

**Meeting Date:** 3/17/2015

**Report Type:** Consent

**Report ID:** 2015-00212

**Title: Appropriation of Funds and Supplemental Agreement: Cosumnes River Boulevard/I-5 Interchange and Extension Project (T15018000)**

**Location:** Districts 7 and 8

**Recommendation:** Pass a Resolution 1) authorizing the City Manager or his designee to execute Supplemental Agreement No. 19 to City Agreement No. 2007-0406 with Mark Thomas & Company, Inc. in an amount not to exceed \$359,079; 2) resetting the City Manager's authority to issue Supplemental Agreements for City Agreement No. 2007-0406; 3) appropriating an additional \$5,981,017 in developer contributions to the Cosumnes River Boulevard/I-5 Interchange and Extension Project (T15018000); and 4) if necessary to appropriate additional funds up to the total maximum amount of \$52,314,960 (Fund 3702) under the Cost Sharing Agreement with M&H Realty Partners for the Cosumnes River Boulevard/I-5 Interchange and Extension Project (T15018000).

**Contact:** Nader Kamal, Special Projects Engineer, (916) 808-7035; Nicholas Theocharides, Engineering Services Manager, (916) 808-8280, Department of Public Works

**Presenter:** None

**Department:** Public Works Department

**Division:** Engineering Services Admin

**Dept ID:** 15001111

**Attachments:**

- 1-Description/Analysis
- 2-Background
- 3-Resolution
- 4-Exhibit A (Location Map)
- 5-Supplement Agreement 19 Mark Thomas & Co.

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**City Attorney Review**

Approved as to Form  
Gerald Hicks  
3/10/2015 9:25:06 AM

**Approvals/Acknowledgements**

Department Director or Designee: Jerry Way - 2/27/2015 2:24:59 PM

## Description/Analysis

**Issue:** Approval of Supplemental Agreement No. 19 with Mark Thomas & Company, Inc. is necessary to provide design of the interchange landscaping, signal modification and improvements at Freeport Boulevard and Meadowview Road and additional construction support. Appropriating additional M&H Realty Partner (M&H) funds per the Cost Sharing Agreement between the City and M&H will cover M&H's share of additional project costs and M&H full costs for improvements that have been completed per their request.

**Policy Considerations:** None.

**Economic Impact:** None.

**Environmental Considerations:**

**California Environmental Quality Act (CEQA)/National Environmental Policy Act (NEPA):**

The Project's mitigation and design are consistent with the Project's final approved Environmental Impact Statement/Final Environmental Impact Report (EIS/EIR). The Project's final Environmental Impact Report was approved by City Council on May 15, 2007. The Environmental Impact Statement (EIS) conforming to the National Environmental Policy Act (NEPA) was approved by the Federal Highway Administration (FHWA) on October 5, 2007.

**Sustainability Considerations:** The project will improve access, provide route continuity, and reduce overall vehicle miles traveled in the south area of Sacramento. The project will construct new sidewalks and bike lanes which will increase the use of alternate modes of commuting. The project will also increase the City's urban forest canopy and create an environment more conducive to pedestrian and bicycle trips, thereby encouraging the use of alternate modes of transportation. All of these considerations and improvements are consistent with City's sustainability goals.

**Other:** None.

**Commission/Committee Action:** None.

**Rationale for Recommendation:** Approval of Supplemental Agreement No. 19 with Mark Thomas & Company, Inc. will enable the City to provide design of the interchange landscaping, intersection modifications, continued construction management support and modifications of the current design per Caltrans, SMUD and M&H requirements. The appropriation of additional M&H funding reflects the anticipated funding for shared improvements and 100% for M&H only improvements based on the Cost Sharing Agreement with M&H.

**Financial Considerations:** The estimated total project cost for Cosumnes River Boulevard/I-5 Interchange and Extension Project (T15018000) is \$95,520,289. As of March 6, 2015, the project has a total budget of \$89,539,272 consisting of federal, state, and local transportation funds and developer contributions. Appropriating an additional \$5,981,017 (Fund 3702) in M&H funds will bring the total budget to \$95,520,289 and the unobligated balance to \$7,967,773, which is sufficient to execute Supplemental Agreement No. 19 in the amount of \$359,079 with Mark Thomas & Company, Inc. and complete construction of the project.

Under the Cost Sharing Agreement with M&H, the City may get reimbursed up to a total of \$52,314,960. The appropriation of an additional \$5,981,017 in M&H funds will increase the total amount anticipated to be reimbursed by M&H under the Cost Sharing Agreement to \$47,957,614. A total of \$4,357,346 remains available under the Cost Sharing Agreement to address any additional costs associated with the project, and these will be appropriated if necessary based on the Cost Sharing Agreement.

There are no General Funds planned or allocated for this project.

**Local Business Enterprise (LBE):** The Agreement and Supplemental Agreements with Mark Thomas and Company, Inc. are funded through federal funds. Federal funding policy require Disadvantaged Business Enterprise (DBE) project participation therefore the City's LBE policy is held in abeyance. Mark Thomas and Company, Inc. pledged 9.28% DBE participation.

