

PROFESSIONAL SERVICES AGREEMENT

THIRD AMENDMENT

THIS THIRD AMENDMENT TO THE PROFESSIONAL SERVICES AGREEMENT ("Third Amendment") is effective as of this 16th day of August, 2018, by and between **THE CITY OF EMERYVILLE**, a municipal corporation, ("City") and Biggs Cardosa Associates, Inc. ("Consultant"), collectively referred to as the "Parties."

WITNESSETH THAT

WHEREAS, the City and Consultant entered into a Professional Services Agreement ("Agreement") effective November 3, 2015, whereby Consultant is to prepare South Bayfront Pedestrian Bicycle Bridge Plans Update; and

WHEREAS, it is now necessary to revise the scope of work to include additional professional engineering design services to support some design modifications and design services during construction; and

WHEREAS, the City wishes to amend the Agreement to include the additional services; and

WHEREAS, the City finds that specialized knowledge, skills, and training are necessary to render the services necessary to do the work contemplated under this Third Amendment; and

WHEREAS, the City has determined that the Consultant is qualified by training and experience to render such services; and

WHEREAS, the Consultant desires to provide such services and has submitted a proposal dated May 8, 2018, with the approved proposal attached and incorporated as Exhibit A; and,

WHEREAS, the public interest will be served by this Third Amendment; and

NOW, THEREFORE, the Parties hereto do mutually agree as follows:

- A. Section I.B of the Agreement ("Services") is hereby amended to include the scope of services described in Exhibit A.

FOR CITY USE ONLY			
Contract No.	18030-0315-PW01	CIP No.	16475006
Resolution No.	18-110	EPW No.	N/A

- B. Section III.B of the Agreement ("Compensation and Method of Payment") is hereby amended to reflect payment based on the additional services described in Exhibit A, and to increase the total compensation under the Agreement. The section shall now read:

The amount paid under this Agreement as compensation for Services performed and reimbursement for costs incurred shall increase by **EIGHT HUNDRED FORTY EIGHT THOUSAND, FOUR HUNDRED DOLLARS AND NO CENTS (\$848,400.00)** for a total compensation amount not, in any case, to exceed **ONE MILLION, TWO HUNDRED FORTY-NINE THOUSAND, ONE HUNDRED FORTY DOLLARS AND NO CENTS (\$1,249,140.00)**, except as outlined in Section II.C above. The compensation for Services performed shall be as set forth in Exhibit A. Reimbursement for costs incurred shall be limited as follows. Long distance telephone and telecommunications, facsimile transmission, normal postage and express mail charges, photocopying and microcomputer time shall be at cost. Supplies and outside services, transportation, lodging, meals and authorized subcontracts shall be at cost plus no more than a 10% administrative burden. Automobile mileage shall be no more than the current deductible rate set by the Internal Revenue Service.

- C. Section I.A of the Agreement is hereby amended to include the scope of work as described in Exhibit A.
- D. Section I.C of the Agreement is hereby amended to terminate on June 30, 2020.
- E. All other provisions of the Agreement shall remain in full force and effect, and this Third Amendment shall remain subject to said promises.
- F. The Effective Date of this Third Amendment is the date on which the Third Amendment is executed on behalf of the City.

WAIVER OF AGREEMENT

The City's failure to enforce any provision of this Third Amendment or the waiver in a particular instance shall not be construed as a general waiver of any future breach or default.

IN WITNESS WHEREOF the City and the Consultant have executed this Third Amendment, which shall become effective as of the date the City Manager executes this Third Amendment on behalf of the City.

Approved As To Form:

Michael A. Guina
Michael A. Guina, City Attorney

CITY OF EMERYVILLE

Dated: 8/16/18, 2018

Charles S. Byrum
for James Holgersson, Interim City Manager

CONSULTANT

Dated: July 02, 2018

BY: M. Hamms
ITS: Principal

**BIGGS CARDOSA
ASSOCIATES INC**
STRUCTURAL ENGINEERS

865 The Alameda
San Jose, CA 95126-3133
Telephone 408-296-5515
Facsimile 408-296-8114

January 31, 2018
Revised April 9, 2018
2nd Revision May 8, 2018
2007073.6

City of Emeryville
1333 Park Avenue
Emeryville, CA 94608

Attention: Mr. Todd Teachout

Subject: South Bayfront Pedestrian Bicycle Bridge
Design Services During Construction

Dear Todd:

Biggs Cardosa Associates, Inc. is pleased to submit this proposal to provide construction support services for the construction phase of the South Bayfront Pedestrian Bicycle Bridge Project including Horton Landing Park. We are very excited to see this amazing project come together. It will be an icon for the City of Emeryville for a long, long time.

The construction support services include providing project management and administration, pre-bid revisions to the plans/specifications, bid support services, preparing conform plans/specifications, attending construction meetings, reviewing contractor submittals and RFI's, assisting with change orders, clarifying the contract documents, observing work at the project site, and preparing record drawings. Additional details regarding this work are described in the following:

Task 0 – Project Management / Administration:

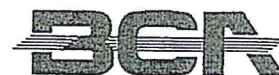
This task includes preparation of monthly invoices for this work, coordination with the City, the construction manager, and our subconsultants including project documentation and correspondence. Our effort for this work is based on the following understanding of the project schedule:

1. Pre-bid effort from May 2018 thru August 2018.
2. Bid phase from September 2018 thru November 2018.
3. Construction support services from December 2018 thru May 2020.

Task 1 – Pre-Bid Revisions to the Plans and Specifications:

Subtask 1A – City of Emeryville Comments:

Prior to the project advertisement for bidding, an updated set of plans and specifications will be prepared to incorporate various comments. The document updates will consider the comments provided by the City's engineering and maintenance staff. Additionally, the updates will include minor changes to the landscaping design, as needed, to address the Bay Friendly project requirements. As part of this work, the design documents will be signed and the "NOT FOR CONSTRUCTION" notes will be removed. This work also includes some updates to the plans and specifications to address coordination issues regarding environmental and archeological input on the contract documents.



Subtask 1B – Design Revisions per City Comments and CR Comments:

An additional contingency budget has been established for the incorporation of three comments:

- Implementation of electrical receptacles on the stairs, ramps, and the main bridge.
- Implementation of a lighting design change for the stairs, ramps, and the main bridge.
- Implementation of a potable water system on the stairs, ramps, and the main bridge.

The contingency budget allowed for these design revisions is \$45,000. This contingency budget is estimated to be adequate for implementation of two of the three items indicated by the bullet points above. However, the exact scope of work associated with these items has not yet been established. The scoping effort for these items is included in the Task 1A effort that we have estimated (see above).

Lastly, we have included a \$20,000 allowance to address the constructability review (CR) comments from the Construction Management consultant.

Subtask 1C – Park Addition for UPRR Sliver Parcel:

As requested by the City of Emeryville, Biggs Cardosa Associates has included design engineering and landscaping services for a park addition to the project. The City is coordinating the purchase of a parcel of property from Union Pacific Railroad (UPRR). As part of this property acquisition, the design team will provide the following services for this park addition:

1. Assist the City with the UPRR agreement.
2. Review the existing data and information on the existing bridge to be acquired as part of the property purchase from UPRR.
3. Perform a bridge inspection and prepare a bridge inspection and structure survey report.
4. Prepare preliminary concepts for the park addition and the bridge modification. This concept phase work will include a cost estimate.
5. Prepare draft construction documents and a cost estimate. The construction documents will be prepared as a modification to the existing plans and specifications; the updated documents will combine this park addition into the contract documents as one package. The cost estimate for the park addition will be kept separate for the City's tracking purposes.
6. Prepare an updated C.3 Storm Water permit application. The park addition will be incorporated into the project's storm water permit application.
7. Perform a quality control check of the bridge modifications.
8. Incorporate comments on the draft construction documents. Comments are anticipated from the City, the County, Bay Friendly, and the quality control check team.
9. Prepare final construction documents and a cost estimate for the park addition.

