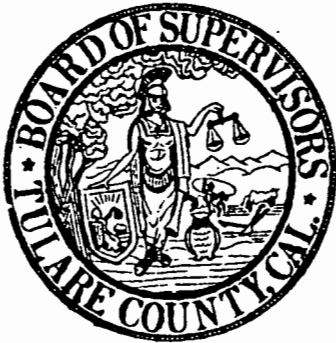


**BEFORE THE BOARD OF SUPERVISORS
COUNTY OF TULARE, STATE OF CALIFORNIA**

IN THE MATTER OF FIRST AMENDMENT)
TO AGREEMENT NO. 26845 WITH BIGGS) Resolution No. 2018-0467
CARDOSA ASSOCIATES FOR THE D129) Agreement No. 26845-A
SAND CREEK BRIDGE PROJECT)

UPON MOTION OF SUPERVISOR ENNIS, SECONDED BY SUPERVISOR VANDER POEL, THE FOLLOWING WAS ADOPTED BY THE BOARD OF SUPERVISORS, AT AN OFFICIAL MEETING HELD JUNE 12, 2018, BY THE FOLLOWING VOTE:

AYES: SUPERVISORS CROCKER, VANDER POEL, SHUKLIAN, WORTHLEY,
AND ENNIS
NOES: NONE
ABSTAIN: NONE
ABSENT: NONE



ATTEST: MICHAEL C. SPATA
COUNTY ADMINISTRATIVE OFFICER/
CLERK, BOARD OF SUPERVISORS

BY: Mary Ravello
Deputy Clerk

1. Approved the First Amendment to Agreement No. 26845 with Biggs Cardosa Associates to increase the original contract amount by \$56,300 for Construction Support Services for the D129 Sand Creek Bridge Project; and
3. Authorized the Chairman to sign the First Amendment to Agreement No. 26845.

RMA

HAR
06/12/2018



**RESOURCE
MANAGEMENT AGENCY
COUNTY OF TULARE
AGENDA ITEM**

BOARD OF SUPERVISORS

KUYLER CROCKER
District One
PETE VANDER POEL
District Two
AMY SHUKLIAN
District Three
J STEVEN WORTHLEY
District Four
MIKE ENNIS
District Five

AGENDA DATE: June 12, 2018

Public Hearing Required	Yes <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Scheduled Public Hearing w/Clerk	Yes <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Published Notice Required	Yes <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Advertised Published Notice	Yes <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
County Counsel Sign-Off	Yes <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
Contract via Streamline	Yes <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Meet & Confer Required	Yes <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Electronic file(s) has been sent	Yes <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
Budget Transfer (Aud 308) attached	Yes <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Personnel Resolution attached	Yes <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Agreements are attached and signature line for Chairman is marked with tab(s)/flag(s)	Yes <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>

CONTACT PERSON: Celeste Perez PHONE: (559) 624-7010

SUBJECT: First Amendment to Agreement No. 26845 with Biggs Cardosa Associates for the D129 Sand Creek Bridge Project

REQUEST(S):
That the Board of Supervisors:

1. Approve the First Amendment to Agreement No. 26845 with Biggs Cardosa Associates to increase the original contract amount by \$56,300 for Construction Support Services for the D129 Sand Creek Bridge Project; and
2. Authorize the Chairman to sign the First Amendment to Agreement No. 26845.

SUMMARY:
On January 9, 2014, Tulare County received federal authorization to proceed with the engineering and environmental document phase for the D129 Sand Creek Bridge Project (Br. No. 46C-0187).

The existing D129 Sand Creek Bridge is in need of replacement for several reasons, including but not limited to: 1) D129 is a two lane road but the bridge is a one lane structure, and does not meet current engineering standards for bridge width; 2) the bridge has been classified as Scour Critical and bridge foundations have been determined to be unstable for assessed or calculated scour, and; 3) the bridge was constructed in 1938 and is experiencing advanced concrete degradation, spalling and cracking throughout the structure. The project is located on D129 (Roller Drive) over Sand Creek approximately 0.25 miles east of State

SUBJECT: First Amendment to Agreement No. 26845 with Biggs Cardosa Associates for the D129 Sand Creek Bridge Project

DATE: June 12, 2018

Route 63.

The County, in cooperation with the California Department of Transportation (Caltrans), proposes to replace the existing structure with an approximately 70-foot long by 35-foot wide, two lane bridge to provide improved safety and operations on the facility. Minor improvements to Road D129 leading up to the bridge will take place as part of the bridge replacement project.

The Federal Highway Administration (FHWA) has delegated authority for administering the Highway Bridge Program (HBP) funds in California to Caltrans. As such, the selected alternative for this project must meet Caltrans and FHWA requirements.

On March 27, 2018, Tulare County received federal authorization to proceed with the construction phase of this project, granting County staff ability to procure all required services related to construction. This contract amendment includes the additional scope and fee required by Biggs Cardosa Associates to perform construction support services during construction of the new Sand Creek Bridge. Services include reviewing contractor requests for information (RFI's) and construction submittals, performing periodic construction observation and assisting the County with any design related issues during construction.

The amendment will increase the contract amount by \$56,300 to cover all previously described changes to the original project scope, bringing the new not to exceed dollar amount for services by Biggs Cardosa Associates to \$386,300.

The additional items of work identified under this agreement amendment will be performed under the same terms and conditions as in the original agreement, unless otherwise stated.