## Attachment 1

### Background

The Cosumnes River Boulevard/I-5 Interchange and Extension Project (T15018000) extends Cosumnes River Boulevard from its westerly terminus at Franklin Boulevard to an at-grade intersection with Freeport Boulevard, and includes the construction of a new interchange at I-5 and a new bridge crossing over Morrison Creek and Union Pacific Railroad (UPRR).

It will include 3.5 miles of new roadway consisting of 4 to 6 lanes of traffic, on-street bike lanes, 8-foot wide bifurcated sidewalks, street lights, and landscaping.

The interchange at Interstate 5 is anticipated to be open to the public this spring and the extension to the east is anticipated to be open this fall.

On April 15, 2008, the City Council approved a Professional Services Agreement with Mark Thomas & Company, Inc. in the amount of \$2,930,117 to provide preliminary engineering, environmental services, and final design services for the Cosumnes River Boulevard/I-5 Interchange and Extension Project (T15018000).

Approval of Supplemental Agreement No. 19 with Mark Thomas & Company, Inc. (MTCO) in the amount of \$359,079 will allow the project construction to move forward and allow MTCO to address several new items such as preparing final plans and specifications for the interchange landscaping, the final plans and specifications for the Freeport Boulevard and Meadowview Road intersection improvements (mitigation measure) and additional construction support for both M&H related items and SMUD Phase III electrical items. These additional items were not part of the original scope and have been requested by Caltrans, M&H and SMUD. With the additional appropriation of \$5,523,329 M&H will be paying its portion of cost for this Supplemental Agreement as well as its portion of the future change order costs that will follow these design changes.

Following is a breakdown of additional items of work:

Item 1 Interchange Landscaping – This item will enable MTCO and their sub consultant to develop plans, specifications and estimates for landscaping the new interchange at Interstate 5 along with obtaining the necessary Caltrans encroachment permit. The I-5/Cosumnes River Boulevard Interchange is the gateway into the City of Sacramento. The landscaping will enhance the overall aesthetics of the project and appearance of the new interchange. In addition, Caltrans requires that the interchange landscaping be completed within two years following the opening of the interchange. MTCO and their sub consultant have already prepared conceptual designs that have been reviewed by the City staff. Approval of this Supplemental Agreement will allow the designer to prepare final plans, specifications, and estimates (PS&E) for the proposed landscaping.

Item 2 Freeport Boulevard/Meadowview Road Intersection Improvements – During the environmental review for the Cosumnes River Boulevard/I-5 Interchange and Extension Project, various mitigation measures were identified as part of the Adopted EIR/EIS. One of the identified mitigation measures was to construct an additional left turn lane from eastbound Meadowview Road to northbound Freeport Boulevard, prior to opening the new Cosumnes River Boulevard project to account for the increase in traffic volumes as a result of the new roadway extension.

Supplemental Agreement No. 19 will enable MTCO to prepare final plans, specifications and estimates for these intersection improvements at Freeport Boulevard and Meadowview Road that are mandated by the environmental document as a mitigation measure. The design and construction of this item will be funded 50/50 by M&H and the City.

Item 3 Additional Construction Support Related to M&H Items - As M&H continues moving forward with their plans for off-site development, changes are required to the original design. Supplemental Agreement No. 19 will enable MTCO to provide additional design and coordination driven by new scope items of work that are the M&H's responsibility, such as the preparation of joint trench crossings of the Freeport Regional Water Agency (FRWA) fiber optic lines, adjusting utility crossings to avoid potential conflicts, revising plans to accommodate proposed Delta Shores fiber optic line, waterline revisions, and driveway modifications requested by the City's Transportation Division. The design and construction of this item will be 100% funded by M&H.

Item 4 Additional Construction Support – The final authorization will expand the contract with MTCO to assist the City with SMUD coordination including helping with service applications, rectifier service connections, attending meetings with SMUD and the City to discuss potential overhead service designs, preparing conceptual exhibits to show SMUD overhead service work, update service connection points based on SMUD overhead service design east of Delta Shores Circle to 24th Street and east of 24th Street to Franklin Boulevard, prepare thermal expansion calculations for SMUD conduits at Morrison Creek Overhead and various other items. This item also includes additional Requests for Information (RFI's) that are required to be answered by the designer, assisting the City with addressing Caltrans' comments, plan revisions for embankment changes requested by Caltrans and various other plan revisions required by FRWA, Sacramento Regional County Sanitation District (SRCSD) and Regional Transit (RT) coordination work.