For additional details on the conceptual pathway layout for the park addition and other details on this work effort, please refer to the various attachments included with this letter.

Task 2 – Bid Support Services:

The services included in the bid phase include the following:

- Clarification of the design documents;
- Providing information in response to bidders' questions regarding the bid documents;



- Attendance at the Pre-Bid Meeting and other meetings, as requested;
- Preparation of support information for addenda; and
- Assist the City in review of the bids, as requested.

Task 3 – Prepare Conformed Plans and Specifications:

After the bid phase has been completed, a conformed set of plans and specifications will be prepared for the construction phase. Any changes identified during the bid phase will be incorporated into the updated documents. Updated documents will be issued with approval signatures.

Task 4 – Site/Construction Meetings:

Attend construction meetings to answer questions raised during construction related to the work. Attendance at these meetings will occur at the request of the City or the construction manager. It is anticipated that the meetings will occur at the construction site or at the City's office; a total of 40 meetings have been allocated for this task.

Task 5 – Submittal Review:

Assist the City during construction by checking working drawings, material submittals, and other submittals that relate to the structural, civil, landscaping, and electrical improvements. The required submittals are identified by the project specifications. Attached is a list of the submittals that are anticipated to be reviewed by our design team.

Task 6 – Clarify Contract Documents, Respond to RFI's, and Change Orders:

Assist the City during construction by clarifying and interpreting contract documents to ensure that the project is constructed in general conformance with the plans and specifications, and review and respond to RFI's. Additionally, provide advice and technical support for construction change orders to the plans and special provisions and prepare change order documentation to include, where appropriate, changes in plans and special provisions.

Task 7 – Site/Construction Observation:

Observe the construction work for conformance with the contract documents, shop drawings, and other project requirements. It is estimated that site observations will include four hours per week for twelve months. Any discrepancies or deviations from the approved documents will be brought to the immediate attention of the inspector and/or to the City's representative.

Task 8 – Project Close-out / Record Drawings:

Assist the City in closing out the project by preparing record drawings for the completed construction work. The preparation of the record drawings will be based on a mark-up set of drawings to be provided by the contractor based on the revisions made during construction. One full-sized set of the revised plans will be provided for the City's records as well as a CD containing the AutoCAD files for the plans.

Additional Information & Fee:

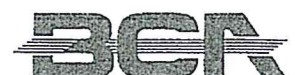
The attached proposals from our subconsultants (HNTB Corporation, Callander Associates, Parikh Consultants, Zeiger Engineers, and Sandis) provide additional details for the scope of work involved for this construction support services phase of the project. Therefore, our construction support services shall include structural, civil, landscaping, electrical, surveying, and geotechnical services. Additionally, the attached spreadsheets show the estimated effort associated with each task as well as a breakdown of the summary of fees. Biggs Cardosa Associates proposes to provide these services, as described, by requesting a fee of \$848,400 to be compensated on a time and materials basis.

Our construction support services fee proposal represents our best estimate of the costs involved. Since construction support services costs are highly dependent on the contractor's proficiency and performance and the overall construction schedule, the final cost may be above or below that estimated in this proposal. Therefore, we recommend that the City of Emeryville establish a contingency budget for construction support. We will not exceed the requested fee without your prior authorization.

Based on our understanding of the work performed by others, the following tasks are not included in our proposal for the construction phase:

- a. Construction management
- b. Construction administration
- c. Foundation construction oversight
- d. Construction staking
- e. Environmental oversight
- f. Archeological oversight
- g. Permit or other agreement compliance
- h. Inspection services (including quality assurance)
- i. Materials testing (including concrete testing)
- j. Geotechnical testing
- k. Final observation & punch list
- l. Structural analysis related to construction sequence/method
- m. Design changes (except as noted in Task 1).

Biggs Cardosa Associates can provide a proposal for any of these other construction services (items a thru m) at the City's request.



City of Emeryville
January 31, 2018
Revised April 9, 2018
2nd Revision May 8, 2018
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Should you have any questions, please do not hesitate to call.

Sincerely,

BIGGS CARDOSA
ASSOCIATES, INC.



Mahvash Harms, S.E.
Principal

Attachments

cc: Martin Bodemar, Biggs Cardosa Associates

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Amendments\0_Project_Update_June_2015\Revised_Const_Supp\April_2018_Update\Const_Supp_Letter_R3.doc

SUBMITTAL LIST

Project Name: South Bayfront Ped/Bike Bridge

Job Number: 2007073.6

Submittal Number	Reviewed By	Description	Notes / Comments	Estimated Hours			
				Principal	Engineer, Manager	Senior Engineer	Admin.
1	ENV / S & C	Storm Water Pollution Prevention Plan					
2	ENV / S & C	Health and Safety Plan					
3	ENV / S & C	Remediation Work & Import Fill Submittal					
4	BCA / S & C	Precast Concrete Quality Control Plan			4	8	1
5	BCA / S & C	Welding Quality Control Plan		1	4	8	1
6	BCA / S & C	Various Certificates of Compliance (Bearings, Joint Seals, etc.)			8	8	1
7	S & C	Scaffolding Working Drawings					
8	BCA / S & C	Construction Schedules	BCA will review only first two submittals	2	6		0.5
9	S & C	Debris Containment and Collection Program					
10	BCA / S & C	Bridge Removal Plan			4	8	0.5
11	BCA	Reconstruct Metal Bridge Railing Submittal (Garage Bridge)	S & C may perform a cursory review		3	6	0.5
12	BCA / S & C	Excavation Shoring and Cofferdam Working Drawings	UPRR review required	1	6	12	1
13	BCA / S & C	Earth Retaining System Working Drawings	Novartis & UPRR review required	1	9	12	1
14	BCA / S & C	Pile Driving System Submittal			4	4	0.5
15	S & C	Pile Driving Safety Plan	UPRR review may be required				
16	BCA	Post-Tensioning Shop Drawings	S & C may perform a cursory review	1	6	12	1
17	BCA	Precast Prestressed Concrete Slab Working Drawings	S & C may perform a cursory review	1	10	20	1
18	BCA / S & C	Pile Working Drawings			6	12	0.5
19	BCA / S & C	Falsework Submittals (Calculations & Drawings) - 5 Sets	Primary Review by S & C	2	40	60	3
20	BCA / S & C	Camber Strip Submittals (Calculations & Drawings) - 4 Sets	Primary Review by S & C	1	12	18	0.5
21	BCA	Permanent Steel Deck Form Working Drawings	S & C may perform a cursory review		3	6	0.5
22	S & C	Concrete Coring Working Drawings					
23	BCA	Reinforcing Steel Shop Drawings	S & C may perform a cursory review				
	BCA	West Ramp (Footings, Columns, Abut, Stairs, Deck, & Curb)		1	28	40	3
	BCA	Main Bridge (Footings, Columns, Bent Caps, Deck, & Curb)		1	20	30	3
	BCA	East Ramp (Footings, Columns, Abut, Deck, & Curb)		1	24	36	3
	BCA	West Stairs (Footings, Columns, Abut, Deck, & Curb)		1	16	24	2
	BCA	Garage Bridge (Deck)			8	12	0.5
	BCA	East Stairs (Footings, Column, Abut, Deck, & Curb)		1	16	24	1
	BCA	East Creek Bridge (Abut, Deck, & Curb)		1	12	18	1
	BCA	Culvert			4	6	0.5
24	BCA / S & C	Construction Sequence Plan	UPRR review required	2	20	40	2
25	BCA / S & C	Temporary support, bracing, and falsework Submittal (Main Bridge)	UPRR review required	2	12	18	1

