

RESOLUTION 2015-08-02

A RESOLUTION OF THE DOWNTOWN INVESTMENT AUTHORITY (“DIA”) APPROVING A SCOPE OF SERVICES, INCLUDED AS EXHIBIT ‘A’ TO THIS RESOLUTION, FOR THE PROCUREMENT OF PROFESSIONAL SERVICES RELATING TO DOWNTOWN LIGHTING IMPROVEMENTS. AUTHORIZING THE DIA CHIEF EXECUTIVE OFFICER TO NEGOTIATE AND EXECUTE CONTRACTS IN ACCORDANCE WITH THE SCOPE OF SERVICES.

WHEREAS, the Downtown Investment Authority (“DIA”) has been designated by the City of Jacksonville as the Community Redevelopment Agency for community redevelopment areas within the boundaries of Downtown pursuant to Jacksonville Municipal Code, Title IV, Chapter 55, Part 3; and

WHEREAS, a Business Investment and Development Plan (“BID Plan”) has been adopted pursuant to section 55.308(5), Ordinance Code, which includes an update of the Community Redevelopment Area (“CRA”) Plans for Downtown consisting of the Southside CRA and the Northbank CRA, as well as a Business Investment Plan; and

WHEREAS, pursuant to Code Section 55.308, all development and redevelopment must be consistent with the BID Plan; and

WHEREAS, Downtown lighting improvements are specifically identified as projects in the BID Plan; and

WHEREAS, the Mayor’s Office has included \$480,000 in the proposed Capital Improvement Program for FY 15-16 and an additional \$270,000 for FY 16-17; and

WHEREAS, the Jacksonville Sheriff’s Office performed a “Downtown Lighting Evaluation” in 2014, which identified areas within Downtown that require significant lighting improvements in order to improve safety; and

WHEREAS, DIA finds it necessary to procure professional services for program implementation.

BE IT RESOLVED, by the Downtown Investment Authority:

Section 1. The DIA finds that the recitals set forth above are true and correct and are incorporated herein by this reference.

Section 2. The DIA approves the Scope of Services included as Exhibit ‘A’, and authorizes the Chief Executive Officer, in conjunction with the Department of Public Works, to negotiate and execute contracts for professional services in accordance with the Scope of Services.

Section 3. This resolution shall become effective upon its approval by the DIA this 26th day of August, 2015.

WITNESS:

Karen Anderson

DOWNTOWN INVESTMENT AUTHORITY

Jim Bailey, Chairman

VOTE: In Favor: 7 Opposed: 0 Abstained:



Legend

 LIGHTING STRATEGY AREA

DOWNTOWN LIGHTING STRATEGY AREA REQUEST FOR PROPOSAL



Not To Scale
August 2015



Jacksonville Sheriff's Office

John Rutherford, Sheriff

“Downtown Lighting Evaluation”



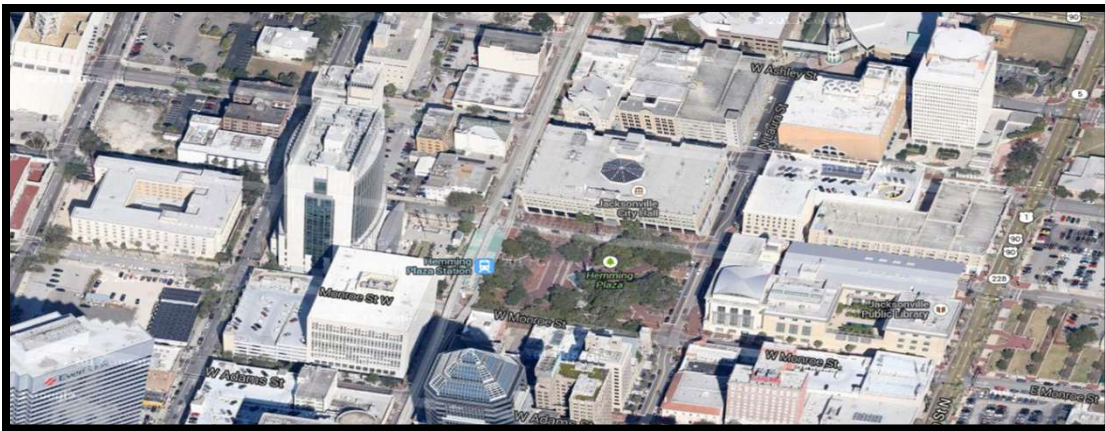
Downtown “Lighting Evaluation”



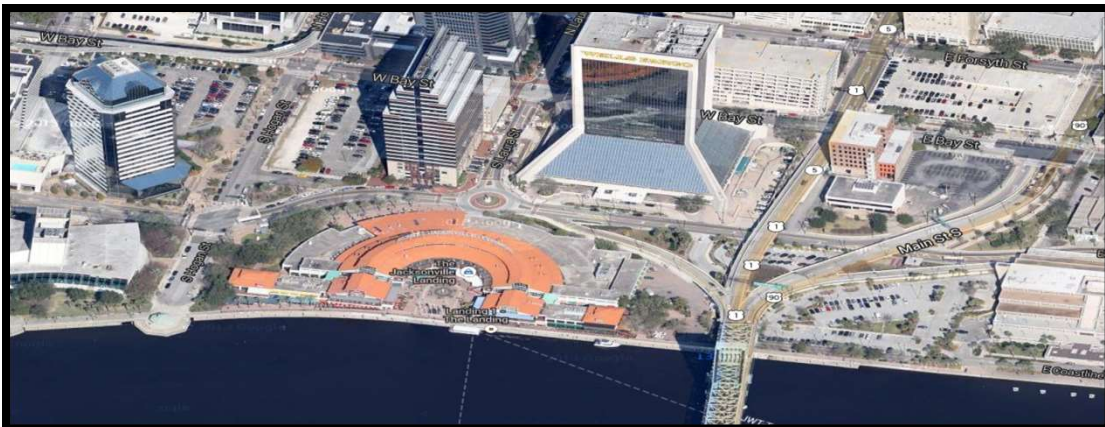
Area Overview

Due to the original scale of the project, the location was broken down into two distinct evaluation “Hotspots”, and were selected based upon current Crime Analysis information.

- Area “A” is defined by Laura Street to the East, Duval Street to the North, Monroe Street to the South, and Hogan Street to the West. The area is primarily for recreational (Hemming plaza), and governmental (City Hall / Main Library) use.

