



## Board Report

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File #: 2015-0439, File Type: Contract

Agenda Number: 25.

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**REVISED**  
**PLANNING & PROGRAMMING COMMITTEE**  
**SEPTEMBER 16, 2015**

**SUBJECT: I-710 SOUTH CORRIDOR PROJECT EIR/EIS SCOPE, BUDGET, AND SCHEDULE**

**ACTION: APPROVE RECOMMENDATIONS**

**RECOMMENDATIONS**

AUTHORIZING the Chief Executive Officer to:

- A. execute Contract Modification No. 5 to Contract No. PS4710-2768 with **HDR Engineering, Inc. (I-710 South Utility North Study - North Segment)**, for the utilities and structural engineering efforts associated with the revised project alternatives, in an amount not-to-exceed \$1,443,082, increasing the total contract not-to-exceed amount from \$6,715,468 to \$8,158,550 and a contract extension of 18 months;
- B. execute Contract Modification No. 8 to Contract No. PS4710-2769 with **Mark Thomas & Company, Inc. (I-710 South Utility Central Study - Central Segment)**, for the utilities and structural engineering efforts associated with the revised project alternatives, in an amount not-to-exceed \$350,521, increasing the total contract not-to-exceed amount from \$5,695,143 to \$6,045,664 and a contract extension of 18 months;
- C. increase Contract Modification Authority (CMA) specific to the two contracts to cover the cost of any unforeseen issues that may arise during the performance of the contracts as follows:
  1. Contract No. PS4710-2768 in the amount of \$216,462; increasing the total CMA from \$878,700 to \$1,095,162;
  2. Contract No. PS4710-2769 in the amount of \$52,579, increasing the total CMA from \$742,845 to \$795,424; and
- D. **execute any necessary agreement(s) with third parties** (e.g. Caltrans, Gateway Cities Council of Governments, Gateway Cities, Southern California Edison (SCE), Los Angeles County, U.S. Army Corps of Engineers) to provide coordination and technical support for the completion of the EIR/EIS and the development and implementation of individual I-710 Early Action Projects, increasing the total amount from \$3,400,000 to \$7,132,000 for FY12 through

FY17, as approved by the Board in the May 2015 meeting.

## **ISSUE**

At the January 2013 Board meeting, staff provided a status update and recommended the re-circulation of the Draft EIR/EIS to update the traffic assumptions/forecasts and address proposed changes in the design of the alternatives required to minimize impacts. At that time, the Board approved modifications to increase funding for the I-710 Corridor Project EIR/EIS (Project) engineering and outreach contracts. The additional funds were required to continue the Project's environmental document through the final EIR/EIS and Record of Decision (ROD). However, once the traffic forecast update work got underway, it became apparent that the project alternatives needed to be re-evaluated to address public input and important changes in the base growth, goods movement and project assumptions. Most of the approved budget under the last contract modifications was therefore used to complete the revision to the alternatives.

The additional funds being requested are required to re-circulate the Draft EIR/EIS with a set of revised alternatives and to evaluate a Preferred Alternative. Metro staff developed five separate scopes of work (one for engineering/environmental, three for supporting the engineering efforts and another for outreach) and independent cost estimates to address all of the needs listed above. Proposals were received from the contractors and these were thoroughly evaluated by staff from Metro's Highway Program and Regional Communications. This request is only for two out of the five contracts; for the remaining contract modifications, staff is working with the consultants to improve as much as possible small business participation. Staff expects to return to the Board at the October Board meeting. The contract modification scopes do not cover the entire cost to complete the Final EIR/EIS and Project Report, nor does it cover the extensive community participation effort associated with completing the Final EIR/EIS. The requested amount covers efforts to carry studies through the selections of a Preferred Alternative. Once a Preferred Alternative is recommended by the I-710 advisory committees, staff will return to the Board with a recommendation on the Preferred Alternative and a funding request for the completion of the Final EIR/EIS and ROD.

## **DISCUSSION**

### **Background**

The I-710 Corridor Project (I-710 South) study encompasses an 18-mile long corridor that extends from Ocean Blvd in Long Beach to State Route 60. I-710 is a vital transportation artery, linking the Ports of Los Angeles and Long Beach to Southern California and beyond. As a result of population growth, cargo container growth, increasing traffic volumes, and aging infrastructure, the I-710 Freeway experiences serious congestion and safety issues. Among the major concerns in the corridor are the higher than average truck accident rates, the projected growth in the study area, which include the Ports, and effects on mobility and the quality life in the surrounding communities. The I-710 South Project alternatives seek to improve safety, air quality/public health, mobility, and accommodation for projected growth.