SUBMITTAL LIST

Project Name: South Bayfront Ped/Bike Bridge
Job Number: 2007073.6

Submittal Number	Reviewed By	Description	Notes / Comments	Estimated Hours			
				Principal	Engineer, Manager	Senior Engineer	Admin.
26	BCA / S & C	Structural Steel Working Drawings		2	20	30	1
	BCA / S & C	Main Bridge					
	BCA / S & C	Garage Bridge			6	12	0.5
27	BCA / S & C	Deck Cable Assembly Working Drawings					
28	BCA / S & C	Painting Quality Work Plan		2	6	10	0.5
29	BCA	Decomposed Granite Submittal		1	4	4	0.5
30	BCA	Electrical and Lighting Submittals	S & C may perform a cursory review		1		
31	S & C	Insurance & Bonding Submittals	S & C may perform a cursory review	1	8		0.5
32	S & C	List of Material Sources	UPRR & Kinder Morgan review required				
33	S & C	Traffic Control Plans					
34	BCA / S & C	Watering Schedule Program					
35	BCA / S & C	Irrigation System Working Drawings			1		
36	S & C	Asphalt Aggregate Grading	Bay Street review?		1		
37	S & C	Assembly of Bar Reinforcing Steel Exceeding 20 feet (safety)					
38	BCA / S & C	Rebar Hoop Splice Quality Control		1	2	4	0.5
39	BCA / S & C	Mechanical Coupler Submittal		1	2	4	0.5
40	S & C	Splice Prequalification Report Submittal					
41	BCA / S & C	Steel Bolt Submittals		1	4	6	0.5
42	BCA / S & C	Reinforced Concrete Pipe Submittals			1		
43	BCA	Railing Working Drawings	S & C may perform a cursory review	2	24	36	1
44	BCA	Miscellaneous Metal Submittals	S & C may perform a cursory review	1	6	12	0.5
45	BCA	Concrete Mix Design Submittals	S & C may perform a cursory review	1	12	24	2
46	BCA / S & C	Concrete Protection Method Submittals		1	4	4	0.5
47	S & C	Sample Material Submittals (Bearings, Joint Seals, etc.)					
48	BCA	Bridge Drainage System Working Drawings	S & C may perform a cursory review	1	6	12	1
49	BCA	Soil Amendment Submittals			1		
50	BCA	Soil Sterilant Submittal			1		
51	BCA	Herbicide Submittal			1		
52	BCA	Fence Submittals			1		
53	BCA	Site Furnishings Submittals			1		
54	BCA	Horticultural Soil Analysis			1		
55	BCA	Top Soil Testing Submittal	S & C may perform a cursory review		1		
Subtotal Hours				35	400	600	40

SUMMARY OF FEES BY TASK

City of Emeryville
South Bayfront Ped/Bike Bridge
Design Services During Construction

1/30/2018

Revised 4/09/2018

Second revision 5/08/2018

COMPANY	Biggs					Sands	Subtotal Fees
	Cardosa Associates Corporation	HNTB	Callander Associates	Parikh Consultants	Zeiger Engineers		
Construction Support Services Tasks							
Task 0 - Project Management/Administration	\$49,620	\$19,968	\$0	\$0	\$0	\$0	\$69,588
Task 1 - Pre-Bid Revisions to Plans & Specifications	\$108,549	\$123,323	\$24,898	\$1,150	\$4,976	\$6,227	\$269,121
Subtask 1A - City of Emeryville Comments	\$30,579	\$41,229	\$6,846	\$1,150	\$876	\$6,227	\$86,906
Subtask 1B - Contingency (Allowance for Lighting/Receptacles/Water/CR)	\$33,000	\$30,000	\$0	\$0	\$2,000	\$0	\$65,000
Subtask 1C - Park Addition for UPRR Silver Parcel	\$44,970	\$52,094	\$18,052	\$0	\$2,100	\$0	\$117,215
Task 2 - Bid Support Services	\$8,040	\$8,350	\$3,633	\$205	\$139	\$0	\$20,366
Task 3 - Prepare Conformd Plans and Specifications	\$8,722	\$9,795	\$3,316	\$0	\$311	\$3,003	\$25,147
Task 4 - Site/Construction Meetings	\$45,228	\$7,984	\$3,423	\$1,796	\$0	\$0	\$58,430
Task 5 - Submittal Review	\$168,701	\$47,222	\$5,993	\$2,205	\$771	\$0	\$224,892
Task 6 - Clarify Contract Document, Respond to RFI's, and Change Order Support	\$41,041	\$16,754	\$6,636	\$1,796	\$943	\$0	\$67,170
Task 7 - Construction Observation	\$37,495	\$0	\$7,921	\$1,796	\$943	\$0	\$48,154
Task 8 - Prepare Record Drawings	\$31,979	\$18,181	\$3,316	\$1,134	\$0	\$0	\$54,609
Reimb.	\$6,595	\$1,247	\$2,999	\$0	\$8	\$74	\$10,923
Sub-Total Fees:	\$505,969	\$252,824	\$62,135	\$10,080	\$8,090	\$9,303	\$848,400

Note 1: Subconsultant's fees include 5% mark up.

Note 2: CR indicates constructibility review.

Note 3: Task 1 costs include the sum of Subtasks 1A thru 1C.

SUMMARY OF HOURS BY TASK

City of Emeryville
South Bayfront Ped/Bike Bridge
Design Services During Construction

1/30/2018

Revised 4/09/2018

Second revision 5/08/2018

COMPANY	Biggs					Parikh	Zeiger	Sandis	Subtotal Hours
	Cardosa	HNTB	Callander	Associates	Consultants				
Construction Support Services Tasks									
Task 0 - Project Management/Administration	250	120	0		0		0	0	370.0
Task 1 - Pre-Bid Revisions to Plans & Specifications	677	609	177		8		29	30	1,530.0
<i>Subtask 1A - City of Emeryville Comments</i>	194	204	50		8		5	30	491.0
<i>Subtask 1B - Contingency (Allowance for Lighting/Receptacles/Water/CR)</i>	199	145	0		0		12	0	356.0
<i>Subtask 1C - Park Addition for UPRR Silver Parcel</i>	284	260	127		0		12	0	683.0
Task 2 - Bid Support Services	48	38	26		1		1	14	128.0
Task 3 - Prepare Conformd Plans and Specifications	58	50	23		0		2	0	133.0
Task 4 - Site/Construction Meetings	260	28	21		8		0	0	317.0
Task 5 - Submittal Review	1075	240	37		10		4	0	1,366.0
Task 6 - Clarify Contract Document, Respond to RFI's, and Change Order Support	244	80	41		8		5	0	378.0
Task 7 - Construction Observation	230	0	49		8		5	0	292.0
Task 8 - Prepare Record Drawings	216	96	23		7		0	0	342.0
Sub-Total Hours:	3058	1261	397		50		46	44	4,856.0

Note 1: CR indicates constructibility review.

Note 2: Task 1 hours include the sum of Subtasks 1A thru 1C.

BCA FEES & HOURS BY TASK

City of Emeryville

South Bayfront Ped/Bike Bridge

Design Services During Construction

1/30/2018

Revised 4/09/2018

Second revision 5/08/2018

CATEGORY

AVERAGE HOURLY RATE

BIGGS CARDOSA ASSOCIATES, INC.