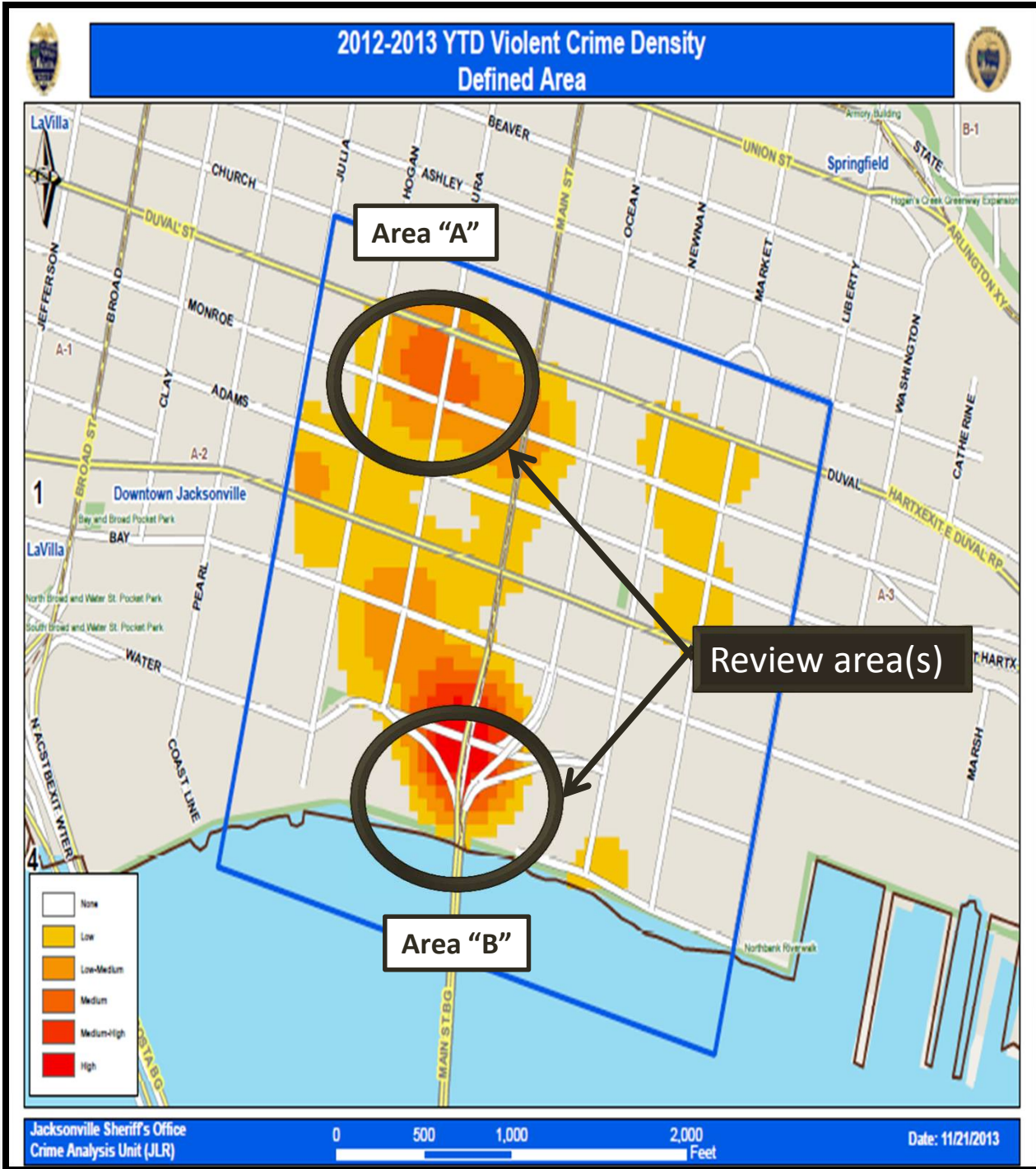


- Area “B” is defined by Bay Street to the North, Independent Drive to the South, Laura Street to the West, and Ocean Street to the East. The area encompasses large scale corporation / commercial, public roadways, and retail / entertainment (Landing).





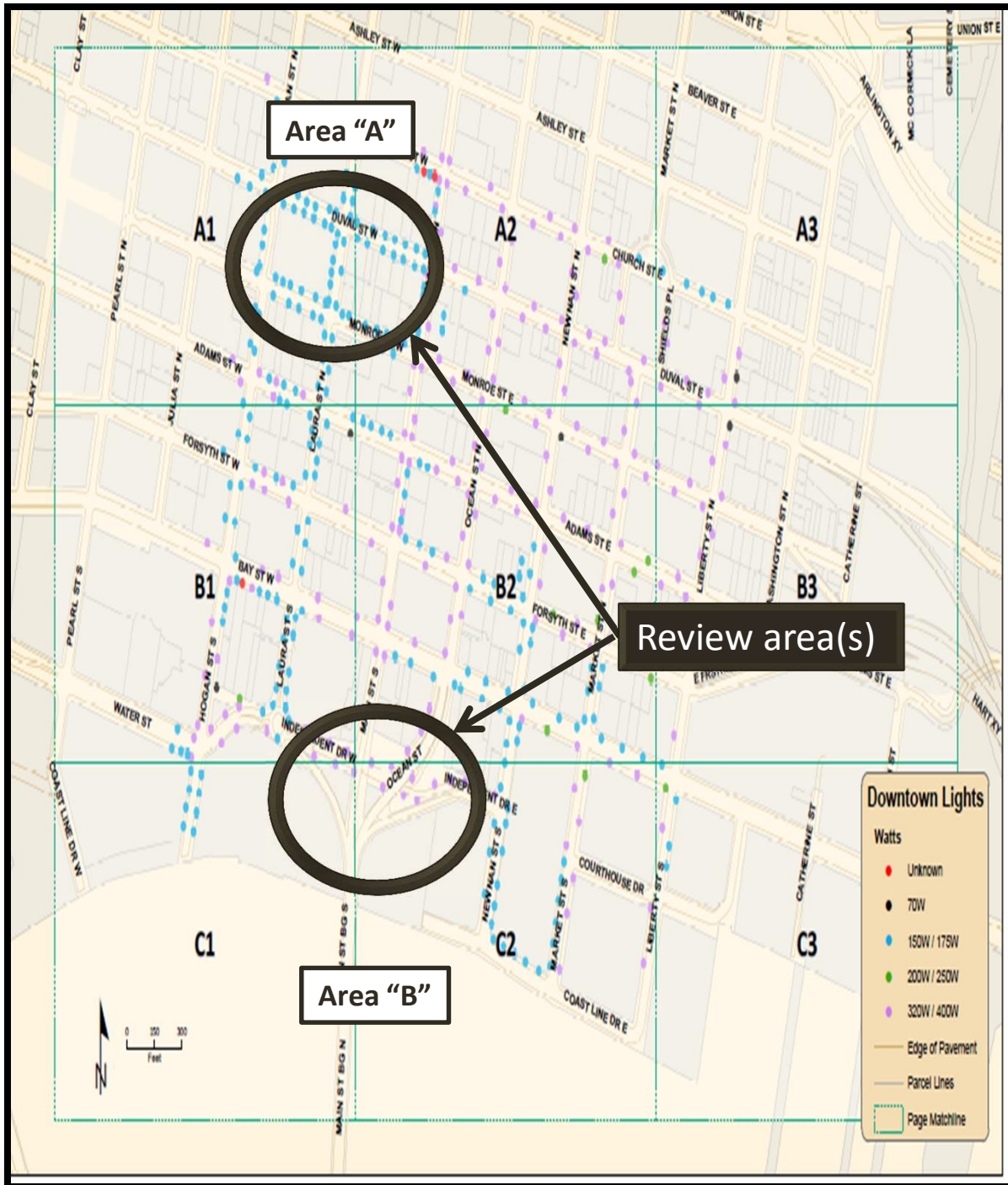
Downtown “Lighting Evaluation”



Violent crime area density map is not based on city-wide data, but is an evaluation and comparison of the designated area only.



