 <p style="text-align: center;">Council Communication Office of the City Manager</p>	Date: February 20, 2017
	Agenda Item No. 38 Roll Call No. <u>17-300</u> Communication No. <u>17-078</u> Submitted by: Benjamin R. Page, Park and Recreation Director

AGENDA HEADING:

Approving donation and construction agreement between Musco Sports Lighting, LLC (Musco) for Fifth Street Bridge Lighting Improvements, Jim Hansen, Secretary and General Counsel.

SYNOPSIS:

Recommend approval of the proposed agreement with Musco to design, fund and construct supplemental lighting on the Fifth Street Bridge. This project complements, but is separate from, the recently completed SW 5th Street (Jackson Avenue) Bridge Rehabilitation project. Similar to the rehabilitation project, the lighting improvements project will be made possible by The Friends of Jackson Bridge, who raised private donations and pledges for funding of the project in an account at the Greater Des Moines Community Foundation.

FISCAL IMPACT:

Amount: \$50,000

Funding Source: Reduction in the private donation funding commitment for SW 5th Street (Jackson Avenue) Bridge Rehabilitation project from \$1,050,000 to \$1,000,000.

ADDITIONAL INFORMATION:

- The Fifth Street (Jackson Street) Bridge is a three (3) span, pin connected Pratt truss that was originally built in 1898. The three (3) spans served as a vehicular bridge from 1898 to 1993. In 1996, the spans were closed to traffic. Following structural repairs that same year, the bridge was reopened for pedestrian use only. In 2004, some minor structural repairs were done and the wooden deck was replaced as part of a trail construction project.
- In 2013, the bridge was closed again due to severe deterioration until November 2016, when the bridge re-opened to the public following an extensive rehabilitation that restored full functionality of the multi-use trail bridge. This work included structural steel floor beam repair, lateral bracing repair, lower chord rehabilitation, end/interior diagonal rehabilitation, reconfigure and refinish wood deck with lookouts, rehabilitate handrails, blast cleaning of structural steel, painting of structural steel, modification of basic bridge lighting.
- The Fifth Street Bridge now has the opportunity to receive additional supplemental lighting, further enhancing the quality of this landmark. This work will be completely funded by the generosity of

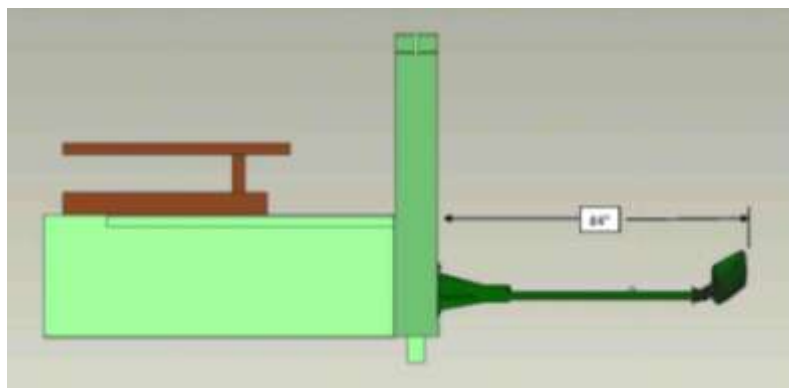
Musco and the donor committee and includes a 10-year warranty included as Exhibit B in the donation and construction agreement.

- Per this Agreement, Musco will: pay for all design, permitting, and construction costs including costs associated with any unforeseen conditions; serve as the General Contractor managing any needed subcontractors; provide plans prepared by a licensed engineer for approval by City engineering prior to start of construction; be insured and indemnify the City per our established standards; provide the City with a 10-year warranty; and provide the City with an Operations and Maintenance Manual to enable optimum function of the supplemental bridge lighting.

