



# REPORT TO COUNCIL

## City of Sacramento

915 I Street, Sacramento, CA 95814-2604  
www. CityofSacramento.org

CONSENT  
November 16, 2010

Honorable Mayor and  
Members of the City Council

**Title:** Norwood Avenue Bridge Replacement Project (T15068400)

**Location/Council District:** Norwood Avenue Bridge at Arcade Creek between Fairbanks Avenue and Lindley Avenue. (District 2)

**Recommendation:** Adopt a **Resolution:** 1) approving the transfer of \$100,000 (Fund 2007) from the Major Street Improvement Project (T15118000) to the project; and 2) resetting the City Manager's administrative authority for the City's professional services agreement with T.Y. Lin International.

**Contact:** Ricky Chuck, Senior Engineer, (916) 808-5050; Tim Mar, Supervising Engineer, (916) 808-7531

**Presenters:** None

**Department:** Transportation

**Division:** Engineering Services

**Organization No:** 15001131

### Description/Analysis

**Issue:** The project will replace the structurally deficient Norwood Avenue Bridge over Arcade Creek with a new bridge that meets current standards. The project will construct a new concrete bridge with two travel lanes, bike lanes, sidewalks, and street lighting.

Approval of the additional fund transfer is necessary to move forward with completing the final design and right of way.

**Policy Considerations:** This action requested herein is consistent with the Sacramento City Code, Title 3 and with the City of Sacramento Strategic Plan goals of improving and expanding public safety and enhancing livability.

**Environmental Considerations:**

**California Environmental Quality Act (CEQA):** On March 23, 2010, the City Council approved a Mitigated Negative Declaration and adopted the Mitigation Reporting Plan for the Norwood Avenue Bridge Replacement Project pursuant to the requirements of the California Environmental Quality Act (CEQA). There is no substantial evidence that the Project, with the adoption of the mitigation measures identified, will have a significant effect on the environment.

The project is funded by Federal Highway Bridge Replacement and Rehabilitation Program funds. As a result, the proposed project is also subject to the National Environmental Policy Act (NEPA). On August 26, 2010, Caltrans issued a re-validation form to maintain the validity of the Categorical Exclusion that was issued on March 2, 2009 by California State Department of Transportation (Caltrans) and the Federal Highway Administration (FHWA) for the Project pursuant to the requirements of NEPA.

**Sustainability Considerations:** This project is consistent with the City's Sustainability Master Plan. It conforms to the Air Quality Focus Area by improving and optimizing transportation infrastructure.

**Other:** None.

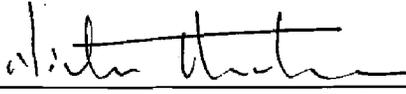
**Commission/Committee Action:** None.

**Rationale for Recommendation:** Approval of the additional fund transfer is necessary to move forward with completing the final design.

**Financial Considerations:** The estimated total cost for design and right of way is \$1,436,000. The current project budget is \$1,336,624. The budget is comprised of \$230,000 in Major Street Construction Tax Funds (Fund 2007) and \$1,106,624 in Federal Capital Grant (Fund 3703) funds. Approval of the transfer in the amount of \$100,000 (Fund 2007) from the Major Street Improvement Project (T15118000) will increase the total budget to \$1,436,624 and the unobligated balance amount to \$136,446, which is sufficient to complete the final design. There are no General Funds planned or allocated to this project.

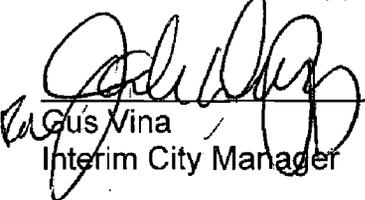
The estimated construction cost is close to \$8 million. Federal Highway Bridge Program (HBP) construction funds will be added to the Project at construction contract award. Federal funds are paying 88.53% of all participating costs which is a successful leverage of local transportation funds.

