

100192



March 17, 2010

TO: Public Works Committee
FROM: Carl S. Goldsmith, Director of Public Works
SUBJECT: Village Street Light Policies

A handwritten signature in dark ink, appearing to be "C. Goldsmith", is written over the "FROM:" line of the memo.

Following a discussion of the status of the North Main Street Lighting Improvement project scheduled for this construction season, and recent Village Board direction to install LED lighting on projects, when applicable, staff has researched the previously established policies relative to street lighting. The Committee expressed concern that the Village Board directive to look at more energy efficient lighting, that reduce the Village's operating expenses, did not meet the standards recommended by the Committee. Staff has reviewed the recommendation(s) and adopted standards to ensure that the Village is acting within the established policies. A summary of the past recommendations can be found below.

December 2002 The Public Works Committee recommended that all street/neighborhoods should have street lights. The Committee further recommended the following:

1. As soon as reasonably possible, place Com Ed lights at all intersections
2. For the installation of permanent Village lighting, where a project is included in the Capital Improvement Program, street lighting would be included in the programmed project.
3. For areas not included in the C.I.P., separate, stand alone street lighting projects would be programmed.

October 2003 The Village President and Board of Trustees adopted Village Board Policy No. 03-1, titled "Street Light Policy". This policy articulated the goals to light all residential neighborhoods. The policy also provides the following,

"Village Standard Lighting (VSL)

The Public Works Department will prepare a Village Standard Lighting specification that will identify lighting standards for various streets such as residential, downtown, and arterial. Changes to the pole and luminaire specification will require Village Board approval. The Director of Public Works may modify non-aesthetic specifications in the VSL at his discretion."

- October 2004 The Public Works Committee recommended the Village Board adopt the Village Standard Lighting policy.
- October 2004 Staff presents a recommendation from the Committee to the Village Board on the Village Standard Lighting. Included in the standard are specifications for the aesthetic design principals for street lighting based upon the application. Nothing in the report dictates the type of lighting/bulb to be installed within the luminaire.
- August 2005 Chapter 600, Street Lighting, of the Village of Lombard Standards & Specifications Manual is revised by the Community Development and Public Works staffs. Chapter 600 provides the guidelines for any public roadway lighting, parking lot lighting and/or private development roadway and parking lot lighting. The basis of this Chapter is the National Electric Code (NEC), National Electric Manufacturers Association; Underwriters Laboratory approvals, American Association of the State Highway and Transportation Officials criteria, the latest edition of the Illinois Department of Transportation "Standard Specifications for Road and Bridge Construction" and Highway Standards. The Chapter provides for the design criteria for any lighting project; including the luminance and illuminance values for projects based upon roadway classification and pedestrian conflict area.

As stated at the March 2010 meeting, Public Works Department staff has received direction from the Village Board and Village Manager to look at cost saving measures throughout our operational area. The installation of LED technology, where applicable, is clearly a cost saving measure in terms of the annual maintenance and energy costs. The poles, fixtures and locations of street lighting systems will continue to adhere to the recommendations made by the Public Works Committee and adopted by the Village Board of Trustees. The direction to move towards LED systems has not run counter to previous Committee recommendations.

I have attached the following documents for the Committee's consideration:

- A December 19, 2002 memo from the Village Engineer to Trustee Seby regarding the PWC recommendations relative to street lighting
- The Village Board Policy No. 03-1 adopted by the Village Board on October 2, 2003
- An October 13, 2004 memo to the Village Manager articulating the PWC's recommended Guidelines for the Type of Pole & Luminaire based upon application
- The Village Board agenda item (October 21, 2004) regarding the establishment of a Village Standard Lighting policy
- Chapter 600 of the Standards and Specification Manual for the Village of Lombard.

Interoffice Memo

To: Trustee Steven Sebby
From: David A. Dratnol, P.E., Village Engineer
Date: December 19, 2002
Subject: Draft Street Lighting Policy

At the December 10, 2002, Public Works Committee meeting, a street lighting policy was discussed. The consensus of the committee, and the basis for a policy, was that all streets / neighborhoods should have street lights.