Downtown "Lighting Evaluation"



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Downtown "Lighting Evaluation"



Area "A"



Area had a significant number of lights (almost to the point of being excessive). A vast majority of the lighting at this location was non-directional, and contained no protection from glare or light trespass / pollution.



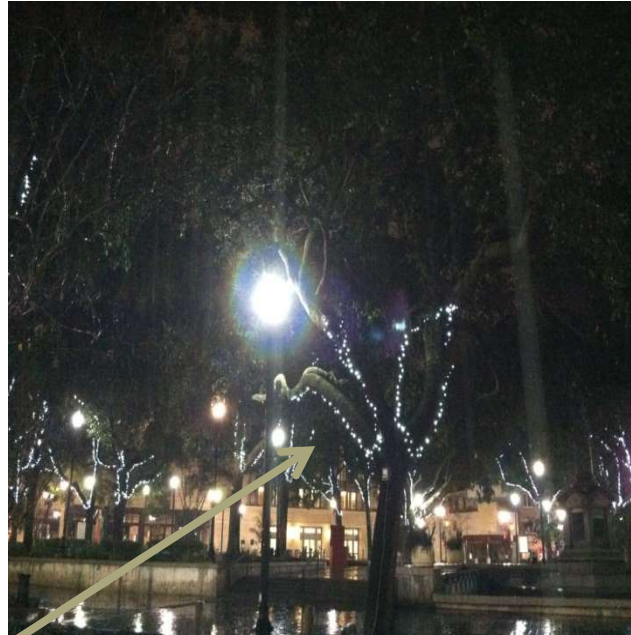
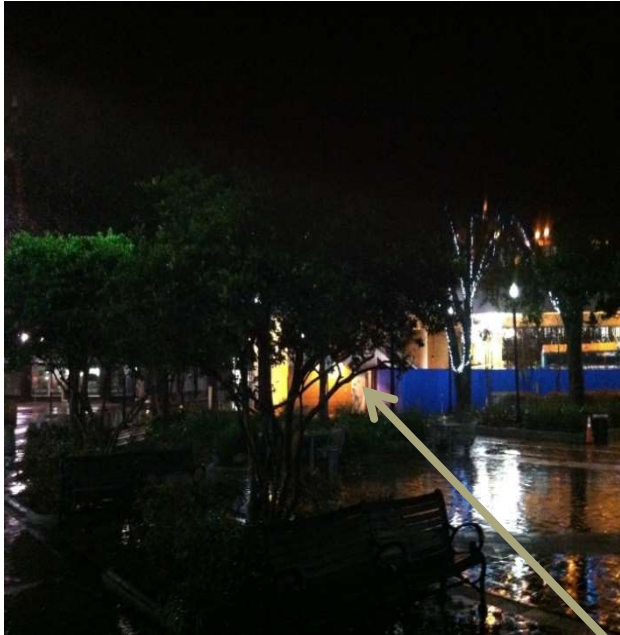
Some of the lighting fixtures appeared to be broken, and were not operational.



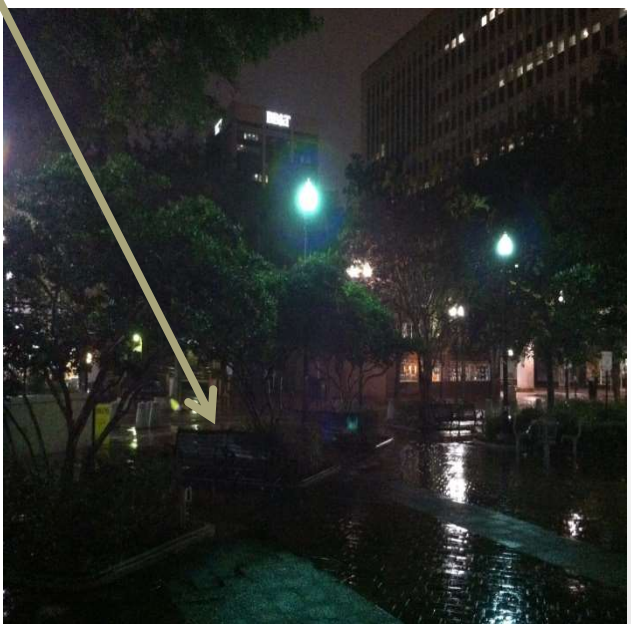
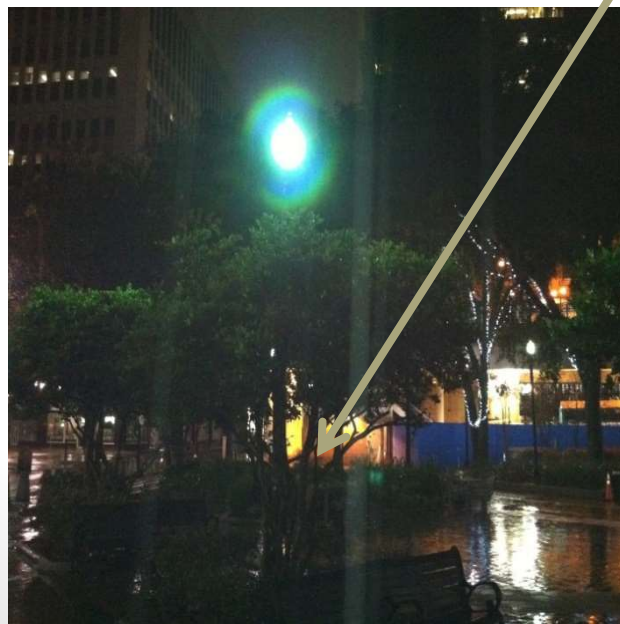
Downtown "Lighting Evaluation"



Area "A"



A large number of installed lighting (particularly in the Hemming plaza park area) were either obstructed, or fully concealed by existing vegetation. As a result, numerous concealment areas, and dark locations were created.

