

ORDINANCE NO. 9798-104

AN ORDINANCE APPROVING A STREET LIGHT ILLUMINATION PLAN

WHEREAS, it is recognized that our present street lighting system has been created, added to, and modified over many years; and

WHEREAS, for over 20 years, the City Council and staff have been generally studying what further modifications and replacements of the street lighting system are desirable so that an overall plan could be designed to meet the needs of the City; and

WHEREAS, during this period, different City Councils and City staff have had opportunities to observe the performance, and acceptance by the public, of various street light designs and levels of illumination and types of illumination; and

WHEREAS, it has been noted that the citizens of Urbana are very concerned that the level of illumination and glare from street lights, while meeting the needs of safety, not be such that such illumination and glare interfere with the quality of life and ambiance of our residential neighborhoods; and

WHEREAS, during the months of October, 1997 and continuing on to the date hereof, the Public Works Department has had demonstration street lights installed in several areas of the City to allow the opportunity for the public and the City Council to observe the actual operation of several different designs and levels of illumination, which demonstration areas were formally reviewed in the field by the City Council on the 8th day of December, 1997; and

WHEREAS, to assist the City by providing information and advice, the City has retained the services of Burtess Engineering Services as a consultant; and

WHEREAS, although the City Council and City staff is familiar with the fact that Burtess Engineering Services has advised the City that the lighting design plan adopted herein does not present the foot candle illumination recommended by the Illuminating Engineering Society, this Council has determined that, due to the sensitivity of its citizens that the level of illumination and glare of street lights be no greater than is deemed necessary for the safety of the public, this Council expressly approves the plan and design of street lighting modifications as herein adopted and specifically finds that although Illuminating Engineering Society's standards recommendations are useful guides, the level of illumination is a matter over which reasonable persons can differ and it is the responsibility of this Council to determine the plan and design that is appropriate for the City of Urbana.

NOW THEREFORE, BE IT ORDAINED that this Council approves the installation of street lights in accordance with the plan of light levels as follows:

1. On near-campus residential streets, a maintained average illumination value of approximately .19 foot candles.

2. On local residential streets, a maintained average illumination value of approximately .12 foot candles.

and directs that it be implemented as shall be further directed in the implementation of the Capital Improvement Plan adopted by this Council.

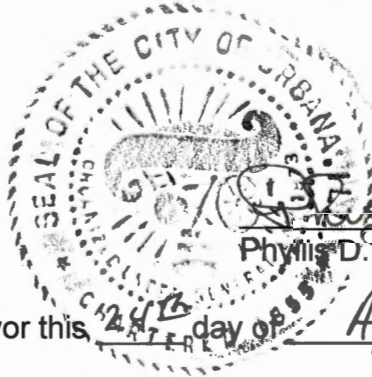
This ordinance is hereby passed by the affirmative vote, the "ayes" and "nays" being called, of a majority of the members of the City Council of the City of Urbana, Illinois, at a regular meeting of said City Council.

PASSED by the City Council this 20th day of April, 1998.

AYES: Hayes, Huth, Kearns, Patt, Taylor, Whelan, Wyman

NAYS:

ABSTAINED:



Phyllis D. Clark  
Phyllis D. Clark, City Clerk

APPROVED by the Mayor this 24th day of April, 1998

Tod Satterthwaite  
Tod Satterthwaite, Mayor





## LEGEND

- NEAR-CAMPUS STREET TO BE RELIT TO 0.19 FOOTCANDLE LEVEL WITH METAL HALIDE LAMPS
- CURRENTLY UNLIT NEAR-CAMPUS STREET TO BE LIT TO 0.19 FOOTCANDLE LEVEL WITH METAL HALIDE LAMPS
- ARTERIAL/COLLECTOR STREET TO BE RELIT TO HIGHER LEVEL OF ILLUMINATION THAN NEAR-CAMPUS OR LOCAL STREET
- LOCAL STREET TO BE RELIT TO 0.12 FOOTCANDLE LEVEL WITH METAL HALIDE LAMPS
- CURRENTLY UNLIT STREET TO REMAIN UNLIT



# STREET LIGHTING ILLUMINATION PLAN

CITY OF URBANA  
PUBLIC WORKS DEPT.  
ENGINEERING DIVISION  
Drawn By: JLS 4/8/1998

# ILLUMINATION PLAN STREET LIGHTING

## LEGEND

- 1. LIGHTING SYSTEM TO BE INSTALLED
- 2. LIGHTING SYSTEM TO BE REMOVED
- 3. LIGHTING SYSTEM TO BE REPAIRED
- 4. LIGHTING SYSTEM TO BE MAINTAINED
- 5. LIGHTING SYSTEM TO BE REPLACED
- 6. LIGHTING SYSTEM TO BE MODIFIED
- 7. LIGHTING SYSTEM TO BE DEMOLISHED
- 8. LIGHTING SYSTEM TO BE CONSERVED
- 9. LIGHTING SYSTEM TO BE ENHANCED
- 10. LIGHTING SYSTEM TO BE UPGRADED



APPROVED: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 TITLE: \_\_\_\_\_

