

AMENDMENT NO. 15

AGREEMENT FOR PROFESSIONAL SERVICES  
BETWEEN  
THREE RIVERS LEVEE IMPROVEMENT AUTHORITY  
AND  
MBK ENGINEERS

THIS FIFTEENTH AMENDATORY AGREEMENT is made and entered into this 28<sup>th</sup> day of September, 2010, by and between the THREE RIVERS LEVEE IMPROVEMENT AUTHORITY ("TRLIA") and MBK ENGINEERS ("CONTRACTOR"), who agree as follows:

1. **Recitals.** This Amendment is made with reference to the following background recitals:
  - 1.1. Effective August 23, 2003, the parties entered into an agreement ("AGREEMENT") to provide basic services with a contract value of \$55,800 and an end date of February 3, 2004.
  - 1.2. Effective September 11, 2003, the parties entered into Amendment 1 to the AGREEMENT in the amount of \$8,000 for a total contract value of \$63,800.
  - 1.3. Effective January 6, 2004, the parties entered into Amendment 2 to the AGREEMENT in the amount of \$30,000 for a total contract value of \$93,800.
  - 1.4. Effective March 19, 2004, the parties entered into Amendment 3 to the AGREEMENT in the amount of \$45,400 for a total contract value of \$139,200 and to extend the contract end date to March 30, 2004.
  - 1.5. Effective April 22, 2004, the parties entered into Amendment 4 to the AGREEMENT in the amount of \$50,100 for a total contract value of \$189,300 and to extend the contract end date to July 31, 2004.
  - 1.6. Effective August 3, 2004, the parties entered into Amendment 5 to the AGREEMENT in the amount of \$8,000 for a total contract value of \$197,300 and to extend the contract end date to September 7, 2004.
  - 1.7. Effective October 6, 2004, the parties entered into Amendment 6 to the AGREEMENT in the amount of \$97,650 for a total contract value of \$294,950 and to extend the contract end date to December 7, 2004.
  - 1.8. Effective January 26, 2005, the parties entered into Amendment 7 to the AGREEMENT in the amount of \$35,000 for a total contract value of \$329,950 and to extend the contract end date to April 30, 2005.
  - 1.9. Effective March 15, 2005, the parties entered into Amendment 8 to the AGREEMENT in the amount of \$108,200 for a total contract value of \$438,150.
  - 1.10. Effective September 6, 2005, the parties entered into Amendment 9 to the AGREEMENT in the amount of \$187,200 for a total contract value of \$625,350 and to extend the contract end date to July 31, 2006.
  - 1.11. Effective April 18, 2006, the parties entered into Amendment 10 to the AGREEMENT in the amount of \$549,359 for a total contract value of \$1,174,709 and to extend the contract end date to December 31, 2006.
  - 1.12. Effective December 12, 2006, the parties entered into Amendment 11 to the AGREEMENT in the amount of \$707,980 for a total contract value of \$1,882,689 and to extend the contract end date to December 31, 2007.

- 1.13. Effective January 8, 2008, the parties entered into Amendment 12 to the AGREEMENT in the amount of \$629,056 for a total contract value of \$2,511,745 and to extend the contract end date to December 31, 2008.
- 1.14. Effective January 27, 2009, the parties entered into Amendment 13 to the AGREEMENT in the amount of \$572,472 for a total contract value of \$3,084,217 and to extend the contract end date to December 31, 2009.
- 1.15. Effective December 15, 2009, the parties entered into Amendment 14 to the AGREEMENT in the amount of \$569,020 for a total contract value of \$3,653,237 and to extend the contract end date to December 31, 2010.
- 1.16. The parties now desire to amend the AGREEMENT to modify the scope of services, total contract value and contract end date.

**2. Fifteenth Amendment to Agreement.** The AGREEMENT is hereby amended as follows:

- 2.1. The scope of services is amended by the scope of work as described in Attachment A.
- 2.2. The total contract value is amended in the amount of \$661,887 for a total contract value of \$4,315,124.
- 2.3. The contract end date is extended to December 31, 2011

**3. No Effect on Other Provisions.** Except for the amendments in Section 2, the remaining provisions of the Professional Services Agreement shall be unaffected and remain in full force and effect.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on

9-28-10, 2010.