Construction Support Services Tasks

Task 0 - Project Management/Administration

Task 1 - Pre-Bid Revisions to Plans & Specifications

Subtask 1A - City of Emeryville Comments

Subtask 1B - Contingency (Allowance for Lighting/Receptacles/Water/CR)

Subtask 1C - Park Addition for UPRR Silver Parcel

Task 2 - Bid Support Services

Task 3 - Prepare Conformed Plans and Specifications

Task 4 - Site/Construction Meetings

Task 5 - Submittal Review

Task 6 - Clarify Contract Documentation, Respond to RFIs, and Change Order Support

Task 7 - Construction Observation

Task 8 - Prepare Record Drawings

Reimb.

	Principal \$283.92	Engineering Manager \$176.20	Senior Eng. \$141.96	CADD Drafter \$130.70	Admin. \$77.67	Subtotal Hours	Subtotal Fee
	70	160	0	0	20	250	\$49,620
	32	293	220	100	12	677	\$108,549
	8	80	60	40	6	194	\$30,579
	10	115	45	25	4	199	\$33,000
	14	98	115	35	2	284	\$44,970
	6	16	20	4	2	48	\$8,040
	4	8	24	20	2	58	\$8,722
	20	160	80	0	0	260	\$45,228
	35	400	600	0	40	1075	\$168,701
	30	80	100	30	4	244	\$41,041
	10	100	120	0	0	230	\$37,495
	8	40	100	60	8	216	\$31,979
							\$6,595
Sub-Total Biggs Cardosa Assoc., Inc.:	247	1550	1484	314	100	3058	\$505,969

BCA FEES & HOURS BY ITEMS OF WORK

City of Emeryville

South Bayfront Ped/Bike Bridge

Park Addition for UPRR Silver Parcel

5/8/2018	CATEGORY AVERAGE HOURLY RATE	Principal \$283.92	Engineering Manager \$176.20	Senior Eng. \$141.96	Project Eng. \$133.59	CADD Drafter \$130.70	Admin. \$77.67	Subtotal Hours	Subtotal Fee
BIGGS CARDOSA ASSOCIATES, INC.									
	Item 1: Project Management and Administration	2	18	4	0	0	2	26	\$4,463
	Item 2: Project Coordination (with Team and City)	2	24	12	0	0	0	38	\$6,500
	Item 3: Additional Meeting Effort	0	12	0	0	0	0	12	\$2,114
	Item 4: Assist City with UPRR Agreement	0	4	4	0	2	0	10	\$1,534
	Item 5: Park Addition Design (Including Bridge Modification)	8	32	76	16	26	0	158	\$24,234
	Review Existing Data and Information	1	6	14	0	0	0	21	
	Bridge Inspection and Structure Survey Report	1	8	24	0	0	0	33	
	Prepare Preliminary Concepts Including Cost Estimate	2	12	20	0	16	0	50	
	Draft Contract Documents & Cost Estimate	2	6	18	0	10	0	36	
	Quality Control Check	2	0	0	16	0	0	18	
	Item 6: Finalize Park Addition Design (Including Bridge Modif.)	2	8	19	4	7	0	40	\$6,124
Sub-Total Biggs Cardosa Assoc., Inc.:		14	98	115	20	35	2	284	\$44,970

Notes:

The bridge modification effort assumes crack repairs, spall repair, overhang modification, and fence removal will be needed.

Design Services During Construction

HNTB CORPORATION

Sub-Total HNTB Corporation:

Const_Supp_R3.xlsx

South Bayfront Pedestrian Bridge
HNTB Work Directive Amendment 03 Scope of Work:
Additional City Comments, Bid Support Services, and Construction Support Services

Scope:

- Task 0.0 Project Management/Administration
 - 24-month duration, anticipated from May 2018 - April 2020.
- Task 1.0 Pre-Bid Revisions to Plans & Specifications
 - Anticipated NTP is 5/9/18, with approximately two months for coordination and implementation.
 - Revised plans and specifications will be submitted as electronic PDF files.
 - Task 1.1.1: Address the following City comments:
 - ES2: Adjust leader line
 - C9: Clarify grade break in path profile
 - C10: Adjust pen weights for existing elevation labels, delete note regarding grate elevation relative to adjacent ground (note is not applicable to all inlets, treatment details identify grate elevations 6" above treatment surface).
 - C11: Revise sidewalk slope at base of West Stair to match cross slope of stairs (likely only behind main sidewalk, which will conform to existing at 2%), slotted cross drains will not be added
 - C12: Revise path cross slope at base of East Stair to match cross slope of stairs, clarify sidewalk cross slope transition at node at bottom of East Ramp, slotted cross drains will not be added
 - C13: Revise beginning of swale to inside of project limits, revise contour linetype outside of project limits
 - C15: Revise note number in callout
 - C16: Fix SD linetype
 - C20: Add sharrows to Ohlone Dr between Bay St and Shellmound St, create new viewport to show additional sharrows
 - E6: Add column for total quantity of luminaires to be installed on stairs, ramps, and bridge
 - Remove "Not for Construction" label on all drawings listed above.
 - No revisions, except removal of "Not for Construction" label, for the following drawings: G3, G4, ES0, ES1, ES3-ES5, D1, C3, C4, C8, C14, C17, C21, C22, E2, E3, E6, and E7.
 - Task 1.1.2: Investigate feasibility of adding electrical receptacles (do not implement) at top and bottom of stairs, ramps, and bridge
 - Calculate increases to electrical load and compatibility with proposed panels
 - If feasible, recommend spacing and frequency of receptacles on ramps and bridge, with input from City on requirements
 - Task 1.1.3: Investigate up to two (2) LED luminaire fixture options that may provide some facial illumination, consider City requested color and safety glass, recommend fixture and provide illumination calculations to confirm fixture spacing. Note that appropriate facial lighting is

South Bayfront Pedestrian Bridge
HNTB Work Directive Amendment 03 Scope of Work:
Additional City Comments, Bid Support Services, and Construction Support
Services

subjective, as IES does not provide vertical illumination criteria for walkways.

- Task 1.1.4: Investigate feasibility of adding potable water supply and associated fixtures for wash-down hoses and pressure washer feeds, recommend spacing and frequency of fixtures, with input from City on requirements
- Task 2.0 Bid Support Services
 - Anticipated bid period will be September 2018 - October 2018
 - Prepare up to two addenda for revisions to plans and/or specifications based on questions from bidders
- Task 3.0 Prepare Conformed Plans and Specifications
 - Plans and specifications will be conformed for revisions made as addendum during the bid period, following completion of the bid period. Bid period is expected to conclude in late October 2018.
 - Up to 20 of 28 drawings are assumed to need revisions.
 - Conformed Plans and Specifications will be submitted as electronic PDF files.
- Task 4.0 Site/Construction Meetings
 - Attend up to five on-site and/or construction meetings (assume 4 hours/meeting)
- Task 5.0 Submittal Review
 - Assume up to forty (40) civil/bridge lighting submittal reviews. Assume half of submittals will be resubmitted one time for second review.
 - Review of the following Contractor submittals are assumed to be conducted by the Construction Manager, and are excluded from this scope: Temporary Construction, Construction Means and Methods, Quality Control Plans, Testing of Delivered Materials, Construction Material Sampling or Testing, Field Test Procedures, Water Pollution Control, and Environmental Stewardship.
- Task 6.0 Clarify Contract Documents, Respond to RFIs, and Change Order Support
 - Assume up to twenty (20) RFI reviews and responses. RFIs for clarification only, not for review and approval of Contractor's alternative means and methods. Each RFI to be responded to only once.
- Task 7.0 Construction Observation
 - Not Applicable, see Exclusions.
- Task 8.0 Prepare Record Drawings
 - Record Drawing updates will be revised to the redlines prepared by the Contractor.
 - Record Drawings will be submitted as electronic PDF files.
- Tasks 4.0 - 8.0 will occur during the construction period. Construction period is anticipated to be 18 months, from November 2018 - April 2020.
- All fees will be for Time & Materials to the amount shown, services upon request.