The Project was initiated in January 2008 by Metro and six funding partners: Caltrans, Gateway

Cities Council of Governments (GCCOG), Port of Los Angeles, Port of Long Beach, Southern California Association of Governments (SCAG), and the I-5 Joint Powers Authority. Caltrans is the CEQA/NEPA lead agency for the project and Metro is the agency responsible for managing the consultant contracts.

The Project has advanced through a very robust community participation process. Decisions regarding analytical assumptions, project alternatives, and the scope of the environmental analysis have been made in consultation with community stakeholders through the I-710 Community Participation Framework; this framework comprises a number of advisory committees formed at the Project's inception, including: Local Advisory Committees (LAC), a Corridor Advisory Committee (CAC), a Technical Advisory Committee (TAC) and a Project Committee, which includes elected officials for each of the corridor cities as well as representatives from each of the Funding Partner agencies.

A Draft EIR/EIS was circulated on June 28, 2012. The Draft EIR/EIS evaluated four build alternatives, three of which included a grade-separated freight corridor. Close to 3,000 comments were received as part of the circulation.

### **Status of Draft EIR/EIS Recirculation**

During the first half of 2013, the Project Team updated the traffic forecast for the project based on the most recent regional model. Important changes in the base growth, goods movement, and project assumptions were factored in. These changes resulted in a revised No Build traffic forecast that, as compared to the previous forecast, indicated less growth in vehicular traffic and more dispersed origins and destinations for truck trips in the region. This led the Project Team to re-asses the effectiveness of the Alternatives previously evaluated in the Draft EIR/EIS. It was determined these Build Alternatives needed to be revised to better address the forecasted traffic conditions. The Project Team proceeded to evaluate various revisions to the Build alternatives.

In early 2014, the Project Team began working with the various I-710 advisory committees to present the work accomplished so far (traffic forecasting and alternatives development) and to further refine the preliminary build alternatives and geometric concepts. By the middle of 2014, the following two Build Alternatives were presented to the 710 Committees for inclusion in the RDEIR/SDEIS:

Alternative 5C - widen to 5 mixed flow lanes in each direction plus improvements at I-710/I-405 (including truck by-pass lanes), I-710/SR-91, I-710/I-5 and every local interchange between Ocean Blvd. and SR-60.

Alternative 7 - two dedicated lanes (in each direction) for clean technology trucks from Ocean Blvd. in Long Beach to the intermodal railroad yards in Commerce/Vernon, plus improvements at I-710/I-405, I-710/SR-91, I-710/I-5 and every local interchange between Ocean Blvd. and SR-60.

Both alternatives include: maximum goods movement by rail, TSM/TDM/ITS improvements, transit improvements, arterial improvements, active transportation improvements, consideration of public-private partnership (P3) for financing, delivery, and operation, and lastly, support for Zero or Near Zero Emission Truck commercialization and incentive programs.

The preliminary cost estimates are \$8 billion for Alternative 7 and \$4 billion for Alternative 5C.

Since the middle of 2014, the Project Team has been completing the preliminary engineering work on these two Build Alternatives. The environmental technical studies will be completed in March 2016, in an effort to release the recirculated Draft EIR/EIS in late 2016.

### **Project Expenditures**

Initial funding for the environmental phase of the Project was provided by Metro and the I-710 Funding Partners (Metro, GCCOG, SCAG, Caltrans, I-5 Joint Powers Authority, Port of Long Beach, and Port of Los Angeles), with Metro taking the lead and becoming the contracting agency for the EIR/EIS. Due to extensive changes in the design of the Project throughout the environmental process, the original budget was depleted in 2012, and since then, the Board has approved additional Measure R I-710 South/Early Action Project funding to continue the EIR/EIS document. The engineering contract started off with a budget of \$23 million and has increased to \$38.8 million, while the outreach contract increased from \$2.5 million to \$3.5 million. Additionally, three separate engineering contracts (utility studies) were initiated in 2011 to supplement the utilities and structural engineering components of the Project. These contracts amount to another \$19.4 million. The Board has also authorized \$1.5 million in third party support costs. Altogether, \$66.8 million has been authorized so far in expenditures on the Project, out of which, approximately \$55.9 million has been spent to date on the environmental phase of the Project.