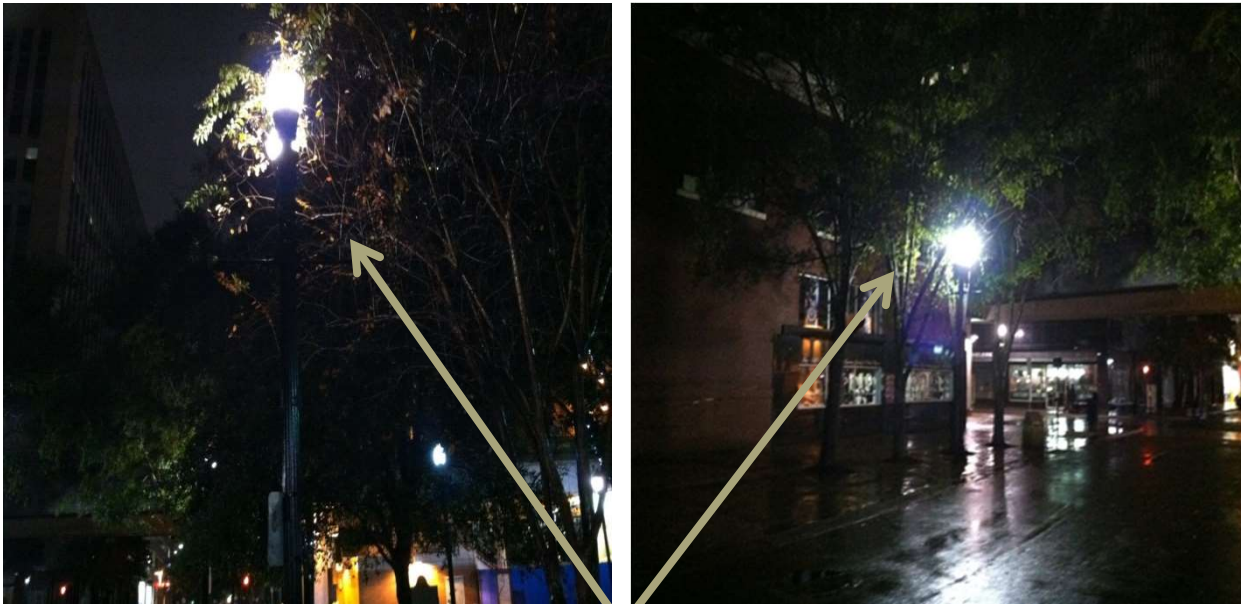




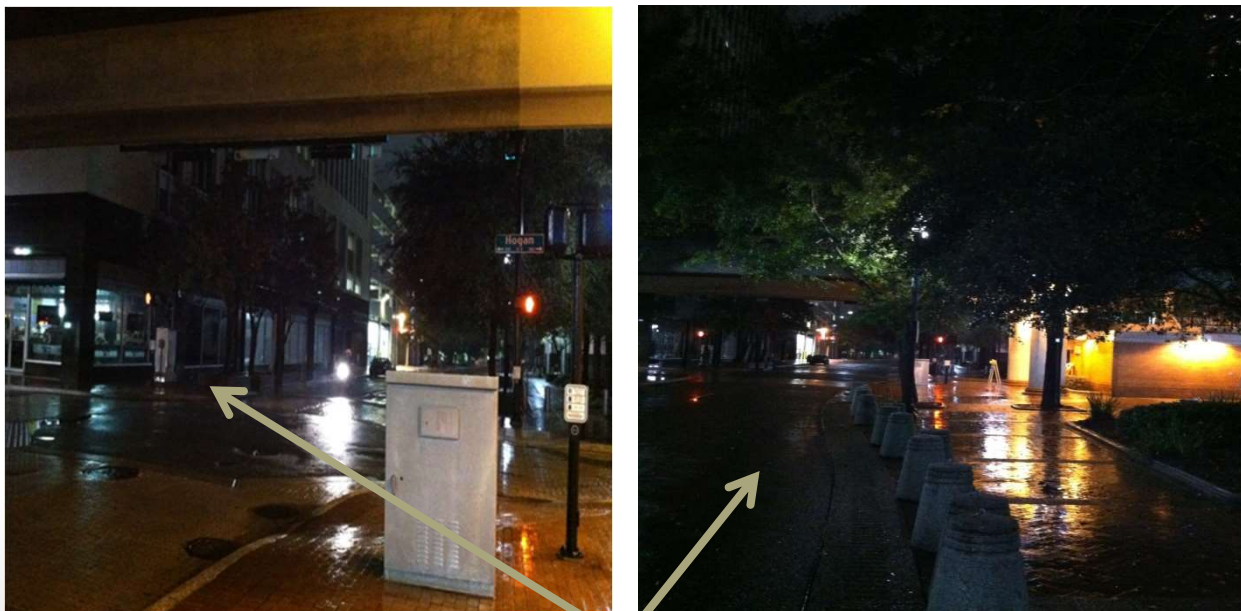
Downtown "Lighting Evaluation"



Area "A"



A large number of installed lighting (particularly in the Hemming plaza park area) were either obstructed, or fully concealed by existing vegetation. As a result, numerous concealment areas, and dark locations were created.



Although the lights bordering the park were sufficient, nearby streets lacked sufficient lighting. It is recommended that additional (non-sodium) lighting be installed.



Downtown “Lighting Evaluation”



Area “A”



Although there is uniformity of lighting along the park’s perimeter, the wattage of those fixtures only emit a minimal amount of foot candles (fc) at ground level. The overall lighting plan provides a sufficient number of light fixtures to the areas outer border, but fails to appropriately address the park’s interior. In turn, this creates a lighting plan that only provides “silhouette” lighting (the least desirable of all lighting schemes). As a result, safety is compromised due to lack of clear visibility and illumination, and increases the overall fear of crime.



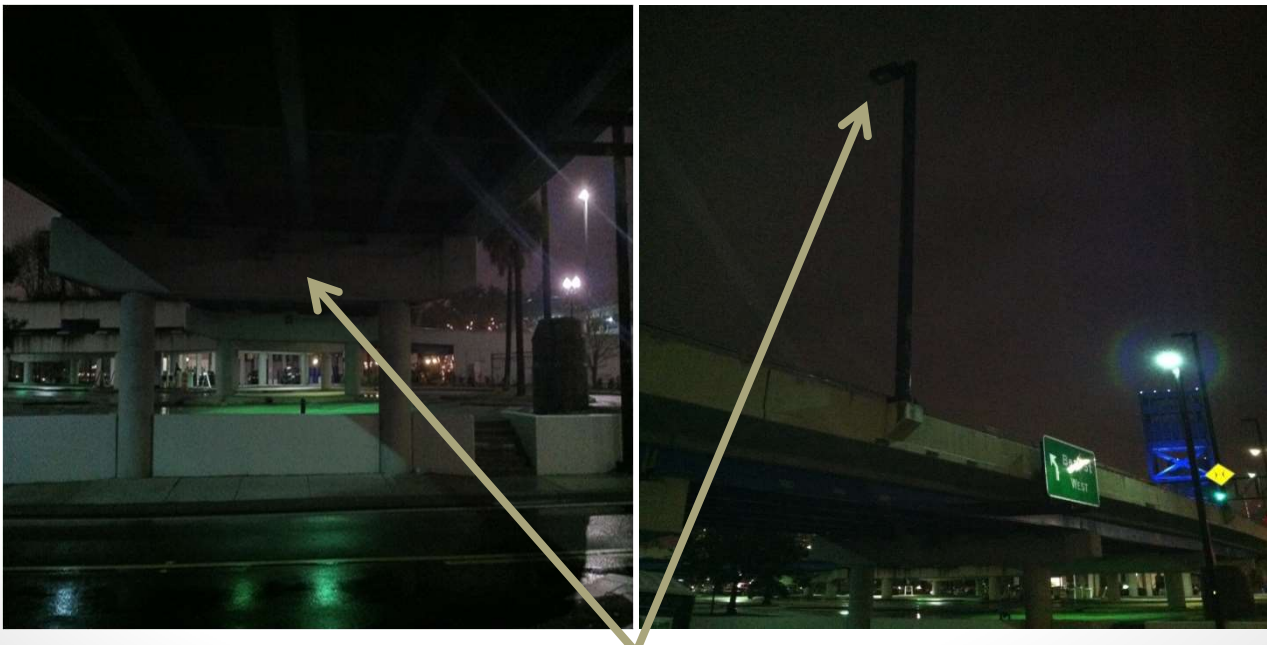
Downtown "Lighting Evaluation"



Area "B"



Numerous locations along the evaluated area contained dark locations, and/or inoperable light fixtures.