**South Bayfront Pedestrian Bridge
HNTB Work Directive Amendment 03 Scope of Work:
Additional City Comments, Bid Support Services, and Construction Support
Services**

Exclusions:

- Revisions to the C.3 Stormwater Permit Application, including attachments and exhibits, are not anticipated and are not included.
- Travel of Electrical Engineer(s) from Washington to California is not included.
- Construction observations for elements designed by HNTB will be performed by the Construction Manager, and are not included in this proposal.

MAIL/FEDEX	\$	100
REPROGRAPHICS	\$	400
TRAVEL AND SUBSISTENCE	\$	-
VEHICLES	\$	500
SUB TOTAL ODC's		\$1,000
Profit Margin		10%
Total ODC's	\$	1,100
Amendment Total		\$162,511

**WORK DIRECTIVE
SUMMARY**



South Bayfront Pedestrian Bridge Bid Documents - Phase 2

TASK	WORK ITEMS	JOB HOURS								TOTAL
		HNTB								
		PIC	QA Manager	Task Manager	Senior Technical Advisor	Project Engineer	Engineer II	Project Analyst		
1	Task Management - Phase 2	1	4	2	0	0	0	6	13	
2	100% Final PS&E - Phase 2	0	0	25	10	26	90	0	151	
3	Prepare Bid Ready PS&E - Phase 2	0	0	19	9	16	52	0	96	
	SUB-TOTAL (Hours)	1	4	46	19	42	142	6	260	
	Hourly Rate	\$125.61	\$102.34	\$103.67	\$96.41	\$74.19	\$48.93	\$33.51		
	Multiplier	2.5920	2.5920	2.5920	2.5920	2.5920	2.5920	2.5920		
	Subtotal Labor Cost	\$ 326	\$ 1,061	\$ 12,360	\$ 4,748	\$ 8,076	\$ 18,011	\$ 521	\$45,104	
	Profit Margin	10%	10%	10%	10%	10%	10%	10%		
	TOTAL LABOR COST	\$358	\$1,167	\$13,596	\$5,223	\$8,884	\$19,812	\$573	\$49,614	
							ODC		\$80	
							Profit Margin		10%	
							TOTAL O.D.C.		\$88	
							Total		\$49,702	

Assumptions:

Design:

Additional services requested by City of Emeryville/Blaas Cardosa Associates to update drawings for new pathway on property.

Assumptions:
Design:
 Additional services requested by City of Emeryville/Biggs Cardosa Associates to update drawings for new pathway on property to be acquired by the City from UPRR on the east side of the railroad tracks.
 Asphalt bicycle trail, 10' wide, ADA compliant;
 HNTB has a right to rely on information provided by Biggs Cardosa;
 HNTB is not anticipating providing retaining wall design;
 HNTB is not anticipating providing lighting design;
 HNTB is not anticipating providing agency coordination

Emeryville_South_Bayfront_Bridge_Phase_2_20180421

MAIL/FED EX	
REPROGRAPHICS	\$ 40
TRAVEL AND SUBSISTENCE	
VEHICLES	
SUB TOTAL ODC's	\$40
Profit Margin	10%
Total ODC's	\$ 44
Task Total	\$28,239

Emeryville_South_Bayfront_Bridge_Phase_2_20180421 3 of 4 HNTB Corporation

TASK 2.2 - DETAIL SUMMARY

HNTB - Bay Area									
WORK ITEMS		PIC	QA Manager	Task Manager	Senior Technical Advisor	Project Engineer	Engineer II	Project Analyst	TOTAL
2.2	Prepare Bid Ready PS&E - Phase 2								
2.2.1	Comment Resolution (including meeting)			2	1	2	2		7
2.2.2	Update Key Map, Survey Control, Easements, Utility 2 Plans			1		2	6		9
2.2.3	Update Layout 2 Plan and Prepare New Profile Plan			2		4	12		18
2.2.4	Update Grading and Drainage 3 Plan			8	4	4	20		36
2.2.5	Update Specifications			1		2			3
2.2.6	Update Construction Cost Estimate			1		2	4		7
2.2.7	Update C3 Stormwater Permit Application			4	4		8		16
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CALLANDER ASSOCIATES FEES & HOURS BY TASK

City of Emeryville

South Bayfront Ped/Bike Bridge

Design Services During Construction

1/30/2018

Revised 4/09/2018

Second revision 5/08/2018

CATEGORY

AVERAGE HOURLY RATE

CALLANDER ASSOCIATES, INC.

	Principal \$200.00	Project Manager 2 \$142.00	Designer 2 \$113.00	Const. Manager \$153.00	Subtotal Hours	Subtotal Fee
Construction Support Services Tasks						
Task 0 - Project Management/Administration	0	0	0	0	0	\$0
Task 1 - Pre-Bid Revisions to Plans & Specifications	10	98	69	0	177	\$23,712
Subtask 1A - City of Emeryville Comments	2	24	24	0	50	\$6,520
Subtask 1B - Contingency (Allowance for Lighting/Receptacles/Water/CR)	0	0	0	0	0	\$0
Subtask 1C - Park Addition for UPRR Silver Parcel	8	74	45	0	127	\$17,192
Task 2 - Bid Support Services	2	12	12	0	26	\$3,460
Task 3 - Prepare Conform Plans and Specifications	1	8	8	6	23	\$3,158
Task 4 - Site/Construction Meetings	1	0	0	20	21	\$3,260
Task 5 - Submittal Review	1	0	0	36	37	\$5,708
Task 6 - Clarify Contract Document, Respond to RFI's, and Change Order Support	1	0	0	40	41	\$6,320
Task 7 - Construction Observation	1	0	0	48	49	\$7,544
Task 8 - Prepare Record Drawings	1	8	8	6	23	\$3,158
Reimb.						\$2,856
Sub-Total Callander Associates:	18	126	97	156	397	\$59,176



Callander Associates

Landscape Architecture

Via Email

March 23, 2018

ADDITIONAL SERVICES AUTHORIZATION #5

TO: Martin Bodemar
865 The Alameda, San Jose, CA, 95126
mbodemar@biggscardosa.com

Phone: (408) 296-5515
Fax: (408) 296-8114

RE: SOUTH BAYFRONT PEDESTRIAN BRIDGE / final revisions and construction admin

Dear Martin,

The major components of this proposal of additional services are (1) one final round of plan revisions and (2) services through the bidding and construction phases of the project.

Final plan revisions will be made in response to the comments provided by you in an e-mail dated March 19, 2018. Comments were provided on the three attached documents titled; 'pages from SBF_IFB_Set' (pdf), 'SBBridge_OperationsmasterList'(xls) and 'JMB_Comments' (pdf). We will respond to the landscape comments.

Construction Admin Services would be provided during the bidding and construction period. These services would be provide on an as requested basis. For estimating purposes we have assumed 4 hours per week for a period of nine months for our construction manager with limited support from other staff.

