



**CITY OF FORT LAUDERDALE**  
**City Commission Agenda Memo**  
**CONFERENCE MEETING**

**#15-0952**

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**TO:** Honorable Mayor & Members of the  
Fort Lauderdale City Commission

**FROM:** Lee R. Feldman, ICMA-CM, City Manager

**DATE:** August 18, 2015

**TITLE:** Beach Streetscape Lighting Along SR A1A

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At the July 7, 2015 City Commission Conference meeting, the City Commission directed staff to investigate short-term solutions to address the lack of lighting on the beach. Staff met with Kimley-Horn and EDSA, Inc., the design consultants for the Fort Lauderdale Beach Streetscape Project on SR A1A, and instructed them to prepare a proposal to expedite the design and installation of the lighting portion of the streetscape project and to propose additional supplemental lighting for the east and west sides of the road. Their proposal is attached as Exhibit 1.

The consultants analyzed three options for the portion of SR A1A within the project area (Fort Lauderdale Beach Park, north to Alhambra Street), and two options for the portion of SR A1A outside the project area (north of Alhambra to Sunrise Boulevard). All options include a 20% contingency.

Within the Project Area

The first option (Option A) is to install new pole lights on the west side of SR A1A, as per original design plans and to change the existing high pressure sodium lights on the east side of SR A1A to amber LED lights. This option will provide an average sidewalk illumination of 0.87 foot candles (fc). This is the same lighting design concept as was installed on SR A1A north of Sunrise Boulevard. The cost to expedite this option is \$410,000.

The second option (Option B) is the same as the first option, with the addition of installing 22 extra light poles on the east side of SR A1A. This option will provide an average sidewalk illumination of 0.93 fc. It will cost \$555,520 to install the additional light poles, and \$542,000 to expedite construction.

The third option (Option C) installs new light poles on the west side of SR A1A, and relocates the light poles on the east side from the back of sidewalk to two feet behind the face of curb. This option will also change the existing high pressure sodium lights to amber LED lights. It will cost approximately \$190,000 to relocate the light poles, and \$422,000 to expedite. There is no indication that this option will have a positive effect on

the illumination of the sidewalk.

#### North of the Project Area

For the portion of SR A1A north of Alhambra Street, the consultants looked at the same construction scenarios as the first two options within the project area. The first option (Option A) will provide an average illumination of 1.14 fc and cost \$530,000 to expedite, with Option B averaging 1.15 fc and costing \$712,000 to expedite. Currently, there is no funding identified for this portion SR A1A outside the project area.

The consultants do not recommend the installing lights in the wave wall or lighted bollards on the west side of SR A1A, due to additional costs and aesthetics.

If the City Commission elects to expedite the lighting installation on SR A1A, staff recommends proceeding with Option A for both the project area and for the area north of Alhambra Street outside the project. The difference in the average illumination between Option A and B for both areas is not significant enough to warrant the increase in cost.

#### Strategic Connections

This item is a *Commission Annual Action Plan* high priority, included within the Policy Agenda, providing lighting solutions on the beach.

This item is a *Press Play Fort Lauderdale Strategic Plan 2018* initiative, included in the Public Places Cylinder of Excellence, specifically advancing:

- Goal 3: Be a community that finds opportunities and leverages partnerships to create unique, inviting, and connected gathering places that highlight our beaches, waterways, urban areas and parks.
- Objective 1: Improve access to and enjoyment of our beach, Riverwalk, waterways, parks, and open spaces for everyone.

This item advances the *Fast Forward Fort Lauderdale 2035 Vision Plan: We Are Connected*.

#### Attachment

Exhibit 1 – Expedited Lighting Proposal

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Department Director: Jenni Morejon, Sustainable Development