

AGENDA ITEM NO.	1 E
COUNCIL MEETING	4/7/2009
APPROVED BY	
	
DEPARTMENT DIRECTOR	
CITY MANAGER	

April 7, 2009

FROM: PATRICK N. WIEMILLER, Director 
Public Works Department

BY: EFREN BAÑUELOS, Assistant Director 
Public Works Department, Capital Management Division

SUBJECT: APPROVE AN AGREEMENT WITH BIGGS CARDOSA ASSOCIATES, INC., IN THE AMOUNT OF \$474,900, FOR DESIGN AND CONSTRUCTION SUPPORT SERVICES FOR THE REHABILITATION OF THE MONTEREY STREET BRIDGE (COUNCIL DISTRICT 3)

KEY RESULT AREA

One Fresno

RECOMMENDATION

Staff recommends approval of an agreement with Biggs Cardosa Associates, Inc., in the amount of \$474,900, for design and construction support services for the rehabilitation of the Monterey Street Bridge and to allow the Public Works Director, or his designee, to sign the agreement on the City's behalf.

EXECUTIVE SUMMARY

After an inspection by Caltrans noted structural concerns, the City closed the Monterey Bridge for public safety reasons. Staff received Statements of Qualifications and conducted interviews of three engineering firms and have chosen Biggs Cardosa Associates to prepare the construction documents for the improvements. The City has received funds from the Highway Bridge Program to utilize for the rehabilitation of the Monterey Street Bridge.

KEY OBJECTIVE BALANCE

This contract balances the three Key Objectives of Customer Satisfaction, Employee Satisfaction and prudent Financial Management. The Customer Satisfaction objective is addressed by opening an important link that connects traffic from Golden State Boulevard to the downtown core. Employee Satisfaction objectives are met by improving traffic flow in the area. Financial Management objectives are met as the project is supported by grant funding thereby minimizing the impact to the City's General Fund.

BACKGROUND

The Monterey Street Overhead and Separation was built by the State of California in 1948 and connects Golden State Boulevard with Broadway Street, spanning G Street, the Southern Pacific Railroad tracks and H Street. In 1964, upon completion of State Highway 99, the bridge was relinquished to the City.

In 2004, an inspection by Caltrans staff determined major structural damage had occurred to the bridge columns at specific locations. The report also noted that concrete along the base of the column has shown weakness. This was evident by numerous areas where the outer layer of concrete had separated from the column exposing the structural reinforcing steel. As a result of this inspection and report by Caltrans, the City Engineer closed the bridge to all traffic for public safety.

After the bridge was closed, a structural engineer was hired to perform an evaluation on the condition of the bridge and make repair recommendations. The structural engineer found numerous problems and noted some areas needing to be addressed immediately. The area of biggest concern is the lack of seismic stability due to age. A seismic analysis was performed and indicated that seismic movement of the structure will result in severe damage to the bridge.

Three structural engineering firms were interviewed and Biggs Cardosa Associates, Inc., was the selected consultant. Biggs Cardosa Associates, Inc., is a local structural engineering firm that has the needed experience to design the necessary modifications and prepare the construction documents that will enable the bridge to be re-opened to traffic.

This project will be funded, in part, by the Federal Highway Bridge Program. As a requirement of this program and the amount of the consultant's fee for the rehabilitation of the bridge, an audit is required. Typically, Caltrans will perform these audits; but were not able to in this case. As a result, the City hired a private CPA firm with the expertise to perform the audit. The findings of the audit were satisfactory and it enabled the City to move forward with entering into an agreement with Biggs Cardosa Associates, Inc.

The project scope will include the preparation of plans and construction documents to allow the Monterey Bridge to be re-opened to traffic. The consultant services will include civil and structural engineering, geotechnical services, environmental services and construction support. Staff negotiated a fee of \$416,900 for this work. A contingency in the amount of \$58,000 is included with this contract to provide assistance to staff for completing the Federal forms associated with the funding and negotiating with the Union Pacific Railroad Company. This contingency also includes an amount for the preparation of additional reports that may be required to obtain Caltrans approval of the design. The services associated with the contingency will be completed on an as-needed basis.

Staff recommends approval of an agreement with Biggs Cardosa Associates, Inc., in the amount of \$474,900, for the design of the rehabilitation of the Monterey Street Bridge and to allow the Public Works Director, or his designee, to sign the agreement on the City's behalf.

FISCAL IMPACT

See attached.

FISCAL IMPACT STATEMENT

PROGRAM: PW00442, Monterey Street Bridge Rehabilitation

<u>RECOMMENDATION</u>	<u>TOTAL OR CURRENT</u>	<u>ANNUALIZED COST</u>
Direct Cost	<u>\$474,900</u>	<u> </u>
Indirect Cost	<u>52,000</u>	<u> </u>
TOTAL COST	<u>526,900</u>	<u> </u>
Additional Revenue or Savings Generated	<u>0</u>	<u> </u>
Net City Cost	<u>526,900</u>	<u> </u>
Amount Budgeted (If none budgeted, identify source)	<u>\$526,900</u>	<u> </u>

Indirect costs consist of the following:

Project Management	\$ 20,000
Preliminary Surveying	4,000
Permits & Fees	25,000
Printing, etc.	<u>3,000</u>
Total	\$ 52,000

**AGREEMENT
CITY OF FRESNO, CALIFORNIA
CONSULTANT SERVICES**

THIS AGREEMENT is made and entered into effective the ____ day of March, 2009, by and between the CITY OF FRESNO, a California municipal corporation (hereinafter referred to as "CITY"), and Biggs Cardosa Associates, Inc., a California Corporation (hereinafter referred to as "CONSULTANT").

RECITALS

WHEREAS, CITY desires to obtain professional engineering services for the design of plans and general construction contract documents for Monterey Street Separation and Overhead Rehabilitation, hereinafter referred to as the "Project;" and

WHEREAS, CONSULTANT is engaged in the business of furnishing technical and expert services as a Structural Engineer and hereby represents that it desires to and is professionally and legally capable of performing the services called for by this Agreement; and

WHEREAS, CONSULTANT acknowledges that this Agreement is subject to the requirements of Fresno Municipal Code Section 4-107 and Administrative Order No. 6-19; and

WHEREAS, this Agreement will be administered for CITY by its Department of Public Works Director (hereinafter referred to as "Director") or his/her designee.

AGREEMENT

NOW, THEREFORE, in consideration of the foregoing and of the covenants, conditions, and promises hereinafter contained to be kept and performed by the respective parties, it is mutually agreed as follows:

1. Scope of Services. CONSULTANT shall perform the services described herein and in **Exhibit A** to complete the Project more fully described in **Exhibit A**, and this shall include all work incidental to, or necessary to perform, such services even though not specifically described in **Exhibit A**. The services of CONSULTANT shall consist of five Parts as described below. A separate Notice to Proceed will be issued for each of the aforementioned Parts. By entry into this Agreement and upon CITY'S issuance of a written "Notice to Proceed," CITY contracts for the services in Part One. CONSULTANT shall not perform any other Part of the Agreement, and this Agreement shall not be a contract for any other Part, until further performance is authorized by CITY'S issuance of a written "Notice to Proceed." It shall, however, remain CONSULTANT'S offer to perform all remaining parts described herein. In the event CONSULTANT performs services without CITY'S prior written authorization, CONSULTANT will not be entitled to compensation for such services.

(a) Part One. Schematic Design Phase.

(1) CONSULTANT shall review the description of the Project set forth in **Exhibit A** and consult with designated representatives of CITY to ascertain the requirements of the Project.

(2) CONSULTANT shall conduct studies and investigations as necessary to confirm requirements of design including, but not limited to, (i) consulting with the various utility agencies, and (ii) obtaining all information and data from the respective responsible CITY department/division that is available in CITY'S records and

is required by CONSULTANT in connection with the consulting services including, but not limited to, maps, surveys, reports, information, restrictions and easements. CONSULTANT shall notify CITY if a topographic survey is required.

(3) CONSULTANT shall provide a preliminary evaluation of the Project taking into consideration CITY'S estimate of the cost of construction ("Construction Budget") of \$6,426,000.00, including alternative approaches to design and construction of the Project.

(4) Based upon the mutually agreed upon Project requirements and any adjustments authorized by CITY in the Construction Budget, CONSULTANT shall design and prepare schematic design drawings and other documents for review, modification, if required, and acceptance by CITY staff sufficient to show the concept and scope of the proposed Project and the scale and relationship of Project components.

(5) CONSULTANT shall submit a preliminary estimate of construction cost for review and acceptance by CITY. As used herein, "construction cost" means the cost of construction under the general construction contract and does not include CONSULTANT'S compensation as herein provided. Such estimate shall include, and shall separately state, the cost of any add or deduct alternatives, the cost of any work which may be let on a segregated bid basis and any equipment or fixtures which may be incorporated in or excluded from the general construction contract as may be necessary to stay within the Construction Budget.

