

# Kalamazoo Lake Harbor Authority

Douglas & Saugatuck, Michigan

Point Pleasant Marina

201 Washington Street

Douglas, MI

## AGENDA

Tuesday, August 17, 2021 – 7:00 p.m.

1. **Call to Order:** By Chair
2. **Roll Call:**
3. **Approval of Agenda:**
  - A. August 17, 2021Motion to approve the August 17, 2021 meeting agenda as (presented/amended) – Roll call vote
4. **Approval of Minutes:**
  - A. July 20, 2021 meeting minutesMotion to approve the July 20, 2021 meeting minutes as (presented/amended) – Roll call vote
5. **Approval of Invoices:**
6. **Public Communications:**
  - A. Written - MDHHS Press Release
  - B. Verbal (Limit of three (3) minutes)
7. **Unfinished Business:**
  - A. Township's Membership to KLHA
8. **New Business:**
  - A. Roles, Responsibilities, Logistics
  - B. Navigational Lighting
9. **Reports:**
  - A. Committee Reports
    - i. Harbor Safety Sub-Committee – VanLoon
    - ii. Douglas Harbor Authority – LaBombard
  - B. Staff Reports
    - i. LaBombard
    - ii. Heise
    - iii. Frey
10. **Public Communications:** (Limit of three (3) minutes)
11. **Authority Member Comments:**
12. **Adjournment:** Motion to adjourn

# Kalamazoo Lake Harbor Authority

Douglas & Saugatuck, Michigan

Point Pleasant Marina

201 Washington Street, Douglas MI

Tuesday, July 20, 2021 – 7:00 p.m.

MINUTES - **DRAFT**

1. **Call to Order:** By Vice Chair Naumann at 7:00 PM
2. **Roll Call:** Present – Klungle, Naumann, North, Trester  
Absent: VanLoon  
Also Present – Douglas City Manager LaBombard, Executive Assistant Pearson,  
Deputy Clerk Howell
3. **Approval of Agenda:**
  - A. July 20, 2021 – *Motion by Klungle, with support from Naumann, to approve the July 20, 2021 meeting agenda as presented. Motion carried by unanimous roll call vote.*
4. **Approval of Minutes:**
  - A. May 18, 2021 meeting minutes – Amended to add Klungle as being present.  
*Motion by Klungle, with support from North, to approve the May 18, 2021 meeting minutes as amended. Motion carried by unanimous roll call vote.*
5. **Approval of Invoices:** No Invoices.
6. **Public Communications:**
  - A. Written: Email from Coast Guard Re: Station Consolidation – LaBombard reported that the Holland Coast Guard Station is consolidating with Grand Haven. They will be seeking public comment on this.
  - B. Verbal (Limit of three (3) minutes): None.
7. **Unfinished Business:**
  - A. Township’s Membership to KLHA: Jon Helmrich reported that Saugatuck Township Board unanimously passed joining the KLHA. The legal work is finished and will now be posting two voting members.
  - B. Aquatic Weed Treatment: Pearson reported that the first treatment was done on June 17 and the next treatment will be July 28. The first treatment may not have been as effective due to heavy rains. The second treatment should work better. The City of Saugatuck feels they made progress with the first treatment and the second treatment should be better.
8. **New Business:**
  - A. Floating Homes: LaBombard presented this for discussion to gauge whether it needs to advance. He reported that the DHA didn’t feel it needed to go to the City Council level. The City of Saugatuck’s Planning Commission has been asked to regulate the floating homes through zoning. Neighbors are irate about it. It is suspected that it will all end up in court, so the approach right now is to see how the litigation pans out before taking any actions.

**9. Reports:**

**A. Committee Reports**

- i. Harbor Safety Sub-Committee – LaBombard: VanLoon reached out to the Coast Guard and was told there were no regulatory requirements for navigational lights to be installed on the Blue Star Highway bridge. The bridge is owned by Saugatuck and Douglas, so if we wanted lights, we would have to pay for them. LaBombard will look into whether this has been costed out before and get back to the Board.
- ii. Douglas Harbor Authority – LaBombard: The topics of discussion included: The Point Pleasant Marina Management Plan for 2022 - we'll probably mimic Saugatuck's lottery system for issuing slips for next year; Wades Bayou rowing dock is installed and up and running; aquatic weed update; Union Street boat ramp - the City has made some improvements to it, moved the dock from one side to the other and poured a concrete approach; installing aerators at Point Pleasant for the wintertime; approved a recommendation to City Council with Edgewater Resources for a \$25,000 contract to do some planning for Point Pleasant and some areas under the bridge; and we also had a discussion about floating homes, and the Board didn't feel a reason to advance it to City Council at this time.