## RESOLUTION NO.

Adopted by the Sacramento City Council

### **APPROPRIATING FUNDS AND APPROVING SUPPLEMENTAL AGREEMENT NO. 19 FOR THE COSUMNES RIVER BOULEVARD/I-5 INTERCHANGE AND EXTENSION PROJECT (T15018000)**

- A. The Cosumnes River Boulevard/I-5 Interchange and Extension Project (T15018000) extends Cosumnes River Boulevard from its westerly terminus at Franklin Boulevard to an at-grade intersection with Freeport Boulevard, and includes the construction of a new interchange at I-5 and a new bridge crossing over Morrison Creek and Union Pacific Railroad (UPRR).
- B. It will include 3.5 miles of new roadway consisting of 4 to 6 lanes of traffic, on street bike lanes, 8 foot wide bifurcated sidewalks, street lights, and landscaping.
- C. In addition to reducing traffic congestion along Mack Road, the new road extension will provide access to the Delta Shores development site which consists of 800 acres of retail, commercial, residential and mixed uses. The new extension will also parallel Regional Transit's new South Line Light Rail and provide direct access to two adjoining light rail transit stations.
- D. This project is possible due to the partnership and private funding contribution from M&H Realty Partners (M&H) who own the Delta Shores development site. The City and M&H entered into a Cost Sharing Agreement which was approved by City Council in December 2011. The agreement identifies the cost split of the shared project with the City paying 50.8% and M&H 49.2% of the project costs. In addition, the City has contracted for some items at the request of M&H Partners that are 100% reimbursed by M&H. M&H has provided a Letter of Credit to the City for their share of the project costs.
- E. On April 10, 2008, the City Council approved a Professional Services Agreement with Mark Thomas & Company, Inc. in the amount of \$2,930,117 to provide preliminary engineering, environmental services, and final design services for the Cosumnes River Boulevard/I-5 Interchange and Extension Project (T15018000).
- F. Approving Supplemental Agreement No. 19 with Mark Thomas & Company, Inc. is necessary to provide additional design and construction support.
- G. The City Council adopted Resolution 2012-342 establishing the budget for the project. Based on bids received and the Cost Sharing Agreement, the budget needs to be modified.

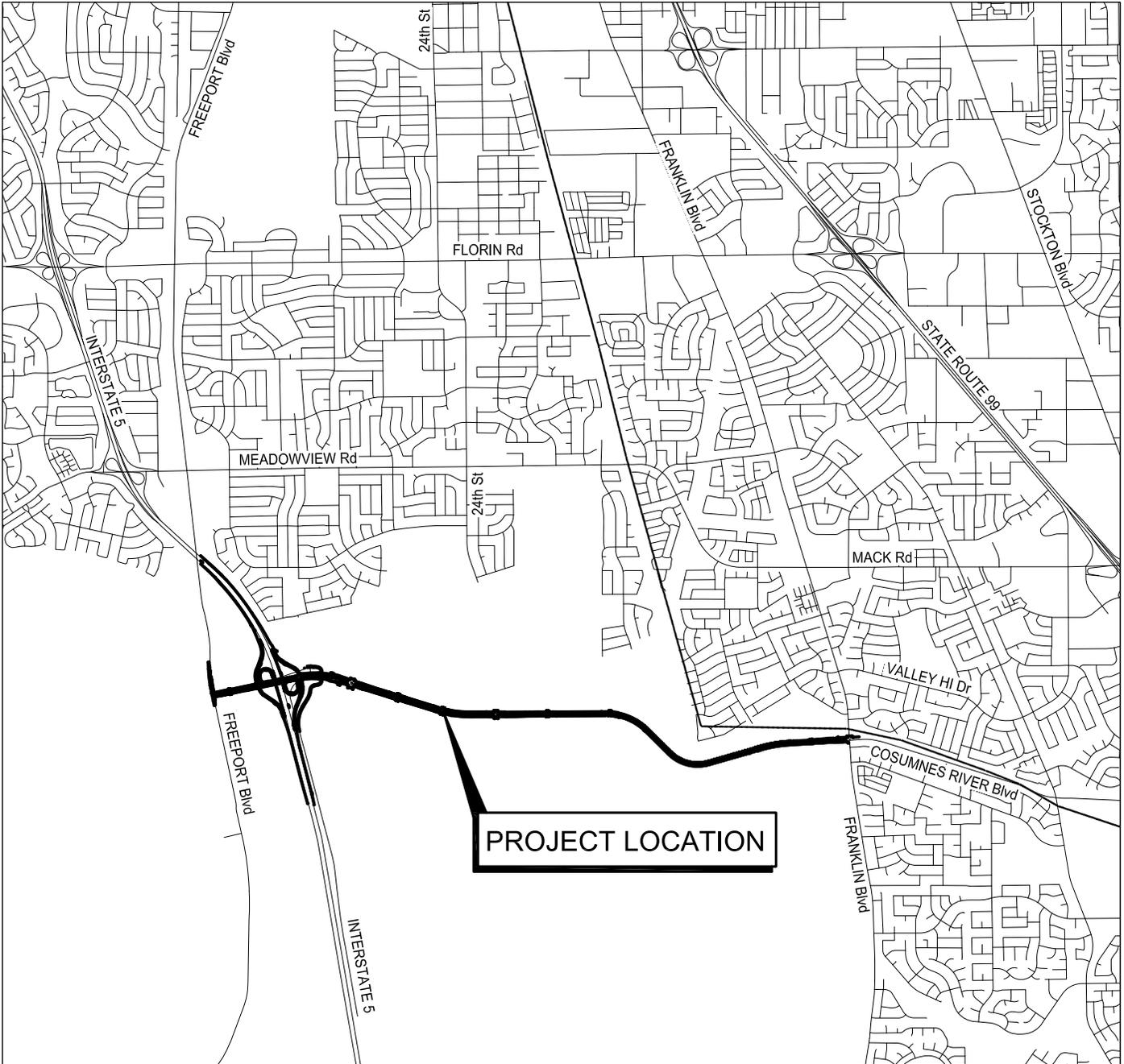
**BASED ON THE FACTS SET FORTH IN THE BACKGROUND, THE CITY COUNCIL RESOLVES AS FOLLOWS:**