(6) CONSULTANT shall make up to five (5) submittals as may be necessary or desirable to obtain the acceptance by CITY and shall assist CITY in applying for and obtaining from applicable public agencies any approval permit, or waiver required by law, which assistance shall include, but not be limited to, making Project information available to CITY.

(7) CONSULTANT may not rely upon any as-builts provided by CITY, but shall investigate the existing conditions and ascertain the adequacy of such as-builts for CONSULTANT'S design. CONSULTANT shall bring to CITY'S attention any discrepancies in the as-builts that are discovered by CONSULTANT. CITY makes no representations regarding any as-builts.

(8) Services shall be undertaken and completed in a sequence assuring expeditious completion. All services shall be rendered and deliverables submitted within 90 calendar days from the issuance of a Notice to Proceed for this Part unless an extension of time is approved in writing by the Director. Re-submittals, as necessary to obtain the acceptance by CITY, shall be submitted to CITY within 10 calendar days from receipt of CITY'S comments unless an extension of time is approved in writing by the Director.

(b) Part Two. Design Development Phase. After review and acceptance of the schematic design phase and issuance of a written Notice to Proceed with this Part Two:

(1) Based upon the accepted schematic design documents and the Construction Budget, including authorized revisions thereto, CONSULTANT shall prepare for review and acceptance by CITY the design development documents

consisting of drawings and other documents to fix and describe the size and character of the Project as necessary to show treatment of significant details. In addition, CONSULTANT shall provide outline specifications of the work as to kinds of materials, systems, and other such design elements as may be required. Such design development documents and specifications shall be subject to review and acceptance by CITY.

(2) CONSULTANT shall submit a revised estimate of construction cost for review and acceptance by CITY. The revised estimate shall include, but shall separately state, the cost of any add or deduct alternates, any work which may be let on a segregated bid basis, and any furnishings, equipment or fixtures which may be incorporated in or excluded from the general construction contract as may be necessary to stay within the Construction Budget, including authorized revisions thereto.

(3) In the event that the revised estimate of construction cost exceeds the preliminary estimate of construction cost previously accepted, excluding therefrom any add alternate, any work which may be let on a segregated bid basis and any furnishing, equipment or fixtures which was identified in Part 1 as that which may be excluded from the general construction contract, CITY shall have the option of accepting or rejecting the revised estimate and CONSULTANT shall, at no additional cost to CITY, make such design changes as may be necessary to reduce the revised estimate so that it shall not exceed the preliminary estimate of construction cost previously accepted by CITY. CITY shall not increase the scope of the Project except by modification of this Agreement which shall include an agreed upon increase in CONSULTANT'S compensation.

(4) CONSULTANT shall make up to five (5) submittals as may be necessary or desirable to obtain the acceptance by CITY and shall assist CITY in applying for and obtaining from applicable public agencies any approval, permit, or waiver required by law, which assistance shall include, but not be limited to, making Project information available to CITY.

(5) Services shall be undertaken and completed in a sequence assuring expeditious completion. All services shall be rendered and deliverables submitted within 120 calendar days from the issuance of a Notice to Proceed for this Part unless an extension of time is approved in writing by the Director. Re-submittals, as necessary to obtain the acceptance by CITY, shall be submitted to CITY within 10 calendar days from receipt of CITY'S comments unless an extension of time is approved in writing by the Director.

(c) Part Three. Construction Document Phase. After review and acceptance of the design development phase and issuance of a written Notice to Proceed with this Part Three:

(1) CONSULTANT shall prepare from the accepted design development documents, detailed plans and specifications setting forth the complete work to be done, and the materials, workmanship, finishes and equipment, fixtures, and site work required. CONSULTANT shall also prepare necessary bidding information, general and special conditions of the general construction contract, technical specifications of the general construction contract, and the bid proposal and general construction contract forms. Such documents shall be subject to the review and

acceptance by CITY. CONSULTANT shall cooperate with, assist and be responsive to CITY'S Purchasing Manager in preparation of all documents including, without limitation, slip-sheeting final documents for printing when requested. CITY'S Standard Specifications must be used by CONSULTANT where possible. Final drawings shall be drawn, printed or reproduced by a process providing a permanent record in black on vellum, tracing cloth, polyester base film, or high quality bond copy. Bid, general conditions, contract and bond document forms or formats regularly used by CITY shall be used by CONSULTANT unless the Director determines they would be impractical for this Project. CONSULTANT shall be responsible for assuring that the special conditions, technical specifications and any other documents prepared by CONSULTANT are consistent with any documents regularly used by CITY that are used for this Project.

(2) Upon request of CITY, CONSULTANT shall provide the calculations used to determine the general construction contract quantities; and structural calculations for the purpose of obtaining any building permits.

(3) CONSULTANT shall make up to five (5) submittals as may be necessary or desirable to obtain the acceptance by CITY and shall assist CITY in applying for and obtaining from applicable public agencies any approval, permit, report, statement, or waiver required by law, which assistance shall include, but not be limited to, making Project information available to CITY.

(4) CONSULTANT shall provide CITY with 5 sets of completed plans and 5 sets of completed specifications for review and final acceptance by CITY. Should the plans and specifications as submitted by CONSULTANT not be accepted by CITY, CONSULTANT shall revise the plans and specifications as needed to obtain final acceptance at no additional cost to CITY.

(5) After acceptance of final corrections, if any, CONSULTANT shall provide CITY with one set of accepted reproducible tracings and bid documents for the Project. In addition, CONSULTANT shall provide CITY with one complete set of CAD/System disk files of drawings and complete disk files of specifications in the following format: AutoCAD.

(6) CONSULTANT shall submit a final estimate of construction cost for review and acceptance by CITY. Such estimate shall be calculated as of the date all general construction contract documents are delivered to CITY in final form ready for reproduction and advertising. Such estimate shall include, but shall separately state, the cost of any add or deduct alternates, any work which may be let on a segregated basis, and any equipment, or fixtures which may be incorporated in or excluded from the general construction contract.

(7) In the event that the final estimate of construction cost exceeds the revised estimate of construction cost previously accepted, excluding therefrom any add alternate, any work which may be let on a segregated bid basis and any furnishings, equipment or fixtures which was identified in the final revised estimate in Part 2 as that which may be excluded from the general construction contract, CITY shall have the option of accepting or rejecting the final estimate. If CITY elects to reject the final estimate, CONSULTANT shall at no additional cost to CITY, make such design changes as may be necessary to reduce the final estimate so that it shall not exceed the revised estimate of construction cost previously accepted by CITY.

(8) Services shall be undertaken and completed in a sequence assuring expeditious completion. All services shall be rendered and deliverables submitted within 120 calendar days from the issuance of a Notice to Proceed for this Part unless an extension of time is approved in writing by the Director. Re-submittals, as necessary to obtain the acceptance by CITY, shall be submitted to CITY within 10 calendar days from receipt of CITY'S comments unless an extension of time is approved in writing by the Director.

(d) Part Four. Bidding Phase. After review and acceptance of the construction document phase and if CITY elects to proceed to bid, which shall constitute a written Notice to Proceed with this Part Four:

(1) CONSULTANT shall assist CITY in obtaining bids. CONSULTANT shall not communicate with potential bidders regarding this Project without the express prior written authorization of CITY'S Purchasing Manager.

(2) CONSULTANT shall, within 7 calendar days of any request by CITY, expeditiously draft and promptly provide addendum as determined by CITY to be reasonable or necessary for the bidding process.

(3) If the lowest responsible bid received for the general construction contract exceeds by 10% or more the final estimate of construction cost previously accepted by CITY, excluding therefrom any add alternate, any work which may be let on a segregated bid basis and any furnishings, equipment or fixtures which are excluded from the general construction contract, CONSULTANT shall, within 14 calendar days of any request by CITY, revise the plans and specifications as may be necessary to stay within 10% of such final estimate of construction cost, at no additional cost to CITY provided such bid is received within 90 calendar days after completion of services in Section 1(c) of this Agreement. CONSULTANT shall also submit such revised plans and specifications, together with a new final estimate of construction cost, to CITY for review and acceptance. This procedure, using the latest accepted final estimate of construction cost, shall, upon written notice to CONSULTANT from the Director, be repeated until an acceptable bid is received that does not exceed the accepted final estimate of construction cost by more than 10%.

(e) Part Five. Construction Phase and General Construction Contract Administration. The construction phase will begin with the award of the general construction contract, which shall constitute a written Notice to Proceed with this Part Five, and will terminate when a Notice of Completion is filed. Upon award of a general construction contract for the Project and under the direction of the Director through CITY'S designated Construction Manager for the Project:

(1) CONSULTANT shall attend the pre-construction conference and, if called upon by CITY, act on CITY'S behalf in discussing the various aspects of the construction phase.

