



CHRIS ABELE, MILWAUKEE COUNTY EXECUTIVE
JOHN DARGLE, JR., DIRECTOR OF PARKS, RECREATION AND CULTURE

Date: October 2, 2017
To: Jason Haas, Chair, Parks, Energy and Environment Committee
From: John Dargle, Jr., CPRP, Director, Milwaukee County Parks
Subject: **Lyons Park Bridge Replacement Fund Transfer Request (INFORMATION)**

ISSUE

Informational report on the Fund Transfer Request to create new Project WPXXX Lyons Park Bridge Replacement. Expenditure authority in the amount of \$260,000 is requested to be transferred from surplus funding in the following projects:

| | |
|---------------------------------|-----------|
| WP225 Oakwood GC Cart Paths | \$210,000 |
| WP383 Mitchell Domes Electrical | \$22,000 |
| WP603 Smith Retaining Wall | \$28,000 |

BACKGROUND

Acquisition of land for Lyons Park occurred in 1946, however, development of the site did not commence until 1956. The Park contains a network of paved trails including three pedestrian bridges. Each bridge is approximately 40-feet in length, six feet wide, single span, wood deck and railing supported by two painted steel I-beams on reinforced concrete abutments.

Earlier this year, the County retained Malas Engineering LLC to perform the following scope of work:

- Inspect the bridges
- Provide written inspection report
- Report to include recommended repairs if bridges are repairable
- Provide associated cost estimates for repair
- If not repairable, provide cost estimate for bridge replacement(s)

The report and the cost estimates are attached.

The south bridge is in relatively good condition while the center and north bridges require major rehabilitation or replacement. The center bridge is unsafe and currently closed to the public. The north bridge is recommended for closure after this year unless major repairs or replacement occur. The existing abutments protrude from the bank, making them susceptible to washout and undermining. The superstructure has heavy steel corrosion and localized rotting, missing sections, and cracking of wood decking.

Five alternatives were evaluated and estimated. Complete replacement of the center and north bridges with concrete slab and wood railings is the preferred alternative. This alternative was selected due to cost and performance of the materials at these locations. Concrete surfaces are longer lasting and lower maintenance than wood surfaces. Wood decking would need to be replaced two or three times before the concrete bridge would need rehabilitation. The bridges are in a shaded area and the timber elements are more susceptible to rotting because the shade holds the moisture longer.

Surplus funding is being requested from the projects listed above, which are complete or substantially complete.

This fund transfer has no tax levy impact.

RECOMMENDATION

No action requested. Informational item unless further action required.

Prepared by: Jill Organ, Chief of Planning and Development

Approved by:



John Dargle, Jr., CPRP, Director

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