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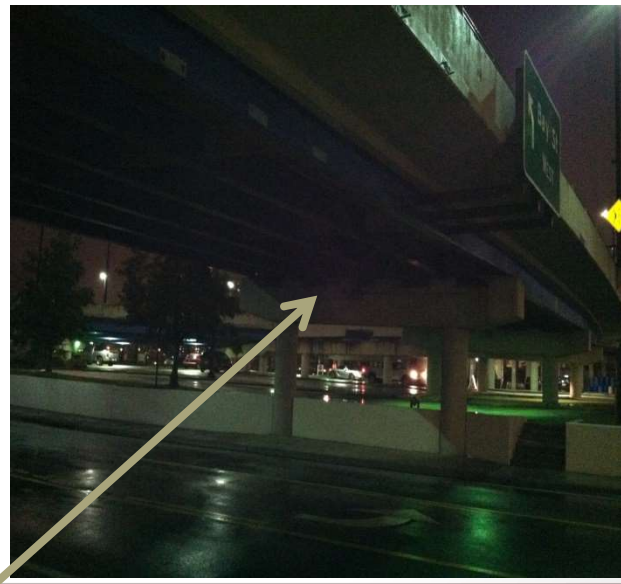
Downtown "Lighting Evaluation"



Area "B"



Numerous locations along the evaluated area contained dark locations, and/or inoperable light fixtures. Locations that provide concealment and minimal lighting were being utilized by unauthorized individuals which further diminish the feeling of safety.



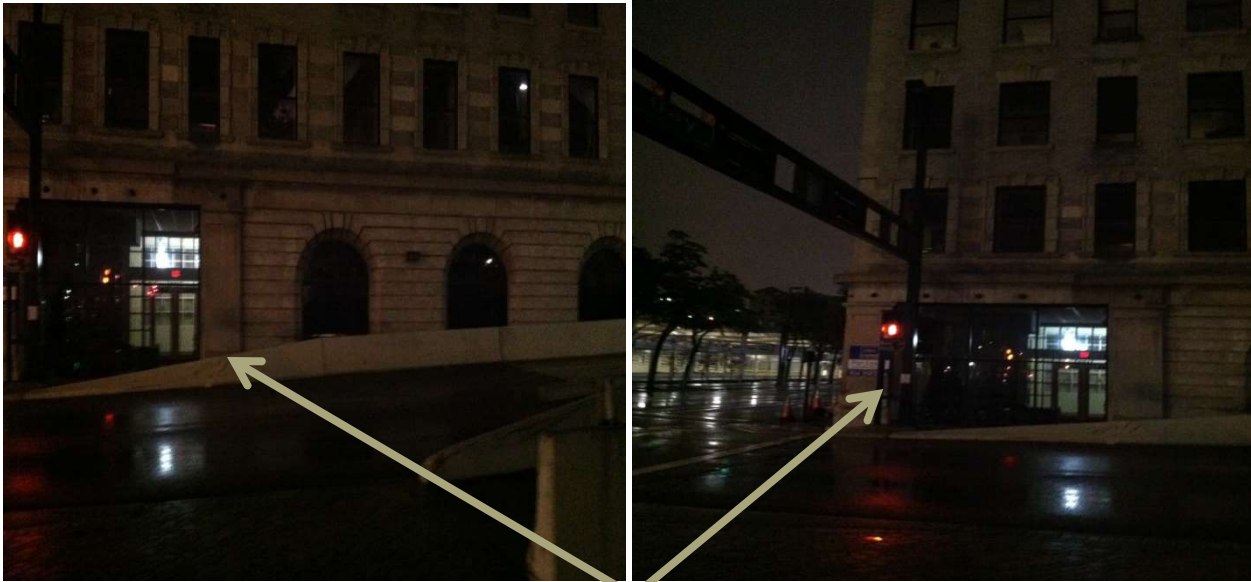
In addition to broken light fixtures, Poorly lit design features also contributed to the lack of available surveillance and fear of crime.



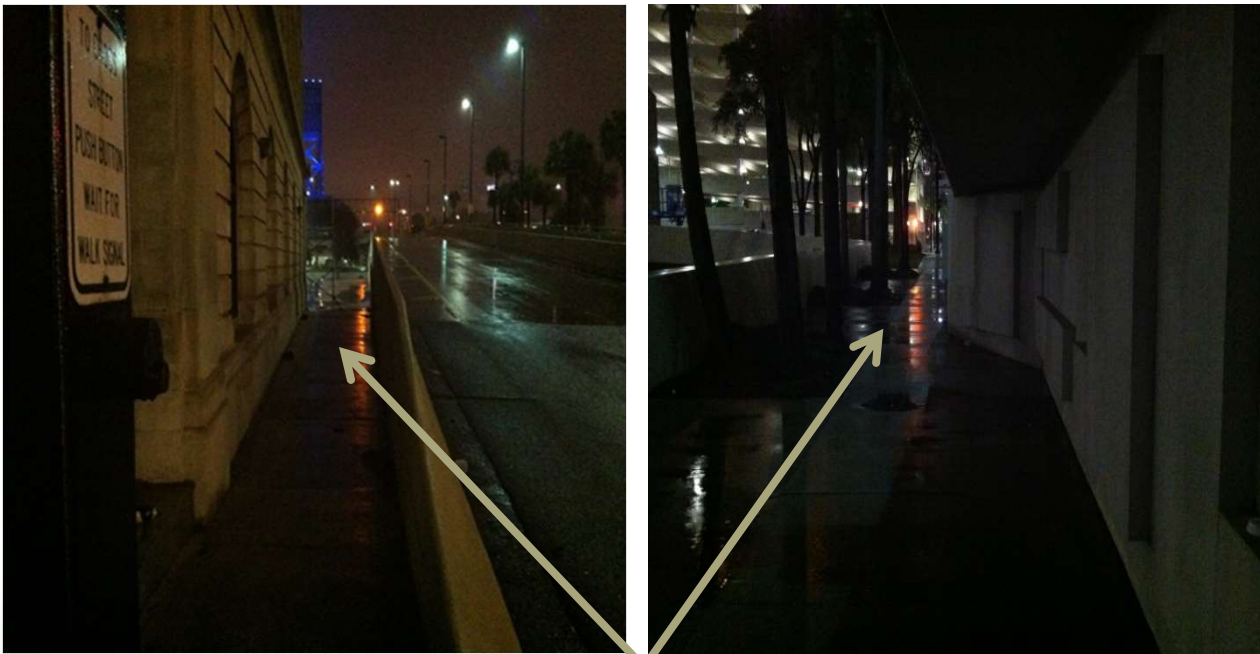
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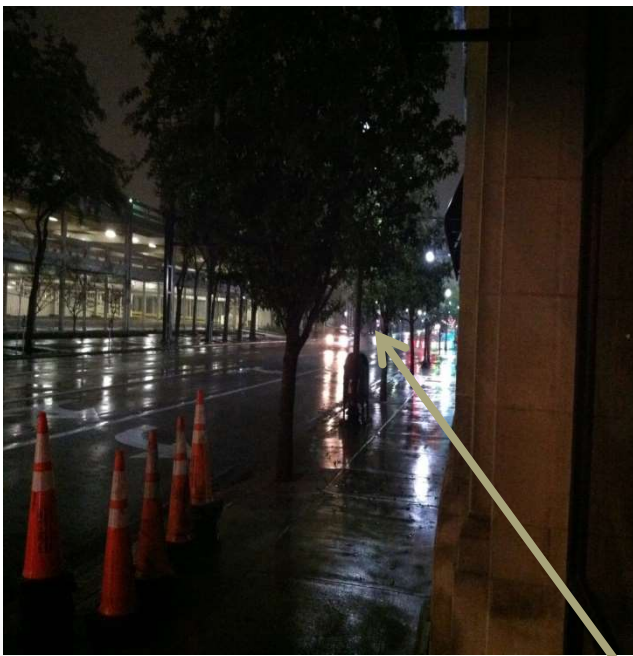
Broken light fixtures, and poorly lit areas contribute to the lack of available surveillance and increase the users fear of crime. It is recommended that either access to these areas be restricted, or additional lighting be placed along the walkway to increase visibility.