**B. Staff Reports**

- i. LaBombard – None.
- ii. Heise – Not present
- iii. Frey – Not present

**10. Public Communications:** None.

**11. Authority Member Comments:** None.

**12. Adjournment:** *Motion by North, with support from Klungle, to adjourn (7:30 PM). Motion carried by voice vote.*



Michigan Department of Health & Human Services

## Press Release

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**FOR IMMEDIATE RELEASE:** July 27, 2021

**CONTACT:**

MDHHS: Chelsea Wuth, 517-241-2112, [WuthC@michigan.gov](mailto:WuthC@michigan.gov)

MDARD: Jennifer Holton, 517-284-5724, [HoltonJ@michigan.gov](mailto:HoltonJ@michigan.gov)

EGLE: Hugh McDiarmid Jr., 517-230-7724, [McDiarmidJrH@michigan.gov](mailto:McDiarmidJrH@michigan.gov)

### **Stay safe this summer: tips for identifying and avoiding harmful algal blooms**

LANSING, Mich. – If you or your family are living near or visiting Michigan waters in summer or fall months it is important to be aware of the potential for harmful algal blooms (HABs).

HABs form due to a rapid overgrowth or bloom of cyanobacteria, also known as blue-green algae. Cyanobacteria are naturally present in lakes, rivers and ponds. Unfortunately, some cyanobacteria produce toxins, called cyanotoxins, that can be present in cyanobacterial blooms, which at higher levels can be harmful to people and animals.

HABs usually occur in Michigan May through October, most commonly in August and September. The occurrence of cyanobacteria and their toxins has been confirmed in lakes across Michigan in previous years, and elevated toxin levels have been documented in a small percentage of Michigan lakes. During 2020, 61 HABs in 35 Michigan counties were reported to the Michigan Department of Environment, Great Lakes, and Energy (EGLE)

“Before going in the water, we recommend Michiganders look for visible algal blooms or scums on any lake, and that people and pets stay out of water in areas that look affected,” said Dr. Joneigh Khaldun, chief medical executive and chief deputy for health for Michigan Department of Health and Human Services. “If you may have had contact with or swallowed water with a HAB and feel sick, call your doctor or Poison Control at

800-222-1222. If symptoms are severe, seek emergency medical attention as soon as possible.”

### **What does a HAB look like?**

HABs can look like algal scums or mats, spilled paint or pea soup, or colored streaks on the water’s surface. Visit the [HAB Picture Guide](#) for examples of HABs and other algae and plants.

Blooms may last for days or sometimes weeks. Blooms can change in size, toxicity and location within the same day. They also may disappear on a waterbody, but then form at a later time.

### **What should people do if they think they have found a HAB?**

Consult the [HAB Picture Guide](#) for examples of HABs and compare your sighting to other algae and plants found in lakes.

If you suspect you have found a HAB or have any suspicion:

- Do not let people, pets or livestock in the water or near the shore in affected areas.
- Unless the bloom covers a large part of the lake, you can still use any part of the lake that is not affected.
- Always rinse off people and pets after contact with any lake water.
- If there is a posted HAB advisory or closing, follow its instructions.
- Report suspected HABs to EGLE by e-mailing [AlgaeBloom@Michigan.gov](mailto:AlgaeBloom@Michigan.gov) or calling 800-662-9278. If possible, include pictures of the suspected HAB.

### **What are the symptoms of HAB exposure?**

Breathing in or swallowing water containing HABs and their toxins may cause the following symptoms: runny eyes or nose, asthma-like symptoms, stomach pain, vomiting, diarrhea, weakness, numbness, headaches, dizziness or difficulty breathing. Skin contact can cause rashes, blisters and hives.