(2) CONSULTANT shall review and recommend in writing to CITY acceptance or non-acceptance of shop drawings, equipment and material submittals of the general construction contractor as required by the general construction contract and applicable laws and regulations in a timely manner. The period for CONSULTANT

review shall be as specified in the general construction contract, except if such period is not so specified, the period shall be as determined in the pre-construction conference as mutually agreed upon by CITY, CONSULTANT and the general construction contractor.

(3) CONSULTANT shall, at intervals appropriate to the state of construction, familiarize itself with the progress and quality of the work and determine in general if the work is proceeding in accordance with the general construction contract documents, and keep CITY informed of the progress of the work. In the event that CONSULTANT'S visit to the site results in the discovery of any defect or deficiencies in the work of the general construction contractor, CONSULTANT shall immediately advise CITY and document, in writing, the work CONSULTANT deems substandard, and make recommendations where appropriate to reject any work not conforming to the intended design or specifications. Based on CONSULTANT'S best knowledge, information and belief, CONSULTANT shall provide CITY a general written assurance that the work covered by a payment application meets the standards in the general construction contract. As to technical aspects, CONSULTANT shall provide a written judgment of the acceptability of the work for payment applications and final acceptance, subject to CITY'S right to overrule CONSULTANT.

(4) Upon written request by CITY, CONSULTANT shall render interpretations of the general construction contract documents necessary for the proper execution or progress of the work.

(5) Upon written request by CITY, CONSULTANT shall render written recommendations on change orders, claims, disputes or other questions arising out of the general construction contract, in a timely manner. Recommendations by CONSULTANT in favor of a change order that is consequently accepted by CITY shall constitute approval by CONSULTANT who shall then approve the change order in writing. CONSULTANT shall not unreasonably withhold written approval in the event CITY accepts a change order that CONSULTANT recommended to be rejected. In the event of any technical disputes, CONSULTANT shall provide CITY with CONSULTANT'S written interpretation of the contract documents. The period for CONSULTANT review shall be as specified in the general construction contract, except if such period is not so specified, the period shall be as determined in the pre-construction conference as mutually agreed upon by CITY, CONSULTANT and the general construction contractor. If CITY, CONSULTANT and the respective general construction contractor are unable to mutually agree on such period for CONSULTANT review, then CITY will make the determination and that determination will be final.

(6) Upon written request by CITY, CONSULTANT shall provide such design and specification services as may be requested by CITY to implement change orders necessary for clarification or interpretation of the general construction contract documents or which may have resulted from errors or omissions by CONSULTANT.

(7) Where change orders arise as a result of an increase in the scope of work or are due to unforeseeable conditions, the parties may modify this Agreement, which modification shall include an agreed upon increase in CONSULTANT'S compensation.

(8) Upon written request of CITY, CONSULTANT shall assist CITY in the preparation of Progress Payment Estimates and other related construction reports.

(9) CONSULTANT shall prepare Record Drawings reflecting all changes or deviations from the plans that occurred during construction, as furnished by CITY. Record drawings shall be submitted within 15 calendar days from receipt of red-lined field markups unless an extension of time is approved in writing by the Director. Re-submittals, as necessary to obtain the acceptance by CITY, shall be submitted to CITY within 10 calendar days from receipt of CITY comments unless an extension of time is approved in writing by the Director.

2. CITY'S responsibilities. CITY will:

(a) Provide, upon request and cooperation of CONSULTANT, access to, and make all provisions necessary to, enter upon public or private lands as required for CONSULTANT to perform such services and inspections as are required in development of the Project; provided, however, if CITY is unable to obtain access to enter upon public or private lands, CONSULTANT shall not be relieved from performing its services as to those public and private lands that are accessible. If CONSULTANT notifies CITY that a topographic survey is required by CONSULTANT in connection with the consulting services, then CITY will be responsible for conducting the topographic survey.

(b) Manage and be responsible for all negotiations with owners in connection with land or easement acquisition and provide all required title reports and appraisals.

(c) With the exception of preparing correspondence required for design, hold all required special meetings, serve all public and private notices, receive and act upon all protests, and perform all services customarily performed by owners as are necessary for the orderly progress of the work and the successful completion of the Project, and pay all costs incidental thereto.

(d) Select the testing laboratory and pay the cost of borings, samplings, and other work involved in soils testing during construction.

(e) Conduct onsite inspection during construction to check quality and quantity of work as conditions warrant and be responsible for assuring that the general construction contractor carries out all construction work in accordance with the plans and specifications. However, this does not release CONSULTANT from its responsibility to make periodic site visits under Section 1(e) for the purpose of observing the work to determine its general conformity with the plans and specifications and reporting its findings to CITY.

(f) Prepare all change orders during construction in cooperation with CONSULTANT.

(g) Prepare all Progress Payment Estimates in cooperation with CONSULTANT following its general assurance that the work covered by a payment application meets the standards in the general construction contract documents based upon CONSULTANT'S best knowledge, information and belief.

(h) Pay, or cause to be paid, plan check fees, conditional use permit fees and site plan review fees.

(i) Arrange for and pay, or cause to be paid, any fees associated with Environmental Impact Reports or Statements.

(j) Give reasonably prompt consideration to all matters submitted by CONSULTANT for acceptance to the end that there will be no substantial delays in CONSULTANT'S program of work. For an acceptance, approval, authorization, a request or any direction to CONSULTANT to be binding upon CITY under the terms of this Agreement, such acceptance, approval, authorization, request or direction must be in writing, duly authorized by CITY and signed on behalf of CITY by the Director.

3. Compensation.

(a) CONSULTANT'S sole compensation for satisfactory performance of all services required or rendered pursuant to this Agreement shall be a total fee not to exceed \$416,900, paid on a time and materials basis in accordance with the schedule of fees contained in **Exhibit A**, and a contingency amount not to exceed \$58,000 for any additional work rendered pursuant to Subsection (c) below and authorized in writing by the Director.

(b) Detailed statements shall be rendered monthly and will be payable in the normal course of CITY business. Such statements shall be for an amount no greater than that attributable to the Part upon which CONSULTANT is then engaged as provided in Section 3(c) below.

(c) For purposes of determining the division of the total compensation to CONSULTANT as provided in Section 3(a) above, or should performance of any succeeding Part not be authorized by CITY as provided in Section 1 of this Agreement, it is agreed that the total compensation shall be allocated to the five Parts of CONSULTANT'S performance as follows: Part 1 – 27.0%, Part 2 – 33.7%, Part 3 – 23.9%, Part 4 – 1.9% and Part 5 – 13.5%. Prior to the award of a general construction contract for the Project, or should such contract not be awarded, the approved Parts as provided above shall be utilized for purposes of determining the fee due to CONSULTANT.

(d) The parties may modify this Agreement to increase or decrease the scope of services or provide for the rendition of services not required by this Agreement, which modification shall include an adjustment to CONSULTANT'S compensation. Any change in the scope of services must be made by written amendment to the Agreement signed by an authorized representative for each party. CONSULTANT shall not be entitled to any additional compensation if services are performed prior to a signed written amendment. Subsequent to the date of completion of Part Three, changes due to Code revisions or enactments adopted after such date shall constitute additional work subject to this Section 3(d).

4. Termination, Remedies, Force Majeure, and Consolidation of Disputes.

(a) This Agreement shall terminate without any liability of CITY to CONSULTANT upon the earlier of : (i) CONSULTANT'S filing for protection under the federal bankruptcy laws, or any bankruptcy petition or petition for receiver commenced by a third party against CONSULTANT; (ii) 7 calendar days prior written notice with or without cause by CITY to CONSULTANT; (iii) CITY'S non-appropriation of funds sufficient to meet its obligations hereunder during any CITY fiscal year of this Agreement, or insufficient funding for the Project; or (iv) expiration of this Agreement.

(b) Immediately upon any termination or expiration of this Agreement, CONSULTANT shall (i) immediately stop all work hereunder; (ii) immediately cause any and all of its subcontractors to cease work; and (iii) return to CITY any and all unearned payments and all properties and materials in the possession of CONSULTANT that are owned by CITY. Subject to the terms of this Agreement, CONSULTANT shall be paid compensation for services satisfactorily performed prior to the effective date of termination. CONSULTANT shall not be paid for any work or services performed or costs incurred which reasonably could have been avoided.

(c) In the event of termination due to failure of CONSULTANT to satisfactorily perform in accordance with the terms of this Agreement, CITY may withhold an amount that would otherwise be payable as an offset to, but not in excess of, CITY'S damages caused by such failure. In no event shall any payment by CITY pursuant to this Agreement constitute a waiver by CITY of any breach of this Agreement which may then exist on the part of CONSULTANT, nor shall such payment impair or prejudice any remedy available to CITY with respect to the breach.