In order to accomplish this, the committee favored the following approach:

1. As soon as reasonably possible, place ComEd lights at all intersections. This is a temporary condition until permanent Village standard lighting can be programmed. There is no up-front cost to the Village if there is an existing power pole at the intersection. Where poles do not exist, ComEd will have to install new poles and run services. The cost is added to the monthly charge.
2. For the installation of permanent Village standard lighting, where a project is included in the Capital Improvement Program, street lighting would be included in the programmed project.
3. For areas that are not included in the C.I.P., separate, stand alone street lighting projects would be programmed.

Details that need to be worked out for the policy include possible funding sources and whether or not to charge property owners for street lights where none exist (special assessment type projects, etc.) The Lombard Hills East Phase 4 project provides an indication of cost impact: including street lights in this upcoming C.I.P. project would increase the estimated construction cost by \$175,000. To construct streetlights in the entire Lombard Hills East project area (phases 1 through 5) would cost \$750,000.

Public Works will be reviewing areas that do not have existing street lights to determine locations with existing poles and locations that will need to have poles and wires added. Staff will be starting with the area bounded by North Avenue and Prairie Avenue, Grace Street to Westwood Avenue.

Public Works will be developing the draft of the policy based on the above considerations and preferences of the Public Works Committee.

cc: Bill Lichter
Stan Rickard

September 24, 2003

William T. Lichter
Village Manager

Proposed Street Lighting Policy
Public Works Committee Recommendation

The 2003 Village of Lombard Strategic Plan identified street lighting as an action item as follows:

***“Identify funding sources and begin implementation
of the Street Lighting Study on a partial basis.” Page 13***

The 2001 Comprehensive Street Lighting Study was a major effort to inventory the street lighting system and make recommendations for improvements. Pursuant to the 2003 Strategic Plan, the Public Works Committee has been studying street lighting issues for several months and has developed the attached policy for Board review and approval. The Committee approved this policy at their September 9, 2003 meeting.

This policy addresses: 1) temporary intersection lighting, 2) street lighting installation on reconstruction projects, 3) stand-alone street lighting projects, and 4) development of Village Standard Lighting specifications.

Please present this policy to the Board of Trustees at the October 2, 2003 meeting for their review and approval.

Stan Rickard
Director Public Works

VILLAGE OF LOMBARD

VILLAGE BOARD POLICY MEMORANDUM

Subject: Street Lighting Policy

No.: 03 - 1

Date: October 2, 2003

I. Purpose

This policy summarizes Village policy on street lighting in areas that do not have street lights and areas that do not have standard Village street lights. It is Village policy that all streets be lighted with Village Standard Lighting.

II. Procedures/Guidelines

- A) Temporary intersection lighting
As soon as reasonably possible and within budget constraints, street lights shall be placed at all intersections utilizing ComEd lights. This is a temporary condition until permanent street lighting can be installed through the Capital Improvement Program.
- B) Street reconstruction projects
Street reconstruction projects shall include street lighting. Street lighting would not be required in grind and overlay or other maintenance-type projects.
- C) Stand-alone street lighting projects
Separate, stand-alone street lighting projects will be scheduled for unlit areas subject to the CIP.
- D) Village Standard Lighting (VSL)
The Public Works Department will prepare a Village Standard Lighting specification that will identify lighting standards for various streets such as residential, downtown, and arterial. Changes to the pole and luminaire specification will require Village Board approval. The Director of Public Works may modify non-aesthetic specifications in the VSL at his discretion.

III. Legislation/Documentation

- A) Public Works Committee minutes of September 9, 2003.
- B) Board of Trustees minutes of October 2, 2003.

InterOffice Memo

To: William T. Lichter, Village Manager
From: David A. Dratnoi, P.E., Village Engineer
Date: October 13, 2004
Subject: Village Standard Lighting Policy

At the October 12, 2004, Public Works Committee meeting, the committee recommended the Board adopt the Village Standard Lighting policy.

The Village Standard Lighting policy includes guidelines for the type of pole and luminaire to be installed on various village roadways. Specifications and standard details are included for each lighting standard. With the exception of the T.I.F. District street light standard, these standards include provisions for multiple suppliers.

Staff will be available to answer any questions the Village Board may have.