- Section 1. The City Manager is authorized to execute Supplemental Agreement No. 19 with Mark Thomas & Company, Inc. in the amount of \$359,079 for the Cosumnes River Boulevard/I-5 Interchange and Extension Project (T15018000).
- Section 2. The City Manager's agreement authority with Mark Thomas & Company, Inc. for this project is hereby reset.
- Section 3. The FY2014/15 CIP is amended to appropriate an additional \$5,981,017 (Fund 3702) to the Cosumnes River Boulevard/I-5 Interchange and Extension Project (T15018000) based on current cost estimates.
- Section 4. The CIP will be amended if necessary to appropriate additional funds up to the total maximum amount of \$52,314,960 (Fund 3702) under the Cost Sharing Agreement with M&H Realty Partners for the Cosumnes River Boulevard/I-5 Interchange and Extension Project (T15018000), if additional funding is needed to complete the project.
- Section 5. Exhibit A is incorporated as part of this Resolution.

**Table of Contents:**

- Exhibit A: Location Map – Cosumnes River Boulevard/I-5 Interchange and Extension Project (T15018000)

Location map for:  
**I-5/COSUMNES RIVER BOULEVARD EXTENSION  
AND INTERCHANGE PROJECT**  
(PN: T15018000)



City of Sacramento  
**SUPPLEMENTAL AGREEMENT**

Contract #: 2007-0406-19

Purchase Order #: 0000001795

Supplemental Agreement #: 19

Job#: T15018000

Project Title: I-5/Cosumnes Boulevard Extension and Interchange Project

The City of Sacramento ("City") and Mark Thomas & Company, ("Contractor"), as parties to that certain Professional Services Agreement designated as Agreement Number 2007-0406 including any and all prior supplemental agreements modifying said agreement (said agreement and supplemental agreements are hereby collectively referred to as the "Agreement"), hereby supplement and modify the Agreement as follows:

- 1. The Scope of Services specified in Exhibit A of the Agreement is amended as follows:

See Exhibit A

- 2. In consideration of the additional and/or revised services described in section 1, above, the maximum not-to-exceed amount that is specified in Exhibit B of the Agreement of Payment of Contractor's fees and expenses, is increased by \$359,079.33 and said maximum not-to-exceed amount is amended as follows:

The original not-to-exceed amount:	\$2,930,117.00
The net change by previous Supplemental Agreements:	\$1,734,621.32
The not-to-exceed amount prior to this Supplemental Agreements:	\$4,664,738.32
The contract sum will be increased by this Supplemental Agreement:	\$359,079.33
The new not-to-exceed amount including all Supplemental Agreements:	\$5,023,817.65

- 3. Contractor agrees that the amount of increase or decrease in the not-to-exceed amount specified in section 2, above, shall constitute full compensation for additional and/or revised services specified in section 1, above, and shall fully compensate Contractor for any and all direct and indirect costs that may be incurred by Contractor in connection with such additional and/or revised services, including costs associated with any changes in work schedules or in the performance of other services or work by Contractor. The time for the performance of the agreement is increased by 0 Working Days by reason of the performance of the work required by this Supplemental Agreement.
- 4. Contractor warrants and represents that the person or persons executing this supplemental agreement on behalf of Contractor has or have been duly authorized by Contractor to sign this supplemental agreement and bind Contractor to the terms hereof.
- 5. Except as specifically revised herein, all terms and conditions of the Agreement shall remain in full force and effect, and Contractor shall perform all the services, duties, obligations and conditions required under the Agreement, as supplemented and modified by this supplemental agreement.