Participation and support from third parties such as Caltrans, US Army Corp of Engineers, GCCOG, Gateway Cities, and SCE have been necessary for the development of the Project. Staff anticipates the continued need for this support and is recommending increasing funding to cover the remainder of the environmental phase. Caltrans funding is estimated to total \$2,500,000; GCCOG funding is estimated to increase by approximately \$300,000; SCE funding is estimated to increase by \$400,000; funding for US Army Corp of Engineers is to be determined, and Gateway Cities funding for the review of the environmental document is estimated to increase by approximately \$522,000. Final funding amounts will be negotiated with each party.

### **Project Schedule**

The Recirculation of the Draft EIR/EIS is anticipated late 2016. A decision on a Preferred Alternative will be made post the recirculation of the Draft EIR/EIS.

### **DETERMINATION OF SAFETY IMPACT**

The I-710 South Corridor project scope, schedule, and budget revisions will have no impact to the safety of Metro's patrons or employees.

### **FINANCIAL IMPACT**

Funding for these contract modifications is currently included in the \$13,926,695 FY16 budget in Cost Center 4730 (Highway Program B), Project 460316, (I-710 South Early Action Projects), Account

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50316 (Services Professional/Technical), as well as \$19,048,000 in Cost Center 0442 (Highway Subsidies), Account 54001 (Subsidies to others), Project 460316 (I-710 South and/or Early Action Projects). Since this is a multi-year project, the cost center manager and the Managing Executive Officer of the Highway Program will continue to be responsible for budgeting in future years.

#### Impact to Budget

The additional source of funds for this project will be from Measure R Highway Capital 20% Funds from the I-710 South and/or Early Action Projects. These funds are not eligible for bus and rail operating and capital expenditures.

#### **ALTERNATIVES CONSIDERED**

The Board may elect not to approve the contract modifications. This option is not recommended. Completing the environmental document for the project is a necessary step in developing the improvements described in Measure R for the corridor. The Board has recognized that the strength of this project has evolved around the development of community consensus throughout the corridor. Board approval would allow the project to move forward with continued community engagement and support which has been the trademark of this study.

#### **NEXT STEPS**

Upon approval by the Board, staff will execute contract modifications. Staff will return at the October Board meeting with the request for approval for the remaining contract modifications.

#### **ATTACHMENTS**

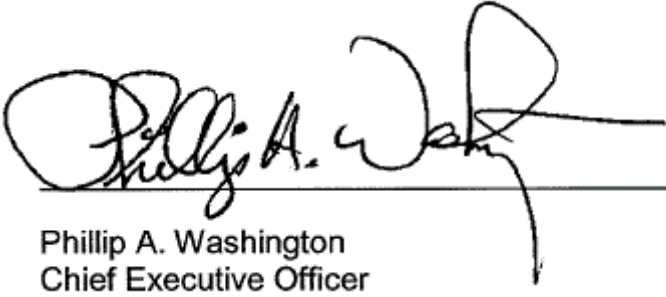
Attachment A1 - Procurement Summary for PS4710-2768

Attachment A2 - Procurement Summary for PS4710-2769

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Reviewed by:

Ivan Page, Interim Executive Director, Vendor / Contract Management (213) 922-6383  
Bryan Pennington, Program Management (213) 922-7449



