

<b>REQUEST FOR COUNCIL ACTION</b> CITY OF SAN DIEGO	CERTIFICATE NUMBER (FOR COMPTROLLER'S USE ONLY) 3000004932
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TO: CITY COUNCIL	FROM (ORIGINATING DEPARTMENT): Public Works/Engineering-ROW	DATE: 02/28/2012
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SUBJECT: Replacement of the West Mission Bay Drive Bridge over San Diego River Project (Bridge No. 57C-0023) – Authorize Fourth Amendment to the Consultant Agreement.

PRIMARY CONTACT (NAME, PHONE): Marnell Gibson, 619-533-5213, MS 908A	SECONDARY CONTACT (NAME, PHONE): Abi Palaseyed, 619-533-4654, MS 908A
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**COMPLETE FOR ACCOUNTING PURPOSES**

FUND	400169	400677	600000	400169	
DEPT / FUNCTIONAL AREA	OTHR-00000000-TR	OTHR-00000000-TR	OTHR-00000000-TR	OTHR-00000000-TR	
ORG / COST CENTER	2113120013	2113120013	2113120013	2113120013	
OBJECT / GENERAL LEDGER ACCT	512117	512117			
JOB / WBS OR INTERNAL ORDER	S-00877	S-00946	S-00871.01.03	S-00871.01.03	
C.I.P./CAPITAL PROJECT No.					
AMOUNT	\$540,000.00	\$500,000.00	\$0.00	\$0.00	0.00

FUND					
DEPT / FUNCTIONAL AREA					
ORG / COST CENTER					
OBJECT / GENERAL LEDGER ACCT					
JOB / WBS OR INTERNAL ORDER					
C.I.P./CAPITAL PROJECT No.					
AMOUNT	0.00	0.00	0.00	0.00	0.00

**COST SUMMARY (IF APPLICABLE):** Original Agreement: \$ 344,000  
 First Amendment: \$ 106,430  
 Second Amendment \$ 2,017,859  
 Third Amendment \$ 1,420,849  
 This Action: \$ 3,428,442  
 Total : \$ 7,317,580

**ROUTING AND APPROVALS**

CONTRIBUTORS/REVIEWERS:	APPROVING AUTHORITY	APPROVAL SIGNATURE	DATE SIGNED
Environmental Analysis	Equal Opportunity Contracting	ORIG DEPT.	Heinrichs, Tony
Financial Management		CFO	
Grants Administration		DEPUTY CHIEF	
Liaison Office		COO	
Comptroller		CITY ATTORNEY	

		COUNCIL PRESIDENTS OFFICE			
PREPARATION OF:	<input type="checkbox"/> RESOLUTIONS	<input checked="" type="checkbox"/> ORDINANCE(S)	<input checked="" type="checkbox"/> AGREEMENT(S)	<input type="checkbox"/> DEED(S)	
<p>1. The Chief Financial Officer is authorized to transfer appropriation of \$540,000 from CIP S-00877, Torrey Pines Slope Restoration, to CIP S-00871, Replacement of the West Mission Bay Drive Bridge over San Diego River Project within Fund No. 400169, Transnet; and</p> <p>2. The Chief Financial Officer is authorized to transfer appropriation of \$500,000 from CIP S-00946, Rose Creek Bikeway, to CIP S-00871, Replacement of the West Mission Bay Drive Bridge over San Diego River Project within Fund No. 400677, Transnet; and</p> <p>3. The Mayor or his designee is authorized to execute a Fourth Amendment to the Agreement with T.Y. Lin International for design services in CIP S-00871, Replacement of the West Mission Bay Drive Bridge over San Diego River Project, in an amount not to exceed \$3,428,442 contingent upon the CFO furnishing a certificate certifying that funds necessary for expenditure are, or will be, on deposit with the City Treasurer; and</p> <p>4. The Chief Financial Officer is authorized to expend a total amount not to exceed \$3,428,442 from CIP S-00871, Replacement of the West Mission Bay Drive Bridge over San Diego River Project, of which \$ 2,742,754 is available from Fund No. 600000, Federal, Grant Fund No. 1000174-2006, and \$685,688 is available from Fund No. 400169 Transnet, for the purpose of executing this amendment to the agreement contingent upon the CFO furnishing a certificate certifying that funds necessary for expenditure are, or will be, on deposit with the City Treasurer.</p>					
STAFF RECOMMENDATIONS: Approve the Ordinance(s).					
SPECIAL CONDITIONS (REFER TO A.R. 3.20 FOR INFORMATION ON COMPLETING THIS SECTION)					
COUNCIL DISTRICT(S):		Faulconer (2) Zapf (6)			
COMMUNITY AREA(S):		Mission Bay Park, Midway-Pacific Highway Corridor, Peninsula.			
ENVIRONMENTAL IMPACT:		This action supports a Project as defined in CEQA Section 15378. The Project (West Mission Bay Drive Bridge) is under review by the Development Services Department and an environmental document (MND # 203403) has been prepared in accordance with the State CEQA Guidelines which is currently out for public review.			
CITY CLERK INSTRUCTIONS:		Upon Council approval, please return one copy of the executed Council Action, and a copy of the resolution to Nitsuh Aberra, Right of Way Design Division, MS 908A and Carnell, Project Implementation and Technical Services, MS 908A. This item is subject to Charter Section 99 (10 day published notice, approval by Ordinance and 6 votes required). This item is subject to Charter Section 99 (10 day published notice, approval by Ordinance and 6 votes required).			

**COUNCIL ACTION**  
**EXECUTIVE SUMMARY SHEET**  
CITY OF SAN DIEGO

DATE: 02/28/2012

ORIGINATING DEPARTMENT: Public Works/Engineering-ROW

SUBJECT: Replacement of the West Mission Bay Drive Bridge over San Diego River Project (Bridge No. 57C-0023) – Authorize Fourth Amendment to the Consultant Agreement.

COUNCIL DISTRICT(S): Faulconer (2) Zapf (6)

CONTACT/PHONE NUMBER: Marnell Gibson/619-533-5213, MS 908A

**DESCRIPTIVE SUMMARY OF ITEM:**

This council action will authorize the expenditure of funds for T.Y. Lin International to prepare the final design of the preferred alternative for the West Mission Bay Drive Bridge over San Diego River.

**STAFF RECOMMENDATION:**

Approve the Ordinance(s).

**EXECUTIVE SUMMARY OF ITEM BACKGROUND:**

The proposed project is located approximately 1.25 miles west of the I-5/I-8 interchange within the City of San Diego on West Mission Bay Drive between (I-8) and Sea World Drive. Spanning a distance of approximately 0.25 mile across the San Diego River, the bridge is situated between the Mission Bay Park and Sports Arena areas of the city. Within the proposed project limits, West Mission Bay Drive is classified as a six-lane primary arterial. The project segment currently has four lanes and a non-standard shoulders thus needs to be brought up to the full standards of its classification to meet capacity demands.

Although there are Class I bicycle facilities that currently exist along the San Diego River to the north and south of the bridge, narrow sidewalks and lack of roadway shoulders make it difficult for bicyclists to utilize the bridge.

The purpose of the proposed project is to provide an improved transportation link (bridge) across the San Diego River between the communities of Pacific Beach and Loma Portal/Point Loma. The existing four-lane West Mission Bay Drive Bridge (Bridge No. 57C-0023) is the gateway to the Mission Bay community and provides a vital transportation link from the freeway and Sports Arena area across the San Diego River to the Pacific Beach area and the Mission Bay Park. The proposed project will provide for the existing and projected peak hour operations by improving the roadway approaches and on-ramp and off-ramp connectors as well as providing additional lanes for through traffic. In addition, the proposed project will replace the existing four-lane bridge with a six-lane bridge configuration which consists of two parallel structures with three lanes in each direction. The additional two lanes will provide the proposed capacity that is required to meet the traffic demands of today and the future. The proposed project will also provide for multimodal (bicycle and pedestrian) access across the river and to the neighboring destinations. Hence, the proposed bridge will also provide Class I facilities, which will connect to the existing paths to the north and south of the San Diego River.