(d) Upon any breach of this Agreement by CONSULTANT, CITY may (i) exercise any right, remedy (in contract, law or equity), or privilege which may be available to it under applicable laws of the State of California or any other applicable law; (ii) proceed by appropriate court action to enforce the terms of the Agreement; and/or (iii) recover all direct, indirect, consequential, economic and incidental damages for the breach of the Agreement. If it is determined that CITY improperly terminated this Agreement for default, such termination shall be deemed a termination for convenience.

(e) CONSULTANT shall provide CITY with adequate written assurances of future performance, upon the request of the Director or his/her designee, in the event CONSULTANT fails to comply with any terms or conditions of this Agreement.

(f) CONSULTANT shall be liable for default unless nonperformance is caused by an occurrence beyond the reasonable control of CONSULTANT and without its fault or negligence such as, acts of God or the public enemy, acts of CITY in its contractual capacity, fires, floods, epidemics, quarantine restrictions, strikes, unusually severe weather, and delays of common carriers. CONSULTANT shall notify the Director or his/her designee in writing as soon as it is reasonably possible after the commencement of any excusable delay, setting forth the full particulars in connection therewith, and shall remedy such occurrence with all reasonable dispatch, and shall promptly give written notice to the Director or his/her designee of the cessation of such occurrence.

(g) CONSULTANT agrees that, notwithstanding any contrary provision in this Agreement, any dispute arising from or relating to this Agreement (including, without limitation, disputes based on contract, tort, equity or statute) may, at CITY'S option, be joined and consolidated with any other dispute or disputes arising from or relating to the Project so that all disputes arising from or relating to the Project may be resolved in a single proceeding. CONSULTANT hereby specifically waives any objection it may otherwise have to such joinder and consolidation and specifically consents to mediation, arbitration or any other dispute resolution mechanism, forum or proceeding necessary to effectuate the joinder and consolidation contemplated by this provision.

5. Confidential Information, Ownership of Documents and Copyright License.

(a) Any reports, information, or other data prepared or assembled by CONSULTANT pursuant to this Agreement shall not be made available to any individual or organization by CONSULTANT without the prior written approval of CITY. During the term of this Agreement, and thereafter, CONSULTANT shall not, without the prior written consent of CITY, disclose to anyone any Confidential Information. The term Confidential Information for the purposes of this Agreement shall include all proprietary and confidential information of CITY, including but not limited to business plans, marketing plans, financial information, designs, drawings, specifications, materials, compilations, documents, instruments, models, source or object codes and other information disclosed or submitted, orally, in writing, or by any other medium or media. All Confidential Information shall be and remain confidential and proprietary in CITY.

(b) Any and all original sketches, pencil tracings of working drawings, plans, computations, specifications, computer disk files, writings and other documents prepared or provided by CONSULTANT pursuant to this Agreement are the property of CITY at the time of preparation and shall be turned over to CITY upon expiration or termination of the Agreement or default by CONSULTANT. CONSULTANT grants CITY a copyright license to use such drawings and writings. CONSULTANT shall not permit the reproduction or use thereof by any other person except as otherwise expressly provided herein. CITY may modify the design including any drawings or writings. Any use by CITY of the aforesaid sketches, tracings, plans, computations, specifications, computer disk files, writings and other documents in completed form as to other projects or extensions of this Project, or in uncompleted form, without specific written verification by CONSULTANT will be at CITY'S sole risk and without liability or legal exposure to CONSULTANT. CONSULTANT may keep a copy of all drawings and specifications for its sole and exclusive use.

(c) This Section 5 shall survive expiration or termination of this Agreement.

6. Professional Skill. It is further mutually understood and agreed by and between the parties hereto that inasmuch as CONSULTANT represents to CITY that CONSULTANT is skilled in the profession and shall perform in accordance with the standards of said profession necessary to perform the services agreed to be done by it under this Agreement, CITY relies upon the skill of CONSULTANT to do and perform the services in a skillful manner and CONSULTANT agrees to thus perform the services. Acceptance of the services by CITY shall not operate as a release of CONSULTANT from said standards of said profession.

7. Indemnification. To the furthest extent allowed by law, CONSULTANT shall indemnify, hold harmless and defend CITY and each of its officers, officials, employees, agents and volunteers from any and all loss, liability, fines, penalties, forfeitures, costs and damages (whether in contract, tort or strict liability, including but not limited to personal injury, death at any time and property damage), and from any and all claims, demands and actions in law or equity (including reasonable attorney's fees and litigation expenses) that arise out of, pertain to, or relate to the negligence, recklessness or willful misconduct of CONSULTANT, its principals, officers, employees, agents or volunteers in the performance of this Agreement.

If CONSULTANT should subcontract all or any portion of the services to be performed under this Agreement, CONSULTANT shall require each subcontractor to indemnify, hold harmless and defend CITY and each of its officers, officials, employees, agents and volunteers in accordance with the terms of the preceding paragraph.

This section shall survive termination or expiration of this Agreement.

8. Insurance.

(a) Throughout the life of this Agreement, CONSULTANT shall pay for and maintain in full force and effect all insurance as required in **Exhibit B** or as may be authorized in writing by CITY'S Risk Manager or his/her designee at any time and in his/her sole discretion.

(b) If at any time during the life of the Agreement or any extension, CONSULTANT or any of its subcontractors fail to maintain any required insurance in full force and effect, all services and work under this Agreement shall be discontinued immediately, and all payments due or that become due to CONSULTANT shall be withheld until notice is received by CITY that the required insurance has been restored to full force and effect and that the premiums therefore have been paid for a period satisfactory to CITY. Any failure to maintain the required insurance shall be sufficient cause for CITY to terminate this Agreement. No action taken by CITY pursuant to this section shall in any way relieve CONSULTANT of its responsibilities under this Agreement. The phrase "fail to maintain any required insurance" shall include, without limitation, notification received by CITY that an insurer has commenced proceedings, or has had proceedings commenced against it, indicating that the insurer is insolvent.

(c) The fact that insurance is obtained by CONSULTANT shall not be deemed to release or diminish the liability of CONSULTANT, including, without limitation, liability under the indemnity provisions of this Agreement. The duty to indemnify CITY shall apply to all claims and liability regardless of whether any insurance policies are applicable. The policy limits do not act as a limitation upon the amount of indemnification to be provided by CONSULTANT. Approval or purchase of any insurance contracts or policies shall in no way relieve from liability nor limit the liability of CONSULTANT, its principals, officers, agents, employees, persons under the supervision of CONSULTANT, vendors, suppliers, invitees, consultants, sub-consultants, subcontractors, or anyone employed directly or indirectly by any of them.

(d) Upon request of CITY, CONSULTANT shall immediately furnish CITY with a complete copy of any insurance policy required under this Agreement, including all endorsements, with said copy certified by the underwriter to be a true and correct copy of the original policy. This requirement shall survive expiration or termination of this Agreement.

(e) If CONSULTANT should subcontract all or any portion of the services to be performed under this Agreement, CONSULTANT shall require each subcontractor to provide insurance protection in favor of CITY and each of its officers, officials, employees, agents and volunteers in accordance with the terms of this section, except that any required certificates and applicable endorsements shall be on file with CONSULTANT and CITY prior to the commencement of any services by the subcontractor.

9. Conflict of Interest and Non-Solicitation.

(a) Prior to CITY'S execution of this Agreement, CONSULTANT shall complete a City of Fresno conflict of interest disclosure statement in the form as set forth in **Exhibit C**. During the term of this Agreement, CONSULTANT shall have the obligation and duty to immediately notify CITY in writing of any change to the information provided by CONSULTANT in such statement.

(b) CONSULTANT shall comply, and require its subcontractors to comply, with all applicable (i) professional canons and requirements governing avoidance of impermissible client conflicts; and (ii) federal, state and local conflict of interest laws and regulations including, without limitation, California Government Code Section 1090 et. seq., the California Political Reform Act (California Government Code Section 87100 et. seq.), the regulations of the Fair Political Practices Commission concerning disclosure and disqualification (2 California Code of Regulations Section 18700 et. seq.) and Section 4-112 of the Fresno Municipal Code (Ineligibility to Compete). At any time, upon written request of CITY, CONSULTANT shall provide a written opinion of its legal counsel and that of any subcontractor that, after a due diligent inquiry, CONSULTANT and the respective subcontractor(s) are in full compliance with all laws and regulations. CONSULTANT shall take, and require its subcontractors to take, reasonable steps to avoid any appearance of a conflict of interest. Upon discovery of any facts giving rise to the appearance of a conflict of interest, CONSULTANT shall immediately notify CITY of these facts in writing.