FISCAL IMPACT/FINANCING:

There is No Net County Cost to the General Fund.

The initial contract with Biggs Cardosa Associates for the D129 Sand Creek Bridge Project was approved by your Board in the amount of \$330,000 (Tulare County Agreement No. 26845).

The additional construction support services, in the amount of \$56,300, will be fully funded by the Federal Highway Administration (FHWA) through the Highway Bridge Program (HBP) with the use of "toll credits."

LINKAGE TO THE COUNTY OF TULARE STRATEGIC BUSINESS PLAN:

Safety and Security and Economic Well Being – This project will enhance the safety and security of the public by improving the transportation infrastructure for both the general population in the region and the motorists using this facility.

SUBJECT: First Amendment to Agreement No. 26845 with Biggs Cardosa Associates for the D129 Sand Creek Bridge Project

DATE: June 12, 2018

ADMINISTRATIVE SIGN-OFF:



Reed Schenke, P.E.

Director

RS:jv

cc: County Administrative Office

Attachment(s): Attachment A – First Amendment to Agreement No. 26845 with Biggs Cardosa Associates for the D129 Sand Creek Bridge Project

Exhibit A - 1

Additional Scope of Work and Cost Summary

**BIGGS CARDOSA
ASSOCIATES INC
STRUCTURAL ENGINEERS**

888 The Alameda
San Jose, CA 95128-3198
Telephone: 408-288-5515
Facsimile: 408-288-8114

May 25, 2018
2014290B

Tulare County Resource Management Agency
5961 South Mooney Boulevard
Visalia, CA 93277

Attention: Mr. Jason Vivian

Subject: Road D129 Bridge (Replacement) over Sand Creek Project
Construction Services Proposal

Dear Jason:

Biggs Cardosa Associates, Inc. is pleased to submit the following cost proposal to provide construction engineering services on the subject project.

This proposal covers the following services:

- A. Project management during construction and attending the preconstruction, construction kick-off, and up to 3 construction progress meetings.
- B. Provide Resident Engineer coordination and support including RE File coordination and clarifications.
- C. Construction site visits (total 4 max) during construction as required.
- D. Perform the review of all structural shop drawings and structural submittals required by the project specifications and the Caltrans Standard Specifications. We have assumed that the County's Resident Engineer / Structure Representative will be selective with requesting field level submittals to be reviewed by the Design Engineer to minimize the number of these additional field level submittal required to be reviewed by the Design Engineer.
- E. Respond to RFIs and developing associated CCOs to clarify the construction documents during construction.
- F. Provide As-Built Drawings based on Contractor's red-lined changes. The as-built mark-ups will be hand-drafted on the original signed vellums per current Caltrans Structures guidelines.
- G. Geotechnical support services including review of pile driving system submittals and field observation during pile driving to verify all conditions in accordance with LOTB.

We propose to provide the requested design scope of services on a **time and materials basis, not to exceed \$56,300**, including expenses.

Our billing rates and reimbursable expenses are per the attached rate schedule. Please note that rates shown are current for the period 10/1/2017 to 09/30/2018. Biggs Cardosa Associates gives raises to employees and adjusts rates every year effective October 1. Rates for subsequent years (starting on 10/1/2018) will be per our standard billing rate schedule for that year, but in no event will rates increase at more than 5% per year.

Assumptions:

- ◆ The project construction will start in July 2018 and the construction duration will last no longer than 7 months.
- ◆ A maximum of 6 site visit including the preconstruction meeting and construction kick-off meeting as well as the prestressing inspections performed on the days of the prestressing operations will be required over the course of construction.
- ◆ The County's Resident Engineer / Structure Representative will be selective with requesting field level submittals to be reviewed by the Design Engineer to minimize the number of these additional field level submittal required to be reviewed by the Design Engineer.
- ◆ Responding to RFIs and developing associated CCOs to address contractor errors, alternative construction method requests, or unforeseeable construction field issues (contractor scheduling, contractor equipment limitations, 3rd party coordination/limitations, undocumented existing conditions, etc) that could not typically have been anticipated during design development is not included in the scope of services but can be added as Extra Work Requests as required.
- ◆ The pile installation requiring geotechnical observation will require a maximum of 5 days.

Should you have any questions, please do not hesitate to call.

Sincerely,

BIGGS CARDOSA
ASSOCIATES, INC.



Ronald Oen, PE
Associate

CHARGE RATE SCHEDULE

Principal	\$224.00 - \$288.00
Associate	200.00
Engineering Manager	172.00
Project Administrator	140.00
Senior Engineer	156.00
Project Engineer	140.00
Staff Engineer	128.00
Assistant Engineer	118.00
Junior Engineer	110.00
Senior Computer Drafter	127.00
Computer Drafter	110.00
Junior Computer Drafter	100.00
Secretarial Services	92.00
Construction Manager	208.00
Senior Structural Representative	182.00
Structural Representative	162.00
Assistant Structures Representative	130.00
Senior Bridge Inspector	162.00
Subconsultants	Cost Plus 10%
Expenses	Cost Plus 15%
In-House CADD Plots	
Prints	\$0.30/ sq. ft.
Plots	\$1.50/ sq. ft.
Mylar Plots	\$3.00/ sq. ft.

Charge Rates Applicable October 1, 2017 Thru September 30, 2018



Charge Rates Applicable October 1, 2017 Thru September 30, 2018