Phillip A. Washington  
Chief Executive Officer

## PROCUREMENT SUMMARY

**I-710 SOUTH UTILITY STUDY CORRIDOR PROJECT NORTH SEGMENT END UTILITY STUDY/PS4710-2768**

|    |  |         |   |
|----|--|---------|---|
| 1. | <b>Contract Number:</b> PS4710-2768  |         |   |
| 2. | <b>Contractor:</b> HDR Engineering, Inc.   |         |   |
| 3. | <b>Mod. Work Description:</b> Additional Funding and Period of Performance Extension                                   |         |   |
| 4. | <b>Contract Work Description:</b> I-710 <u>South Utility Study</u> – North <u>Segment</u> <del>End Utility Study</del> |         |   |
| 5. | <b>The following data is current as of:</b> August 10, 2015  |         |   |
| 6. | <b>Contract Completion Status</b>  |         | <b>Financial Status</b>   |
|    | <b>Contract Awarded:</b>   | 2/14/12 | <b>Contract Award Amount:</b> \$5,858,000                         |
|    | <b>Notice to Proceed (NTP):</b>  | 2/14/12 | <b>Total of Modifications Approved:</b> \$857,468                 |
|    | <b>Original Complete Date:</b>   | 8/31/13 | <b>Pending Modifications (including this action):</b> \$1,443,082 |
|    | <b>Current Est. Complete Date:</b>   | 3/31/17 | <b>Current Contract Value (with this action):</b> \$8,158,550     |
| 7. | <b>Contract Administrator:</b><br>Walter Sparkuhl  |         | <b>Telephone Number:</b><br>213-922-7399                          |
| 8. | <b>Project Manager:</b><br>Ernesto Chaves  |         | <b>Telephone Number:</b><br>213-922-7343                          |

**A. Procurement Background**

This Board Action is to approve Modification No. 5 issued in support of the I-710 South Utility Study – North Segment ~~Corridor Project North End Utility Study~~. The I-710 South Central Utility Study – North Segment ~~Relocation~~ contractor is providing the planning, studies, and conceptual design for relocating various utilities along this segment of the project. This modification reflects changes in the Project's build alternatives and will extend the period of performance by an additional 18 months for a revised end date of March 31, 2017.

This contract modification was processed in accordance with Metro's Acquisition Policy and Procedures, and the contract type is a cost plus fixed fee.

A total of four modifications have been executed to date. For details, please refer to Attachment B1 – Contract Modification/Change Order Log.

**B. Cost/Price Analysis**

The recommended price has been determined to be fair and reasonable based upon an independent cost estimate, MASD audit, cost analysis, technical evaluation, and fact finding. The firm's proposal included an increased level of effort for conceptual structure estimates which was accepted by Metro Project Management.

| <b>Proposal Amount</b> | <b>Metro ICE</b> | <b>Negotiated Amount</b> |
|------------------------|------------------|--------------------------|
| \$1,443,082            | \$1,322,462      | \$1,443,082              |

**C. Small Business Participation**

HDR Engineering made a 29.01% Small Business Enterprise (SBE) commitment. Current SBE participation is 18.24%, representing a shortfall of 10.77%. According to HDR the SBE shortfall resulted during the initial stages of the project when contract modifications requested by Metro augmented the scope of work and affected the amount of work committed to SBE subcontractors. Metro's project management verified that the scope of work added by Metro required studies that could not be performed by SBE subcontractors on the team, due to the time-sensitive and specialized nature. As a result of Metro's decision to re-circulate the project's environmental document, the engineering studies (including the SBE work under this contract) were put on hold while the Project Alternatives were being re-defined.

Now that the Project Alternatives have been redefined and engineering studies can continue, HDR indicated that they are developing an implementation plan to ramp-up SBE utilization on the current scope of services and they anticipate meeting their 29% SBE commitment. Current information provided by HDR indicated that they will utilize SBE subcontractors during FY17 to perform key tasks regarding structures advanced planning studies and LA river hydraulic modeling. These tasks involve Army Corps of Engineers coordination, utility conflict of identification, relocation concepts, utility coordination, and structures conceptual estimate reports. HDR further confirmed that significant opportunities for SBE utilization are deferred until late 2016/early 2017 when the preferred alternative is selected. HDR is expected to continue to demonstrate ongoing efforts to meet their SBE commitment. The project is 66% complete.

|                                  |                   |                                     |                   |
|----------------------------------|-------------------|-------------------------------------|-------------------|
| <b>SMALL BUSINESS COMMITMENT</b> | <b>29.01% SBE</b> | <b>SMALL BUSINESS PARTICIPATION</b> | <b>18.24% SBE</b> |
|----------------------------------|-------------------|-------------------------------------|-------------------|

|    | <b>SBE Subcontractors</b> | <b>% Committed</b> | <b>Current Participation<sup>1</sup></b> |
|----|---------------------------|--------------------|--|
| 1. | Arcon Structural          | 2.82%              | 0.20%                                    |
| 2. | Cal Pacific Land          | 1.47%              | 2.01%                                    |