DD/jg

cc: Keith Surges

GUIDELINES FOR TYPE OF POLE AND LUMINAIRE

Collector Streets:

2-Lane, Residential Area: Concrete Pole

4-Lane, Residential Area: Spun Aluminum Pole

Commercial / Industrial Areas: Spun Aluminum Pole

Residential Streets (non-collector):

Concrete Pole with Post Top Lighting

Older Section of Town (Grace St., Finley Rd., Madison St., Pleasant Ave.)

Ornamental Fixture (Sternberg)

All Other Areas: Holophane

Ornamental = octagonal shape

Holophane = circular

Downtown TIF District:

Lumec Light Pole (Steel Pole) with TIF Style Lighting

Other Areas:

Westmore-Meyers Road: Steel – Square Tube

St. Charles Rd. (Elizabeth to IL Rte 53): Steel – Square Tube

St. Charles Rd. (east end): Square Aluminum, painted bronze.

All square tube poles utilize the shoe box style light fixture

DISTRICT ALL

**VILLAGE OF LOMBARD
REQUEST FOR BOARD OF TRUSTEES ACTION**

For Inclusion on Board Agenda

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

TO: PRESIDENT AND BOARD OF TRUSTEES

FROM: William T. Lichter, Village Manager

DATE: October 13, 2004 (COW) (B of T) **Date:** October 21, 2004

TITLE: Recommendation from the Public Works Committee
Village Standard Lighting

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

BACKGROUND/POLICY IMPLICATIONS:

See attached memo.

FISCAL IMPACT/FUNDING SOURCE:

None

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.

Executive Summary
Village Standard Lighting
October 21, 2004

The Village Standard Lighting policy includes standards for residential streets, arterial streets and the T.I.F. district. This policy provides guidelines for the type of pole and luminaire to be installed on various village roadways. Specifications and standard details are included for each light standard. With the exception of the T.I.F. district street light standard, these standards include provisions for multiple suppliers.

Residential Street Light Standard

This standard consists of a concrete light pole with a flared base and a post top mounted ornamental luminaire with an octagonal shape. The height of the concrete flared base pole is 15'. This standard will be installed on residential roadways, for example, Central Avenue.

Arterial Street Light Standard

This standard includes four different types of poles and luminaires.

The Decorative Light Standard consists of a 30' black aluminum pole with a decorative base and mast arm. A down light is mounted from the 8' mast arm and an ornamental luminaire is bracket mounted 14' above the ground. This pole has options for a festoon outlet, banner arms and a flag pole holder. This standard will be installed on 4-lane, residential arterial roadways, for example, Main Street.

The Spun Aluminum Pole with Roadway Luminaire consists of a 30' aluminum pole with a down light mounted from an 8' to 10' mast arm. This standard will be installed in commercial/industrial areas, for example, Oak Creek Industrial Park.

The Square Steel Pole with Rectangular Luminaire consists of a 34'-9" square steel pole with a rectangular down light mounted from a 6' mast arm. A festoon outlet is mounted 20' above the ground. This standard is installed on Westmore-Meyers Road and St. Charles Road between Route 53 and Elizabeth and Grace Street and Addison Road.

The Residential Street Light Standard will also be installed on residential, 2-lane arterial roadways, for example, Madison Avenue.

T.I.F. District Street Light Standard

This standard consists of a 12' ornamental steel pole with a decorative base and a post top mounted ornamental T.I.F. luminaire. There are decorative stems at the base of the luminaire welded to the pole fitter. The pole has banner arms on both sides and a festoon outlet. This standard is installed in the T.I.F. District with the exception of Main Street between Maple and Parkside.

Maintenance

Light poles and/or luminaires replaced for maintenance will be replaced in kind in the residential areas. For example, in the older section of the Village (Grace Street, Finley Road, Madison Street, Pleasant Avenue, etc.) the light pole will be replaced with a concrete flared or straight base and the luminaire will be replaced with a post top mounted ornamental luminaire, octagonal in shape. In all other areas of the Village, the light pole will be replaced with a concrete flared or straight base and the luminaire will be replaced with a post top mounted Holophane luminaire, circular in shape.