These services would be provided on this project in accordance with our agreement dated June 13th, 2017 with the exception that our 2018 fee schedule (attached) would be in effect and are considered an amendment thereto:

5.5 FINAL REVISIONS AND CONSTRUCTION ADMIN

- 5.5.1 Pre-Bid Revisions to Plans and Specifications:** Revisions to the contract documents as noted in the first paragraph above, and proposed substitutions and provide responses to the City.
- 5.5.2 Bid and Construction Period Services:** Review submittals, shop drawings, assist in responding to inquiries during the bidding period. Prepare clarifications, change orders, record documents and other deliverables. Visit the site to review the construction for general conformance to the design intent.

BURLINGAME
1633 Bayshore Highway, Suite 133
Burlingame, CA 94010
T 650.375.1313
F 650.344.3290

SAN JOSE
300 South First Street, Suite 232
San Jose, CA 95113
T 408.275.0565
F 408.275.8047

GOLD RIVER
12150 Tributary Point Drive, Suite 140
Gold River, CA 95670
T 916.985.4366
F 916.985.4391

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Sustain
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Compensation

5.5.1	Pre-Bid Revisions to Plans and Specifications (lump sum)	\$6,520
5.5.2	Bid and Construction Period Services (hourly with a suggested budget of)	\$32,608
	Reimbursable Expenses (allowance)	\$1,956

Total Estimated Compensation\$41,084

Schedule

Callander Associates will commence with the above services upon receipt of a signed contract.

Signatures

Landscape Architect



3-23-18

A. Mark Slichter, ASLA, Principal date
Callander Associates Landscape Architecture, Inc.

Attachments: ASA #5 Task Matrix, 1 page, March 23, 2018
Standard Schedule of Compensation, San Jose, 2018

ASA #5 Task Matrix
South Bayfront Pedestrian Bridge
 March 23, 2018

Callander Associates' Personnel and Rates											
Phase	Description	Principal @ \$200		Proj Manager 2 @ \$142		Designer 2 @ \$113		Construction Man. @ \$153		CA Fees	
		hrs	\$'s	hrs	\$'s	hrs	\$'s	hrs	\$'s	hrs	\$'s
5.5	Final Revisions and Constuction Admin										
5.5.1	Pre-Bid Revisions to Plans and Specifications	2.0	\$ 400.00	24.0	\$ 3,408.00	24.0	\$ 2,712.00	-	\$ -	50.0	\$ 6,520.00
5.5.2	Bid and Construction Period Services	8.0	\$ 1,600.00	28.0	\$ 3,976.00	28.0	\$ 3,164.00	156.0	\$ 23,868.00	220.0	\$ 32,608.00
		10.0	\$ 2,000.00	52.0	\$ 7,384.00	52.0	\$ 5,876.00	156.0	\$ 23,868.00	270.0	\$ 39,128.00

Standard Schedule of Compensation 2018 San Jose

General

The following list of fees and reimbursable expense items shall be used in providing service in the agreement. These amounts shall be adjusted in January, upon issuance of an updated Standard Schedule of Compensation:

Hourly Rates

Principal	\$200/hour
Senior Associate	\$183/hour
Associate	\$173/hour
Senior Project Manager	\$157/hour
Project Manager 1	\$150/hour
Project Manager 2	\$142/hour
Construction Manager	\$153/hour
Job Captain	\$131/hour
Designer 1	\$123/hour
Designer 2	\$113/hour
Assistant Designer	\$100/hour
Project Administrator	\$105/hour
Accounting	\$126/hour

Reimbursable Expenses

All costs for photography, printing and plotting, special delivery, insurance certificate charges, charges for waivers of subrogation, local business licenses, sales taxes, assessments, fees, mileage, all CADD and visual simulation ancillary costs, such as data transfers, tapes and outside services, and all other costs directly related to the project will be billed as a reimbursable expense at our cost plus a fifteen percent (15%) administration charge. The cost of professional liability insurance and all costs associated with cell phones, electronic mail, faxes, long distance phone charges and related telecommunications shall be charged as a combined surcharge of 2.5% on the total fees.

Payments

Payments are due within ten days after monthly billing with amounts more than thirty days past due subject to a 1.5% per month interest charge. Retainer amounts, if indicated, are due upon signing the agreement and shall be applied to the final invoice for the project.



Via E-mail

April 26, 2018

ADDITIONAL SERVICES AUTHORIZATION #6

TO: Mr. Martin Bodemar, P.E.
Biggs Cardosa Associates, Inc.
865 The Alameda
San Jose CA 95126

Phone: (408) 296-5515
Fax: (408) 296-8114

RE: SOUTH BAYFRONT PEDESTRIAN BRIDGE / incorporation of additional area

We understand the City is moving ahead with the purchase of Union Pacific property on the park side of the pedestrian bridge (hereafter referred to as the 'property'). Acquiring this property allows the City to provide a pathway connection to future developments to the south. This proposal is for the design of improvements on the property and incorporation of those improvements into the overall project documents.

Below are our assumptions, which form the basis of our proposal. In the event that any of these assumptions are invalid, we will need to address the additional work involved.

- Supplemental topographic and boundary survey will be furnished to us by the City.
- Stormwater C.3 calculations and documentation for the property will be addressed by the Civil Engineer. Callander Associates will coordinate with the Civil Engineer to identify locations, sizes and types of stormwater treatment areas for incorporation into the landscape plans.
- Bay Friendly Landscape enhancements are required.
- The extent of the property acquisition is indicated on the attached Project Limits Diagram.
- Sheets requiring revision are limited to: C2, C6, C18, L2, L5, and L8.
- Soil Remediation work will be addressed by others.
- Any required structural calculations will be performed by BCA.
- Presentation of concepts to Parks and Recreation Committee and City Council are excluded.
- Bay Friendly coordination efforts are limited to a single pre-bid submittal, one conference call to discuss comments, and one final bid submittal.

These services would be provided on this project in accordance with our agreement dated November 16, 2015 and considered an amendment thereto, with the exception that our 2018 fee schedule (attached) would be in effect.

BURLINGAME
1633 Bayshore Highway, Suite 133
Burlingame, CA 94010
T 650.375.1313
F 650.344.3290

SAN JOSE
300 South First Street, Suite 232
San Jose, CA 95113
T 408.275.0565
F 408.275.8047

RANCHO CORDOVA
12150 Tributary Point Drive, Suite 140
Gold River, CA 95670
T 916.985.4366
F 916.635.9153

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Scope

5.6 INCORPORATION OF ADDITIONAL AREA

- 5.6.1 **Park Design Kick-Off Meeting:** Attend start-up meeting with you and City staff to discuss goals, schedule and budget expectations for improvements to the acquired property. Meeting agenda and summary to be prepared by Biggs Cardosa Associates (BCA).
- 5.6.2 **Base Information:** Compile supplemental topo survey, development plans for adjacent parcels showing pathway connections and other base files as needed to prepare an updated project background for project team.
- 5.6.3 **Preliminary Concepts:** Prepare up to two preliminary concepts using updated project base at a scale of 1"=20'. Concepts to be hand-drawn, labeled and color rendered illustrating proposed improvements for each concept. Materials, finishes and furnishings will generally match or be complementary to improvements shown previously. Cost estimates will be prepared for each preliminary concept.
- 5.6.4 **Staff Review Meeting:** Present preliminary concepts and cost estimates in a meeting with you and City staff to solicit input.
- 5.6.5 **Pre-Bid Package:** Address comments on preferred preliminary concept and incorporate into overall project documents. Provide one complete pre-bid package for review by the City, County, and Bay Friendly Landscapes.
- 5.6.6 **Conference Call:** Discuss comments on pre-bid package with you and City staff.
- 5.6.7 **Final Bid Package:** Based on comments received, develop plans, specifications and estimate into a final bid-ready package.