(c) In performing the work or services to be provided hereunder, CONSULTANT shall not employ or retain the services of any person while such person either is employed by CITY or is a member of any CITY council, commission, board, committee, or similar CITY body. This requirement may be waived in writing by the City Manager, if no actual or potential conflict is involved.

(d) CONSULTANT represents and warrants that it has not paid or agreed to pay any compensation, contingent or otherwise, direct or indirect, to solicit or procure this Agreement or any rights/benefits hereunder.

(e) Neither CONSULTANT, nor any of CONSULTANT'S subcontractors performing any services on this Project, shall bid for, assist anyone in the preparation of a bid for, or perform any services pursuant to, any other contract in connection with this Project. CONSULTANT and any of its subcontractors shall have no interest, direct or indirect, in any other contract with a third party in connection with this Project unless such interest is in accordance with all applicable law and fully disclosed to and approved by the City Manager, in advance and in writing.

(f) If CONSULTANT should subcontract all or any portion of the work to be performed or services to be provided under this Agreement, CONSULTANT shall include the provisions of this Section 9 in each subcontract and require its subcontractors to comply therewith.

(g) This Section 9 shall survive expiration or termination of this Agreement.

10. Recycling Program. In the event CONSULTANT maintains an office or operates a facility(ies), or is required herein to maintain or operate same, within the incorporated limits of the City of Fresno, CONSULTANT at its sole cost and expense shall:

- (i) Immediately establish and maintain a viable and ongoing recycling program, approved by CITY'S Solid Waste Management Division, for each office and facility. Literature describing CITY recycling programs is available from CITY'S Solid Waste Management Division and by calling City of Fresno Recycling Hotline at (559) 621-1111.

- (ii) Immediately contact CITY'S Solid Waste Management Division at (559) 621-1452 and schedule a free waste audit, and cooperate with such Division in their conduct of the audit for each office and facility.
- (iii) Cooperate with and demonstrate to the satisfaction of CITY'S Solid Waste Management Division the establishment of the recycling program in paragraph (i) above and the ongoing maintenance thereof.

11. General Terms.

(a) Except as otherwise provided by law, all notices expressly required of CITY within the body of this Agreement, and not otherwise specifically provided for, shall be effective only if signed by the Director or his/her designee.

(b) Records of CONSULTANT'S expenses pertaining to the Project shall be kept on a generally recognized accounting basis and shall be available to CITY or its authorized representatives upon request during regular business hours throughout the life of this Agreement and for a period of three years after final payment or, if longer, for any period required by law. In addition, all books, documents, papers, and records of CONSULTANT pertaining to the Project shall be available for the purpose of making audits, examinations, excerpts, and transcriptions for the same period of time. This Section 11(b) shall survive expiration or termination of this Agreement.

(c) Prior to execution of this Agreement by CITY, CONSULTANT shall have provided evidence to CITY that CONSULTANT is licensed to perform the services called for by this Agreement (or that no license is required). If CONSULTANT should subcontract all or any portion of the work or services to be performed under this Agreement, CONSULTANT shall require each subcontractor to provide evidence to CITY that subcontractor is licensed to perform the services called for by this Agreement (or that no license is required) before beginning work.

(d) CONSULTANT'S services pursuant to this Agreement shall be provided under the supervision of Troy Swenson, and he/she shall not assign another to supervise CONSULTANT'S performance of this Agreement without the prior written approval of the Director.

12. Nondiscrimination. To the extent required by controlling federal, state and local law, CONSULTANT shall not employ discriminatory practices in the provision of services, employment of personnel, or in any other respect on the basis of race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, marital status, sex, age, sexual orientation, ethnicity, status as a disabled veteran or veteran of the Vietnam era. Subject to the foregoing and during the performance of this Agreement, CONSULTANT agrees as follows:

(a) CONSULTANT will comply with all applicable laws and regulations providing that no person shall, on the grounds of race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, marital status, sex, age, sexual orientation, ethnicity, status as a disabled veteran or veteran of the Vietnam era be excluded from participation in, be denied the benefits of, or be subject to discrimination under any program or activity made possible by or resulting from this Agreement.

(b) CONSULTANT will not discriminate against any employee or applicant for employment because of race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, marital status, sex, age, sexual orientation, ethnicity, status as a disabled veteran or veteran of the Vietnam era. CONSULTANT shall ensure that applicants are employed, and the employees are treated during employment, without regard to their race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, marital status, sex, age, sexual orientation, ethnicity, status as a disabled veteran or veteran of the Vietnam era. Such requirement shall apply to CONSULTANT'S employment practices including, but not be limited to, the following: employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. CONSULTANT agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provision of this nondiscrimination clause.

(c) CONSULTANT will, in all solicitations or advertisements for employees placed by or on behalf of CONSULTANT in pursuit hereof, state that all qualified applicants will receive consideration for employment without regard to race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, marital status, sex, age, sexual orientation, ethnicity, status as a disabled veteran or veteran of the Vietnam era.

(d) CONSULTANT will send to each labor union or representative of workers with which it has a collective bargaining agreement or other contract or understanding, a notice advising such labor union or workers' representatives of CONSULTANT'S commitment under this section and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

13. Independent Contractor.

(a) In the furnishing of the services provided for herein, CONSULTANT is acting solely as an independent contractor. Neither CONSULTANT, nor any of its officers, agents or employees shall be deemed an officer, agent, employee, joint venturer, partner or associate of CITY for any purpose. CITY shall have no right to control or supervise or direct the manner or method by which CONSULTANT shall perform its work and functions. However, CITY shall retain the right to administer this Agreement so as to verify that CONSULTANT is performing its obligations in accordance with the terms and conditions thereof.

(b) This Agreement does not evidence a partnership or joint venture between CONSULTANT and CITY. CONSULTANT shall have no authority to bind CITY absent CITY'S express written consent. Except to the extent otherwise provided in this Agreement, CONSULTANT shall bear its own costs and expenses in pursuit thereof.

(c) Because of its status as an independent contractor, CONSULTANT and its officers, agents and employees shall have absolutely no right to employment rights and benefits available to CITY employees. CONSULTANT shall be solely liable and responsible for all payroll and tax withholding and for providing to, or on behalf of, its employees all employee benefits including, without limitation, health, welfare and retirement benefits. In addition, together with its other obligations under this Agreement, CONSULTANT shall be solely responsible, indemnify, defend and save CITY harmless from all matters relating to employment and tax withholding for and payment of CONSULTANT'S employees, including, without limitation, (i) compliance with Social Security and unemployment insurance withholding, payment of workers' compensation benefits, and all other laws and regulations governing

matters of employee withholding, taxes and payment; and (ii) any claim of right or interest in CITY employment benefits, entitlements, programs and/or funds offered employees of CITY whether arising by reason of any common law, de facto, leased, or co-employee rights or other theory. It is acknowledged that during the term of this Agreement, CONSULTANT may be providing services to others unrelated to CITY or to this Agreement.

14. Notices. Any notice required or intended to be given to either party under the terms of this Agreement shall be in writing and shall be deemed to be duly given if delivered personally, transmitted by facsimile followed by telephone confirmation of receipt, or sent by United States registered or certified mail, with postage prepaid, return receipt requested, addressed to the party to which notice is to be given at the party's address set forth on the signature page of this Agreement or at such other address as the parties may from time to time designate by written notice. Notices served by United States mail in the manner above described shall be deemed sufficiently served or given at the time of the mailing thereof.

15. Binding. Subject to Section 16 below, once this Agreement is signed by all parties, it shall be binding upon, and shall inure to the benefit of, all parties, and each parties' respective heirs, successors, assigns, transferees, agents, servants, employees and representatives.

16. Assignment.

(a) This Agreement is personal to CONSULTANT and there shall be no assignment by CONSULTANT of its rights or obligations under this Agreement without the prior written approval of the City Manager or his/her designee. Any attempted assignment by CONSULTANT, its successors or assigns, shall be null and void unless approved in writing by the City Manager or his/her designee.

(b) CONSULTANT hereby agrees not to assign the payment of any monies due CONSULTANT from CITY under the terms of this Agreement to any other individual(s), corporation(s) or entity(ies). CITY retains the right to pay any and all monies due CONSULTANT directly to CONSULTANT.

17. Compliance With Law. In providing the services required under this Agreement, CONSULTANT shall at all times comply with all applicable laws of the United States, the State of California and CITY, and with all applicable regulations promulgated by federal, state, regional, or local administrative and regulatory agencies, now in force and as they may be enacted, issued, or amended during the term of this Agreement.

