City of Sacramento
City Council

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

Meeting Date: **6/7/2011** **Report Type:** Consent

Title: Contract/Agreement: Norwood Avenue Bridge Replacement Project (T15068400)

Report ID: 2011-00487

Location: District 2

Recommendation: Adopt a Resolution: 1) approving plans and specifications for the project; 2) appropriating funds in the amount of $7,665,899 to the project; 3) approving the transfer of funds; 4) awarding the construction contract to Viking Construction Company for an amount not to exceed $7,719,586; 5) authorizing the City Manager to execute a Professional Services Agreement with Hill International, Inc. for an amount not to exceed $350,000; 6) resetting the City Manager's administrative authority for the State and Federal Grant Match Project (T15007200) and the Major Street Improvement Program (T15108000); 7) 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; Nicholas Theocharides, Engineering Services Manager, (916) 808-5065

Presenter: None

Department: Transportation Department
Division: Civil & Electrical Design
Dept ID: 15001131

Attachments:

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

City Attorney Review
Approved as to Form
Jerry Hicks
5/26/2011 5:34:34 PM

City Treasurer Review
Prior Council Financial Policy Approval or Outside City Treasurer Scope
Russell Fehr
5/23/2011 4:24:59 PM

Approvals/Acknowledgements

Department Director or Designee: Jerry Way - 5/24/2011 4:18:22 PM

Eileen Teichert, City Attorney Shirley Concolino, City Clerk Russell Fehr, City Treasurer

William H. Edgar, Interim City Manager

Assistant City Manager: John Dangberg - 5/25/2011 5:34:06 PM

Eileen Teichert, City Attorney Shirley Concolino, City Clerk Russell Fehr, City Treasurer
William H. Edgar, Interim City Manager

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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.

Bids for the project were received on May 4, 2011. Viking Construction Company is the lowest responsive and responsible bidder. City Council approval of fund appropriation and fund transfer is necessary to move forward with awarding the construction contract.

Authorizing the execution of the Professional Services Agreement with Hill International, Inc. is needed to provide biological services, inspection, materials testing, and construction management services for the construction of the project.

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 economic development, improving and expanding public safety, and achieving sustainability and enhancing livability.

Environmental Considerations:

California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA): 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 (T15068400) 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 Program (HBP) 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. The project will add widened sidewalks and class II bicycle facilities, which promotes alternative modes of travel and reduces dependence of the private automobile.

Other: None.

Commission/Committee Action: None.

Rationale for Recommendation: Viking Construction Company is the lowest responsive and responsible bidder. Project funding is sufficient to award the contract.

A Professional Services Agreement with Hill International is necessary to provide biological support, inspection, materials testing, and construction management services during construction.

Financial Considerations: The estimated total project cost is $10,825,000. The current budget is $1,937,341 comprised of local transportation and federal funds. Approval of the appropriation of $7,600,899 (Fund 3703) in federal funds, $65,000 (Fund 3702) from PG&E for the gas line relocation, and the transfer of $618,463 (Fund 2007) from the State and Federal Grant Match Project (T15007200) and $623,162 (Fund 2007) from the Major Street Improvement Program (T15108000) will increase the project budget to $10,844,865 and the unobligated balance to $9,374,769 which is sufficient to execute the construction contract with Viking Construction Company in the not-to-exceed amount of $ 7,719,585, Professional Services Agreement with Hill International, Inc. in the not-to-exceed amount of $350,000, and cover remaining construction management costs.

Under the Federal Highway Program (HBP), federal funds are paying 88.53% of all participating costs, which is a successful leverage of local transportation funds.

The approval of this project will support 220 jobs in the City of Sacramento based upon the model provided by the Federal Highway Administration (FHWA) of one new job for every $35,000 of transportation project investment.

There are no general funds planned or allocated to this project.

Emerging Small Business Development (ESBD): The Norwood Avenue Bridge Replacement Project (T15068400) is federally funded and requires conformance with project participation guidelines for Disadvantaged Business Enterprise (DBE)/ Underutilized Disadvantaged Business Enterprises (UDBE) program requirements. Therefore, the City's ESBD requirements are held in abeyance. The UDBE goal is 10.7%. Viking Construction Company met the UDBE goal by pledging 11.3%. The UDBE goal for Hill International is 17.2%. Hill International will meet or exceed the UDBE goal by utilizing sub-consultants for materials testing, administrative support and office engineering, and biological services.