Approval Recommended By:

Nadel Kamal  
Project Manager

Approved as to Form By:

[Signature]  
City Attorney

Approved By:

R.M. Bras  
Contractor

Approved By:

Attested to By:

City of Sacramento

Executed Date

City Clerk

## Exhibit A

### I-5/Cosumnes Boulevard Extension and Interchange Project 2007-0406

<i>Description</i>	<i>Amount</i>																
<b>Supplemental Agreement #19</b>																	
PCO # 34.0 Client Initiated Changes	\$359,079.33																
02/10/15 See Attachment A																	
1 Items	Total for Change Order # 19																
	<b>\$359,079.33</b>																
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">1 Change Orders</td> <td style="width: 15%;">1 Items</td> <td style="width: 40%;">Total for Contract # 2007-0406</td> <td style="width: 15%; text-align: right;"><b>\$359,079.33</b></td> </tr> <tr> <td colspan="2" style="text-align: center;"><i>Totals By Reason</i></td> <td>Changed/Unforeseen Conditions</td> <td style="text-align: right;">\$0.00</td> </tr> <tr> <td colspan="2"></td> <td>Changes to Bid Documents</td> <td style="text-align: right;">\$0.00</td> </tr> <tr> <td colspan="2"></td> <td>Client Initiated Changes</td> <td style="text-align: right;"><b>\$359,079.33</b></td> </tr> </table>		1 Change Orders	1 Items	Total for Contract # 2007-0406	<b>\$359,079.33</b>	<i>Totals By Reason</i>		Changed/Unforeseen Conditions	\$0.00			Changes to Bid Documents	\$0.00			Client Initiated Changes	<b>\$359,079.33</b>
1 Change Orders	1 Items	Total for Contract # 2007-0406	<b>\$359,079.33</b>														
<i>Totals By Reason</i>		Changed/Unforeseen Conditions	\$0.00														
		Changes to Bid Documents	\$0.00														
		Client Initiated Changes	<b>\$359,079.33</b>														



**MARK THOMAS & COMPANY**

Providing Engineering, Surveying & Planning Services

*Attachment A*

February 6, 2015

File No. 58-0129B

Mr. Nader Kamal  
City of Sacramento  
Department of Public Works  
915 I Street, Room 2000  
Sacramento, CA 95814-2604

**OFFICES**

Cupertino  
Fresno  
Irvine  
Oakland  
Sacramento  
Salinas  
San Jose  
San Mateo  
Walnut Creek

**RE: I-5/COSUMNES RIVER BLVD INTERCHANGE & ROAD EXTENSION  
PN: TV76, T15018000 (PO #SACTO-0000001795 & PO #SACTO-0000012649)**

Dear Mr. Kamal:

We have prepared Supplemental Agreement Request 19 associated with the landscaping designs for the I-5/Cosumnes River Boulevard Interchange, the preparation of final design for the Meadowview/Freeport Intersection improvements, and the additional time and effort associated with providing on-going design support during construction.

Attached is the detailed scope of work and fee proposal for the following items included on this request:

- Item 1: Interchange Landscaping Final PS&E
- Item 2: Freeport Blvd/Meadowview Blvd Intersection Improvements
- Item 3: Additional Construction Support Related to Developer Items
- Item 4: Additional Construction Support

Sincerely,

**MARK THOMAS & COMPANY, INC.**

Zach Siviglia  
Project Manager

**PROPOSAL FOR EXTRA WORK NO. 19 FOR COSUMNES RIVER BLVD**

As we have discussed, MTCO has been asked to move forward with a number of additional tasks for the Cosumnes River Boulevard Interchange Project that were not included within our original contract. These items came about during construction for the project. The specific tasks for this amendment are as follows:

**ITEM 1 - INTERCHANGE LANDSCAPING FINAL PS&E**

From the previous concepts that were provided showing other project designs, it was the City’s desire to develop the interchange landscaping with a more modest “basic” approach. As such, MTCO and Orsee will develop plans, specifications, and estimates for the interchange landscaping. MTCO and Orsee will also coordinate with Caltrans on the necessary encroachment permit.

Additional Fee:

MTCO	\$10,001.45 (Labor Cost Only)
Orsee	\$38,936.08 (Labor Cost Only)
<u>F&amp;P</u>	<u>\$621.26 (Labor Cost Only)</u>
Total	\$49,558.79

**ITEM 2 – FREEPORT BLVD/MEADOWVIEW BLVD INTERSECTION IMPROVEMENTS**

The adopted EIR/EIS for the project identified mitigations needed to the Freeport Boulevard and Meadowview Boulevard intersection, to account for the increase traffic volumes as a result of the Cosumnes River Boulevard Extension. The adopted EIR/EIS requires that an additional left turn lane be constructed prior to the opening of the new roadway, from eastbound Meadowview Drive to northbound Freeport Boulevard. The designs for these improvements were not originally part of MTCO’s contract for the project. Therefore the City is requesting that MTCO begin working on the design for the improvements. As part of this amendment request, MTCO will prepare final plans, specifications, and estimates for the intersection improvements to be incorporated as a contract change order to the current construction project.

