
Alfred Battle

From: Chris Bennett <cbennett@craventhompson.com>
Sent: Tuesday, November 27, 2012 5:43 PM
To: Mark Friedman
Cc: Paula Hollihan; Alfred Battle
Subject: Sistrunk lighting levels

Mark:

Since we haven't received a lighting level test report from CFE/Enterprise yet, I've done some more digging on our side and have additional information for you, as we wait to see if and when Enterprise will do the illumination test that was requested 10 days ago.

Our electrical engineering sub went out to the field last week and tested a couple of spots for me with his own light meter. In the 4 locations that he tested, the lowest reading he got was 0.50 foot-candles (just west of NW 14th AVE)... On average all 4 tests came out over 1.0fc. This is all above the noted minimum on the design plan photometrics (0.35 per plan). This means we meet and exceed the illumination level that this project was designed to provide.

As for design standards and typical design rules, I also have additional information. It seems that the City has (or used to have) a lighting code from 1998 entitled "City of Fort Lauderdale Street Lighting Regulations." This Article has a section in it listing illuminance levels that should be met for roadways in the City. In general, for a roadway like Sistrunk, I read the article as requiring a minimum footcandle level of 0.23fc and an average footcandle level of 0.90fc. As noted above, our quick test of 4 different locations shows that we meet this requirement.

From here I don't think there's much else we can do. If the City wants brighter lights then I think it would require an internal discussion to determine if it's worth the extra cost and effort. I would give you a rough estimate of \$150k to replace the current light fixtures plus an additional \$25k-\$50k for the 25 light poles that still need to go up in a future project on the south side of Section 3. This is a total cost of \$150k to \$200k, depending on the contractor, just to get brighter lights that may not really be necessary.

Let me know if you need any additional information. I'll keep on Enterprise to get us additional light test results and hopefully CFE will give you a price soon to provide and install new 150W fixtures.

Thanks,
-Chris

From: Chris Bennett
Sent: Tuesday, November 20, 2012 3:52 PM
To: 'Mark Friedman'
Cc: Paula Hollihan (phollihan@craventhompson.com)
Subject: RE: Sistrunk lighting level (email 2 of 2)

Here's email 2 of 2.
See attached.

From: Chris Bennett
Sent: Tuesday, November 20, 2012 3:51 PM
To: 'Mark Friedman'
Cc: Paula Hollihan (phollihan@craventhompson.com); 'bray501@bellsouth.net'
Subject: RE: Sistrunk lighting level (email 1 of 2)

Here's the photometric plan from the Sistrunk project plan set. (email 1 of 2 – due to file size)

I spoke with David and he hopes to do the light/illumination test by Tuesday, 11/27/12. I know that David had to get the device from his main office as well as a computer that has the testing software and he needs to coordinate with a specific guy who does this type of work, so we think Tuesday will be the best possible date to get this done.

As for any specific specifications on lighting requirements, here's what we have dug up for you, so far: Since the City has no specific city ordinance for street lighting, I am asking one of our electrical engineers to give me a better idea of what type of lighting specs would be typical for a roadway like Sistrunk. So far he has advised me that a minimum illumination level of 0.33 is common, so the 0.35 minimum that is shown on the Sistrunk design drawings seems to be acceptable. I will have more information for you tomorrow (hopefully), so I can update this response.

Thanks,
-Chris

From: Mark Friedman [<mailto:MFriedman@fortlauderdale.gov>]
Sent: Tuesday, November 20, 2012 2:36 PM
To: Chris Bennett
Cc: Mark Friedman
Subject: FW: Sistrunk lighting level

Chris:

With respect to the e-mail below, you never sent me the lighting spec info, and I never received the photometric plan nor the photometric confirmation from Enterprise. I still need it all.

Thanks,
Mark

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From: Albert Carbon
Sent: Thursday, November 15, 2012 8:32 AM
To: Mark Friedman

Cc: Hardeep Anand

Subject: FW: Sistrunk lighting level

Mark,

Check the specifications for lights and lamination and get back with me.

Albert

From: Alfred Battle

Sent: Wednesday, November 14, 2012 7:10 PM

To: Albert Carbon

Subject: Sistrunk lighting level

There is concern from Comm DuBose about the brightness of the gold light poles.

Dont believe it is easy to adjust illumination but please ask Mark to get an answer to be ready to address the issue

Sent from my Samsung smartphone on AT&T

Alfred Battle

From: Paula Hollihan <phollihan@craventhompson.com>
Sent: Wednesday, December 19, 2012 2:13 PM
To: Albert Carbon; Alfred Battle; Mark Friedman
Cc: Chris Bennett; Robert Cole
Subject: Commissioner DuBose lighting concerns

All,

I understand that there was a meeting with Commissioner DuBose today to discuss street lighting. Based on that meeting, we were asked to explore options and benefits of increasing lights from 100 watts to 150 watts. If you would like us to pursue this further, we could bring in an electrical sub to determine if the wattage could be increased using the current fixtures and if a 150 watt fixture is available for these lights. Also, he would investigate how the higher wattage would affect lighting levels. This would also require preparation of a new photometrics plan.

Please let us know if you would like us to proceed with the additional assessment.

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