Compensation

5.6	Incorporation of Additional Area (hourly with a suggested budget of)	\$17,192
	Reimbursable Expenses (allowance)	\$900
Total Compensation		\$18,092

Additional Services Authorization #6

RE: SOUTH BAYFRONT PEDESTRIAN BRIDGE/ incorporation of additional area

April 26, 2018

Page 3

Schedule

If you have any further thoughts or questions, please call. Should this proposal be acceptable to you, please have a copy signed and returned as our agreement and authorization to proceed.

Signatures

Landscape Architect

Agreed and authorized to proceed
for Biggs Cardosa Associates, Inc.:

 4/26/18

A. Mark Slichter, ASLA, Principal
Callander Associates
Landscape Architecture, Inc.

(authorized representative) (date)

Attachments: *Project Limits Diagram*, dated 4/26/18, totaling one page
Standard Schedule of Compensation 2018 San Jose, totaling one page





Callander Associates

Landscape Architecture

Standard Schedule of Compensation 2018 San Jose

General

The following list of fees and reimbursable expense items shall be used in providing service in the agreement. These amounts shall be adjusted in January, upon issuance of an updated Standard Schedule of Compensation:

Hourly Rates

Principal	\$200/hour
Senior Associate	\$183/hour
Associate	\$173/hour
Senior Project Manager	\$157/hour
Project Manager 1	\$150/hour
Project Manager 2	\$142/hour
Construction Manager	\$153/hour
Job Captain	\$131/hour
Designer 1	\$123/hour
Designer 2	\$113/hour
Assistant Designer	\$100/hour
Project Administrator	\$105/hour
Accounting	\$126/hour

Reimbursable Expenses

All costs for photography, printing and plotting, special delivery, insurance certificate charges, charges for waivers of subrogation, local business licenses, sales taxes, assessments, fees, mileage, all CADD and visual simulation ancillary costs, such as data transfers, tapes and outside services, and all other costs directly related to the project will be billed as a reimbursable expense at our cost plus a fifteen percent (15%) administration charge. The cost of professional liability insurance and all costs associated with cell phones, electronic mail, faxes, long distance phone charges and related telecommunications shall be charged as a combined surcharge of 2.5% on the total fees.

Payments

Payments are due within ten days after monthly billing with amounts more than thirty days past due subject to a 1.5% per month interest charge. Retainer amounts, if indicated, are due upon signing the agreement and shall be applied to the final invoice for the project.

PARIKH CONSULTANTS FEES & HOURS BY TASK

City of Emeryville

South Bayfront Ped/Bike Bridge

Design Services During Construction

1/30/2018

Revised 4/09/2018

CATEGORY AVERAGE HOURLY RATE	Project Manager \$270.00	Senior Project Engineer \$195.00	Draftsperson \$105.00	Subtotal Hours	Subtotal Fee
PARIKH CONSULTANTS					
Construction Support Services Tasks					
Task 0 - Project Management/Administration	0	0	0	0	\$0
Task 1 - Pre-Bid Revisions to Plans & Specifications	1	1	6	8	\$1,095
Task 2 - Bid Support Services	0	1	0	1	\$195
Task 3 - Prepare Conformd Plans and Specifications	0	0	0	0	\$0
Task 4 - Site/Construction Meetings	2	6	0	8	\$1,710
Task 5 - Submittal Review	2	8	0	10	\$2,100
Task 6 - Clarify Contract Document, Respond to RFI's, and Change Order Support	2	6	0	8	\$1,710
Task 7 - Construction Observation	2	6	0	8	\$1,710
Task 8 - Prepare Record Drawings	1	2	4	7	\$1,080
Reimb.					\$0
Sub-Total Parikh Consultants:	10	30	10	50	\$9,600



PARIKH

Practicing in the Geosciences

Geotechnical ■
Environmental ■
Materials Testing ■
Construction Inspection ■

Biggs Cardosa & Associates
865 The Alameda
San Jose, CA 95126

November 28, 2017
Job No.: 207146.CON

Attn.: Mr. Martin Bodemar

Sub: Cost Estimate for South Bayfront Pedestrian/Bicycle Bridge Project - Construction
Support (On-Call Services), City of Emeryville, CA

Dear Mr. Bodemar:

As requested, we are providing the cost estimate for construction support of the South Bayfront Pedestrian/Bicycle Bridge Project in the City of Emeryville, California.

Based on our communications, the City has selected S&C Engineers as the construction manager for the project. It is our understanding that S&C Engineers will provide service for the routine daily operation including pile installation observation and earthwork compaction/testing. Our role of support will be on an on-call basis. Our scope of work may consist of attending site/construction meetings if necessary, review of contractor submittals, response to RFI's, and response to contractor's questions during pile installation, earthwork compaction and retaining wall construction on an as-needed basis. In addition, we will prepare as-built Log of Test Borings sheets for construction record files.

Based on the above discussions, we recommend the following hours as a place-holder budget:

Senior Project Engineer 30 hrs @ \$195/hr (est.)	\$ 5,850.00
Project Manager 10 hrs @ \$270/hr (est.)	\$ 2,700.00
Draftsperson 10 hrs @ \$105/hr (est.)	\$ 1,050.00
	\$ 9,600.00

This estimate is based on the above assumptions. The actual costs could be lower or higher than the estimate depending upon the requested services and the contractor's schedule. Our services will be provided in accordance with our fee schedule on a time and materials basis.

Very truly yours,
PARIKH CONSULTANTS, INC.

Y. David Wang, Ph.D., P.E., 52911
Principal

{S:\ONJGOING PROJECTS\DW\207146 SOUTH BAYFRONT}

ZEIGER ENGINEERS FEES & HOURS BY TASK

City of Emeryville

South Bayfront Ped/Bike Bridge

Design Services During Construction

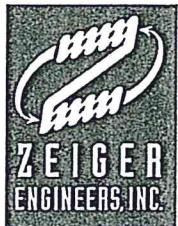
1/30/2018

Revised 4/09/2018

Second revision 5/08/2018

CATEGORY
AVERAGE HOURLY RATE

ZEIGER ENGINEERS, INC.		Principal \$242.00	Electrical Designer \$164.00	CAD Operator \$132.00	Subtotal Hours	Subtotal Fee
Construction Support Services Tasks						
Task 0 - Project Management/Administration		0	0	0	0	\$0
Task 1 - Pre-Bid Revisions to Plans & Specifications		4	16	9	29	\$4,739
Subtask 1A - City of Emeryville Comments		1	2	2	5	\$834
Subtask 1B - Contingency (Allowance for Lighting/Receptacles/Water/CR)		1	8	3	12	\$1,905
Subtask 1C - Park Addition for UPRR Silver Parcel		2	6	4	12	\$2,000
Task 2 - Bid Support Services		0	0	1	1	\$132
Task 3 - Prepare Conformed Plans and Specifications		0	1	1	2	\$296
Task 4 - Site/Construction Meetings		0	0	0	0	\$0
Task 5 - Submittal Review		1	3	0	4	\$734
Task 6 - Clarify Contract Document, Respond to RFI's, and Change Order Support		1	4	0	5	\$898
Task 7 - Construction Observation		1	4	0	5	\$898
Task 8 - Prepare Record Drawings		0	0	0	0	\$0
Reimb.						\$8
Sub-Total Zeiger Engineers, Inc.:		7	28	11	46	\$7,705



ZEIGER ENGINEERS, INC.