Additional Fee:

MTCO	\$43,584.20 (Labor Costs Only)
<u>F&amp;P</u>	<u>\$11,898.42 (Labor Costs Only)</u>
Total	\$55,482.62

**ITEM 3 – ADDITIONAL CONSTRUCTION SUPPORT RELATED TO DEVELOPER ITEMS**

The requested involvement for MTCO to provide additional construction support is being driven by the new scope items for design and coordination related to items of work that are the developer responsibility. MTCO will provide the additional services requested below:

- Prepare joint trench crossings of the FRWA fiber optic lines for potential conflicts, adjust plans to show utility crossings that are to be installed ahead of project construction, and assist in preparation of survey staking information for the FRWA fiber optic lines.
  - F&P – \$10,980.28
  - MTCO - \$8,000.00
- Coordinate future fiber optic line on Delta Shores Circle and revise plans to accommodate the proposed line.
  - F&P – \$1,860.00
  - MTCO - \$800.00
- Prepare Plan revisions for 24” waterline connection at Freeport Blvd and Franklin Drive, as requested by City DOU.
  - MTCO - \$8,700.00

- Prepare plan revisions for driveway modifications serving both M&H parcels, as requested by City Traffic section.
  - MTCO - \$5,306.13
- Prepare plan revisions for 8" waterline connection at Franklin Blvd, as requested by DOU.
  - MTCO - \$4,700.00
- Prepare steel pipe casing design for PG&E utilities.
  - AECOM – \$6,521.72
  - MTCO - \$4,200.00

Additional Fee:

MTCO	\$31,712.47 (Labor Cost Only)
F&P	\$12,840.28 (Labor Cost Only)
<u>AECOM</u>	<u>\$6,521.72 (Labor Cost Only)</u>
Total	\$51,074.47

**ITEM 4 – ADDITIONAL CONSTRUCTION SUPPORT/SMUD PHASE III ELECTRICAL**

The requested involvement for MTCO to provide additional construction support is being driven by the new scope items above and the SMUD Phase III electrical design and coordination. In addition to the items identified above, MTCO will provide the additional services requested below:

- Respond to Requests for Information (RFI's). Following the approval of the previous agreement, MTCO is being asked to respond to an additional 44 RFI's and AECOM is being asked to respond to an additional 61 RFI's that are not related to any omissions on the contract documents. These RFI's range from adjusting the approved plans to account for previously unknown buried man-made objects, or objects that were shown to be in another location on the obtained record drawings (such as FRWA underground vaults), to reviewing/approving proposed contract document changes from the contractors (such as the electrical pull boxes that are identified on the I-5 and Morrison Creek Structures. At the billable rate identified on the 10H form for MTCO Staff, this equates to average staff time of approximately 1 hour per RFI. For AECOM staff, this equates to an average of approximately 3 hours per RFI. Depending on the content and coordination required for each item, some RFI's will require more time to respond and some will require less.
  - AECOM – \$27,046.49
  - F&P – \$2,637.02
  - MTCO - \$5,671.69
- Review materials submittals from the contractor for conformance with the plans and specifications.
  - AECOM – \$6,742.98
  - F&P – \$2,480.00
  - MTCO - \$19,000.00
- Assist the City of Sacramento with SMUD coordination including helping with service applications, rectifier service connections, attending meetings with SMUD and the City to discuss potential overhead service designs, and preparing conceptual exhibits to show SMUD overhead service work.
  - F&P – \$7,820.00
  - MTCO - \$12,000.00
- Update service connection points based on SMUD overhead service design east of Delta Shores Circle to 24<sup>th</sup> Street and east of 24<sup>th</sup> Street to Franklin Boulevard.
  - F&P – \$4,400.00
  - MTCO - \$1,200.00

- Revise irrigation controller and booster pump service locations due to City landscape review.
  - F&P – \$1,860.00
  - MTCo - \$1,200.00
- Review highway lighting locations and cross sections and respond to Caltrans comments.
  - F&P – \$4,800.00
  - MTCo - \$1,400.00
- Revise signal cabinet layouts at ramp intersections to accommodate Caltrans comments.
  - F&P – \$1,400.00
  - MTCo - \$1,200.00
- Revise CCTV plans to relocate camera out of the median.
  - F&P – \$3,100.00
  - MTCo - \$800.00
- Revise southbound I-5 median overhead sign location.
  - F&P – \$310.00
  - MTCo - \$400.00
- Be available to answer questions from the contractor regarding the design and will be available to meet with the contractor in the field.
  - F&P – \$4,000.00
  - MTCo - \$2,000.00
- Prepare Plan changes for SRCSD irrigation line at Franklin Blvd
  - MTCo - \$4,000.00
- Prepare plan revisions for CTPB along I-5, as requested by CT field staff.
  - MTCo - \$4,700.00
- Prepare plan revisions for FRWA CAV lid adjustments along CRB
  - MTCo - \$1,200.00
- Review existing River Bend Bridge Demolition Plans
  - AECOM – \$2,676.19
  - MTCo - \$400.00
- Prepare plan revision based on contractor's inability to procure shrubs listed on the plans.
  - MTCo - \$1,200.00
- Assist THG coordinate with PG&E on joint trench plan approvals, this is typically a construction issue.
  - MTCo - \$1,200.00
- Review Morrison Creek Overhead submittal for joint seals, barriers, conduits, etc.
  - AECOM – \$6,351.34
  - MTCo - \$800.00
- Prepare revised grid grade notes for CRB Extension to assist Andregg Geomatics, as requested by THG.
  - MTCo - \$8,000.00
- Prepare plan revisions for storm drain and waterline connection at Freeport Blvd, due to previously unmarked underground gas lines.
  - MTCo - \$1,200.00
- Recalculate AB & HMA quantities to assist THG, as requested.
  - MTCo - \$6,700.00
- Prepare revised traffic handling plans to show construction access off of SB I-5, as requested by THG.
  - MTCo - \$3,700.00