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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 existing bridge was constructed in 1956 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 creek flows by raising the bridge.

The project was advertised and bids were received on May 4, 2011. The bids are summarized below:

Contractor	**Bid Amount**	**UDBE (Goal 6.2%)**
Viking Construction Company	$7,719,585.45	11.3%
Nehimiah Construction, Inc.	$7,833,702.40	2.9%
MCM Construction, Inc.	$8,589,685.00	5.0%

The Engineer's estimate was $6,900,000.

It is recommended that the contract be awarded to Viking Construction Company for its lowest responsive and responsible bid.

On August 4, 2010, a Request for Proposals (RFP) was advertised for on-call construction management services. Sixteen proposals were submitted. The proposals were evaluated, and Hill International was determined to be one of five firms selected to provide services during the 2011 and 2012 calendar years. Approving a Professional Services Agreement with Hill International in the not-to-exceed amount of $350,000 will augment City construction inspection staff by providing bridge inspections, office engineering, biological services, and material testing to ensure compliance with all federal, state and local requirements.

In June 2007, the City approved a Professional Services Agreement with T.Y. Lin International (T.Y. Lin) in the amount of $943,766 to provide environmental documentation and design for the Project. Resetting the City Manager's administrative authority for the Professional Services Agreement with T.Y. Lin is necessary to execute a supplemental agreement for additional design and services during construction.

Construction is anticipated to start in July 2011 and be completed in February 2012.

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RESOLUTION NO.

Adopted by the Sacramento City Council

APPROVING PLANS AND SPECIFICATIONS; APPROPRIATION AND TRANSFER OF FUNDS; AWARDING CONSTRUCTION CONTRACT AND APPROVAL OF PROFESSIONAL SERVICES AGREEMENT FOR 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 increased height of the bridge.

B. The bridge was constructed in 1956 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 was advertised and bids were received on May 4, 2011. The bids are summarized below:

Contractor	Bid Amount	UDBE (Goal 10.7%)
Viking Construction Company	$7,719,585.45	11.3%
Nehimiah Construction, Inc.	$7,833,702.40	2.9%
MCM Construction, Inc.	$8,589,685.00	5.0%

D. The Engineer's estimate was $6,900,000. Viking Construction Company is the low responsive and responsible bidder.

E. On August 4, 2010, a Request for Proposals (RFP) was advertised for on-call construction management services. Sixteen proposals were submitted. The proposals were evaluated, and Hill International was determined to be one of five firms selected to provide services during the 2011 and 2012 calendar years. Approving a Professional Services Agreement with Hill International in the not-to-

exceed amount of $350,000 will augment City construction inspection staff by providing bridge inspections, office engineering, biological services, and material testing to ensure compliance with all federal, state and local requirements.

F. In June 2007, the City approved a Professional Services Agreement with T.Y. Lin International (T.Y. Lin) in the amount of $943,766 to provide environmental documentation and design for the Project. Resetting the City Manager's administrative authority for the Professional Services Agreement with T.Y. Lin is necessary to execute a supplemental agreement for additional design and services during construction.

G. Construction is anticipated to start in July 2011 and be completed in February 2012.

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

Section 1. The Plans and Specifications for the Norwood Avenue Bridge Replacement Project (T15068400) are approved.

Section 2. The FY2010/11 Capital Improvement Program is amended by appropriating $7,600,899 (Fund 3703) in federal funds, and $65,000 (Fund 3702) from PG&E for the gas line relocation to the Norwood Avenue Bridge Replacement Project (T15068400).

Section 3. Staff is authorized to amend the Federal Grant Budget for this project as necessary to accept additional Federal HBP grant funds if needed.

Section 4. The FY2010/11 Capital Improvement Program Budget is amended by transferring $618,463 (Fund 2007) from the State and Federal Grant Match Project (T15007200) and $623,162 (Fund 2007) from the Major Street Improvement Program (T15108000) to the Norwood Avenue Bridge Replacement Project (T15068400).