478 3RD STREET, OAKLAND, CALIFORNIA 94607

TEL: (510) 452-9391

FAX: (510) 452-0661

www.zeigerengineers.com

December 7, 2017

Revised March 20, 2018

Martin Bodemar, PE
Biggs Cardosa Associates
865 The Alameda
San Jose, CA 95126

Re: South Bayfront Pedestrian Bridge, Emeryville
Bidding and Construction Period Services

Dear Martin:

We propose to furnish the necessary electrical engineering services for the referenced project for a total fee in the amount of \$3,800.00 (three thousand eight hundred dollars and no cents). Compensation shall be on an hourly basis per our current billing rate schedule. See attachment.

Scope of Services shall include reviews of bids, normal construction phase services for office consultation, submittal reviews, review of contractor's questions, issuing of supplemental information, and allowance for one rough inspection and one final inspection.

Preparation of record or As-Built drawings were not included in basic work but can be prepared as an Additional Service when authorized in writing.

Please call me should you require any additional information.

Sincerely,

ZEIGER ENGINEERS, INC.

Ronald Zeiger, PE
President



ZEIGER ENGINEERS, INC.

478 3RD STREET, OAKLAND, CALIFORNIA 94607

TEL: (510) 452-9391

FAX: (510) 452-0661

www.zeigerengineers.com

BILLING RATE SCHEDULE

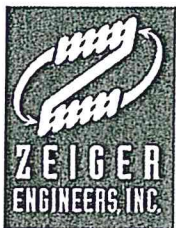
Applicable for the period of **January 1, 2018 through December 31, 2018**

Principals	\$242.00
Senior Engineers	\$218.00
Engineers	\$194.00
Electrical Designer	\$164.00
CAD Operator	\$132.00
Jr. CAD Operators	\$97.00
Expert Witness	\$431.00
Administrative	\$124.00

Applicable for the period of **January 1, 2019 through December 31, 2019**
Rate increase to be 5%

Applicable for the period of **January 1, 2020 through December 31, 2020**
Rate increase to be 5%

Applicable for the period of **January 1, 2021 through December 31, 2021**
Rate increase to be 5%



ZEIGER ENGINEERS, INC.

478 3RD STREET, OAKLAND, CALIFORNIA 94607

TEL: (510) 452-9391

FAX: (510) 452-0661

www.zeigerengineers.com

August 9, 2016

Dave Rubin

Callander Associates Landscape Architecture, Inc.

300 South First Street, Ste. 232

San Jose, CA 95113

RE: Horton Landing Park, City of Emeryville
Additional Service #3

Dear Dave:

We are requesting an Additional Service fee in the amount \$2,000.00 (two thousand dollars and no cents) due to the City's purchase of additional property expanding the project limits. The expanded area will require additional path lights and consideration of increased circuit capacity to support lights installed in future phases to be installed along the path.

Please call me should you have any questions or require any additional information.

Sincerely,
ZEIGER ENGINEERS, INC.

Ronald Zeiger, PE
President

SANDIS FEES & HOURS BY TASK

City of Emeryville

South Bayfront Ped/Bike Bridge

Design Services During Construction

4/9/2018

CATEGORY	Survey Project Manager \$200.00	2-Person Survey Crew \$295.00	Project Surveyor \$135.00	Surveying Technician \$105.00	Subtotal Hours	Subtotal Fee
SANDIS						
Construction Support Services Tasks						
Task 0 - Project Management/Administration	0	0	0	0	0	\$0
Task 1 - Pre-Bid Revisions to Plans & Specifications & Surveying Support	4	12	4	10	30	\$5,930
Task 2 - Bid Support Services	0	0	0	0	0	\$0
Task 3 - Prepare Conformd Plans and Specifications & Surveying Support	2	6	2	4	14	\$2,860
Task 4 - Site/Construction Meetings	0	0	0	0	0	\$0
Task 5 - Submittal Review	0	0	0	0	0	\$0
Task 6 - Clarify Contract Document, Respond to RFI's, and Change Order Support	0	0	0	0	0	\$0
Task 7 - Construction Observation	0	0	0	0	0	\$0
Task 8 - Prepare Record Drawings	0	0	0	0	0	\$0
Reimb.						\$70
Sub-Total Sandis:	6	18	6	14	44	\$8,860

Request for Additional Services



SANDIS

CIVIL ENGINEERS
SURVEYORS
PLANNERS

Client Name: Biggs Cardosa Associates

Request Reference: Email

Contact: Martin Bodemar

Date of Request: 3/7/2018

Email / Phone: mbodemar@BiggsCardosa.com

Submitted by: Jose Guzman

Project: 216012 South Bayfront Pedestrian Bridge

Phase: 216012.08 – Drain Inlet and 2 Additional Mob's

Scope Requested: See Below

- Drain Inlet staking
- 2 Additional Mobilizations

This is an additional service and will be billed on a time and materials basis in accordance with the attached Standard Hourly Charge Rates. All other terms and conditions of the original contract will apply.

Estimated Budget:

\$8,860.00

THIS IS AN ESTIMATE ONLY AND IS SUBJECT TO CHANGE BASED ON EXISTING FIELD CONDITIONS/SITE READINESS AND/OR PLAN REVISIONS.

* Client Signature

* PLEASE SIGN ABOVE AND EMAIL TO JGUZMAN@SANDIS.NET AND YZHOU@SANDIS.NET TO EXPEDITE SERVICES REQUESTED.

SANDIS STANDARD HOURLY CHARGE RATES

Enforced: September 1, 2017 through August 31, 2018

ENGINEERING SERVICES / QSD & QSP SERVICES
Hourly Rate

Project Specialist/Clerical		\$90.00
Computer/Field/Engineer Technician	Level 1	\$95.00
	Level II	\$105.00
	Level III	\$110.00
Sr. Engineer Technician		\$130.00
Design Engineer	Level 1	\$100.00
	Level II	\$110.00
	Level III	\$115.00
Project Engineer/Traffic Engineer	Level 1	\$120.00
	Level II	\$135.00
	Level III	\$150.00
Engineering Project Manager Level 1		\$175.00
Engineering Project Manager Level 2		\$200.00
Associate Principal/Senior Project Manager/Senior Traffic Engineer		\$225.00
Principal		\$350.00
Forensic Review/Analysis/Claim Support		\$250.00

SURVEYING SERVICES / HIGH DEFINITION SCANNING/ 3-D MODELING SERVICES

Computer/Surveying/Scanning Technician	Level 1	\$95.00
	Level II	\$105.00
	Level III/Steel Draft Person	\$110.00
Project Surveyor/Scanning Specialist	Level 1	\$120.00
	Level II	\$135.00
	Level III/Steel Draft Person	\$150.00
Steel Office Support (LSIT)		\$175.00
Survey Manager Level 1 / Steel Office Support (PLS)		\$175.00
Survey Project Manager Level 2		\$200.00
Senior Field Survey Supervisor/AISC, Steel Supervisor		\$225.00
Senior Survey Manager		\$225.00
1-Person Survey Crew		\$215.00
2-Person Survey Crew		\$295.00
2-Person Survey Crew for Structural Steel Surveys		\$295.00
2-Person Survey Crew with Apprentice		\$355.00
3-Person Survey Crew		\$370.00

REIMBURSABLE COSTS: Printing, monuments, materials, outside services and consultants, courier/delivery services, express/overnight mail, travel/per diem, agency fees advanced, etc., at cost plus 10%.

OVERTIME: All overtime charges are invoiced on the basis of one and one-half times the above rates. Double time invoiced at two times above rates.

ESCALATION: Escalation for future years shall be at a minimum of 3.5% increase per year.

Sandis at its sole discretion may utilize its subsidiaries (BSI) to perform the services presented in this proposal. Bryant Survey Inc.