- Prepare thermal expansion calculations for SMUD conduits at Morrison Creek Overhead.
  - AECOM – \$2,230.63
  - MTCO - \$700.00
- Prepare plan revisions for 24” waterline extension along Freeport Blvd.
  - MTCO - \$4,400.00
- Coordinate with City DOU for proposed above ground ARV enclosures.
  - AECOM – \$998.96
  - MTCO - \$1,600.00
- Prepare plan revisions for waterline changes per City DOU review of contractor’s lay sheets.
  - AECOM – \$3,134.46
  - MTCO - \$11,000.00
- Assist THG with the review of SMUD overhead line clearance at the Morrison Creek Overhead.
  - MTCO - \$600.00
- Prepare plan revisions for vault adjustment at the Freeport/CRB intersection that was installed after the final plans were prepared, and thus not originally shown to be relocated.
  - MTCO - \$1,200.00
- Prepare plan revisions for embankment changes along I-5 requested by Caltrans following the approved plans.
  - MTCO- \$8,935.50
- Coordinate with Caltrans to review whether or not the new Traffic Operation Policy Directive for sign sheeting applies to the I-5/CRB project.
  - MTCO - \$600.00
- Prepare plan revisions for SRCSD irrigation line changes at Franklin Blvd/CRB.
  - MTCO - \$1,400.00
- Prepare plan revisions for signal pole modifications at CRB/Delta Shores Circle intersection to avoid underground piping for FRWA.
  - MTCO - \$600.00
- Prepare plan revisions for MVDS relocations requested by Caltrans during punchlist review.
  - MTCO - \$975.60
- Attendance at 50 meetings, including weekly construction meetings. Using the billable rates for approved staff on the 10H form, this equates to roughly 1.5 hours per meeting, which is the average weekly meeting duration for the project.
  - MTCO - \$9,000.00
- Prepare plan revisions for driveway modifications serving RT parcels, as requested by City Traffic section.
  - MTCO - \$1,993.87

Additional Fee:

MTCO	\$120,965.39 (Labor Cost Only)
F&P	\$32,807.02 (Labor Cost Only)
<u>AECOM</u>	<u>\$49,191.05 (Labor Cost Only)</u>
Total	\$202,963.46

**A summary of the additional fees for Tasks 1, 2, 3, and 4 is included as follows:**

<b>Company</b>	<b>Fee</b>
MTCO	\$206,263.51
Orsee	\$ 38,936.08
F&P	\$ 58,166.97
AECOM	\$ 55,712.77
<b>Total</b>	<b>\$359,079.33</b>

The total budget amount being requested for Supplemental Agreement Number 19 is **\$359,079.33**

**Mark Thomas & Company, Inc.**  
**Scope & Budget Work Sheet**  
**MASTER PROJECT FULL SERVICES**

Project Number

58-0129B

Supp 19

Phase	Task	Description of Work	Office Disc.	MTCO Labor	MTCO Reimbursable	Subs Budget
886		<b>SUPPLEMENTAL AGREEMENT NO. 19</b>				
	001	Interchange Landscaping Final PS&E	:SA:TR	10,001.45		
	002	Freeport Blvd/Meadowview Blvd Intersection Improvements	:SA:TR	43,584.20		
	003	Additional Construction Support Related to Developer Items	:SA:TR	31,712.47		
	004	Additional Construction Support/SMUD Phase III Electrical	:SA:TR	120,965.39		
	100	AECOM: ADDITIONAL CONSTRUCTION SUPPORT RELATED TO DEVELOPER ITEMS	:SA:TR			6,521.72
	101	AECOM: ADDITIONAL CONSTRUCTION SUPPORT/SMUD PHASE III ELECTRICAL	:SA:TR			49,191.05
	200	F&P: INTERCHANGE LANDSCAPING FINAL PS&E	:SA:TR			621.26
	201	F&P: FREEPORT BLVD/MEADOWVIEW BLVD INTERSECTION IMPROVEMENTS	:SA:TR			11,898.42
	202	F&P: ADDITIONAL CONSTRUCTION SUPPORT RELATED TO DEVELOPER ITEMS	:SA:TR			12,840.28
	203	F&P: ADDITIONAL CONSTRUCTION SUPPORT/SMUD PHASE III ELECTRICAL	:SA:TR			32,807.01
	300	ORSEE: INTERCHANGE LANDSCAPING FINAL PS&E	:SA:TR			38,936.08
		MTC:SA:TR				
		<b>Subtotal</b>		<b>\$ 206,263.51</b>		<b>\$ 152,815.82</b>
		<b>Grand Total</b>		<b>\$ 359,079.33</b>		