18. Waiver. The waiver by either party of a breach by the other of any provision of this Agreement shall not constitute a continuing waiver or a waiver of any subsequent breach of either the same or a different provision of this Agreement. No provisions of this Agreement may be waived unless in writing and signed by all parties to this Agreement. Waiver of any one provision herein shall not be deemed to be a waiver of any other provision herein.

19. Governing Law and Venue. This Agreement shall be governed by, and construed and enforced in accordance with, the laws of the State of California, excluding, however, any conflict of laws rule which would apply the law of another jurisdiction. Venue for purposes of the filing of any action regarding the enforcement or interpretation of this Agreement and any rights and duties hereunder shall be Fresno County, California.

20. Headings. The section headings in this Agreement are for convenience and reference only and shall not be construed or held in any way to explain, modify or add to the interpretation or meaning of the provisions of this Agreement.

21. Severability. The provisions of this Agreement are severable. The invalidity, or unenforceability of any one provision in this Agreement shall not affect the other provisions.

22. Interpretation. The parties acknowledge that this Agreement in its final form is the result of the combined efforts of the parties and that, should any provision of this Agreement be found to be ambiguous in any way, such ambiguity shall not be resolved by construing this Agreement in favor of or against either party, but rather by construing the terms in accordance with their generally accepted meaning.

23. Attorney's Fees. If either party is required to commence any proceeding or legal action to enforce or interpret any term, covenant or condition of this Agreement, the prevailing party in such proceeding or action shall be entitled to recover from the other party its reasonable attorney's fees and legal expenses.

24. Exhibits. Each exhibit and attachment referenced in this Agreement is, by the reference, incorporated into and made a part of this Agreement.

25. Precedence of Documents. In the event of any conflict between the body of this Agreement and any Exhibit or Attachment hereto, the terms and conditions of the body of this Agreement shall control and take precedence over the terms and conditions expressed within the Exhibit or Attachment. Furthermore, any terms or conditions contained within any Exhibit or Attachment hereto which purport to modify the allocation of risk between the parties, provided for within the body of this Agreement, shall be null and void.

26. Cumulative Remedies. No remedy or election hereunder shall be deemed exclusive but shall, wherever possible, be cumulative with all other remedies at law or in equity.

27. No Third Party Beneficiaries. The rights, interests, duties and obligations defined within this Agreement are intended for the specific parties hereto as identified in the preamble of this Agreement. Notwithstanding anything stated to the contrary in this Agreement, it is not intended that any rights or interests in this Agreement benefit or flow to the interest of any third parties.

28. Extent of Agreement. Each party acknowledges that they have read and fully understand the contents of this Agreement. This Agreement represents the entire and integrated agreement between the parties with respect to the subject matter hereof and supersedes all prior negotiations, representations or agreements, either written or oral. This Agreement may be modified only by written instrument duly authorized and executed by both CITY and CONSULTANT.

29. Covenant Against Contingent Fees The CONSULTANT warrants that he/she has not employed or retained any company or person, other than a bona fide employee working for the CONSULTANT; to solicit or secure this agreement; and that he/she has not paid or agreed to pay any company or person other than a bona fide employee, any fee, commission, percentage, brokerage fee, gift, or any other consideration, contingent upon or resulting from the award, or formation of this Agreement. For breach or violation of this warranty, the CITY

shall have the right to annul this Agreement without liability, or at its discretion; to deduct from the Agreement price or consideration, or otherwise recover the full amount of such fee, commission, percentage, brokerage fee, gift, or contingent fee.

IN WITNESS WHEREOF, the parties have executed this Agreement at Fresno, California, the day and year first above written.

CITY OF FRESNO,
a California municipal corporation

Biggs Cardosa Associates, Inc.,
a California Corporation

By: _____
Efren Banuelos, Assistant Director
Department of Public Works

By: *[Signature]*
Name: Stephen A. Biggs

ATTEST:
REBECCA E. KLISCH
City Clerk

Title: President
[if corporation or LLC, Board
Chair, Pres. or Vice Pres.]

By: _____
Deputy

By: *[Signature]*
Name: MARK A CARDOSA

APPROVED AS TO FORM:
JAMES C. SANCHEZ
City Attorney

Title: SECRETARY
[if corporation or LLC, CFO,
Treasurer, Secretary or Assistant
Secretary.]

By: *[Signature]* 3/31/09
Stacie L. Melikian Date
Deputy

Any Applicable Professional License:
Number: _____
Name: _____
Date of Issuance: _____

REVIEWED BY:

Steven Son, Capital Projects Manager
Department of Public Works

Addresses:

CITY:
City of Fresno
Attention: Randy Bell, Project Manager
2600 Fresno Street, 4th Floor
Fresno, CA 93721
Phone: (559) 621-8679
FAX: (559) 488-1045

CONSULTANT:
Biggs Cardosa Associates, Inc.
Attention: Troy Swenson, Engineering
Manager
5250 N. Palm Avenue, Suite 211
Fresno, CA 93704-2218
Phone: (559) 449-8686
FAX: (559) 449-8580

Attachments:

- 1. Exhibit A - Scope of Services
- 2. Exhibit B - Insurance Requirements
- 3. Exhibit C - Conflict of Interest Disclosure Form

EXHIBIT A

PROJECT DESCRIPTION

Monterey Street Separation & Overhead (Bridge No. 42C-0086) was closed to traffic in November 2004 due to structural deterioration of the support columns. The CITY desires to repair and re-open the structure. A preliminary scoping study identified potential Category 1 seismic deficiencies and rehabilitation measures necessary to re-open the structure to traffic. The proposed project will design the modifications, rehabilitation, and member strengthening to the critical structural components to eliminate the potential for collapse in accordance with current Caltrans seismic evaluation criteria and remove the "Functional Obsolescence" classification of the structure. The project objective will be to obtain strategy approval from the CITY and Caltrans based on the work outlined in the preliminary scoping study, and produce construction bid documents including plans, specifications, and estimate to meet Caltrans seismic design standards and CITY format requirements.

Per the CITY's request, other retrofit/rehabilitation alternatives (not identified in the preliminary scoping study) will not be investigated under this contract. Should Caltrans require other retrofit/rehabilitation alternatives such as replacement alternatives for strategy approval, a separate proposal will be provided to the CITY.

In addition to structural engineering services, the project will require an evaluation of existing geotechnical and geological information, and development of recommendations regarding geotechnical engineering design values needed for the seismic evaluation of the structure.

The project will require the identification of utilities which might be affected by the proposed bridge modifications and, if necessary, coordination for relocating affected utilities will be provided.

Construction methods, construction access, and construction staging areas necessary to perform the construction work will be evaluated for the retrofit strategy. Field surveys and the preparation of construction access plans will be provided, as needed, to obtain construction easements from the adjacent property owners.

CONSULTANT will manage the overall engineering effort for the project in addition to performing structural work. At the CITY's request (Optional Services) CONSULTANT will also assist with the Highway Bridge Program (HBP) funding process.

Civil and roadway related design services, as well as utility coordination, right-of-way engineering, and railroad coordination will be provided by Drake Haglan Associates and Blair Church and Flynn. Environmental studies and documentation will be performed by Galvin Preservation Associates (GPA), Technicon, and Drake Haglan Associates.

SCOPE OF SERVICES

PROJECT MANAGEMENT AND ADMINISTRATION

The CONSULTANT shall perform activities necessary to plan, direct, and coordinate the work of the project team and provide progress reporting. The person hour estimate provided in Attachment 1 to Exhibit A includes project management and administration tasks for Phase 1 through Phase 3 work.

General Project Management

- Develop work plan and work breakdown structure.
- Develop person-hour estimates.
- Supervise, coordinate, and monitor design for conformance with City of Fresno and Caltrans standards and policies.
- Monitor and report Project Progress for adherence to schedule and budget (monthly)
- Prepare monthly progress reports.
- Make arrangements with and obtain permission from CITY for CONSULTANT to work on the CITY road.
- Assist the CITY in obtaining permission to enter private property for environmental and engineering studies.
- Employ and monitor work of subconsultants.
- Close and archive the project records at the end of the project.

Project Administration

- Set Up Filing
- Prepare accounting summary for internal review (weekly)
- Prepare invoice summary and billing status (monthly)
- Participate in Pre-Award Audit

Project Review Meetings

- Attend up to six (6) progress review meetings
- Prepare meeting notes

Quality Control Program

- Implement CONSULTANT's Quality Control Plan and quality control procedures during project studies and preparation of deliverables. Provide senior review of all deliverables. Where different disciplines are involved, perform cross-checking to avoid conflict and misalignment.

Deliverables:

- One copy of progress report (monthly)
- One copy of invoice summary (monthly)
- Copies of meeting notes prepared by CONSULTANT and distribution to all attendees

1.0 PHASE 1 – SCHEMATIC DESIGN

Phase 1 work will confirm the extent of rehabilitation work required through additional concrete testing, identify impacted utilities, identify the extent of environmental work required, and obtain Caltrans approval to proceed with final design.

