

From: [Andrew Beyer](#)
To: [Mason Becker](#)
Cc: [Emily McFarland](#)
Subject: FW: Lighting follow-up questions
Date: Friday, February 9, 2024 11:43:52 AM
Attachments: [image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.png](#)
[image007.png](#)
[image008.png](#)
[image009.png](#)

Mason,

Please see the below responses to questions the Downtown Main Street Reconstruction Task Force had as it pertained to lights and poles to be used in upcoming downtown infrastructure projects. Could you please add an item to the next Task Force meeting and include the responses in the packet?

Thanks,

Andrew

Andrew M. Beyer, P.E.

Director of Public Works/City Engineer
City of Watertown
106 Jones Street
Watertown, WI 53094
Office: (920) 262-4050



From: Christopher Newberry <CNewberry@watertownwi.gov>
Sent: Wednesday, January 31, 2024 6:30 AM
To: Andrew Beyer <ABeyer@watertownwi.gov>
Subject: FW: Lighting follow-up questions

Mlazgar replies to your lighting questions below.
Let me know if you want to discuss these further.

Chris Newberry

City of Watertown
Public Works Project Manager
920-342-4180 cell

920-262-4060 office

From: Jerry Perkowski <Jerry.Perkowski@mlazgar.com>
Sent: Tuesday, January 30, 2024 10:10 AM
To: Christopher Newberry <CNewberry@watertownwi.gov>
Subject: RE: Lighting follow-up questions

Hi Chris,

Please see answers below. Please let me know if you have any questions.

Thanks,



Jerry Perkowski
Outdoor Segment Manager | 262-442-9732 | jerry.perkowski@mlazgar.com

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From: Christopher Newberry <CNewberry@watertownwi.gov>
Sent: Friday, January 26, 2024 10:52 AM
To: Jerry Perkowski <Jerry.Perkowski@mlazgar.com>
Subject: FW: Lighting follow-up questions

Jerry,

Can you answer some of the questions below? I know a couple of them need to be answered from the lighting designer.

Thanks.

Chris Newberry
City of Watertown
Public Works Project Manager
920-342-4180 cell
920-262-4060 office

From: Andrew Beyer <ABeyer@watertownwi.gov>
Sent: Friday, January 26, 2024 9:06 AM
To: Christopher Newberry <CNewberry@watertownwi.gov>
Subject: Lighting follow-up questions

Chris,

The Downtown Main Street Reconstruction Task Force met on Wednesday. Topics of discussion included lighting selection and poles in the downtown. Task Force members had the following comments/questions:

1. Will the lights provide direct illumination or indirect illumination? **Direct Illumination**
2. How often will luminaires/LED panels require replacement? **The LEDs for these luminaires are rated for 100,000 hours of operation. So, depending on burn hours, you're looking at 15 – 18 years.**
3. Will entire luminaires need to be replaced, or LED component within luminaire? How difficult to replace? **Typically, after 15 years the entire luminaire is replaced. However, the LED "light panel" can be replaced as a component. It is rather easy to replace the "light engine" component as it is designed that way.**
4. Will replacement luminaire/LED component lighting color/temperature match other lights installed in downtown area? **Yes, we can match the color temperatures of other lights in the downtown area. What is the current color temperature of the "other" downtown lights?**
5. What is the temperature range of LEDs? **Actual temperature or Color temperature? Color Temperature – 4000K**
6. How easy are the luminaires to clean? Existing luminaires are cleaned annually and are difficult to clean. **Are you referring to internal or external cleaning? If internal – the fixtures are sealed and designed to keep the outdoor elements out over the long term. We don't recommend opening the fixtures annually to clean.**
7. Is luminaire glass textured? **The glass on the 1914 Libertyville fixture is a Ripped Acrylic Teardrop lens. On the MS805 Main Street (Bridge) – that is a clear glass. On the pedestrian Main Street MS805 – Flat Soft Vue Light Diffused Acrylic. It appears that based on the quote, the bridge fixture is the only clear lens. We can change that to the Flat Soft Vue Light Diffused Acrylic.**
8. Is there a benefit of textured black finish vs. smooth black finish? **It's mostly an aesthetic issue or personal preference. Some like the textured finish because it can hide minor imperfections in the castings.**

Could you please assist in answering the above and I'll pass along to the Task Force? Thanks for your help,

Andrew

Andrew M. Beyer, P.E.

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