This Fourth Amendment to the Agreement is to finalize the preferred alternative into the final design.

#### FISCAL CONSIDERATIONS:

This project was identified in Fiscal Year 2011, carrying the available Transnet funds which were used for the paving contracts. The transfer of the Transnet funds back into this project is now needed in order to fund this action for PS&E (Plans, Specifications, and Estimates). These funds are available in the amount of \$500,000 from CIP S-00946, Rose Creek Bikeway and \$540,000 from CIP S-00877, Torrey Pines Slope Restoration projects, Fund no. 400169.

The total fee for providing engineering services under this Amendment is \$3,428,442. Funds for this action are available in CIP S-00871, West Mission Bay Drive Bridge over San Diego River, Fund No. 600000, Federal, \$ 2,742,754, and Fund No. 400169, Transnet, \$685,688.

#### EQUAL OPPORTUNITY CONTRACTING INFORMATION (IF APPLICABLE):

Funding Agency: Federal Highway Administration (Highway Bridge Program), and City of San Diego.

Goals: 15% Voluntary (MBE/WBE/DBE/DVBE/OBE) Sub-consultant Participation.

This agreement is subject to the City's Equal Opportunity Contracting (San Diego Ordinance No. 18173, Section 22.2701 through 22.2708) and Non-Discrimination in Contracting Ordinance (San Diego Municipal Code Sections 22.3501 through 22.3517).

Others: Work Force Report submitted. Equal Opportunity Plan is required. Staff will monitor Plan and Adherence to Nondiscrimination Ordinance.

PREVIOUS COUNCIL and/or COMMITTEE ACTION (describe any changes made to the item from what was presented at committee):

- Original Consultant Agreement, Resolution No. 293189 on May 30, 2000.
- First Amendment to Consultant Agreement, Resolution No. 296990 on September 03, 2002.
- Accepted Federal Funds, Resolution No. 301872 on September 19, 2006.
- Second Amendment to Consultant Agreement, Ordinance No. 19784 on September 16, 2008.
- Third Amendment to Consultant Agreement, Ordinance No. 20119 on January 10, 2012.

These actions will be presented to the LU&H committee on May 9, 2012.

#### COMMUNITY PARTICIPATION AND PUBLIC OUTREACH EFFORTS:

Public involvement is an integral requirement of the CEQA and NEPA approval process. Currently the project team is in the process of conducting a series of public meetings and outreach to engage the public in discussions of the bridge aesthetics and types as well as

environmental and community planning issues. Local Council member staff and community planning group leaders and local business leaders have all been invited to participate. Meetings on bridge aesthetics and types are held in an open discussion forum and will allow the public to gain an understanding of the project and also provide feedback to the team.

**KEY STAKEHOLDERS AND PROJECTED IMPACTS:**

City of San Diego, San Diego Association of Governments, CALTRANS, Federal Highway Administration, T.Y. Lin International, Rick Engineering Company, Safdie Rabines Architects, AECOM, Estrada Land Planning, Inc., Group Delta Consultants, Inc, Sea World, Ocean Beach Planning Board, Mission Beach Precise Planning Board, and Mission Bay Park Committee.

Heinrichs, Tony

Originating Department

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Deputy Chief/Chief Operating Officer

DOCKET SUPPORTING INFORMATION  
CITY OF SAN DIEGO

DATE:

**EQUAL OPPORTUNITY CONTRACTING PROGRAM EVALUATION**

April 19, 2012

SUBJECT: Replacement of the West Mission Bay Drive Bridge over San Diego River Project (Bridge No. 57-C0023) – Authorize **Fourth Amendment** to the Consultant Agreement (1472)

**GENERAL CONTRACTOR INFORMATION**

Recommended Contractor: T.Y. Lin International (Not certified)

Action Amount: **\$ 3,428,442 (Fourth Amendment)**

Original- \$344,000  
First Amendment- \$106,430  
Second Amendment- \$2,017,859  
Third Amendment- \$1,420,849

Cumulative: \$7,317,580

Funding Source: Federal-80% and City Transnet-20%

Goals: 15% Voluntary

**SUBCONTRACTOR PARTICIPATION**

**This Action**

**Cumulative**

Rick Engineering (Not Certified)	\$ 473,942.00	13.82%	\$ 1,212,112.00	16.56%
AECOM (formerly EDAW) (Not Certified)	\$ 20,000.00	0.58%	\$ 791,883.00	10.82%
Geotechnics (Not Certified)	\$ 0.00	0.00%	\$ 95,975.00	1.31%
Estrada Land Planning (SLBE/ DBE/WMBE/Hisp,Fem)	\$ 53,314.00	1.56%	\$ 232,332.00	3.17%
Safdie Rabines Architects (Not Certified)	\$ 363,810.00	10.61%	\$ 611,920.00	8.36%
AGRA Earth & Environmental (Not Certified)	\$ 0.00	0.00%	\$ 2,658.00	0.04%
Group Delta Consultants, Inc. (MBE)	\$ 234,940.00	6.85%	\$ 299,650.00	4.09%
<b>Total Certified Subcontractor Participation</b>	<b>\$ 288,254.00</b>	<b>8.41%</b>	<b>\$ 531,982.00</b>	<b>7.27%</b>
<b>Total Subcontractor Participation</b>	<b>\$1,146,006.00</b>	<b>33.43%</b>	<b>\$3,246,530.00</b>	<b>44.37%</b>

**EQUAL EMPLOYMENT OPPORTUNITY COMPLIANCE**

Equal Opportunity Required

T.Y. Lin International submitted a Work Force Report for their San Diego County employees dated October 20, 2011 indicating 53 employees. The Work Force Report Analysis reflects under representations in the following categories:

Black and Filipino in Professional  
Hispanics in Mgmt & Financial, Professional and Admin. Support  
Females in Mgmt & Financial and Professional

This agreement is subject to the City's Equal Opportunity Contracting (San Diego Ordinance No. 18173, Section 22.2701 through 22.2708), and the Non-Discrimination in Contracting Ordinance (San Diego Municipal Code Sections 22.3501 through 22.3517).

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## FOURTH AMENDMENT TO AGREEMENT

This Fourth Amendment to the West Mission Bay Drive Bridge over San Diego River Feasibility Study, contract number H031061, dated May 30, 2000 [Agreement], is hereby entered into by and between the City of San Diego [City], a municipal corporation, and T.Y. Lin International [Consultant].

### RECITALS

A. The City and Consultant [collectively referenced herein as the “Parties”] entered into the Agreement, which is on file in the Office of the City Clerk as Document No. RR-293189, to provide Professional Services for Replacement of the West Mission Bay Drive Bridge over San Diego River [Project].

B. The City desires to execute a Fourth Amendment to the Agreement for the Consultant to provide additional Professional Services, as indicated in the expanded Scope of Services [Exhibit A-4], for a compensation amount not to exceed \$3,428,442 (consisting of \$3,271,691 for the Scope of Services and \$156,751 for Additional Services) with total compensation for services provided under the Agreement not to exceed \$7,317,580.

C. Consultant desires to provide the services required under this Fourth Amendment.

NOW, THEREFORE, in consideration of the Recitals stated above and incorporated herein by this reference and the mutual obligations of the Parties expressed herein, the Parties agree to modify the Agreement, which is incorporated herein by reference, as follows:

1. Section 1.1 is amended to read as follows:

ADD: “The Consultant shall perform Professional Services as set forth in the written Scope of Services [Exhibit A-4] at the direction of the City as specifically enumerated in the Compensation Schedule [Exhibit B-4], and in accordance to the Time Schedule [Exhibit D-4].”