|     |                                |               |               |
|-----|--------------------------------|---------------|---------------|
| 3.  | Coast Surveying, Inc           | 2.73%         | 0.92%         |
| 4.  | Diaz- Yurman & Associates      | 4.09%         | 9.09%         |
| 5.  | GCM Consulting, Inc            | 2.17%         | 1.65%         |
| 6.  | Galvin Preservation Associates | 1.22%         | 0.00%         |
| 7.  | Intuteor Consulting            | 2.44%         | 0.18%         |
| 8.  | Malkoff and Associates         | 1.74%         | 0.16%         |
| 9.  | PacRim Engineering, Inc        | 4.00%         | 0.64%         |
| 10. | Sandidge Consulting            | 2.64%         | 0.11%         |
| 11. | Utility Specialist             | 3.43%         | 0.36%         |
| 12. | WKE                            | 0.00%         | 2.81%         |
| 13. | Safe Utility Exposure          | 0.26%         | 0.11%         |
|     | <b>Total</b>                   | <b>29.01%</b> | <b>18.24%</b> |

<sup>1</sup>Current Participation = Total Actual amount Paid-to-Date to DBE firms ÷ Total Actual Amount Paid-to-date to Prime.

**D. Living Wage and Service Contract Worker Retention Policy Applicability**

The Living Wage and Service Contract Worker Retention Policy is not applicable to this modification.

**E. Prevailing Wage Applicability**

Prevailing wage is not applicable to this modification.

**CONTRACT MODIFICATION/CHANGE ORDER LOG**

**1-710 SOUTH CORRIDOR PROJECT NORTH-END UTILITY STUDY – NORTH  
SEGMENT/PS4710-2768**

|                 |  |                |                    |
|-----------------|--|----------------|--------------------|
| <b>Mod. No.</b> | Original Contract  | 2/14/12        | \$5,858,000        |
| 1               | Supplemental Statement of Work   | 1/13/13        | \$479,306          |
| 2               | Period of Performance Extension  | 3/19/14        | \$378,162          |
| 3               | Supplemental Statement of Work and<br>Period of Performance Extension                      | 6/30/14        | \$0                |
| 4               | Period of Performance Extension<br>through 10/1/15   | 6/25/15        | \$0                |
| 5               | Supplemental Statement of Work and<br>Period of Performance Extension to<br>March 31, 2017 | <b>PENDING</b> | \$1,443,082        |
|                 |  |                |                    |
|                 | <b>Total:</b>  |                | <b>\$8,158,550</b> |

## PROCUREMENT SUMMARY

**1-710 SOUTH CORRIDOR PROJECT UTILITY STUDY - CENTRAL  
SEGMENT/PS4710-2769**

|    |   |         |   |
|----|---|---------|---|
| 1. | <b>Contract Number:</b> PS4710-2769   |         |   |
| 2. | <b>Contractor:</b> Mark Thomas & Company, Inc.  |         |   |
| 3. | <b>Mod. Work Description:</b> Additional Funding and Period of Performance Extension  |         |   |
| 4. | <b>Contract Work Description:</b> I-710 <del>South</del> Utility Relocation <del>Central</del> Study - <b>Central</b> Segment |         |   |
| 5. | <b>The following data is current as of:</b> August 5, 2015  |         |   |
| 6. | <b>Contract Completion Status</b>   |         | <b>Financial Status</b>   |
|    | <b>Contract Awarded:</b>  | 3/15/12 | <b>Contract Award Amount:</b> \$4,952,298                       |
|    | <b>Notice to Proceed (NTP):</b>   | 3/15/12 | <b>Total of Modifications Approved:</b> \$742,845               |
|    | <b>Original Complete Date:</b>  | 6/30/15 | <b>Pending Modifications (including this action):</b> \$350,521 |
|    | <b>Current Est. Complete Date:</b>  | 3/31/17 | <b>Current Contract Value (with this action):</b> \$6,045,664   |
| 7. | <b>Contract Administrator:</b><br>Walter Sparkuhl   |         | <b>Telephone Number:</b><br>213-922-7399                        |
| 8. | <b>Project Manager:</b><br>Ernesto Chaves   |         | <b>Telephone Number:</b><br>213-922-7343                        |

**A. Procurement Background**

This Board Action is to approve Modification No. 8 issued in support of the I-710 Corridor Project ~~South~~ **Central** Utility Study – **Central Segment**. The I-710 ~~South~~ **Utility Study** – ~~Central~~ **Segment** Utility Relocation contractor is providing the planning, studies, and conceptual design for relocating various utilities along this segment of the project. This modification reflects changes in the Project's build alternatives and will extend the period of performance by 18 months for a revised end date of March 31, 2017.