### **Should residents be concerned about threats to animal health?**

Animals, especially dogs, can become ill or die after contact with HABs. Signs of illness can include vomiting, diarrhea, staggered walking and convulsions. Preventative measures for dogs include keeping them out of the water wherever surface scums or discolored water are visible, bringing along clean, fresh water for them to drink and rinsing them off after contact with any lake water. If a pet or livestock animal becomes sick after contact with water that may have a HAB, contact a veterinarian right away.

Illness in an animal due to exposure to a HAB is reportable to the Michigan Department of Agriculture and Rural Development (MDARD). Cases can be reported by submitting a Reportable Disease Form, located at [Michigan.gov/dvmresources](https://Michigan.gov/dvmresources) under “Reportable Diseases,” or by calling 800-292-3939 Monday through Friday 8 a.m. to 5 p.m.

### **What can people do to help prevent HABs from occurring?**

Michigan residents should learn about nutrient pollution, such as excess nitrogen and phosphorus, to reduce and prevent HABs. Excess nutrients may come from detergents, sewers, fertilizers and malfunctioned septic systems.

Michiganders can decrease nutrients getting into the water by:

- Using phosphate-free detergents.
- Disposing of pet waste properly.
- Applying fertilizer only when necessary and applying the recommended amount according to label instructions. A buffer should be left when applying fertilizer near a lake or stream.
- Promoting the use of natural shoreline (as opposed to hardened shoreline) including growing native vegetation along the water’s edge.
- Joining a local organization or like-minded residents to develop or update a watershed management plan (WMP) if one does not already exist or is out-of-date. A WMP identifies pollutants that are causing water quality problems, the sources of those pollutants and recommends actions that can be taken to reduce pollutant inputs into surface waters.

### **Contacts for HAB questions**

- More information on health effects, causes, and reports on the occurrence of HABs in Michigan lakes can be found at [Michigan.gov/habs](https://Michigan.gov/habs).
- For more information on HABs and your health, contact MDHHS at 800-648-6942.
- For more information on HABs and pets and livestock, contact MDARD at 800-292-3939.
- For more information on HABs and the environment, contact EGLE at 800-662-9278.

###

## MEMORANDUM



To: Kalamazoo Lake Harbor Authority

From: Rich LaBombard  
City Manager

Date: August 17, 2021

Subject: Navigational Lighting

In an email from Jon Moxey of Fleis & VandenBrink, dated May 6, 2019, he stated that to install lights and brackets on five spans of the Blue Star Highway Bridge for navigational lighting, including wiring and installation, would cost approximately \$50,000 - \$60,000, or closer to \$20,000 for just a single span.

Some current research of McDermott Light & Signal shows a two-panel solar-powered LED bridge light with all stainless steel parts that is easily mountable and adjustable. The LEDs have a 50,000 hour life span. They have a range from 1 to 3 miles and meet all regulations for bridge lights. These solar-powered lights would cost around \$1500 apiece, or \$9,000 for 6 lights.

No funds are budgeted at this time for this work.

**Information only for discussion.**

## William F. LeFevere

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**From:** Jon Moxey <jmoxey@fveng.com>  
**Sent:** Monday, May 6, 2019 12:39 PM  
**To:** William F. LeFevere; Kirk Harrier (kirk@saugatuckcity.com)  
**Cc:** Shawn Bates  
**Subject:** RE: navigational lighting  
**Attachments:** U.S. Coast Guard Navigational Lighting Requirements.pdf

Bill/Kirk,

Shawn Bates is our new navigational lighting expert. The second page of the Coast Guard guidance shows the layout – I think your situation is something between the upper right and middle pictures. If memory serves, there are several spans that are deep enough to navigate but only one that is the main channel. Shawn got some estimates from a manufacturer. The lights and brackets to do all five spans is roughly \$30,000 plus wiring and installation costs. Solar is not recommended, as it is less reliable than hard-wired. You should be able to power them from the panel that serves the street lights. You'd also need to budget for some electrical design work, Coast Guard coordination and bidding. I could see the full five spans being on the order of \$50,000-60,000, or closer to \$20,000 for just a single span. As a next step, we could reach out to the Coast Guard to get their site-specific recommendations, but wanted to at least show you the range of what you'd be looking at.