2. DELETE Section 2.1 in its entirety and REPLACE with the following:

“**2.1 Term of Agreement.** This Agreement shall be effective on the date it is executed by the last Party to sign the Agreement, and approved by the City Attorney in accordance with San Diego Charter Section 40. Unless otherwise terminated, it shall be effective until completion of the Scope of Services or **March 30, 2017** whichever is the earliest but not to exceed five years unless approved by City ordinance.”

3. Section 3.1 is amended to read as follows:

ADD: “The City shall pay the Consultant for all Professional Services and all expenses related to performance under this Fourth Amendment to the Agreement, in an amount not to exceed \$3,428,442 (consisting of \$3,271,691 for the Scope of Services and \$156,751 for Additional Services), as set forth in the Compensation and Fee Schedule [Exhibit B-4]. The Consultant shall be entitled to compensation for Professional Services under this Fourth Amendment to the Agreement, whether within the Scope of Services or as Additional Services, based on the Compensation and Fee Schedule. For the duration of this Fourth Amendment to the Agreement, the Consultant shall not be entitled to fees which exceed the Compensation and Fee Schedule. The total Compensation to Consultant under this Agreement shall not exceed \$7,317,580 (consisting of \$6,817,063 for the total Scope of Services, and \$500,517 for the total Additional Services).

4. Section 3.2 (additional services) is amended to read as follows:

ADD: “If the City requires additional Professional Services [Additional Services] beyond the Scope of Services performed pursuant to this Fourth Amendment to the Agreement, except for additional costs as described in Section 3 of this Agreement, the City shall pay Consultant an additional fee not to exceed \$156,751. The City and the Consultant must agree in writing upon such fee for a specific task based on the Fee Schedule prior to the Consultant beginning the Additional Services.”

5. The following attachments are incorporated herein by reference as follows: Exhibits A-4 (Scope of Services), B-4 (Compensation Schedule), D-4 (Time Schedule).

6. The Parties agree that this Fourth Amendment to the Agreement represents the entire understanding of the Consultant and the City and affects only those paragraphs referred to, and all other terms and conditions of the Agreement remain in full force and effect.

IN WITNESS WHEREOF, this Fourth Amendment to the West Mission Bay Drive Bridge over San Diego River Feasibility Study is executed by the City of San Diego acting by and through its Mayor, or his designee, pursuant to Ordinance No. \_\_\_\_\_ authorizing such execution, and by Consultant.

THE CITY OF SAN DIEGO  
Mayor or Designee

By \_\_\_\_\_

Jay Goldstone

Chief Operating Officer

Date: \_\_\_\_\_

T.Y. Lin International

By:

J.R. Clark  
Name: Clark Fernon

Title: Vice President

Date: 2/28/12

I HEREBY APPROVE the form and legality of the foregoing Amendment on this \_\_\_\_\_ day of \_\_\_\_\_, 2012.

JAN I. GOLDSMITH, City Attorney

By:

\_\_\_\_\_  
Ryan Kohut

Deputy City Attorney

## Scope of Services

### West Mission Bay Drive Bridge Replacement

*Plans, Specifications and Estimates (PS&E)*

Prepared for:

City of San Diego

Prepared by:

T.Y. Lin International

February, 2012

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#### **I. Introduction**

This Fourth Amendment to the Agreement for the West Mission Bay Drive Bridge over the San Diego River Improvements dated May 30, 2000 defines the following professional engineering services from T.Y. Lin International (TYLI):

- Prepare Draft Plans, Specifications and Estimates (PS&E)
- Prepare and circulate Final PS&E

Environmental review and documentation of the project is currently underway by the City and TYLI under separate agreements. This scope of services will provide for preliminary engineering during the environmental document phase of the project and the ultimate final design of the project upon approval of the environmental document, resulting in a set of PS&E construction documents. Construction engineering support services are not included in this scope of work.

The preliminary engineering phase consist of geotechnical field investigations and reports, bridge type selection and design, roadway design, drainage design, wet utility relocation design and dry utility coordination. All preliminary engineering will be coordinated with the current environmental review underway and the associated technical studies.

The final design phase will consist of incorporation of all review comments from the Draft PS&E into the Final Plans and submittal of the approved Final PS&E for advertising.

All plans will be submitted on City of San Diego D-Sheets (PDF format).

#### **II. Scope of Work**

Develop and complete construction plans, project specifications and a cost estimate for the construction of the West Mission Bay Drive Replacement project.

The scope of work for this phase of work is organized into the following main tasks:

100 - Project Management

100.15 - Project Management

230 - Prepare Draft Roadway PS&E

240 - Draft Structures PS&E

240.55 - Foundation Plan  
240.60 - Hydraulics Report  
240.65 - Preliminary Foundation Report  
240.75 - Structure Type Selection Evaluation and 30% Design  
240.80 - Foundation Report  
240.85 - Draft Structure Plans  
240.90 - Draft Structure Special Provisions and Cost Estimates

250 - Final Structures PS&E Package

250.55 - Final Structure Plans  
250.60 - Final Structure Special Provisions and Cost Estimate

255 - Circulate, Review and Prepare Final Roadway PS&E Package

255.10 - Updated PS&E Package  
255.15 - Environmental Reevaluation  
255.20 - Final Roadway PS&E Package  
255.40 - Resident Engineer's Pending File  
255.65 - Right of Way Certification Document

265 - Bid Support

In general, the project scope follows the Caltrans Work Breakdown System (WBS.)  
Applicable WBS tasks are described below:

## **100 Project Management**

### **100.15 Project Management - PS&E Component**

Includes the management of the PS&E component from initiation through completion. These services include initiation, planning, execution, control, and close out of the PS&E component.

#### **1 PS&E Component Initiation and Planning**

Prepare a Project Management Plan based on the work done on earlier phases of the project and with added detail for the remaining project components.

**Sub-tasks:**

- Develop charter for the PS&E component based on the environmental documentation and any supporting reports.
- Update work-plan for the PS&E component to include scope, cost, and schedule elements.
- Update Quality Management Plan for the PS&E component.
- Update Communication Management Plan for the PS&E component.
- Update Resource Management Plan (staff and procurement) for the PS&E component.

**End Product:**

Project Management Plan with changes made during earlier components and with added detail for the PS&E component and summary for the remaining project components.

2 PS&E Component Execution and Control

Coordinate people and other resources to carry out the work-plan, and ensure that the PS&E component objectives are being met by monitoring progress and taking corrective action when necessary.

**Sub-tasks:**

- Provide status updates to include reporting work results and updating and revising the work-plan.
- Communicate and distribute project records and information. This includes responses to all internal and external requests for information about the project.
- Monitor and document quality assurance/quality control.

**End Products:**

Project records, using a uniform file system

3 PS&E Component Close Out

Formally bring the PS&E component to an end.

**Sub-tasks:**

- Finalize any contracts or agreements that are completed.
- Sponsor, team, and stakeholder evaluations of the PS&E component.
- Document lessons learned from the PS&E component.
- Develop the PS&E closeout report.

**End Products:**

Lessons Learned  
Archived records

4 Project Shelving (PS&E)

Includes all efforts related to bringing a project and its associated files, designs, and other materials to neat closure at any point prior to full completion/closeout of the PS&E phase.

5 Updated Administrative Record during PS&E

Includes all efforts related to preparing or updating the Administrative Record for a project during the PS&E phase.

## **230 Prepare Draft Roadway PS&E**

Prepare draft roadway plans, specifications and estimates, which extends approximately from Olie Street on the south to approximately 650 ft north of the northerly bridge abutment. This task includes roadway design and preparation of drainage, traffic control, utility, water pollution control and landscape plans.

### **1 Draft Roadway Plans**

Prepare all plan sheets associated with the proposed roadway improvements for both 65% and 90% levels of design. These plans will include title sheet, key map and line index, profiles and superelevation sheets, construction details, contour grading plans, summary of quantities, standard plans selection, stage construction, detour plans, and water pollution control plans.