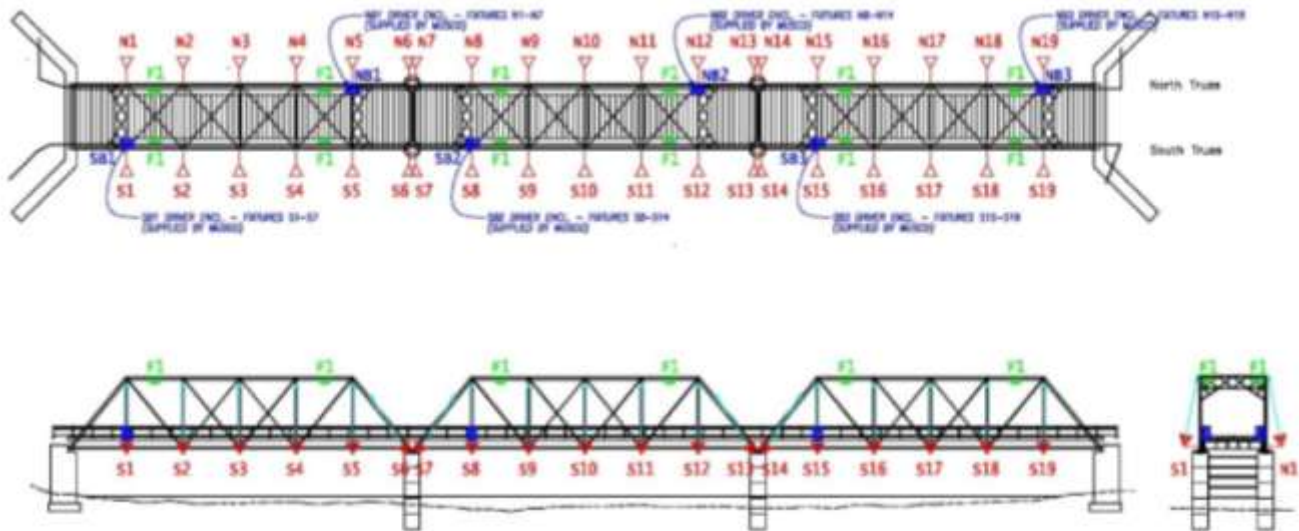
Project Location



Proposed Fixture



Proposed Project Layout



Concept Renderings



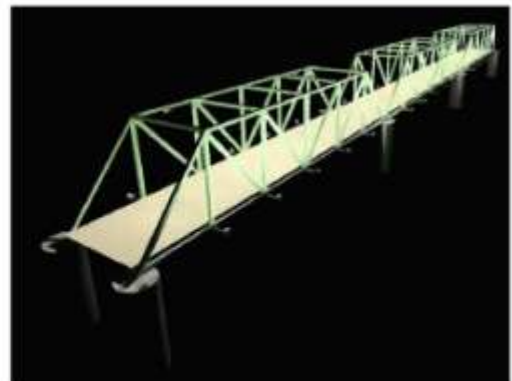
Uplight Design - Looking Northwest



Uplight Design - Looking East



Uplight Design - Looking North



Uplight Design - Looking Northeast

PREVIOUS COUNCIL ACTION(S):

Date: January 11, 2016

Roll Call Number: [16-0075](#)

Action: [On](#) SW 5th Street (Jackson Avenue) Bridge Rehabilitation: approving plans, specifications, form of contract documents, Engineer's estimate, receive and file bids and designating lowest responsible bidder as Cramer and Associates, Inc. (Robert Cramer, President/CAO), \$2,245,020. ([Council Communication No. 16-017](#)) Moved by Hensley to adopt. Motion Carried 7-0.

BOARD/COMMISSION ACTION(S):

Board: Park and Recreation

Date: December 16, 2013

Resolution Number: 13-100

Action: Approve staff's recommendation to:

- 1) Budget CIP funding of \$1,080,000 for repairs to the Meredith Trail Southwest 1st Street Bridge within the next two (2) years; and Council Communication No. 14-411, Page 5 of 5.
- 2) Historically restore the Meredith Trail Southwest 5th (Jackson) Street Bridge to established safety standards for pedestrian bridges contingent upon.
 - (a) \$750,000 being budgeted in the FY2017 CIP budget;
 - (b) Engineers indicating structural feasibility for restoration following an in-depth, second engineering analysis that would build upon the report done by Shuck-Britson;
 - (c) Engineers developing a cost estimate(s) for restoration of the bridge;
 - (d) Staff and stakeholders determining financial feasibility of the bridge's restoration;
 - (e) Stakeholders developing a fundraising plan utilizing private, non-profit, and other state or federal special appropriation funds for the balance of funds needed; and
 - (f) Fundraising being completed within 18 months after completion of the more detailed cost estimate in "c" above; if fundraising efforts are not successful or if the cost estimate is beyond an amount stakeholders feel is reasonable to obtain, the City will utilize the \$750,000 for demolition of the bridge.

Board: Park and Recreation

Date: November 26, 2013

Resolution Number: 13-092

Action: Receive and file staff's recommendation to: 1) budget CIP funding of \$1,080,000 for repairs to the Southwest 1st Street Bridge within the next two (2) years; 2) begin discussions with granting and regulatory agencies that are pertinent to removal of the Southwest 5th (aka Jackson) Street Bridge, budget CIP funding of \$750,000 for removal of the bridge in approximately three (3) years; and 3) accept outside fundraising efforts to complete the funds necessary to instead restore, repair or replace the bridge.

ANTICIPATED ACTIONS AND FUTURE COMMITMENTS:

Final acceptance of work.

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