Jon

**From:** William F. LeFevere <WLeFevere@ci.douglas.mi.us>  
**Sent:** Tuesday, April 30, 2019 9:17 AM  
**To:** Jon Moxey <jmoxey@fveng.com>; Kirk Harrier (kirk@saugatuckcity.com) <kirk@saugatuckcity.com>  
**Subject:** RE: navigational lighting

Thanks Jon.

**From:** Jon Moxey <jmoxey@fveng.com>  
**Sent:** Tuesday, April 30, 2019 7:42 AM  
**To:** William F. LeFevere <WLeFevere@ci.douglas.mi.us>; Kirk Harrier (kirk@saugatuckcity.com) <kirk@saugatuckcity.com>  
**Subject:** Re: navigational lighting

Sure, let me do a little research on what options are available. I'm out of the office this week but I'll have someone do the legwork for me.

Sent from my Verizon, Samsung Galaxy smartphone

----- Original message -----

**From:** "William F. LeFevere" <WLeFevere@ci.douglas.mi.us>  
**Date:** 4/29/19 1:51 PM (GMT-05:00)  
**To:** Jon Moxey <jmoxey@fveng.com>, "Kirk Harrier (kirk@saugatuckcity.com)" <kirk@saugatuckcity.com>  
**Subject:** re: navigational lighting





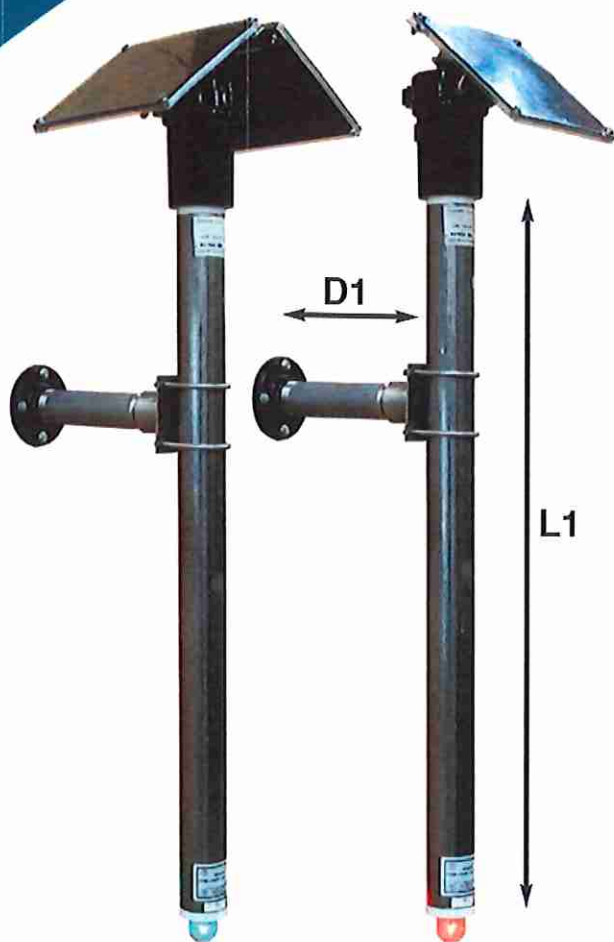
# McDermott Light & Signal

## McDermott Solar-Powered LED Bridge Lights

### ADVANTAGES OVER ALL OTHERS

#### SPECIFICATIONS:

Range:	1 to 3 Miles
Mount:	Tube mount
Light Source:	LED
Voltage:	12 VDC; 120, 220 VAC
Colors:	Green, Red - 180 degree screen
Tube Dimensions:	2 1/2" Dia. Stainless Steel Variable tube lengths; D1, L1



#### Models:

BTL-BZ-KIT-D1-L1-1P-GREEN  
BTL-BZ-KIT-D1-L1-2P-GREEN  
BTL-BZ-KIT-D1-L1-180-1P-RED  
BTL-BZ-KIT-D1-L1-180-2P-RED

- Quickly retrieve light by pulling it up through tube
- Solar battery pack unplugs from light and can be removed from top of tube
- Easily adjustable by changing tube lengths D1, L1
- Certified by USCG approved laboratory to meet CFR 33 Part 66
- All stainless steel tubes
- Available in single or double solar panel
- 50,000 hours life LEDs