*Deliverables:* 65%, 90% draft roadway plans

### **2 Draft Planting Plans (Landscape)**

Prepare all plan sheets associated with the proposed planting to 65% and 90% levels of design. These plans will include the planting palate, plant list, irrigation plans, and irrigation quantity sheets.

*Deliverables:* 65%, 90% draft planting and irrigation plans

### **3 Draft Traffic Plans**

Prepare all plan sheets associated with the traffic plans to 65% and 90% levels of design. These plans will include signing and pavement delineation plans, construction area signs plans, traffic control, traffic phasing, and traffic electrical plans.

*Deliverables:* 65%, 90% draft signing and striping, pavement delineation, construction area signs and traffic electrical plans

### **4 Transportation Management Plan**

Develop the project's Transportation Management Plan to accompany the project PS&E.

#### **Sub-tasks:**

- Itemize capital outlay costs tied to main project as State Furnished Material and expenses using the City and Caltrans historical cost data.
- Identify Standard Special Provisions (SSPs) to be included in contract document
- Coordinate lane closures for multiple projects in the same area to determine impact on this project
- Coordinate major closures with Caltrans, and the City to determine impact on this project
- Refine/finalize traffic contingency plan pending contractor's contingency plan
- Update TMP/lane closure database

***Deliverables:*** Transportation Management Plan

5 Draft Utility Plans

Prepare all plans associated with the utility plans to 65% and 90% levels of design. These plans will include new facility plans and utility relocation plans to include two sewer lines and a water line.

***Deliverables:*** 65%, 90% draft new utility facilities and utility relocation plans

6 Draft Drainage Plans

Prepare all plans associated with the drainage plans to 65% and 90% levels of design. These plans will include plan view and profile sheets for all proposed drainage facilities.

***Deliverables:*** 65%, 90% draft drainage plans

7 Draft Specifications

Develop all Special Provisions necessary to describe the work included in the project plans. An outline of the Special Provisions shall be included with the 65% PS&E submittal, and full project Special provisions shall be included with the 90% and 100% PS&E submittals. These specifications shall include roadway, highway planting and irrigation, traffic, electrical, utility, water pollution control and erosion control specifications, as well as any other work that is depicted in the project plans.

***Deliverables:***

- 65% Submittal: Outline of project Special Provisions
- 90% Submittal: Full project Special Provisions

8 Draft PS&E Quantities and Estimates

Develop quantities and cost estimates for all work depicted in the project plans and Special Provisions. This task includes the preparation of quantities and estimates for roadway, highway planting and irrigation, drainage, traffic, electrical, utility, water pollution control, and erosion control items, along with any other items depicted in the project plans.

***Deliverables:*** 65% and 90% Quantities and Cost Estimates for all work depicted in project plans and Special Provisions

9 Structures Draft PS&E Incorporation

Plans completed in Task 240 shall be incorporated into the plan set for 65% and 90% submittals as appropriate for City of San Diego reference.

**240 Draft Structures PS&E**

The project team shall perform design services for the replacement of the West Mission Bay Drive Bridge and approach area structures consistent with the environmental document phase. Bridge design work shall include activities to bring the design to Draft PS&E (Plans, Specifications and Estimates). Design includes submittals to the City of San Diego and

Caltrans, and a response to comments. Specific Draft Structures PS&E tasks consist of the following:

#### **240.55 Draft Foundation Plan**

Prepare draft foundation plan for the selected structure. This involves the analysis and design of the structure foundations and related retaining walls. This design is based on preliminary geotechnical design data and recommendations, and will require refinement after completion of the final Structures Foundation Report.

*Deliverable:* Draft Foundation Plan as part of the Structure Type Selection Report

#### **240.60 Hydraulics Report**

Update the Preliminary Hydraulics Report developed in Amendment No. 3 to include revised pier locations and sizes, and provide recommendations that are consistent with the alternatives developed in the Type Selection Report.

#### **240.65 Update Preliminary Foundation Report**

Update Structures Preliminary Foundation Report developed in prior phases of project. Make appropriate revisions and modifications to conform with Caltrans Foundation Report Preparation Manual regarding Bridge Preliminary Foundation Report guidelines.

*Deliverable:* Updated Bridge Preliminary Foundation Report

#### **240.75 Structure Type Selection Evaluation and 30% Design**

The project team will prepare structure type selection evaluation and 30% design based on the preferred architectural concept developed as part of the Architectural Refinement Study. This task includes the preparation of the Draft General Plan, General Plan Estimate and Structure Type Selection Report. Please note that this is a continuation from Amendment No. 3.

##### **1 Type Selection Evaluation**

Based on the preferred architectural concept developed previously, the project team will evaluate structure and material types that meet project performance criteria. These types could include cast-in-place or precast concrete, prestressed concrete and steel elements. Preliminary vehicular and seismic load analysis will be performed to develop preliminary girder, cap, column, pier, abutment and foundation dimensions and related cost. Construction and long-term maintenance will be evaluated. The project team will recommend preferred structure and material types based on factors such as cost, speed of construction, and construction impacts to traffic and the surrounding environment.

## 2 Draft General Plan

Prepare the Draft General Plan (GP) sheet for the selected structure type in conformance with Caltrans Memo to Designers. This GP will feature plan, elevation and typical section views in sufficient detail to illustrate overall structural components and features.

*Deliverable:* Draft General Plan as part of the Structure Type Selection Report

## 3 General Plan Estimate

Prepare a general plan level construction cost estimate for selected structure in conformance with Caltrans Bridge Design Aids.

*Deliverable:* General Plan Estimate on standard Caltrans GP Estimate Format. This will be submitted as part of the Structure Type Selection Report

## 4 Structure Type Selection Report

A Structure Type Selection Report will be prepared in conformance with Caltrans Bridge Memo to Designers. The report will include the Draft Foundation Plan, Draft General Plan and General Plan Estimate. Issues that will be addressed include:

- Cost
- Aesthetics
- Constructability
- Impacts to traffic
- Environmental impacts

*Deliverable:* Structure Type Selection Report

## 5 30% Structures Design

The project team will perform design calculations to verify the feasibility of the selected bridge type. Geometry and details of main structural elements to include abutments, piles, piers, girders, and deck elements will be evaluated. Drawings to be developed include abutment and pier elevations, sectional plan of the piers, girder layout and any special structural details, if necessary. Details of any special architectural features such as lighting, railing and landscaping will be included.

*Deliverable:* 30% Plans (submitted to Caltrans Local Assistance and City)

## **240.80 Foundation Report**

The project team shall produce the Foundation Report. This report requires sufficient subsurface exploration to characterize geologic and geotechnical conditions for the structure. The data collected during this subsurface exploration will serve as a basis for providing recommendations that support both design and construction phases of the project. The Foundation Report will include the following:

- Project Location
- Summary of Site Geology and Subsurface Conditions
- Ground Water
- Scour Evaluation
- Corrosion Evaluation
- Seismic Study
- As-Built Foundation Data
- Foundation Recommendations
- Slope Stability Analyses
- General Notes to the Designer
- Construction Considerations

The Log of Test Borings (LOTB), which presents the description, in graphic and text format, of the types of soil and rock encountered during the subsurface exploration, will be developed for inclusion in contract plans.

*Deliverables:*

- Foundation Report
- Log of Test Borings

**240.85 Draft Structures Plans and Quantities**

Prepare Draft Structures Plans and Quantities (P&Q). The final product is draft designed, detailed and checked structural plans along with checked quantity calculations for identified contract bid items. This will be accomplished in three separate tasks.

