Poggi, 422 N. Main St., Lombard, IL*  
*Keith Tap, 466 N. Main St., Lombard, IL*

*L. Poggi: my biggest concern with LED lights - there is a significant glare that comes off of the lights. There is a lot of work that needs to be done before the road construction is completed. I was advised there were 2 options - LED and Sodium. Surges: we positioned lights in a way that you as residents could view them. L. Poggi: I was hoping that the board could come up with a better option. Would like to have this resolved ahead of time - are there any alternatives? Scharnagle: We have 2 different temperatures of lights here. Light on the right is the coolest which is the 3000 light. L. Poggi: the illumination should be for the sidewalk and street. Is there any way that can be accommodated to block out some of the light that shines towards the resident? Surges: we have tried blocking out panels (light at Ethel on s/w corner) both upper and lower. When we did the rimming - did you notice that the glare is gone? It eliminated the glare. We are cutting down the glare on the coach lights also. Dratnol: we will be giving contractors the directions to do what the board decides. L. Poggi: has anyone else retrofitted the globe with the band? Sternberg: no, but it is something that we can do and it would not effect the light. L. Poggi: regarding the transformers and their capabilities...are there a lot of unneeded repairs to the transformer because of the LED lights? Sternberg: we have advanced transformer/surge protection to protect the LED itself. In terms of where the driver is set - all of the heat is going up into the light itself. Scharnagle: the LED driver will last about 12-15 years, the sodium driver will last about 5-6 years. Also, it is easy to service the driver. L. Poggi: thanked Keith Surges for all of his help and information that he has supplied. Glare is the number one issue that needs to be addressed. T. Willig: will the LED lights affect the solar lights in her front yard, and/or the electric eye light on her properties? Scharnagle: it would depend on what kind of photocell is on the light. K. Tap: does the band across the top affect the quality/quantity of the light and will there be a need for more light? Dratnol: this will be addressed in the presentation by Sternberg.*

## 3.0 Approval of Minutes

## 4.0 Unfinished Business

### 100192

#### **LED Lights for the Main Street Lighting, Phase II Project**

A recommendation from the Public Works Committee to use LED lights. (DISTRICTS #1 and #4)

*Presentation by Tim Scharnagle and Dan Radochonski of Sternberg Lighting.*

*The following discussion ensued during and after the presentation:*

*K. Tap: by adding the strip in there does that not effect the temperature of the light?*

*The light coming out does not hit the strip and bounce back towards the diode?*

*Radochonski: no, it does not. Kaforski: will there be a color shift with the 3000?*

*Radochonski: no. Kaforski: have any environmental studies been done with the LED lights? Scharnagle: only with mating of some animals with the bluer colors (6000).*

*Bugs are not attracted to the LED fixtures. K. Tap: heat distribution affects the color of the light...how does that happen? Radochonski: if the fixture is not designed correctly the diodes are being over driven. Mall: the Civiltech presentation - design of lighting from Grove up to North Ave. on Main St. This was first designed for High Pressure Sodium lights. K. Tap: was there any consideration to the amount of light that hits homes? Mall: all calculations are for pavement and sidewalk. Fixtures all have type 3 distribution - put most of the light into an oblong area towards the road.*

*Radochonski: meter to meter hps. level of light in the yards is higher but the actual meter reading is about 1/2. The uniformity makes a big difference also. Dratnol: our criteria is to light up the sidewalk. Blocking the back of the light would cause that to be less. Type 3 distribution has a shield built into the system - a mini shield just by the LED. I asked Tim Scharnagle about coloring the lens to change the color of the light. It has not been done yet. Scharnagle: that is something that we have never done.*

*Dratnol: it is not something that has been done yet....we are not willing to be the guinea pig on this. L. Poggi: the coach light is separate correct? Dratnol: yes. L. Poggi: so this is something that could be modified in the future? Dratnol: yes.*

*Dratnol: staff sent out 115 letters regarding the Main Street Lighting Phase II Project asking for input and received a total of 4 responses. Kaforski: I would have liked to see a sodium light here tonight to compare to the LED lights. My greatest fear is that the residents will be unhappy. Preins: I am not really convinced that this is the kind of light standard that we should be using anymore. We represent the community and we want to get the right types of LED lights. Arnold: we always have had input and the biggest issue was the glare. When you stand under the LED lights, you do not see alot of light, but from further away you see much more glare. L. Poggi: how many poles are going up here? Surges: 42. L. Poggi: are these the same fixtures? Gron: yes. Kaforski: what we are going to conserve today is quite a bit. We are going to see a lot more LED lights in the future. This project needs to go forward. I would like to not go with the smaller cable so that we are not locked into something. Gron: as a trustee I am obligated to represent the Village and the people. I have no problem with the LED lights. I think that Sternberg did a great job with these lights. Where is the glare that people are objecting to? Scharnagle: at the top. Gron: we do not want to look at new fixtures at this time. Frerichs: the lights on the south side of Main St. will not look the same as the ones on the north side. Radochonski: we can change the existing units to LED without changing the fixture. Preins: the standard that we came up with was for the sodium lights. Surges: Sternberg will put a 4-inch band on one light. Kuehl: take a*

*count of before and after. Bachner: are all of the lights 3000K out there? Surges: yes, Ethel and Main has 3 arcs. Blakeslee: what about frosting the panel that faces the homes? Surges: they also have frosted panels that we can try. Preins: are we the only community that are concerned about glare? Radochonski: no, you are just more concerned than other communities. Keith Surges came to us with the idea of the bands and we had never done it. We tried it and it worked. Preins: the 119 lights that we are putting in with the stimulus money are going to be like this? Surges: yes. Kaforski: I need to ask about the lights just south of Parkside - why are they green? Surges: the way the lens is yellowing it is making it look green. We will be getting rid of the mercury vapor and replacing them with sodium. K. Tap: I am happy with the whole idea. I like the LED lights and would like us to move forward on this so that we can move forward with the paving, etc. on Main St.*

**It was moved by Mahal, seconded by Kuehl, that this matter be recommended to the Board of Trustees for approval Motion to move forward with LED lights on Main St. with changes in the lens as directed by Public Works Committee with modifications made as follows: 2" wide band added to the top of the lens and additional remedial measures on the house side as needed.**

**The motion carried by the following vote:**

**Aye:** 7 - Kaforski, Arnold, Blakeslee, Mahal, Kuehl, Preins and Frerichs

**Nay:** 1 - Bachner

**Absent:** 1 - Richard J. Tross

## **5.0 New Business**

## **6.0 Other Business**

## **7.0 Information Only**

## **8.0 Adjournment**

**It was moved by Frerichs, seconded by Mahal, to adjourn at 9:49 PM. The motion carried by a voice vote**