Downtown "Lighting Evaluation" Area "B"



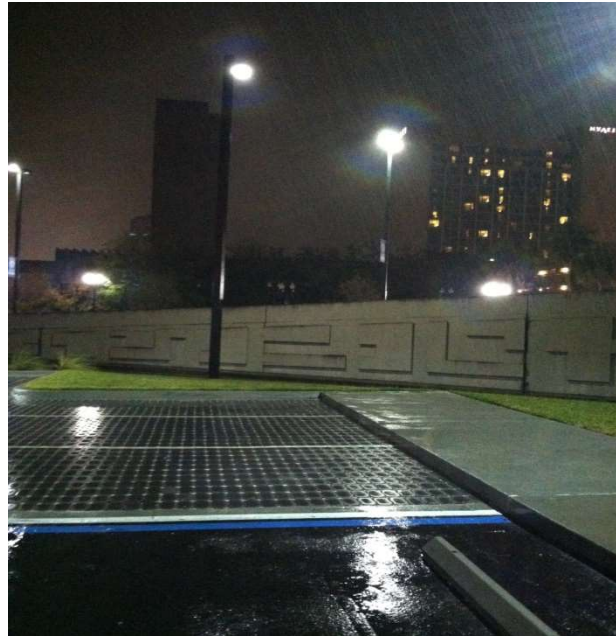
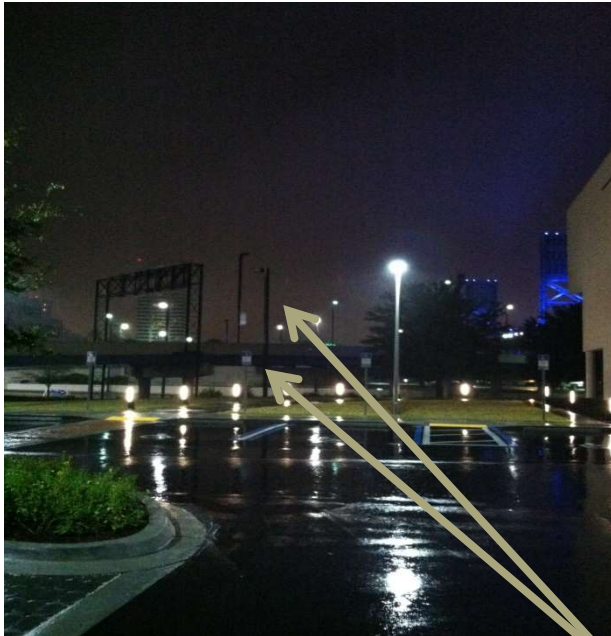
Numerous light fixtures within the evaluated area were found to not be operating.



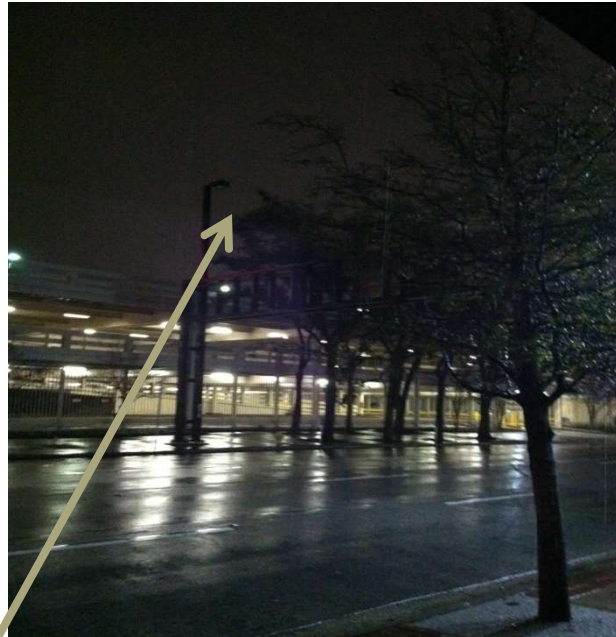
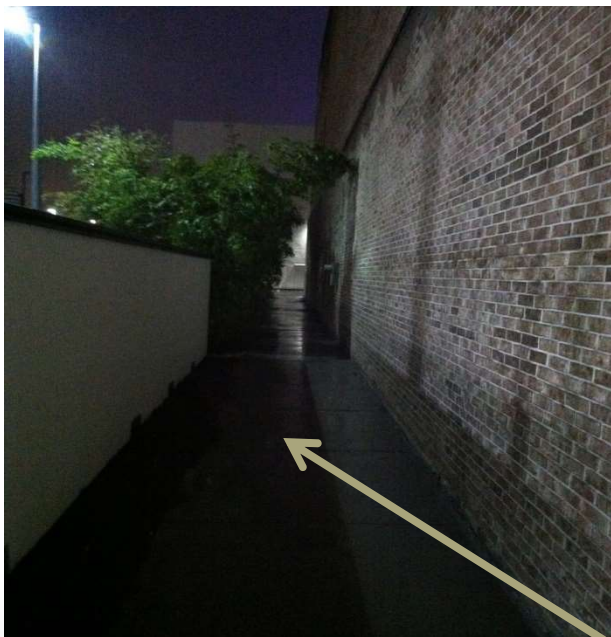
Light fixtures within the evaluated area were found to either be broken (not operational), or obscured by existing landscape. It is recommended that the lights be repaired, and that the tree canopy be trimmed or lower lighting be installed.