**240.85.10 Unchecked Details**

Prepare and submit a set of unchecked bridge design plans consisting of designed and detailed plans (65% design) ready for independent check. Design will be based on Load and Resistance Factor Design (LRFD) methods, with HL-93 and permit truck design live loads. Seismic design will be in conformance with the latest Caltrans Seismic Design Criteria. Computer analysis and design programs used are to be “standard of the industry” for bridge design.

Develop a list of standard special provisions and a Specification Issues Log for the bridge items. The bridge general plan construction cost estimate will be updated to reflect any significant variations of cost from the original General Plan (GP) estimate. All drawings will be prepared in accordance with the City of San Diego drafting standards in U.S. Customary (English) units.

*Deliverables:*

- Unchecked details
- List of standard special provisions
- Specification Issues Log
- Updated GP cost estimate for bridge items only

#### 240.85.20 Draft Structures Plans

Perform an independent design check and structural analysis of the unchecked details. This check will include calculations to verify structure layout, geometry and conformance with the bridge design criteria. As part of the independent design check process, a constructability review (CR) will be performed by appropriate field staff that will provide comment. A list of independent check and CR comments, along with a resolution worksheet will be prepared. Designer and independent checker will resolve discrepancies and revise plans accordingly.

The independent checker will review the standard specifications items list and the specifications log and provide comment. These items will be revised accordingly and the construction cost estimated will be revised as needed. A memorandum to specification engineer/estimator will be developed.

Based on comments from the independent check, the design team will prepare the Draft Structures Plans (Checked Details).

##### *Deliverables:*

- Checked details
- Independent check comment-resolution form
- Memorandum to specification engineer/estimator
- Updated GP cost estimate for bridge items, as needed

#### 240.85.30 Structures Quantities

A set of quantity and check quantity calculations will be prepared in accordance with Caltrans Bridge Design Aids manual. Quantities will be reconciled to within tolerances given in the manual. These quantities will be used as the basis for the Engineer's Estimate of probable cost and the bill of quantities.

##### *Deliverables:*

- Checked quantity calculations

#### **240.90 Draft Structures Special Provisions and Cost Estimate**

A complete set of contract specifications will be provided in the City of San Diego format and incorporate Caltrans Standard Special Provisions and standard bid items to the maximum extent possible. The bridge Special Provisions will be incorporated with the City's Invitation to Bidders, agreement, and bond forms along with Caltrans/FHWA boilerplate contract documents.

An estimate of construction cost will be developed based on the checked quantities and unit prices from Caltrans, the City of San Diego and bid data collected from around the region.

To document an estimated construction schedule, a Working Day Summary will be prepared in conformance with Caltrans Office of Specially Funded Projects (OSFP) guidelines.

*Deliverables:*

- Structure Contract Item list
- Draft Special Provisions
- Cost Estimate for Structure Contract Items
- Working Day Summary

## **250 FINAL STRUCTURES PS&E PACKAGE**

Perform final design for the replacement of the West Mission Bay Drive Bridge and approach areas. Final bridge design shall include the necessary activities needed to deliver a set of approved bridge PS&E. This task includes design, detailing, specifications, estimating and related quality control/quality assurance tasks of the bridge and related structures.

### **250.55 Final Structure Plans**

Prepare Final Structure Plans which will incorporate the Draft Structures Plan review comments from the City of San Diego and Caltrans. Conduct a constructability review meeting to discuss relevant comments on the PS&E package, and revise structure plans as needed. Update Memorandum to Specifications Engineer and other items for the RE Pending file and update contract bid items and quantity calculations accordingly.

*Deliverables:*

- Final Structure Plans (submitted to Caltrans Local Assistance and City).
- Updated memorandum to specification engineer/estimator
- Updated quantity calculations

### **250.60 Final Structure Special Provisions and Cost Estimate**

Prepare the final Structure Special Provisions and cost estimate based on comments generated during review of Draft Structures PS&E and the constructability review.

*Deliverables:*

- Final Structure Special Provisions
- Updated Construction Cost Estimate

## **255 CIRCULATE, REVIEW AND PREPARE FINAL ROADWAY PS&E PACKAGE**

### **255.10 Updated PS&E Package**

Update the Draft PS&E per City and Caltrans comments and prepare the Final PS&E package.

#### *Deliverables:*

- Updated set of plans, specifications and estimate ready for final process review prior to being transmitted to the City and Caltrans.

### **255.15 Environmental Reevaluation**

Perform reevaluation of the environmental documents to determine if there are changes in any factors that might affect the validity of the project's Environmental Document (ED) Determination. Pertinent factors include, but are not limited to, changes in the project scope, identification of new issues, and changes in laws or regulations as they apply to the project. Reevaluation is required for Federal nexus projects at each project decision point and three years after completion of the ED or CE. If a supplemental document is required, WBS 165 should be used. In the event that permit renewals or extensions result in new or changed requirements, the Environmental Commitments Record, Mitigation Monitoring and Reporting Record, RE Pending File, and similar documents must also be updated.

Note: FED's are only valid for three years; consequently this activity may be required more than once.

#### **End Product:**

A determination that no Reevaluation is required. A full Environmental Reevaluation or any associated tasks is not considered part of this scope of work.

### **255.20 Final Roadway PS&E Package**

Complete the process requirements. Also includes effort to ensure the completeness, quality, and consistency of PS&E submitted to the City for processing.

#### **End Product:**

Final Roadway PS&E Package (Submitted to the City)

### **255.40 Resident Engineer's Pending File**

Prepare the Resident Engineer's (RE) Pending File. Includes preparation of an Environmental Commitments Record (or similar document), and contacts with the City's Construction Manager to transmit the file and determine any additional information that may be required. Also includes preparing and forwarding additional information (such as cross sections/as-builts/slope staking notes/grid grades/structures 4-scales) as requested by the City's Construction Manager. In terms of the environmental component of the RE Pending file, the input is a "snapshot" of the Environmental Commitments Record (ECR), or

similar document (e.g., Mitigation Monitoring and Reporting Record). The ECR (or similar) also serves as the basis for determining Environmental Certification at RTL. Any changes in PS&E after District submittal to Headquarters will require coordination with the District Environmental Branch Chief and the City's Environmental Department to make any necessary updates to the ECR, RE Pending and Environmental Certification.

Subtasks:

- 1) Verify contract special provisions cover all items of work and other contract terms in accordance with all applicable standards, laws and regulations.
- 2) Verify Engineer's Estimate is consistent with the plans and special provisions and that there is a method of payment for all contract work either by contract item or other means.
- 3) Develop a punch list of non-conforming and unresolved issues and forward to the appropriate TYLI team member for resolution.

*Deliverables:* District RE Pending File and Structures RE Pending File forwarded to the City and Caltrans Construction and Surveys Departments.

## **255.65 Right of Way Certification**

Prepare plats and legal descriptions for temporary construction easements and minor right of way boundary changes between and the City of San Diego and Caltrans. These will be used for the TCE near Olive Street and the sliver parcel on the south side of the San Diego River.

## **265 Bid Support**

Respond to bidder's inquiries throughout the advertisement and award process. Provide written responses to RFI's and develop addenda, as required. The total effort is assumed not to exceed 370 hours.

### **III. Exclusions and Assumptions**

The following services are not included as part of this proposal:

- Design support services during construction
- City and Caltrans permits and associated fees
- Preparation of Dry utility relocation plans is excluded, although the design team will coordinate with the dry utility owners, and the Bridge PS&E will include openings and supports for the dry utility conduits.
- Invitation to bidders, agreement and bond forms and all general specifications (boilerplate language to be provided by the City)
- Right of way appraisals
- It is assumed that the City will lead the Contract advertisement and Award effort and the consultant team will support that effort as needed.

### **IV. Fee**

We propose to provide the services outlined previously for a lump-sum, fixed fee of \$3,428,442 as detailed in the attached Exhibit B, "Fee Proposal." Charges for design services will be billed monthly based on the percentage of work complete. Work will not be performed in excess of our estimated fee without written authorization from the City.