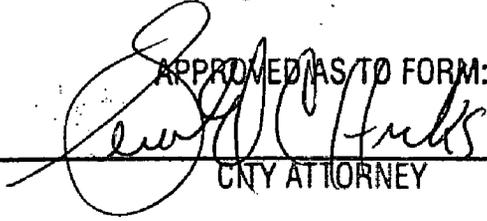
**Emerging Small Business Development (ESBD):** No goods or services are being procured at this time.

Respectfully Submitted by:   
Nicholas Theocharides  
Engineering Services Manager

Approved by:   
Jerry Way  
Director of Transportation

Recommendation Approved:

  
Gus Vina  
Interim City Manager

APPROVED AS TO FORM:  
  
CITY ATTORNEY

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**Attachment 1**

**Background:**

The project will replace the structurally deficient Norwood Avenue Bridge over Arcade Creek with a new bridge that meets current standards. The project will construct a new and higher concrete bridge with two travel lanes, bike lanes, sidewalks, and street lighting and a new approach roadway between the intersections of Fairbanks Avenue and Lindley Way. A new traffic signal will be constructed at the intersection of Norwood Avenue and Fairbanks Avenue. Retaining walls will be constructed on both approaches to support the increased height of the bridge.

The bridge was constructed in 1945 and is rated structurally deficient. Arcade Creek has a history of elevated water levels that inundate the bridge. During high canal flows, Norwood Avenue had to be closed by using stop log floodwalls. This project will eliminate the need for road closure during high canal flows by raising the bridge.

The City was successful in obtaining Federal Highway Bridge Replacement and Rehabilitation (HBRR) Program funds to replace the bridge. Under this program, the federal government pays 88.53% of the cost of the project, while the City pays an 11.47% local match.

In June 2007, City approved contract award for an amount of \$943,766 to T.Y. Lin International (T.Y. Lin) to design the Project. The structural section of the bridge was changed from a box girder section to a slab section to satisfy hydraulic requirements. Five supplemental agreements with a total amount increase of \$92,461 were issued to compensate T.Y. Lin for changes to the scope of services and additional design. The supplemental agreements were approved under City Manager's administrative authority. Additional funds are needed to complete final design and right of way.

Construction is anticipated to start in Spring 2011 and be completed in December 2011.

**RESOLUTION NO.**

Adopted by the Sacramento City Council

**APPROVING FUND TRANSFER TO THE NORWOOD AVENUE BRIDGE  
REPLACEMENT PROJECT (T15068400)**

**BACKGROUND**

- A. The project will replace the structurally deficient Norwood Avenue Bridge over Arcade Creek with a new bridge that meets current standards. The project will construct a new and higher concrete bridge with two travel lanes, bike lanes, sidewalks, and street lighting and a new approach roadway between the intersections of Fairbanks Avenue and Lindley Way. A new traffic signal will be constructed at the intersection of Norwood Avenue and Fairbanks Avenue. Retaining walls will be constructed on both approaches in order to support the increase in profile grade.
- B. The bridge was constructed in 1945 and is rated structurally deficient. Arcade Creek has a history of elevated water levels that inundate the bridge. During high canal flows, Norwood Avenue had to be closed by using stop log floodwalls. This project will eliminate the need for road closure during high canal flows by raising the bridge.
- C. The Project is funded by Federal Highway Bridge Replacement and Rehabilitation (HBRR) Program Funds. Under this program, the federal government pays 88.53% of the cost the project, while the City pays an 11.47% local match.
- D. In June 2007, City approved contract awarded for an amount of \$943,766 to T.Y. Lin International (T.Y. Lin) to design the Project. The structural section of the bridge was changed from a box girder to a slab section to satisfy hydraulic requirements. Supplemental agreements with a total amount increase of \$92,461 were issued to compensate T. Y. Lin for changes to the scope of services and additional design. The supplemental agreements were approved under the City's Manager's administrative authority. Additional funds are needed to complete design and right of way.