1.0 Schematic Design

1.1 Project Management and Administration

1.1.1 Additional Concrete Testing [Technicon]

- Perform additional testing of concrete in existing bridge structure (7 concrete cores and petrographic examination)
- Verify extent of ASR

1.1.2 Utility Identification [Blair, Church and Flynn]

- Review Record Utility Drawings
- Perform Utility search to identify utilities that may be affected by seismic retrofit/rehabilitation

1.1.3 Preliminary Right-of-Way Map [Blair, Church and Flynn]

1.1.4 Preliminary Right-of-Way Cost [City]

1.1.5 Perform Caltrans Field Review

- Prepare for and attend Field Review
- Verify compliance with as-built plans and note discrepancies
- Note potential work site access points and equipment staging areas
- Measure and verify key dimensions
- Note all utilities supported on structure
- Note maintenance issues that may affect seismic performance
- Prepare Caltrans field review forms in conformance with HBP requirements

1.1.6 Verification of Scoping Study Strategy

- Confirm project scope of work

1.2 Environmental

1.2.1 Environmental Scoping [Technicon, GPA]

- Perform an Initial Site Assessment (ISA) and prepare Caltrans Preliminary Environmental Studies (PES) Form to determine appropriate content of CEQA and NEPA environmental documents

1.2.2 Environmental Clearance [Drake Haglan Associates, GPA]

- Prepare Categorical Exclusion for the NEPA federal environmental process
- Prepare Categorical Exemption for CEQA process

Deliverables:

- 5 copies of Preliminary Right of Way Map
- 5 copies of Field Review Forms
- Completed PES Form
- Categorical Exclusion with supporting documentation
- Categorical Exemption with supporting documentation

2.0 PHASE 2 – DESIGN DEVELOPMENT

Design Development engineering will include roadway and bridge design and preparation of 65% PS&E. The right-of-way engineering will include property surveys, mapping and descriptions. The CONSULTANT will perform the final design and right-of-way engineering. The CITY will perform the right-of-way acquisition, if required. The project PS&E will be prepared in the Imperial (English) System of measurement. Completion of Phase 2 and subsequent phases shall not proceed without written authorization from CITY and is contingent upon receiving necessary approvals from CITY and Caltrans and the availability of funding.

2.1 Project Management and Administration

2.2 Utility Coordination

- Coordinate with Utilities Agencies for utilities to be relocated and/or supported on structure.

2.3 65% PS&E Submittal

- Prepare structural calculations
 - Retrofit of Category 1 seismic deficiencies
 - Rehabilitation for ASR mitigation
 - Reduction of lanes and barrier/sidewalk replacement to remove “Functional Obsolete” designation and add one 5' bike lane in each direction of travel
- Prepare Unchecked Structural Plans
 - Develop drawing control
 - Develop general plan, abutment layout and elevation plans, and bent layout and elevation plans
 - Develop structural details

- Prepare Traffic Handling Plans
- Prepare Utility Relocation Plans (if Required)
- Prepare Temporary Detour and Lane Closure Plans
- Prepare Unchecked Quantities and Estimate
 - Develop preliminary quantities (no detailed rebar quantities)
 - Prepare preliminary engineer's estimate
- Prepare Draft Specifications
 - Establish pay item list
 - Assemble and modify Caltrans "Standard Special Provisions"
 - Prepare special provisions for non-standard items
 - Coordinate interface specification issues between Civil and Structures Specifications
 - Coordinate and finalize draft specifications
- Prepare Foundation Report
 - Perform required field investigations (3 borings and laboratory analysis)

Deliverables:

- Five full-size sets of plans (Cover sheet, traffic, structural, utilities)
- Three sets of Draft Special Provisions, Technical Specifications and Bid Item Descriptions
- Draft Structural Calculations
- Engineer's Estimate
- Three sets of Draft Foundation Report

3.0 PHASE 3 – CONSTRUCTION DOCUMENTS

Construction Documents phase will include roadway and bridge design and preparation of 95% and Final PS&E. The CONSULTANT will perform the final design and right-of-way engineering. The CITY will perform the right-of-way acquisition, if required. The project PS&E will be prepared in the Imperial (English) System of measurement.

3.1 Project Management and Administration

3.2 Independent Check

- Perform QC check of calculations and details by independent design team
- Review 65% level plans for completeness, consistency, constructability
- Perform QC check of quantity calculations
- Review 65% Draft Special Provisions

3.3 95% PS&E Submittal

- Address 65% review comments from Independent Check, CITY, and Caltrans comments
- Update design calculations, plans, specifications, and engineer's estimate

Deliverables:

- Five full-size sets of plans (Cover sheet, traffic, structural, utilities)
- Five sets of Complete Specifications including CITY's boilerplate specifications
- Engineer's Estimate
- Three sets of Foundation Report

3.4 Final PS&E Submittal

- Address 95% review comments from the CITY

Deliverables:

- One full-size signed, reproducible Final Plans on mylar
- 5 sets of half-size Plans
- Final Plans on CD in AutoCAD
- One set of signed, reproducible Special Provisions
- Final Special Provisions on CD
- Engineer's Estimate
- Special Instructions:
 - Special Constructibility Requirements
 - Key coordination issues
 - Other pertinent documents

4.0 PHASE 4 – BIDDING SERVICES

Bidding support services will include assistance during bidding and preparing addenda to the PS&E.

4.1 Assistance with Bidding

The CITY will advertise the project for bidding and distribute the plans to prospective bidders. The CITY's project coordinator will be the designated person to receive contractor inquiries. The CONSULTANT's project manager and project staff will assist the CITY as requested during the bidding. The work may include answering questions, providing consultation and interpretation of the construction documents. Attending pre-bid meetings or bid opening and analysis of bids will also be provided if requested.

4.2 Prepare Addenda

CONSULTANT's project manager and project staff will assist the CITY as requested in the preparation of addenda to the PS&E during the advertisement period. The proposed fee in Attachment 1 to Exhibit A assumes one addendum will be required.

5.0 PHASE 5 – CONSTRUCTION SERVICES

Construction support services will include administration, attending meetings, reviewing and recommending acceptance of contractor submittals, clarifying the contract documents, preparing

change orders, and preparing record drawings. Attending preconstruction meetings will also be provided if requested.

5.1 Administration

Construction administration shall consist of the following:

- Prepare monthly progress reports and invoices
- Employ and monitor subconsultants
- Coordinate CONSULTANT's work with the contractor's work and the CITY's other consultants, if any
- Close and archive the project records at the end of the project

5.2 Construction Meetings

The CONSULTANT shall attend construction meetings set by the CITY for review of the construction progress and to answer any issues raised during construction. It is estimated that these meetings will occur bi-weekly at the construction site. A total of 24 meetings are estimated considering meetings through a 12 month duration. These meetings will be concurrent with site visits and a photograph log of the construction progress will be kept by the CONSULTANT.

5.3 Resident Engineering [By City]

5.4 Construction Observation Services

The CONSULTANT shall perform periodic site visits during construction and report on the progress and quality of the work and compliance with the final plans and specifications.

5.5 Shop Drawings

The CONSULTANT shall assist the CITY during construction by checking shop drawings, and reviewing materials submittals in accordance with the plans and specifications.

5.6 Clarify Construction Documents

The CONSULTANT shall assist the CITY during construction by clarifying and interpreting contract documents to ensure that the project is constructed in accordance with the plans and specifications.

5.7 Change Orders

The CONSULTANT shall provide advice and technical support for construction change orders and prepare change order documentation to include, where appropriate, changes in plans and specifications, additional details, an estimate of time, and an estimate of additional cost.

5.8 Record Drawings

The CONSULTANT shall modify contract drawings based on red-lined comments received from the City inspector and/or contractor to create record drawings.

6.0 OPTIONAL DESIGN SERVICES

Upon written request of the CITY, CONSULTANT shall perform the following optional services.

6.1 Initial Meeting with Union Pacific Railroad (UPRR)

6.2 Strategy Meeting and Approval of Strategy

- Attend Strategy Meeting (if required by Caltrans)
- Prepare Draft Strategy Report and required studies/analyses as necessary to meet Caltrans requirements
- Prepare Preliminary Quantities and Estimates
- Prepare General Plan
- Obtain approval of Strategy outlined in the Preliminary Scoping Study

Deliverables:

- 5 copies of General Plan
- 5 copies of Strategy Report

6.3 HBP Funding

- Prepare Caltrans Consultant Selection and Pre-Award Audit Forms
 - Prepare various Local Programs Paperwork
- At the request of the CITY, CONSULTANT will prepare the federal paperwork required in the Local Programs Manual. This may include a request for a project scope change, additional funds request, request for authorizations, the PS&E Certification, and/or the project closeout forms.