### **V. Project Duration**

Design fees are based on a project duration of no more than 24 months, commencing in 2012 and ending in 2014, or to the end of the project services as required. Should the scope of work extend into subsequent years, the fees for outstanding efforts will be adjusted by 5% per year effective January 1st of each year.

**Subconsultant:** Consultant Summary  
**Activity:** All Activities

Task	Description							Labor Totals	
		TY Lin International	Rick Engineering	AECOM	Group Delta Consultants, Inc.	Estrada Land Planning	Safdie Rabines Architects	Hours	Amount
<b>100</b>	<b>Project Management</b>								
100.15	Project Management - PS&E Component	1200	216				230	1646	\$317,270
<b>230</b>	<b>Prepare Draft PS&amp;E</b>								
230.10	Draft Roadway PS&E	40	2546		116	332	24	3058	\$336,838
230.20	Draft Wet Utility Design								
230.20.1	Draft Water Design		30					30	\$3,349
230.20.2	Draft Sewer Design		53					53	\$5,978
<b>240</b>	<b>Draft Structures PS&amp;E</b>								
240.55	Foundation Plan	300						300	\$40,400
240.60	Hydraulics Report	20	92					112	\$13,916
240.65	Update Preliminary Foundation Report				146			146	\$16,830
240.75	Type Selection Evaluation & 30% Design	1220			52		735	2007	\$277,030
240.80	Foundation Report	30			478			508	\$53,890
240.85	Draft Structures Plans and Quantities				40			40	\$5,200
240.85.10	Unchecked Details	4405					744	5149	\$703,450
240.85.20	Draft Structures Plans	2640					219	2859	\$400,755
240.85.30	Structures Quantities	1540						1540	\$227,400
240.90	Draft Special Provisions and Cost Estimates	780			40			820	\$119,300
<b>250</b>	<b>Final Structures Plans</b>								
250.55	Update Structures Plans	1210			158		539	1907	\$267,035
250.60	Update Special Provisions and Cost Estimates	320						320	\$44,000
<b>255</b>	<b>Final PS&amp;E</b>								
255.10	Update PS&E Package	60	675					735	\$82,720
255.15	Environmental Reevaluation	16	82	140				238	\$32,746
255.20	Final Roadway PS&E	40	146		42	112	12	352	\$42,249
255.30	Final Wet Utility PS&E								
255.30.1	Final Water Design		17					17	\$1,761
255.30.2	Final Sewer Design		29					29	\$2,937
255.40	Resident Engineer's Pending File	500	108					608	\$85,100
255.65	Right of Way Certification		48					48	\$6,168
<b>265</b>	<b>Bid Support</b>	200	90		80			370	\$48,690
	<b>Total Hours:</b>	<b>14,521</b>	<b>4,132</b>	<b>140</b>	<b>1,152</b>	<b>444</b>	<b>2,503</b>	<b>22,892</b>	
	<b>Subtotal:</b>	<b>\$2,116,860</b>	<b>\$460,542</b>	<b>\$20,000</b>	<b>\$130,120</b>	<b>\$49,540</b>	<b>\$357,950</b>		<b>\$3,135,012</b>

ADDITIONAL SERVICES (5%) **\$156,751**

- Trips @
- Nights @
- Prints @
- Days @
- Each @
- Lump Sum @

Subtotal - REIMBURSABLE EXPENSES **\$34,679**

Subtotal - SUBCONSULTANT SERVICES **\$102,000**

<b>All Activities</b>	<b>\$3,428,442</b>
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Consultant: TY Lin International  
 Activity: Bridge Engineering

WBS Code	Description	Estimated Labor Hours							Labor Totals	
		Project Manager (Les Hopper)	Project Engineer (Jay Holombo)	Engineer (Brett Makley & Arash Monsefan)	Engineer (Pete Smith & Jared Cole)	CAD Tech (Oscar Colcol & Yi Wang)	Admin (Cathy Salas)		Hours	Amount
<b>100</b>	<b>Project Management</b>									
100.15	Project Management PS&E Component	1200							1200	\$246,000
<b>230</b>	<b>Prepare Draft PS&amp;E</b>									
230.10	Draft Roadway PS&E		40						40	\$6,400
230.20	Draft Wet Utility Design									
<b>240</b>	<b>Draft Structures PS&amp;E</b>									
240.55	Foundation Plan		60	100		140			300	\$40,400
240.60	Hydraulics Report		20						20	\$3,200
240.65	Update Preliminary Foundation Report									
240.75	Type Selection Evaluation & 30% Design		50	400	400	330	40		1220	\$169,800
240.80	Foundation Report		30						30	\$4,800
240.85	Draft Structures Plans and Quantities									
240.85.10	Unchecked Details		165	990	1150	2100			4405	\$601,000
240.85.20	Draft Structures Plans		120	750	870	900			2640	\$371,400
240.85.30	Structures Quantities		110	950	480				1540	\$227,400
240.90	Draft Special Provisions and Cost Estimates		120	220	380		60		780	\$114,100
<b>250</b>	<b>Final Structures Plans</b>									
250.55	Update Structures Plans		50	440	350	370			1210	\$170,000
250.60	Update Special Provisions and Cost Estimates		40	150	90		40		320	\$44,000
<b>255</b>	<b>Final PS&amp;E</b>									
255.10	Update PS&E Package		60						60	\$9,600
255.15	Environmental Reevaluation		16						16	\$2,560
255.20	Final Roadway PS&E		40						40	\$6,400
255.30	Final Wet Utility PS&E									
255.40	Resident Engineer's Pending File		40	150	160	150			500	\$71,000
255.65	Right of Way Certification									
<b>265</b>	<b>Bid Support</b>		40	80	40	40			200	\$28,800
	<b>Total Hours:</b>	1200	1001	4230	3920	4030	140		14521	
	<b>Rate:</b>	\$205	\$160	\$140	\$160	\$120	\$55			
	<b>Subtotal:</b>	\$246,000	\$160,160	\$592,200	\$627,200	\$483,600	\$7,700			\$2,116,860

**REIMBURSABLE EXPENSES**

Travel	500	Miles @	\$0.55	\$275
Lodging/Meals	8	Nights @	\$100.00	\$800
Plan Reproduction	500	Prints @	\$3.00	\$1,500
Photocopies	5000	Copies @	\$0.15	\$750
Postage & Freight	200	Each @	\$25.00	\$5,000
Presentation Boards	10	Each @	\$50.00	\$500

Subtotal - REIMBURSABLE EXPENSES **\$8,825**

**SUBCONSULTANT SERVICES**

- Subconsultant 1
- Subconsultant 2
- Subconsultant 3
- Subconsultant 4
- Subconsultant 5

Subtotal - SUBCONSULTANT SERVICES

<b>Total</b>	<b>TY Lin International</b>	<b>\$2,125,685</b>
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**Subconsultant:** Rick Engineering  
**Activity:** Civil Engineering

