

AMENDMENT NO. 8

AGREEMENT FOR PROFESSIONAL SERVICES
FOR
ENGINEERING SERVICES
BETWEEN
THREE RIVERS LEVEE IMPROVEMENT AUTHORITY AND
CTA ENGINEERING AND SURVEYING

THIS EIGHTH AMENDATORY AGREEMENT is made effective SEPT 19, 2017, by and between Three Rivers Levee Improvement Authority (“TRLIA”) and CTA Engineering and Surveying (“Consultant”), who agree as follows:

1. **Recitals.** This Amendment is made with reference to the following background recitals:
 - 1.1. Effective March 2, 2010 the parties entered into an Agreement for Professional Services relating to Surveying Services for TRLIA’s Construction Program for an amount of \$47,500 and a contract termination date of December 31, 2011.
 - 1.2. Effective August 3, 2010 the parties entered into the first Amendatory Agreement that increased the budget by \$14,500 for a total contract amount of \$62,000.
 - 1.3. Effective February 15, 2011 the parties entered into the second Amendatory Agreement that increased the budget by \$75,000 for a total contract amount of \$137,000.
 - 1.4. Effective January 17, 2012 the parties entered into the third Amendatory Agreement that extended the contract termination date to December 31, 2012.
 - 1.5. Effective August 28, 2012 the parties entered into the fourth Amendatory Agreement that increased the budget by \$28,000 for a total contract amount of \$165,000 and extended the contract termination date to December 31, 2013.
 - 1.6. Effective January 21, 2014 the parties entered into a fifth Amendatory Agreement that added an additional Task 11 (Upper Yuba River RE Support), reallocated tasks budgets, and extended the contract termination date to December 31, 2015.
 - 1.7. Effective February 17, 2015 the parties entered into a sixth Amendatory Agreement that increased the budget by \$52,415 to a total contract amount of \$217,415 and extended the contract termination date to December 31, 2016.
 - 1.8. Effective April 19, 2016 the parties entered into a seventh Amendatory Agreement that increased the budget by \$190,700 to a total contract amount of \$408,115 and extended the contract termination date to December 31, 2018.

1.9. Article C.24 of the AGREEMENT, states that modifications or amendments to the terms of the AGREEMENT shall be in writing and executed by both parties;

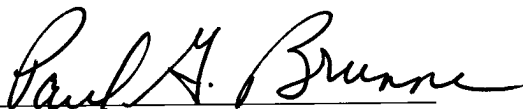
1.10. TRLIA and the CONSULTANT desire to amend the AGREEMENT;

NOW, THEREFORE, TRLIA and the CONSULTANT agree as follows.


2. **Eighth Amendment to Agreement.** The Professional Services Agreement is hereby amended as follows:
 - 2.1. The payment, budget, and not-to-exceed amounts, Condition B.1 in Attachment B to the Agreement for Professional Services between TRLIA and CTA Engineering and Surveying will be modified to expand and specify the efforts of Task 13 and add Task 14 and increase the Task 13 budget by \$59,000 and add budget for Task 14 of \$23,500 for a total contract budget increase of \$82,500 to a total contract amount of \$490,615. The specific efforts and budget breakdown for the amended Task 13 and new Task 14 is shown on the attached Exhibit 1.
3. **No Effect on Other Provisions.** Except for the amendments in Section 2, the remaining provisions of the Professional Services Agreement as amended shall be unaffected and remain in full force and effect.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on
SEPTEMBER 19, 2017.


THREE RIVERS LEVEE
IMPROVEMENT AUTHORITY


Paul G. Brunner
Executive Director


CTA ENGINEERING AND
SURVEYING


~~Kevin A. Heeney~~ BRIAN FRAZIER
Vice-President

ATTEST:
DONNA STOTTEMEYER
CLERK OF THE BOARD OF DIRECTORS



APPROVED AS TO FORM:
ANDREA CLARK
GENERAL COUNSEL



Amendment 8
Scope of Services - Land Surveying Services
Three Rivers Levee Improvement Authority
Task 13 - Yuba Goldfields 200-Year Project and
Task 14 Bear River Setback Area Transfer
Yuba County, CA

Task 13 - Yuba Goldfields 200-Year Project

ASSUMPTIONS

1. This proposal is based on the assumption that seventeen (17) parcels will require the acquisition of some form of real estate interest for this project and that each of these parcels will likely require two (2) types of acquisition. One permanent acquisition and one temporary acquisition for construction purposes.
2. Title Services, including copies of preliminary title reports, copies of all exception documents and other records research will be provided by a title company or other source.
3. Any and all right of entry requirements will be coordinated by others.
4. All work will conform to the requirements of the State of California, Department of Water Resources Geodetic Branch (DWR).
5. The final alignment and right of way limits will be provided in AutoCAD format by others, based upon the Land Net prepared by CTA Engineering & Surveying.
6. One set of right of way stakes for each parcel will be required during acquisition negotiations. Eight trips total assumed to complete this task.
7. No construction staking services are included in this proposal.