SCHEDULE FOR REHABILITATION/RETROFIT

Task	Start	End
NTP	Mar 2009	
Additional Concrete Testing	Mar 2009	Apr 2009
Environmental*	Apr 2009	Apr 2010
Strategy Approval	Apr 2009	June 2009
65% PS&E	Apr 2010 **	Aug 2010
95% PS&E - allotting for 4 weeks City of Fresno Review of 65% Plans concurrently with CONSULTANT's independent check	Aug 2010	Oct 2010
City of Fresno Review of 95% Plans	Oct 2010	Nov 2010
Final PS&E (100%)	Nov 2010	Dec 2010
Projected Construction	Feb 2011	Feb 2012

- * Duration for Environmental task assumes 6-10 month review of submittals by Caltrans
- ** 65% Design begins after Environmental Clearance. Design may proceed at-risk prior to Environmental Clearance, but this work would not be reimbursed under HBP program.

DESIGN FEE

CONSULTANT agrees to provide the scope of services (Subtask 1.0 through 5.0) on a Time-and-Materials basis, per the attached billing rate schedule (Attachment 1), for a fee not to exceed \$416,900, including expenses. CONSULTANT also agrees to provide the additional optional services (Subtask 6.0) for an additional optional fee not to exceed \$58,000, including expenses. CONSULTANT shall not proceed with Optional Design Services without written authorization from CITY. An estimated summary breakdown is shown below. A detailed hourly breakdown is attached as Attachment 1 to Exhibit A.

BASE SERVICES	TOTAL
1.0 Schematic Design	\$112,600
2.0 Design Development	\$140,500
3.0 Construction Documents	\$99,600
4.0 Bidding	\$8,000
5.0 Construction Services	\$56,200
TOTAL BASIC SERVICES	\$416,900

OPTIONAL DESIGN SERVICES	TOTAL
6.1 Initial Meeting with UPRR	\$4,100
6.2 Strategy meeting	\$48,100
6.3 HBP Funding Assistance	\$5,800
TOTAL BASIC + OPTIONAL DESIGN SERVICES	\$474,900

Exhibit B

INSURANCE REQUIREMENTS
Consultant Service Agreement between City of Fresno
and Biggs Cardosa Associates, Inc.
Monterey Street Separation and Overhead Rehabilitation
PROJECT TITLE

Minimum Scope of Insurance

Coverage shall be at least as broad as:

1. The most current version of Insurance Services Office (ISO) Commercial General Liability Coverage Form CG 00 01, which shall include insurance for “bodily injury,” “property damage” and “personal and advertising injury” with coverage for premises and operations, products and completed operations, and contractual liability.
2. The most current version of Insurance Service Office (ISO) Business Auto Coverage Form CA 00 01, which shall include coverage for all owned, hired, and non-owned automobiles or other licensed vehicles (Code 1- Any Auto).
3. Workers’ Compensation insurance as required by the California Labor Code and Employer’s Liability Insurance.
4. Professional Liability (Errors and Omissions) insurance appropriate to CONSULTANT’S profession. Architect’s and engineer’s coverage is to be endorsed to include contractual liability.

Minimum Limits of Insurance

CONSULTANT shall maintain limits of liability of not less than:

1. General Liability:
\$1,000,000 per occurrence for bodily injury and property damage
\$1,000,000 per occurrence for personal and advertising injury
\$2,000,000 aggregate for products and completed operations
\$2,000,000 general aggregate applying separately to the work performed under the Agreement
2. Automobile Liability:
\$1,000,000 per accident for bodily injury and property damage
3. Employer’s Liability:
\$1,000,000 each accident for bodily injury
\$1,000,000 disease each employee
\$1,000,000 disease policy limit

4. Professional Liability (Errors and Omissions)

\$1,000,000 per claim/occurrence
\$2,000,000 policy aggregate

Umbrella or Excess Insurance

In the event CONSULTANT purchases an Umbrella or Excess insurance policy(ies) to meet the "Minimum Limits of Insurance," this insurance policy(ies) shall "follow form" and afford no less coverage than the primary insurance policy(ies).

Deductibles and Self-Insured Retentions

CONSULTANT shall be responsible for payment of any deductibles contained in any insurance policies required hereunder and CONSULTANT shall also be responsible for payment of any self-insured retentions. Any deductibles or self-insured retentions must be declared to, and approved by, the CITY'S Risk Manager or his/her designee. At the option of the CITY'S Risk Manager or his/her designee, either (i) the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects CITY, its officers, officials, employees, agents and volunteers; or (ii) CONSULTANT shall provide a financial guarantee, satisfactory to CITY'S Risk Manager or his/her designee, guaranteeing payment of losses and related investigations, claim administration and defense expenses. At no time shall CITY be responsible for the payment of any deductibles or self-insured retentions.

Other Insurance Provisions

The General Liability and Automobile Liability insurance policies are to contain, or be endorsed to contain, the following provisions:

1. CITY, its officers, officials, employees, agents and volunteers are to be covered as additional insureds.
2. The coverage shall contain no special limitations on the scope of protection afforded to CITY, its officers, officials, employees, agents and volunteers.
3. CONSULTANT'S insurance coverage shall be primary and no contribution shall be required of CITY.

The Workers' Compensation insurance policy is to contain, or be endorsed to contain, the following provision: CONSULTANT and its insurer shall waive any right of subrogation against CITY, its officers, officials, employees, agents and volunteers.

If the Professional Liability (Errors and Omissions) insurance policy is written on a claims-made form:

1. The "Retro Date" must be shown, and must be before the effective date of the Agreement or the commencement of work by CONSULTANT.
2. Insurance must be maintained and evidence of insurance must be provided for at least 5 years after any expiration or termination of the Agreement or, in the alternative, the policy shall be endorsed to provide not less than a 5-year

discovery period. This requirement shall survive expiration or termination of the Agreement.

3. If coverage is canceled or non-renewed, and not replaced with another claims-made policy form with a "Retro Date" prior to the effective date of the Agreement, CONSULTANT must purchase "extended reporting" coverage for a minimum of 5 years following the expiration or termination of the Agreement.
4. A copy of the claims reporting requirements must be submitted to CITY for review.
5. These requirements shall survive expiration or termination of the Agreement.

All policies of insurance required hereunder shall be endorsed to provide that the coverage shall not be cancelled, non-renewed, reduced in coverage or in limits except after 30 calendar day written notice by certified mail, return receipt requested, has been given to CITY. Upon issuance by the insurer, broker, or agent of a notice of cancellation, non-renewal, or reduction in coverage or in limits, CONSULTANT shall furnish CITY with a new certificate and applicable endorsements for such policy(ies). In the event any policy is due to expire during the work to be performed for CITY, CONSULTANT shall provide a new certificate, and applicable endorsements, evidencing renewal of such policy not less than 15 calendar days prior to the expiration date of the expiring policy.

Acceptability of Insurers

All policies of insurance required hereunder shall be placed with an insurance company(ies) admitted by the California Insurance Commissioner to do business in the State of California and rated not less than "A-VII" in Best's Insurance Rating Guide, or authorized by CITY'S Risk Manager.

Verification of Coverage

CONSULTANT shall furnish CITY with all certificate(s) and **applicable endorsements** effecting coverage required hereunder. All certificates and **applicable endorsements** are to be received and approved by the CITY'S Risk Manager or his/her designee prior to CITY'S execution of the Agreement and before work commences.

Exhibit C

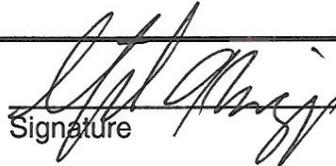
DISCLOSURE OF CONFLICT OF INTEREST

Monterey Street Separation and Overhead Rehabilitation
PROJECT TITLE

		YES*	NO
1	Are you currently in litigation with the City of Fresno or any of its agents?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2	Do you represent any firm, organization or person who is in litigation with the City of Fresno?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3	Do you currently represent or perform work for any clients who do business with the City of Fresno?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4	Are you or any of your principals, managers or professionals, owners or investors in a business which does business with the City of Fresno, or in a business which is in litigation with the City of Fresno?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5	Are you or any of your principals, managers or professionals, related by blood or marriage to any City of Fresno employee who has any significant role in the subject matter of this service?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6	Do you or any of your subcontractors have, or expect to have, any interest, direct or indirect, in any other contract in connection with this Project?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
* If the answer to any question is yes, please explain in full below.			

Explanation: _____

Additional page(s) attached.


Signature

Stephen A. Biggs
(name)

Biggs Cardosa Associates, Inc.
(company)

865 The Alameda
(address)

San Jose, CA 95126
(city state zip)