Task	Description	Estimated Labor Hours								Labor Totals		
		Principal-in-Charge (Kai Ramer)	Project Manager (Edgar Camerino)	Project Engineer (Mark Jugar)	Design Engineer (Thomas Schroeder)	Drafter (Eileen Hoag)	Survey Manager	Principal Survey Analyst (Brian Jaquess)	Project Manager (H2O) (Roberta Cronquist)	Field Supervisor	Hours	Amount
<b>100</b>	<b>Project Management</b>											
100.15	Project Management - PS&E Component	8	128	80							216	\$30,600
<b>230</b>	<b>Prepare Draft PS&amp;E</b>											
230.10	Draft Roadway PS&E	25	150	230	1540	557		4	40		2546	\$275,658
230.20	Draft Wet Utility Design											
230.20.1	Draft Water Design		7		14	9					30	\$3,349
230.20.2	Draft Sewer Design		13		26	14					53	\$5,978
<b>240</b>	<b>Draft Structures PS&amp;E</b>											
240.55	Foundation Plan											
240.60	Hydraulics Report	4	24		40	24					92	\$10,716
240.65	Update Preliminary Foundation Report											
240.75	Type Selection Evaluation & 30% Design											
240.80	Foundation Report											
240.85	Draft Structures Plans and Quantities											
240.85.10	Unchecked Details											
240.85.20	Draft Structures Plans											
240.85.30	Structures Quantities											
240.90	Draft Special Provisions and Cost Estimates											
<b>250</b>	<b>Final Structures Plans</b>											
250.55	Update Structures Plans											
250.60	Update Special Provisions and Cost Estimates											
<b>255</b>	<b>Final PS&amp;E</b>											
255.10	Update PS&E Package	8	43	55	410	150	1	4		4	675	\$73,120
255.15	Environmental Reevaluation		20		20				24		82	\$10,186
255.20	Final Roadway PS&E	2	9	15	98	22					146	\$16,019
255.30	Final Wet Utility PS&E											
255.30.1	Final Water Design		2		7	8					17	\$1,761
255.30.2	Final Sewer Design		2		13	14					29	\$2,937
255.40	Resident Engineer's Pending File	4	40		40				24		108	\$14,100
255.65	Right of Way Certification		24		24						48	\$6,168
<b>265</b>	<b>Bid Support</b>		20		40	30					90	\$9,950
<b>Total Hours:</b>		<b>51</b>	<b>482</b>	<b>380</b>	<b>2272</b>	<b>828</b>	<b>1</b>	<b>8</b>	<b>88</b>	<b>4</b>	<b>4132</b>	
<b>Rate:</b>		<b>\$175</b>	<b>\$150</b>	<b>\$125</b>	<b>\$107</b>	<b>\$89</b>	<b>\$175</b>	<b>\$120</b>	<b>\$130</b>	<b>\$130</b>		
<b>Subtotal:</b>		<b>\$8,925</b>	<b>\$72,300</b>	<b>\$47,500</b>	<b>\$243,104</b>	<b>\$73,692</b>	<b>\$175</b>	<b>\$960</b>	<b>\$11,440</b>	<b>\$520</b>		<b>\$460,542</b>

**REIMBURSABLE EXPENSES**

Travel	500	Miles	@	\$0.55	\$275
Lodging/Meals		Nights	@	\$100.00	
Plan Reproduction	2625	Prints	@	\$3.00	\$7,875
Flagging		Days	@	\$0.15	
Postage & Freight	200	Each	@	\$25.00	\$5,000
Direct Expenses	5	Lump Sum	@	\$50	\$250

Subtotal - REIMBURSABLE EXPENSES **\$13,400**

**SUBCONSULTANT SERVICES**

- Subconsultant 1
- Subconsultant 2
- Subconsultant 3
- Subconsultant 4
- Subconsultant 5

Subtotal - SUBCONSULTANT SERVICES \_\_\_\_\_

<b>TOTAL</b>	<b>Rick Engineering</b>	<b>\$473,942</b>
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Subconsultant: AECOM  
 Activity: Environmental Engineering

WBS Code	Description	Estimated Labor Hours							Labor Totals		
		Vice President	Principal (Teri Fenner)	Sr. PM (Jason Reynolds)	Analyst/Planner (Nick Larkin)	Analyst/Planner	Sr. Bio II	Sr. Bio I	Bio III	Hours	Amount
<b>100</b>	<b>Project Management</b>										
100.15	Project Management - PS&E Component										
<b>230</b>	<b>Prepare Draft PS&amp;E</b>										
230.10	Draft Roadway PS&E										
230.20	Draft Wet Utility Design										
<b>240</b>	<b>Draft Structures PS&amp;E</b>										
240.55	Foundation Plan										
240.60	Hydraulics Report										
240.65	Update Preliminary Foundation Report										
240.75	Type Selection										
240.80	Foundation Report										
240.85	Draft Structures Plans and Quantities										
240.85.10	Unchecked Details										
240.85.20	Draft Structures Plans										
240.85.30	Structures Quantities										
240.90	Draft Special Provisions and Cost Estimates										
<b>250</b>	<b>Final Structures Plans</b>										
250.55	Update Structures Plans										
250.60	Update Special Provisions and Cost Estimates										
<b>255</b>	<b>Final PS&amp;E</b>										
255.10	Update PS&E Package										
255.15	Environmental Reevaluation		40		100					140	\$20,000
255.20	Final Roadway PS&E										
255.30	Final Wet Utility PS&E										
255.40	Resident Engineer's Pending File										
255.65	Right of Way Certification										
<b>265</b>	<b>Bid Support</b>										
	<b>Total Hours:</b>		40		100					140	
	<b>Rate:</b>	\$250	\$225	\$155	\$110	\$85	\$170	\$140	\$125		
	<b>Subtotal:</b>		\$9,000		\$11,000						\$20,000

**REIMBURSABLE EXPENSES**

Travel	miles	
Lodging/Meals	Nights	
Plan Reproduction	Plan Repro	
Photocopies	copies	
Postage & Freight	each	
Records Search	Arch & Haz	
		_____
	Subtotal - REIMBURSABLE EXPENSES	

**SUBCONSULTANT SERVICES**

Subconsultant 1		
Subconsultant 2		
Subconsultant 3		
Subconsultant 4		
Subconsultant 5		
	_____	
	Subtotal - SUBCONSULTANT SERVICES	

<b>TOTAL</b>	<b>AECOM</b>	<b>\$20,000</b>
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**Subconsultant:** Group Delta Consultants, Inc.  
**Activity:** Geotechnical Engineering

WBS Code	Description	Estimated Labor Hours							Labor Totals	
		Principal Eng/Geol (Shah Ghanbari)	Eng/Geol (Jim Sanders, Matt Fagan)	Project Eng/Geol (Tom Canady)	Staff Eng/Geol (Meghan Lithgow)	Drafting (Jerry Jimenez)	Admin (Liz Schuler)	Laboratory Testing (Jan Krehbiel)	Hours	Amount
<b>100</b>	<b>Project Management</b>									
100.15	Project Management - PS&E Component									
<b>230</b>	<b>Prepare Draft PS&amp;E</b>									
230.10	Draft Roadway PS&E	6	6	30	44	30			116	\$13,460
230.20	Draft Wet Utility Design									
<b>240</b>	<b>Draft Structures PS&amp;E</b>									
240.55	Foundation Plan									
240.60	Hydraulics Report									
240.65	Update Preliminary Foundation Report	6	10	40	60	20	10		146	\$16,830
240.75	Type Selection Evaluation & 30% Design	4	8	40					52	\$7,080
240.80	Foundation Report	8	10	40	200	40	20	160	478	\$49,090
240.85	Draft Structures Plans and Quantities			40					40	\$5,200
240.85.10	Unchecked Details									
240.85.20	Draft Structures Plans									
240.85.30	Structures Quantities									
240.90	Draft Special Provisions and Cost Estimates			40					40	\$5,200
<b>250</b>	<b>Final Structures Plans</b>									
250.55	Update Structures Plans	8	10	40	60	40			158	\$18,390
250.60	Update Special Provisions and Cost Estimates									
<b>255</b>	<b>Final PS&amp;E</b>									
255.10	Update PS&E Package									
255.15	Environmental Reevaluation									
255.20	Final Roadway PS&E	2	4	10	16	10			42	\$4,930
255.30	Final Wet Utility PS&E									
255.40	Resident Engineer's Pending File									
255.65	Right of Way Certification									
<b>265</b>	<b>Bid Support</b>	4	6	40	20	10			80	\$9,940
	<b>Total Hours:</b>	<b>38</b>	<b>54</b>	<b>320</b>	<b>400</b>	<b>150</b>	<b>30</b>	<b>160</b>	<b>1152</b>	
	<b>Rate:</b>	<b>\$180</b>	<b>\$145</b>	<b>\$130</b>	<b>\$115</b>	<b>\$85</b>	<b>\$50</b>	<b>\$85</b>		
	<b>Subtotal:</b>	<b>\$6,840</b>	<b>\$7,830</b>	<b>\$41,600</b>	<b>\$46,000</b>	<b>\$12,750</b>	<b>\$1,500</b>	<b>\$13,600</b>		<b>\$130,120</b>