Downtown "Lighting Evaluation" Area "B"



Some areas contained sufficient lighting, and good uniformity, but were still impacted by areas that contained inoperable lights.



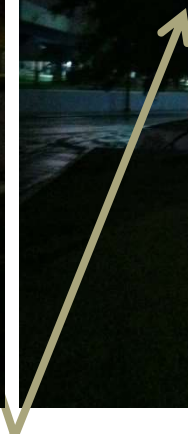
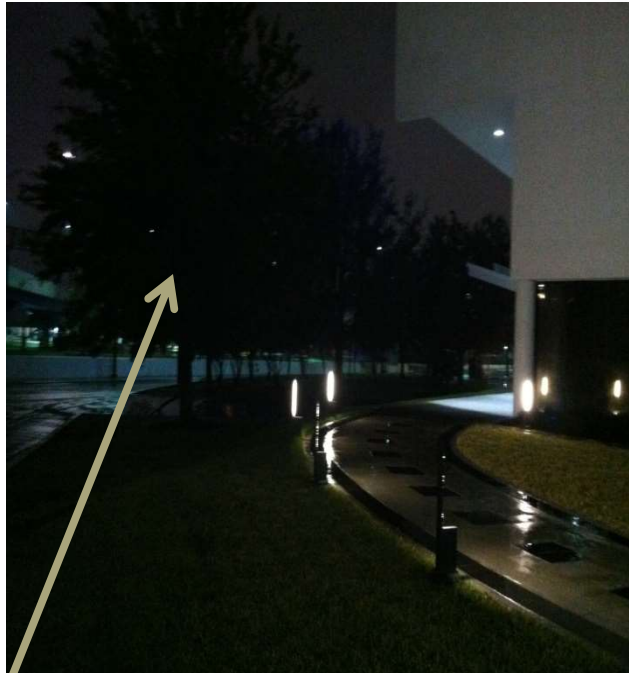
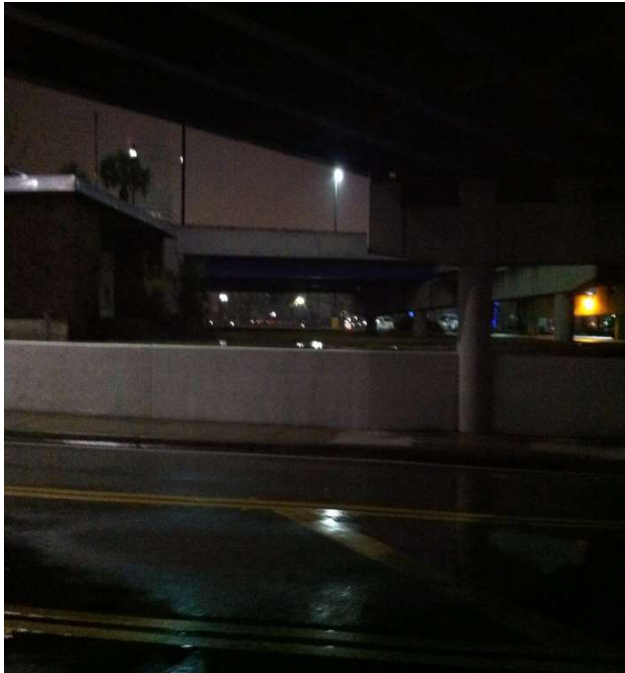
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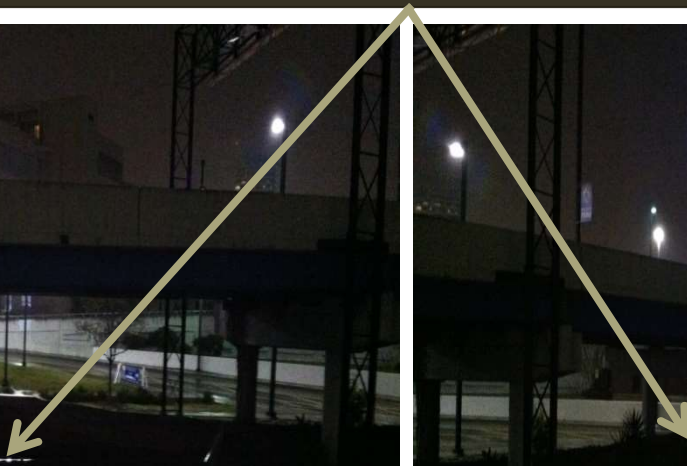
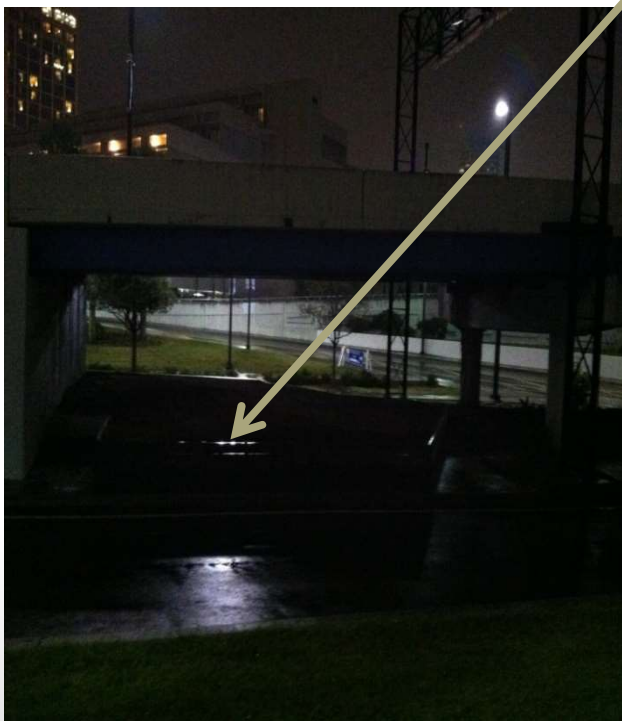
Downtown "Lighting Evaluation"



Area "B"



A combination of inoperable lights, tree canopies, and poor design all contribute to the overall lack of lighting and surveillance in the area.