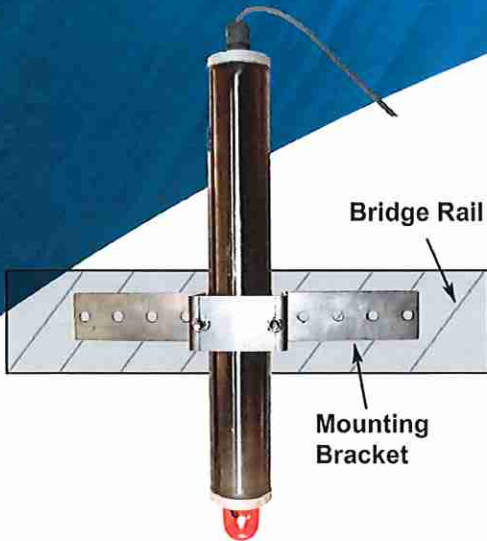




**McDermott Light  
& Signal**

## **McDermott LED Bridge Light**

**Easy Installation, Low Cost  
LED Bridge Light**



- Easy Mounting
- All stainless steel fittings
- Range from 1 to 3 miles
- Meets Regulations for bridge lights
- Can mount lights up to 50 feet below bridge
- Available in Solar Power

**Series: BRIDGE-TUBE-LT-**

### Installation Procedure:

Mount tube with bracket.  
For longer tubes, use more brackets.  
Drop the light down to bottom of  
tube and connect wire to conduit.

### OPTIONS:

Range:	3 Miles as per CFR33
Mount:	Tube mount
Light Source:	LED's
Weight:	*Depends on Length of Tube
Voltage:	12 VDC; 120, 220 VAC
Colors:	Red, Green - 180 screen
Tube Dimensions:	2 1/2" Dia. Stainless Steel 6 ft., 8 ft., or 10 ft. lengths



1639 Stephen Street, Ridgewood, NY 11385 Tel. (718) 456-3606 Fax (718) 381-0229  
[www.mcdermottlight.com](http://www.mcdermottlight.com)



## McDermott LED Bridge Lights

### Easy Installation, Low Cost LED Bridge Light



Series: **BRIDGE-TUBE**

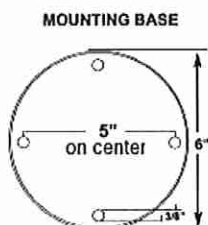
All stainless steel fittings  
Range from 1 to 3 miles  
Meets regulations for bridge lights  
Mount lights up to 50 feet below bridge  
Innovative mounting configuration for easy installation.  
Available in Solar Power

#### OPTIONS:

Range:	3 miles as per CFR33
Mount:	Tube mount
Light Source:	LED
Voltage:	12 VDC; 120, 220 VAC
Colors:	Red, Green - 180 screen
Tube Dimensions:	2 1/2" dia. Stainless Steel 6 ft., 8 ft., or 10 ft. lengths



Series: **PLATLED**



#### PLATFORM LED LIGHT SPECIFICATIONS:

Range:	1 - 5 Miles
Mount:	Pedestal
Light Source:	LED
Colors:	Red, Green
Material:	High-impact polycarbonate
Voltages Available:	12 VDC; 120, 220 VAC
Weight:	5 lbs.
Dimensions:	6" dia. base x 11"h
Battery Consumption:	.350 Ah per night
Mounting:	4 holes on flange



Marine      Vehicle      Railroad      Util

[MARINE LIGHTS](#) > [SOLAR LIGHTS](#) > [9SOL-FLAT MOUNT](#)

Marine Home

Solar Lights

TB Navigation Lights

Barge Navigation  
Lights

Driftlights

Dredge Lights

LED Floodlights

Buoys

Marker Lights

Anchor Lights

Buoy Lights

Bridge Lights

Tow Boat Lights



#### 9SOL-FLAT MOUNT SPECIFIC

- Range: Up to 1 mile visibility
- Mount: Flat Mount
- Light Source: LED
- Material: High-Impact polycarbonate
- Battery Life: 3- 5 years
- Autonomy: 3-5 nights
- Weight: 1 lb.
- Dimensions: 7"w x 7"h