- A. Development of Project Land Net.....\$50,000.00**
1. Research all relevant land and survey records which may include the County Surveyor's office, County Recorder's office, local Reclamation Districts and other governmental agencies.
 2. Establish project control to be used in the development of the Land Net and right of way staking. Such control will be tied to the Geodetic Control performed in November, 2015 by CTA and Frame Surveying and Mapping.
 3. Develop a survey plan and outline for the field reconnaissance and survey of street centerline monuments, private property corners, government land boundary monuments and other physical features which could be significant in resolving the Land Net. This plan and outline will be reviewed with field personnel prior to commencing the field surveys.
 4. Conduct field surveys using GPS and total station methods (as necessary) of the Land Net monuments and other physical features. Field notes and digital photographs will be maintained to accurately describe each found monument and its relationship to the surrounding area and record data. Monuments found that are not of record will also be tied and evaluated with the Land Net.
 5. The Project Surveyor and staff will reconcile the record information with the compiled field data information. This work will be performed in accordance with accepted professional land surveying practices and laws. In the event the Project Surveyor does not feel sufficient monuments have been found to fully develop the land net, additional field surveys and inspections will be performed.
 6. Review the provided Preliminary Title reports and establish the location of any easements affecting each parcel. Easements which cannot be located based upon the record information or physical evidence will be noted on the Land Net.
- B. Preparation of Real Estate Right of Way Requirements Exhibit.....\$7,000.00**
1. Prepare such exhibit to include the following:
 - a) County Assessor's Parcel Numbers
 - b) Property Lines
 - c) Flood Control Structure to be built (or existing at the time)
 - d) Existing easements of record and proposed easements or acquisitions
 - e) Known public utilities and any proposed relocations
 - f) Known private utilities and any proposed relocations
 - g) Any Mitigation sites, borrow sites or spoil sites
 - h) Access and haul routes
 - i) Construction staging areas

- C. Preparation of Legal Descriptions and Exhibit Plats.....\$24,500.00**
 - 1. Using the provided right of way limits, calculate each acquisition to be acquired from each parcel.
 - 2. Prepare a legal description to be used in connection with each acquisition.
 - 3. Prepare an exhibit plat to be used in connection with each acquisition.
 - 4. Prepare closure calculations for each acquisition.
 - 5. Submit each legal description and exhibit plat to DWR for review, along with copies of title documents field notes, photographs and the Land Net. Respond to all comments and process for approval.
 - 6. Provide originally signed and stamped legal descriptions and exhibit plats to BRI for use in each acquisition.
- D. Right of Way Staking for Appraisals and Acquisitions.....\$16,100.00**
 - 1. Field stake the proposed acquisition, both permanent and temporary as requested.
 - 2. Provide a staking reference sheet identifying the points staked in the field as they relate to the actual property in question.
 - 3. Staked points will be set so to be intervisible and at a maximum spacing of 200 feet.
- E. Monumentation of Acquired Property or Easement Boundaries.....\$11,400.00**
 - 1. Set monuments along the acquired property or right of way line at each angle point, beginning and ending of curve or at 1000' intervals along tangent sections.
 - 2. Monuments will consist of 3/4" iron pipes with aluminum caps stamped appropriately.
 - 3. Prepare a Record of Survey in conformance with the Land Surveyor's Act and submit to DWR for review.
 - 4. File the Record of Survey with the Yuba County Surveyor's office and process for recording.

Total Task 13 Budget:.....\$109,000.00

Task 14 – Bear River Setback Area Transfer

ASSUMPTIONS

- 1. This proposal is based on the assumption that eight (8) parcels will be involved in the transfer.
- 2. A Record of Survey is not included in this proposal.
- 3. The setting of monuments is not included in this proposal.
- 4. Any and all right of entry requirements will be coordinated by others.
- 5. All work will conform to the requirements of the State of California, Department of Water Resources Geodetic Branch (DWR).

SCOPE OF SERVICE AND FEES for TASK 13

- A. Development of Land Net.....\$20,000.00**
- B. Preparation of Real Estate Right of Way Transfer Exhibit.....\$3,500.00**

Total Task 14 Budget:.....\$23,500.00

Total Amendment 8 Budget:.....\$132,500.00