



# City of Sacramento City Council

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[www.CityofSacramento.org](http://www.CityofSacramento.org)

**Meeting Date:** 11/8/2012

**Report Type:** Consent

**Title:** Guy West Bridge Rehabilitation Project

**Report ID:** 2012-00864

**Location:** The Guy West Bridge spans the American River between California State University Sacramento and University Avenue in the Campus Commons Community, Districts 3 and 6

**Recommendation:** Pass a Resolution appropriating \$1,457,000 in New Measure A Maintenance Funds (Fund 2026) to the Guy West Bridge Rehabilitation Project (K15105000) for rehabilitation of the Guy West Bridge.

**Contact:** Edward Williams, Associate Civil Engineer, (916) 808-8288; Nicholas Theocharides, Engineering Services Manager, (916) 808-5065, Department of Public Works

**Presenter:** None

**Department:** Public Works Department

**Division:** Funding & Project Development

**Dept ID:** 15001121

## **Attachments:**

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- 1- Description/Analysis
- 2 - Background Information
- 3 - Resolution
- 4 - Exhibit A - Location Map

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### **City Attorney Review**

Approved as to Form  
Gerald Hicks  
10/24/2012 2:06:55 PM

### **City Treasurer Review**

Reviewed for Impact on Cash and Debt  
Janelle Gray  
10/19/2012 9:55:50 AM

### **Approvals/Acknowledgements**

Department Director or Designee: Jerry Way - 10/23/2012 4:37:54 PM

## Description/Analysis

**Issue:** A Maintenance and Rehabilitation Study of the Guy West Bridge was conducted in March 2011. In November 2011, the Final Study Report identified various deficiencies of the bridge and recommended repairs to specific elements of the bridge including minor truss and deck repair, replacement of bearing pads, handrail repairs and the full removal and replacement of the failing lead based paint system.

**Policy Considerations:** The action requested is consistent with the City's Strategic Plan for improving public safety, achieving sustainability and enhanced livability by moving forward with rehabilitation of the Guy West Bridge.

### Environmental Considerations:

**California Environmental Quality Act (CEQA):** The requested action is not subject to the provisions of the California Environmental Quality Act (CEQA). Staff will present the environmental document before Council prior to or at the time of construction contract award.

**Sustainability Considerations:** The project is consistent with the City's Sustainability Master Plan Goal of reducing dependence on private automobiles by ensuring the Guy West Bridge is properly maintained so that bicyclists and pedestrians will have use of an alternate mode bridge for years to come.

**Commission/Committee Action:** No Commission or Committee activity has taken place or required.

**Rationale for Recommendation:** The Guy West Bridge is a steel suspension bridge over the American River which was constructed in 1966 for use by pedestrians and bicyclists. In 1987, broken wires were discovered in three vertical suspender ropes which led to the replacement of all the vertical suspender ropes in 1990. In 2000, a Maintenance Inspection Report was prepared with recommendations resulting in concrete deck joint repairs, bridge railing anchor bolt repairs and spot painting on the towers and cable anchor struts.

In 2011, a consultant team was retained by the City to perform an in-depth inspection of the bridge. This inspection is documented in the Bridge Condition Assessment Report dated October 2011 and serves as the basis for repair and maintenance recommendations. In November 2011, the Final Study Report identified various deficiencies of the bridge and recommended repairs which included truss and deck repair, replacement of bearing pads, handrail repairs and the complete removal and replacement of the failed lead based paint system.

During the past 46 years since the bridge was constructed, with the exception of the vertical suspender rope replacements, it has only received occasional maintenance which can no longer contribute to the structural stability of the bridge. The proposed

improvements will bring the bridge to current standards and will result in a sustainable landmark structure.

**Financial Considerations:** The Guy West Bridge Rehabilitation Project (K15105000) is estimated to cost \$3,100,000 and has a total budget of \$1,400,000 and unobligated balance of \$1,207,143 consisting of Transportation Development Act (TDA) funds (Fund 2013) and New Measure A Maintenance Funds (Fund 2026). Approval of the appropriation of \$1,457,000 in New Measure A Maintenance Funds (Fund 2026) will increase the total budget to \$2,857,000 and unobligated balance to \$2,664,143 which is sufficient to move ahead with environmental review and final design. Due to the unique nature of this work, further design work is needed to determine if the existing budget is sufficient to fully cover construction costs. Staff will return to City Council to appropriate additional funds after completion of design if remaining funding is still needed.

As of October 8, 2012 the New Measure A Maintenance fund balance is \$1,457,000 which is sufficient to complete the appropriation of \$1,457,000 to the Guy West Bridge Rehabilitation Project (K15105000).

No general funds are planned or allocated to this project.

**Emerging Small Business Development (ESBD):** None, since no goods or services are being procured with this action.



## **Background**

The Guy West Bridge is a steel suspension bridge over the American River which was constructed in 1966 for use by pedestrians and bicyclists. In 1987, broken wires were discovered in three vertical suspender ropes. Investigation by the City and others concluded the wire fractures were due to fatigue failure. In 1990, all the vertical suspender ropes were replaced with a similar design. It was expected that an in-kind replacement of the original design would provide a similar suspender rope service life of approximately 20 years.

In 2011, a consultant team was retained by the City to perform an in-depth inspection of the bridge and provide a bridge condition report. This inspection is documented in the Bridge Condition Assessment Report dated October 2011 and serves as the basis for repair and maintenance recommendations.

In November 2011, the Final Study Report identified various deficiencies of the bridge and recommended repairs which included minor truss and deck repair, replacement of bearing pads, handrail repairs and the full removal and replacement of the failing lead based paint system.

The staff recommendation will appropriate funds to move forward with the bridge rehabilitation project.



## **RESOLUTION NO.**

Adopted by the Sacramento City Council

### **APPROPRIATION OF FUNDS TO THE GUY WEST BRIDGE REHABILITATION PROJECT (K15105000)**

#### **BACKGROUND**

- A. The City desires to provide a project consistent with the City's Sustainability Master Plan to ensure the Guy West Bridge is properly maintained for bicycle and pedestrian use.
- B. The New Measure A Maintenance Fund (Fund 2026) balance is sufficient to complete the appropriation of \$1,457,000 to the Guy West Bridge Rehabilitation Project (K15105000).

#### **BASED ON THE FACTS SET FORTH IN THE BACKGROUND, THE CITY COUNCIL RESOLVES AS FOLLOWS:**

- Section 1. The FY12/13 Capital Improvement Program is amended by appropriating \$1,457,000 (Fund 2026) of New Measure A Maintenance Funds (Fund 2026) to the Guy West Bridge Rehabilitation Project (K15105000).
- Section 2. Exhibit A is attached and is part of this Resolution.

#### **Table of Contents:**

Exhibit A – Project Location Map



State of California  
 Sacramento County  
 California's 5th Congressional District  
 Congresswoman Matsui  
 Guy West Bridge Rehabilitation Project

EXHIBIT A