Supplemental Agreement #19

Cosumnes River Boulevard

MTCO														
Staff Name and or Classification	Senior Project Engineer		Engineering Cadd Tech		Design (Tech Assistant II)		Design (tech Assistant)		Hours Subtotal		Total Cost		Hours Total	
	g	Manager	Engineer	Engineer	Assistant II)	Assistant)	Hours	Subtotal	Total Cost	Hours	Total	Cost Total		
Approved Flat Hourly Billing Rate	\$ 201.48	\$ 121.95	\$ 121.55	\$ 85.31	\$ 39.77	\$ 34.46								
Task 1		20	40	20	25		105	\$ 10,001.45	105	\$ 10,001.45	105	\$ 10,001.45		
Task 2		72	160	180	67		412	\$ 43,584.20	412	\$ 43,584.20	412	\$ 43,584.20		
Task 3		60	110	98	176		335	\$ 31,712.47	335	\$ 31,712.47	335	\$ 31,712.47		
Task 4		140	515	402	268		1233	\$ 120,965.39	1233	\$ 120,965.39	1233	\$ 120,965.39		
<b>Task Subtotal</b>	0	292	825	700	268	0	2085	206,263.51	2085	206,263.51	2085	206,263.51		
Total	0	292	825	700	268	0	2085	\$ 206,263.51	2085	\$ 206,263.51	2085	\$ 206,263.51		
Other Direct Costs														
<b>Grand Total</b>								<b>\$ 206,263.51</b>		<b>\$ 206,263.51</b>		<b>\$ 206,263.51</b>		

COST PROPOSAL (SUPPLEMENTAL 19)

Cosumnes/-5 Interchange

		AECOM Technical Services, Inc.										Total Cost
		Flope										
Staff Name and or Classification	Tom Barnard Project Manager	Jean Freking Senior Bridge Engineer	Todd Waltz CADD Technician	Sullivan CADD Technician	Hours Subtotal	Labor Costs	OH + Fringe 158.00%	Profit 10%				
Item 3	Additional Construction Support related to developer											
Item 3 - Subtotal		6	32	16	54	\$ 2,298.00	\$ 3,630.84	\$ 592.88			\$ 6,521.72	
Item 4	Additional Construction Support	23	345	22	390	\$ 17,333.00	\$ 27,386.14	\$ 4,471.91			\$ 49,191.05	
Item 3 - Subtotal		23	345	0	390	17,333.00	27,386.14	4,471.91			49,191.05	
Total		6	32	16	444	\$ 19,631.00	\$ 31,016.98	\$ 5,064.80			\$ 55,712.78	
Other Direct Costs											\$ -	
<b>Grand Total</b>											<b>\$ 55,712.78</b>	

I-5 Cosumnes River Blvd Interchange - Construction Support

		Fehr & Peers										Hours Total	Cost Total	
		Mike					James							
		Kristin Calla Senior Associate I	Johnstone Sr. Engr. Tech. IV	Sellards Sr. Engr. Tech. III	Raynon Catris Technician III	James Moser Technician III	Lindsey Soza Admin. Asst. IV	Hours Subtotal	Labor Costs	OH + Fringe 17.6%	Profit 10%	Total Cost		
Interchange	\$	54.33	42.31	37.98	37.98	26.50	22.60	18.99						
Landscaping				3	1	2	1	7	\$ 204.63	\$ 360.15	\$ 56.48	\$ 621.26		
Intersection														
Improvements		8	16	42	35		15	116	\$ 3,919.11	\$ 6,897.63	\$ 1,081.67	\$ 11,898.42		
Construction Support- Developer Related		2		94		21	4	121	\$ 4,229.34	\$ 7,443.64	\$ 1,167.30	\$ 12,840.28		
Additional Construction Support		24		229	13	17	4	287	\$ 10,806.00	\$ 19,018.56	\$ 2,982.46	\$ 32,807.02		
<b>Grand Total</b>												<b>\$ 58,166.97</b>		

COST PROPOSAL

SAMPLE COST PROPOSAL

Cosumnes River Boulevard

**ORSEE DESIGN ASSOCIATES, INC.**

Staff Name and or Classification	Timothy Hiraoka Principal	Harry Nakagawara Principal	Daniel Tillson Land Arch	Admin	Hours Subtotal	Labor Costs	OH + Fringe 198.00	Profit 10%	Total Cost
Actual Base									
Hourly Rate	\$ 45.00	\$ 45.00	\$ 28.50	\$ 19.00					
Task 1	Hours	114	14	206	13	347	\$ 11,878.00	\$ 23,518.44	\$ 3,539.64
Task 1 Subtotal	Hours	114	14	206	13	347			\$ 38,936.08
Total	Hours					347			\$ 38,936.08
Other Direct Costs									
<b>Grand Total</b>									<b>\$ 38,936.08</b>