This contract modification was processed in accordance with Metro's Acquisition Policy and Procedures, and the contract type is a cost plus fixed fee.

A total of seven modifications have been executed to date. For details, please refer to Attachment B2 – Contract Modification/Change Order Log.

**B. Cost/Price Analysis**

The recommended price was determined to be fair and reasonable based upon an independent cost estimate, cost analysis, Program Manager’s technical evaluation, and fact finding..

|                        |                  |                            |
|------------------------|------------------|----------------------------|
| <b>Proposal Amount</b> | <b>Metro ICE</b> | <b>Modification Amount</b> |
| \$350,521              | \$345,890        | \$350,521                  |

**C. Small Business Participation**

Mark Thomas & Company, Inc. made a 29.32% Small Business Enterprise (SBE) commitment. The current SBE participation is 29.12%, a .20% shortfall. To address the shortfall Mark Thomas augmented their team by adding SBE subcontractor, PacRim Engineering. Mark Thomas & Company reiterated their commitment to continue to involve their SBE subcontractors. The project is 51% complete.

|                                  |                   |                                     |                   |
|----------------------------------|-------------------|-------------------------------------|-------------------|
| <b>SMALL BUSINESS COMMITMENT</b> | <b>29.32% SBE</b> | <b>SMALL BUSINESS PARTICIPATION</b> | <b>29.12% SBE</b> |
|----------------------------------|-------------------|-------------------------------------|-------------------|

|    | <b>SBE Subcontractors</b>   | <b>% Committed</b> | <b>Current Participation<sup>1</sup></b> |
|----|-----------------------------|--------------------|--|
| 1. | BA, Inc                     | 8.64%              | 9.19%                                    |
| 2. | Coast Surveying, Inc        | 3.70%              | 3.44%                                    |
| 3. | Del Richardson & Associates | 1.93%              | 3.79%                                    |
| 4. | Diaz-Yourman & Associates   | 3.84%              | 3.00%                                    |
| 5. | Malkoff and Associates      | 2.17%              | 0.13%                                    |
| 6. | ProRepro                    | 0.48%              | 0.10%                                    |
| 7. | Safe Utility Exposure, Inc  | 0.39%              | 0.06%                                    |
| 8. | Sanbridge Consulting        | 1.73%              | 0.02%                                    |
| 9. | V&A, Incorporated           | 6.44%              | 9.39%                                    |
| 10 | PacRim Engineering          | Added              | 0.00%                                    |
|    | <b>Total</b>                | <b>29.32%</b>      | <b>29.12%</b>                            |

<sup>1</sup>Current Participation = Total Actual amount Paid-to-Date to DBE firms ÷ Total Actual Amount Paid-to-date to Prime.

**D. Living Wage and Service Contract Worker Retention Policy Applicability**

The Living Wage and Service Contract Worker Retention Policy is not applicable to this modification.

**E. Prevailing Wage Applicability**

Prevailing wage is not applicable to this modification.

**CONTRACT MODIFICATION/CHANGE ORDER LOG**

**1-710 SOUTH CORRIDOR PROJECT UTILITY STUDY - CENTRAL SEGMENT  
PS4710-2769**

| <b>Mod. No.</b> | <b>Original Contract</b>  | <b>3/15/12</b> | <b>\$4,952,298</b> |
|-----------------|---|----------------|--------------------|
| 1               | Supplemental Statement of Work  | 2/5/13         | \$394,624          |
| 2               | Supplemental Statement of Work  | 4/2/13         | \$31,761           |
| 3               | Supplemental Statement of Work and<br>Period of Performance Extension                       | 3/3/14         | \$316,460          |
| 4               | Period of Performance Extension   | 6/26/14        | \$0                |
| 5               | Period of Performance Extension   | 12/12/14       | \$0                |
| 6               | Period of Performance Extension<br>through 10/1/15  | 6/25/15        | \$0                |
| 7               | Reallocation of Statement of Work Task<br>10 to incorporate additional SBE<br>subcontractor | 8/14/15        | \$0                |
| 8               | Supplemental Statement of Work and<br>Period of Performance Extension to<br>March 31, 2017  | <b>PENDING</b> | \$350,521          |
|                 |   |                |                    |
|                 | <b>Total:</b>   |                | <b>\$6,045,664</b> |