

LIGHTING ORDINANCE TASK FORCE

CITY OF CAMBRIDGE

FIRST MEETING OF LIGHTING ORDINANCE TASK FORCE

Wednesday, December 4, 2013

4:00 PM – 6:00 PM

4th Floor Conference Room

City Hall Annex

344 Broadway

Agenda

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| 4:00 pm | Welcome and Introductions |
| 4:15 pm | Committee Process and Schedule |
| 4:30 pm | Existing Cambridge Lighting Ordinance, Teague Petition and Planning Board Recommendations |
| 4:45 pm | Presentation by Paul Lutkevich, P.E. – Parsons Brinckerhoff |
| 5:15 pm | Issues, Challenges & Opportunities / Committee Discussion |
| 5:50 pm | Public Comment |

LIGHTING ORDINANCE TASK FORCE

Committee Members:

Carol Lynn Alpert
Chris Basler
Andrea Boyer
Peter Calkins

David Chilinski
Denise Jillson
Gavin Kleespies
Steve Lenkauskas

Tom Saidnawey
Ranjit Singanayagam
Charles Teague
Bob Woodbury

Lighting Consultant:

Paul Lutkevich, PE

Vice President - Technical Director

Parsons Brinckerhoff

Project Staff:

Chris Basler, Lighting Ordinance Project Manager – Community Development Department

Andrea Boyer – License Commission

Stuart Dash – Community Development Department

Lt. Leonard DiPietro – Police Department

Lisa Hemmerle – Community Development Department

Steve Lenkauskas – City Electrician

Jeff Roberts – Community Development Department

Ranjit Singanayagam – Inspectional Services Department

Scope and Issues

Why was this Task Force formed?

While it is important to have adequate lighting in the city to ensure that people can go out after dark, excessive lighting can also have negative impacts such as light trespass, glare, light pollution and energy waste. In their discussions related to the Teague, et al. zoning petition, the City Council, Planning Board and Community Development Department supported the need to assess the customary characteristics of lighting and ensure the negative impacts are mitigated.

Charge of the Task Force

The City Manager has appointed this task force to work with City staff and a lighting consultant to evaluate existing standards, offer guidance for the creation of a new ordinance, propose new regulatory approaches if needed, and develop enforcement mechanisms. The proposed task force will comprise representatives from City departments, including Community Development, Electrical Department, Inspectional Services, License Commission, and Police, along with Cambridge residents, property owners, and business representatives.

The task force will consider existing Cambridge lighting standards, as well as concerns raised in the Teague Zoning Petition. In connection with the consultant's efforts, the task force will review industry standards and technology innovations that can address environmental, safety, and economic concerns. Finally, proposed enhancements to Cambridge lighting standards will be evaluated from a legislative and compliance perspective to recommend best practices for implementation in both existing and future fixtures and developments.

Recommendations may include:

- design standards;
- public education initiative;
- enforcement officer training;
- change to the municipal ordinance;
- change to the zoning ordinance;
- other lighting recommendations.

LIGHTING ORDINANCE TASK FORCE

Lighting Consultant Biography:

Paul Lutkevich, PE
Vice President - Technical Director
Parsons Brinckerhoff

Paul Lutkevich has over 25 years experience in the design and research of exterior lighting systems. He is past chair of the Illuminating Engineering Society of North America's Roadway Lighting Committee and the IESNA Technical Resource Council. He is a member of the Commission Internationale De L'Eclairage (International Commission on Illumination) for signal and transport. He is actively involved in the development of national and international standards for outdoor lighting. Paul was also a member of the US delegation in the FHWA/AASHTO Bilateral Lighting Technology Exchange Program between outdoor lighting experts and international organizations in Europe. He is currently involved in research with the FHWA investigating topics concerning lighting and safety, and context sensitive solutions.

He has written and spoken extensively on the subjects of outdoor lighting including urban lighting, lighting for pedestrians, aesthetic considerations in outdoor lighting, and lighting for safety. He has co-authored the Transportation Association of Canada's outdoor lighting standards which is using the latest research from North American and international sources to compile a comprehensive design guide for the outdoor environment, IMSA's Lighting Certification Program, and is currently lead researcher and author for FHWA's Roadway Lighting Handbook.

He is the recipient of many awards including the Executive Director's Award of the International Darksky Association, the International Illuminating Design Award (IIDA) for Outstanding Achievement in Lighting Design awarded by the IESNA, and the IES President's Award for significant contributions of technical data and application criteria to the society.

LIGHTING ORDINANCE TASK FORCE

Proposed Meeting Schedule

Meeting 1 – December 4th, 4:00-6:00 PM

Scope of Work for the Task Force

Existing Cambridge Lighting Ordinance.

Planning Board Recommendations.

Presentation of Model Lighting Ordinance and Best Practices from other Cities.

Discussion by Committee and Next Steps.

Meeting 2, January

Site visit to review common concerns with customary lighting.

Discuss framework of proposed recommendations.

Meeting 3, February

Review possible recommendations.

Meeting 4, March

Refine draft recommendations, possibly complete.

Meeting 5, April (if necessary)

Complete recommendations.