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

- Section 1. The FY10/11 Capital Improvement Program Budget is amended by transferring \$100,000 (Fund 2007) from the Major Street Improvement

Project (T15118000) to the Norwood Avenue Bridge Replacement Project (T15068400).

Section 2. The City Manager's administrative authority is reset for the professional services agreement with T.Y. Lin International.

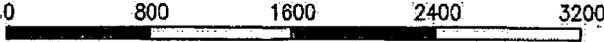
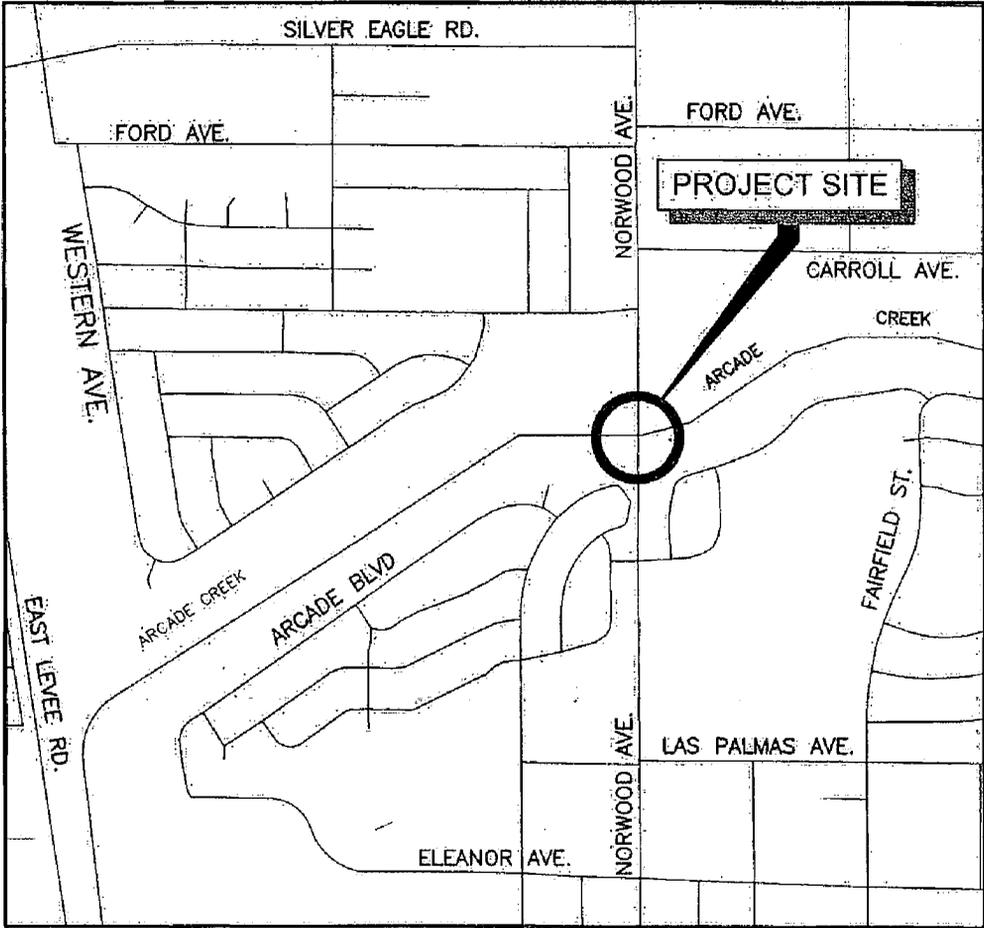
Section 3. Exhibit A is incorporated into and made part of this Resolution.

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Exhibit A: Map of Norwood Avenue Camino Bridge Replacement

EXHIBIT A

Location map for:  
**NORWOOD AVENUE BRIDGE REPLACEMENT PROJECT**  
**AT ARCADE CREEK**  
 (BETWEEN FAIRBANKS AVENUE AND LINDLEY AVENUE)  
 PN: T15068400



Date: February 2010