**REIMBURSABLE EXPENSES**

Travel	1500	Miles @	\$0.55	\$825
Lodging/Meals	4	Nights @	\$125.00	\$500
Plan Reproduction	100	Prints @	\$10.00	\$1,000
Photocopies	800	Copies @	\$0.15	\$120
Postage & Freight	15	Each @	\$25.00	\$375
Other (Specify)		Each @		

Subtotal - REIMBURSABLE EXPENSES **\$2,820**

**SUBCONSULTANT SERVICES**

Mud Rotary Drill Rig	\$65,000
Limited Access Drill Rig (Tie-Back Walls)	\$5,750
Concrete Coring	\$6,250
Traffic Control	\$25,000
Permits - Caltrans/City/County/CCC/COE	

Subtotal - SUBCONSULTANT SERVICES **\$102,000**

<b>TOTAL</b>	<b>Group Delta Consultants, Inc.</b>	<b>\$234,940</b>
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**Subconsultant:** Safdie Rabines Architects  
**Activity:** Bridge Architecture

Task	Description	Estimated Labor Hours							Labor Totals		
		Sr. Principal (Jose Ricardo Rabines)	Principal (Eric Lindebak)	Project Manager (Scott Maas)	Job Captain	Designer 3	Designer 2 (Sam Scott)	Designer 1	Draftsman (Brer Marsh)	Hours	Amount
<b>100</b>	<b>Project Management</b>										
100.15	Project Management - PS&E Component	18	71	101			40			230	\$40,670
<b>230</b>	<b>Prepare Draft PS&amp;E</b>										
230.10	Draft Roadway PS&E		6	18						24	\$4,260
230.20	Draft Wet Utility Design										
<b>240</b>	<b>Draft Structures PS&amp;E</b>										
240.55	Foundation Plan										
240.60	Hydraulics Report										
240.65	Update Preliminary Foundation Report										
240.75	Type Selection	20	70	225			120		300	735	\$100,150
240.80	Foundation Report										
240.85	Draft Structures Plans and Quantities										
240.85.10	Unchecked Details	30	69	225			120		300	744	\$102,450
240.85.20	Draft Structures Plans			99			45		75	219	\$29,355
240.85.30	Structures Quantities										
240.90	Draft Special Provisions and Cost Estimates										
<b>250</b>	<b>Final Structures Plans</b>										
250.55	Update Structures Plans	28	50	223			45		193	539	\$78,645
250.60	Update Special Provisions and Cost Estimates										
<b>255</b>	<b>Final PS&amp;E</b>										
255.10	Update PS&E Package										
255.15	Environmental Reevaluation										
255.20	Final Roadway PS&E	4	2	6						12	\$2,420
255.30	Final Wet Utility PS&E										
255.40	Resident Engineer's Pending File										
255.65	Right of Way Certification										
<b>265</b>	<b>Bid Support</b>										
<b>Total Hours:</b>		100	268	897			370		868	2503	
<b>Rate:</b>		\$250	\$200	\$170	\$150	\$135	\$120	\$110	\$95		
<b>Subtotal:</b>		\$25,000	\$53,600	\$152,490			\$44,400		\$82,460		\$357,950

**REIMBURSABLE EXPENSES**

Travel	24	Trips @	\$75.00	\$1,800
Lodging/Meals		Nights @	\$90.00	
Plan Reproduction	3700	Prints @	\$1.00	\$3,700
Flagging		Days @	\$800.00	
Postage & Freight	12	Each @	\$30.00	\$360
Other		Lump Sum @		

Subtotal - REIMBURSABLE EXPENSES **\$5,860**

**SUBCONSULTANT SERVICES**

- Subconsultant 1
- Subconsultant 2
- Subconsultant 3
- Subconsultant 4
- Subconsultant 5

Subtotal - SUBCONSULTANT SERVICES

<b>TOTAL</b>	<b>Safdie Rabines Architects</b>	<b>\$363,810</b>
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## **EXHIBIT D-4 Time Schedule**

	<b>Task Duration</b>
Task 100 – Project Management	21 Months
Task 230 – Prepare Draft PS&E	2 Months
Task 240 – Draft Structures PS&E	6 Months
Task 250 – Final Structures Plans	2 Months
Task 255 – Final PS&E	3 Months
Task 265 – Bid Support	9 Months

**The task durations commence as of the date of the Notice to Proceed for Amendment No. 4.**

Date: February, 23, 2012

PREVIOUS COUNCIL COMMITTEE ACTION:

- Original Consultant Agreement, Resolution No. 293189 on May 30, 2000.
- First Amendment to Consultant Agreement, Resolution No. 296990 on September 03, 2002.
- Accepted Federal Funds, Resolution No. 301872 on September 19, 2006.
- Second Amendment to Consultant Agreement, Ordinance No. 19784 on September 16, 2008.
- Third Amendment to Consultant Agreement, Ordinance No.20119 on January 10, 2012.

For viewing documents please contact: [Naberra@sandiego.gov](mailto:Naberra@sandiego.gov)

**The City of San Diego  
COMPTROLLER'S CERTIFICATE**

**CERTIFICATE OF UNALLOTTED BALANCE**

ORIGINATING

CC 3000004932  
DEPT. \_\_\_\_\_  
NO. 2112

I HEREBY CERTIFY that the money required for the allotment of funds for the purpose set forth in the foregoing resolution is available in the Treasury, or is anticipated to come into the Treasury, and is otherwise unallotted.

Amount: \$1,040,000.00 Fund: 400169/400677

Purpose: To authorize transfer of appropriations from Torrey Pines Slope Restoration project and Rose Creek Bikeway project to the West Mission Bay Drive Bridge Over San Diego River Project.

Date: April 16, 2012 By: James Long *James Long*  
COMPTROLLER'S DEPARTMENT

ACCOUNTING DATA									
Doc. Item	Fund	Funded Program	Internal Order	Functional Area	G/L Account	Business Area	Cost Center	WBS	Original Amount
001	400169	S00877		DEMA-00000000-TR	512117	2113		S-00877.02.05	\$540,000.00
002	400677	S00946		OTHR-00000000-TR	512117	2113		S-00946.02.05	\$500,000.00
TOTAL AMOUNT									\$1,040,000.00

FUND OVERRIDE

**CERTIFICATION OF UNENCUMBERED BALANCE**

I HEREBY CERTIFY that the indebtedness and obligation to be incurred by the contract or agreement authorized by the hereto attached resolution, can be incurred without the violation of any of the provisions of the Charter of the City of San Diego; and I do hereby further certify, in conformity with the requirements of the Charter of the City of San Diego, that sufficient moneys have been appropriated for the purpose of said contract, that sufficient moneys to meet the obligations of said contract are actually in the Treasury, or are anticipated to come into the Treasury, to the credit of the appropriation from which the same are to be drawn, and that the said money now actually in the Treasury, together with the moneys anticipated to come into the Treasury, to the credit of said appropriation, are otherwise unencumbered.

Not to Exceed: \_\_\_\_\_

Vendor: \_\_\_\_\_

Purpose: \_\_\_\_\_

Date: \_\_\_\_\_ By: \_\_\_\_\_  
COMPTROLLER'S DEPARTMENT

ACCOUNTING DATA									
Doc. Item	Fund	Funded Program	Grant	Functional Area	G/L Account	Business Area	Cost Center	WBS	Original Amount
TOTAL AMOUNT									

FUND OVERRIDE