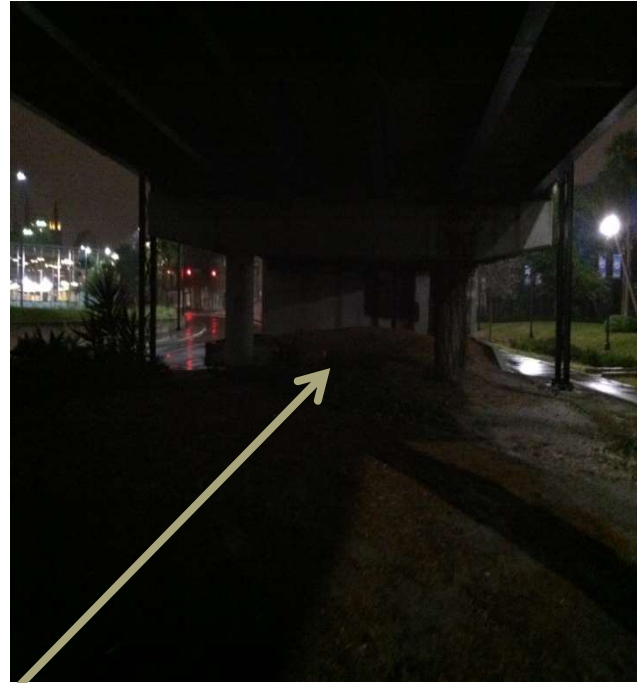




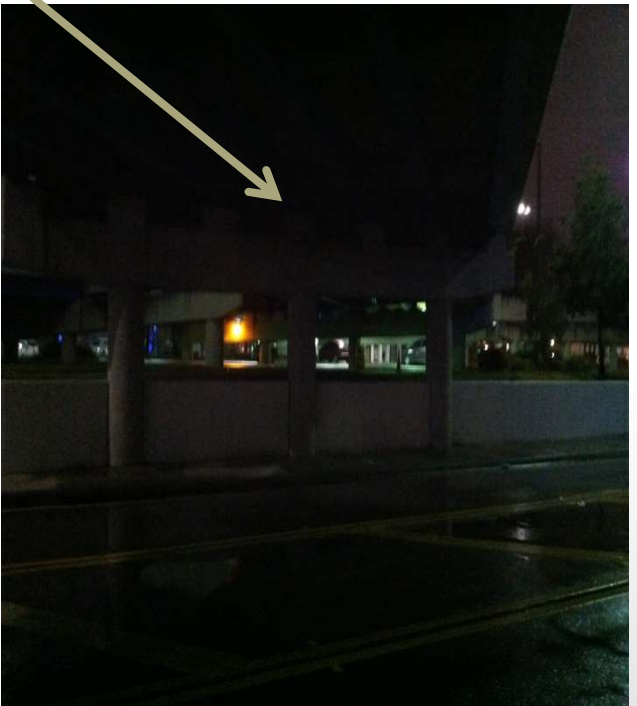
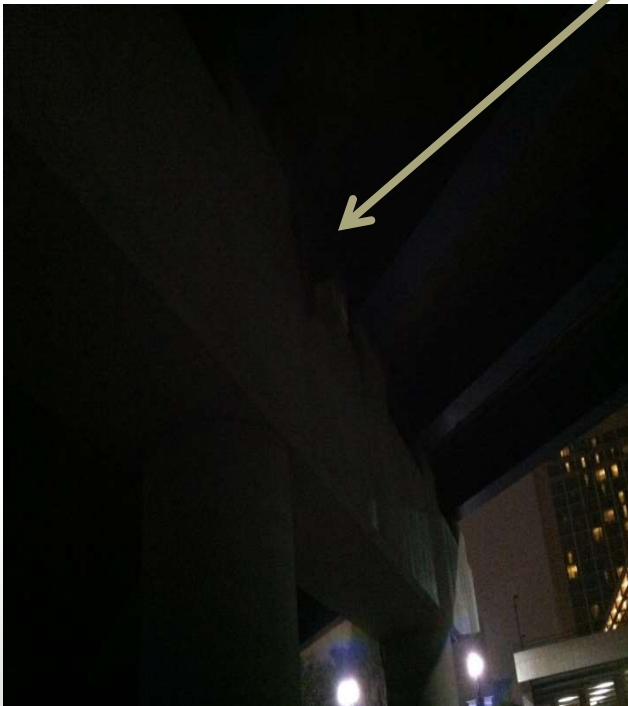
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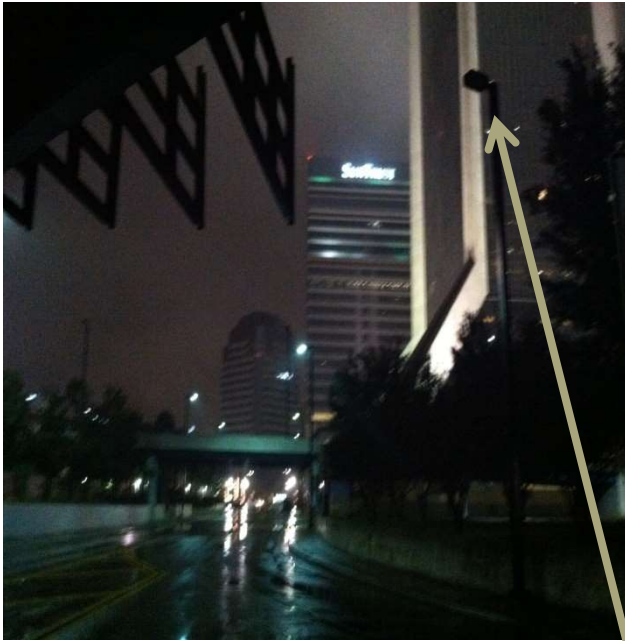




Downtown "Lighting Evaluation"



Area "B"



Numerous lights were found inoperable. It is highly recommended that these lights be repaired or replaced





Downtown “Lighting Evaluation”



Discussion

Area “A”

This area is primary recreational and governmental. As a result, a majority of its legitimate use is mainly during business hours. During the evening, late night, and on weekends, the property is often overwhelmed by the local transient population. The area around the park has a large number of lighting fixtures, but the wattage / foot candles at ground level is extremely low. The fixtures do not contain any cut-offs to reduce glare, and therefore negatively impact the legitimate users ability to see at night. In addition, the lighting design places a significant amount of lighting fixtures along the outer perimeter of the property. In addition to the previous issues, this creates a silhouette lighting scheme with the already limited available light. All of these fixtures should be reviewed, and evaluated for effectiveness (to include removing any unnecessary lights if needed). It is highly recommended that the lighting wattages be increased from the lower 150-175 watt fixtures currently installed. The new lighting (preferably non-sodium) should meet or exceed the IESNA recommended standard for park security of 3fc (horizontal) at ground level with a uniformity no greater than 4:1 (IESNA G-1-03, pg. 28). In addition, a lighting plan should be reviewed for the center area of the park, and should include a plan that also provides sufficient lighting for all other public access areas.

Area “B”

This location contains large corporate buildings, parking, and recreational facilities (Jacksonville Landing), and should be considered a “frequent use” location. In addition, the area often hosts large scale events and city functions where thousands of people are in attendance. Because a significant number of lights were not operational, the effectiveness of the existing lighting plan could not be fully determined. Additional areas that provided concealment but contained no lighting fixtures were also included in the report. The design of these locations significantly contribute to the fear of crime, and can impact the likelihood that a crime will occur. Once the lighting has been repaired and evaluated, these area should be reassessed to determine what further steps can be taken to address or mitigate any negative design features.