WHITE



AMBER



RED



GREEN



BLUE

#### MOUNT OPTIONS:



PIPE MOUNT



MAGNETIC MOUNT

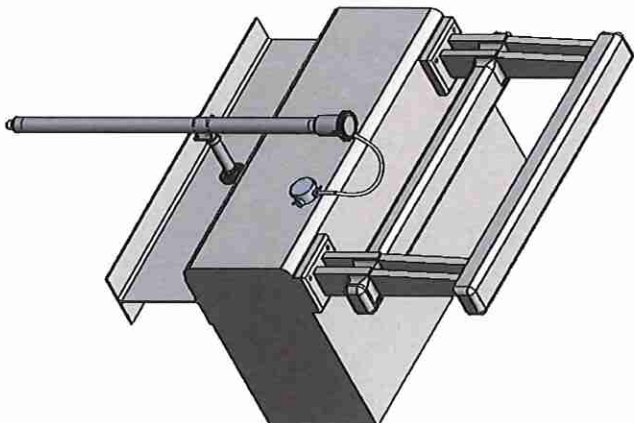
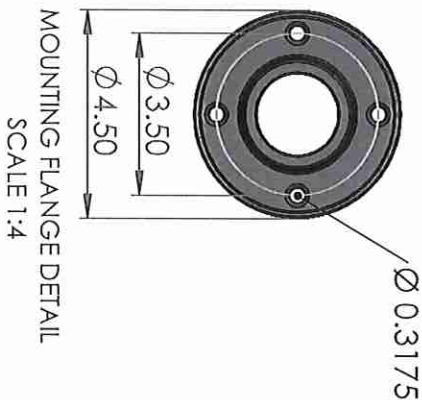
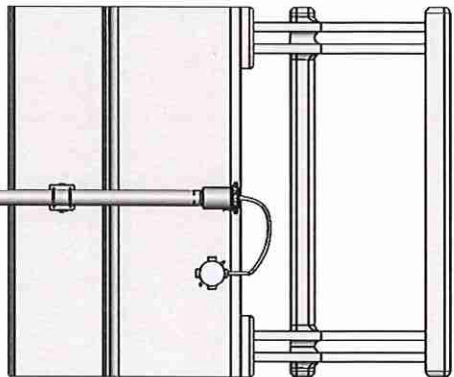
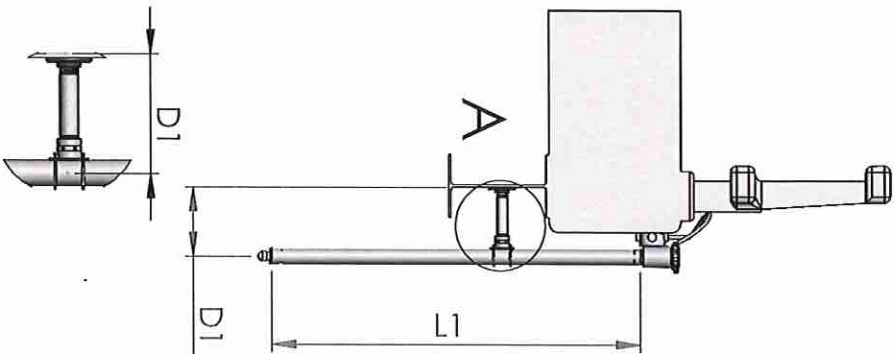
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B



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**MODELS**

BTL- $\left\{ \begin{matrix} 12 \\ 120 \end{matrix} \right\}$  -3-L-D

**KIT INCLUDES**

- PAINTED CAST IORN MOUNTING FLANGE
- STAINLESS STEEL U-BOLTS
- STAINLESS STEEL NIPPLE TO SPECIFIED LENGTH
- STAINLESS STEEL PLATE
- STAINLESS NUTS AND WASHERS
- STAINLESS STEEL LIGHT TUBE TO SPECIFIED LENGTH
- COAST GUARD APPROVED LED LIGHT

**DETAIL A**

SCALE 1 : 18

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		ANGULAR: MACH ±		Q.A.		
		BEND ±		COMMENTS:		
		TWO PLACE DECIMAL ±				
		THREE PLACE DECIMAL ±				
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DEPARTMENT OF HOMELAND SECURITY  
UNITED STATES COAST GUARD  
BRIDGE ADMINISTRATION DIVISION  
MINIMUM LIGHTING FOR FIXED BRIDGES  
33 CFR 118.65