Section 5. The City Manager is authorized to execute a contract with Viking Construction Company for an amount not to exceed $7,719,586 for the Norwood Avenue Bridge Replacement Project (T15068400).

Section 6. The City Manager is authorized to execute a Professional Services Agreement with Hill International for an amount not-to-exceed $350,000 for the Norwood Avenue Bridge Replacement Project (T15068400).

Section 7. The City Manager's administrative authority is reset for the State and Federal Grant Match Project (T15007200) and the Major Street Improvement Program (T15108000).

Section 8. The City Manager's administrative authority is reset for the Professional

Services Agreement with T.Y. Lin International for the Norwood Bridge Replacement Project (T15068400).

Section 9. Exhibit A is incorporated into and made part of this Resolution.

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Exhibit A: Map of Norwood Avenue Bridge Replacement

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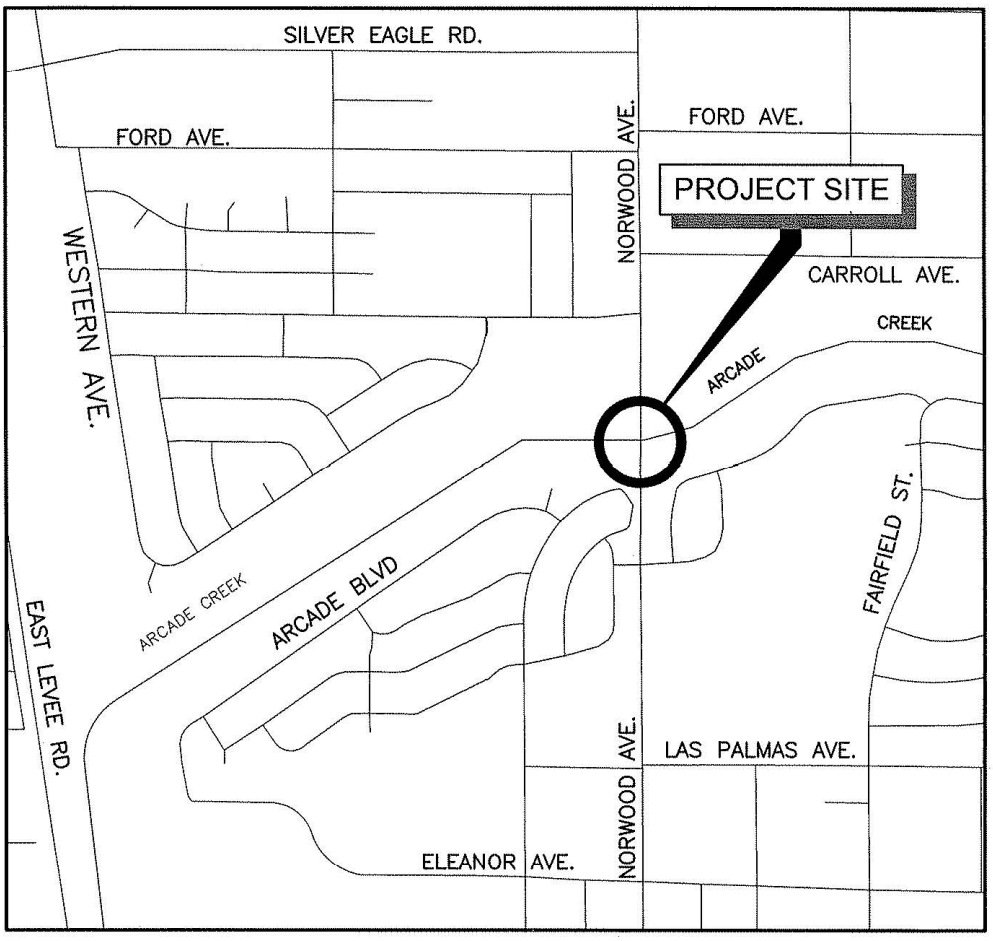
EXHIBIT A

Location map for:

NORWOOD AVENUE BRIDGE REPLACEMENT PROJECT AT ARCADE CREEK

(BETWEEN FAIRBANKS AVENUE AND LINDLEY AVENUE)

PN: T15068400



0 800 1600 2400 3200

Date: February 2010