THREE RIVERS LEVEE IMPROVEMENT  
AUTHORITY



Paul G. Brunner  
Executive Director

MBK ENGINEERS

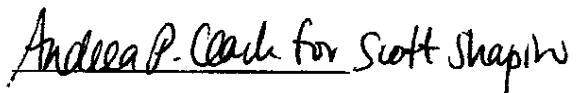


Ric Reinhardt  
Principal

ATTEST:  
DONNA STOTTEMEYER  
SECRETARY, THREE RIVERS



APPROVED AS TO FORM:  
SCOTT L. SHAPIRO  
GENERAL COUNSEL, TRRIA



**AMENDMENT 15 TO TRLIA/MBK CONTRACT**  
**Scope of Work**

As the TRLIA Program nears the completion of design and construction efforts, the focus of management turns from design and permitting to final completion tasks. As a part of implementing the TRLIA program, many permits have been obtained which have placed requirements for land acquisition, environmental monitoring and reporting, and interim land management on TRLIA. In addition EIP Funding Agreements require several completion documents to meet the agreement requirements. MBK has extensive program knowledge and has helped to procure many of the permits that TRLIA has acquired for construction. MBK will assist TRLIA in this program completion phase by providing management direction in defining ongoing permit requirements and arranging for those requirements to be met. MBK will also assist in the construction of the Upper Yuba Levee Improvement Project that will occur in 2011 and complete the Goldfields analysis and assist in evaluating any potential alternatives in the Goldfields if required. The following is a listing of tasks and a general level of estimated involvement for MBK from November 1, 2010 to December 31, 2011.

**Task 1 – General TRLIA Management Activities**

- CVFPB coordination and preparation of the monthly TRLIA Status Report to the CVFPB
- Respond to questions and requests for information regarding historic TRLIA Program
- Review and respond to DWR Urban Levee Evaluation results
- Review ALL permits and agreements to determine what has not been done and ongoing requirements
- Provide EIP Funding Agreement Support, continue to meet with County to be certain that TRLIA invoices are coded to the correct accounts for DWR Agreement purposes
- Support CVFPB Required ROW Acquisition
- Develop RD 784 Levee System Vegetation Survey and Action Plan to meet emphasized Corps requirements for vegetation management on levees
- Coordination with the Corps and FEMA on FEMA certification issues
- General Coordination – Coordination on project issues with TRLIA staff, floodplain mapping outreach, land use adjacent to levees, public meetings, prepare PowerPoint presentations, prepare other correspondence, coordination and meetings with stakeholders, and Board Meetings.

**Effort – 126 Hours Principal    393 Hours Project Manager**  
**62 Hours Water Resources Associate    \$7,000 Expenses**

**Total Cost Task 1 = \$115,031**

**Task 2 – UYLIP Management Activities**

- Continue Section 408 and Section 104 coordination with the Corps and provide support during approval process
- Manage Elderberry Relocation
- Provide Engineering & Design Management during Construction
- Manage Safety Assurance Review during Construction

- Coordinate preparation of the Construction Completion Report
- Prepare O&M Manual Addendum
- Assist in Potential Eminent Domain Cases
- Support EIP Discussions with DWR Flood Safe team
- Review and comment on EIP Quarterly Work Plans
- Review and comment on EIP Quarterly Progress Reports
- Prepare the EIP Project Completion Report
- Prepare the EIP Post Construction Performance Report
- Assist in the EIP OMRR&R Agreement
- Prepare the EIP OMRR&R Manual

**Effort – 148 Hours Principal    612 Hours Project Manager  
24 Hours Water Resources Associate**

**Total Cost Task 2 = \$149,644**

**Task 3 – FEMA 100-Year Certification UYLIP**

TRLIA will need to certify the upper Yuba levee as meeting FEMA's 100-year requirements. This effort will include the results from the Goldfields modeling to either confirm there is not a problem at the 100 year event, or if there is, mapping the residual floodplains. MBK will manage the preparation of the 100-year certification summary report and will organize and prepare for submittal the final summary report.

**Effort – 36 Hours Principal    70 Hours Project Manager  
32 Hours Supervisory Engineer    24 Hours Assistant Engineer  
16 Hours Water Resources Associate**

**Total Cost Task 3 = \$32,170**

**Task 4 – SB 5 200-Year Certification**

TRLIA will need to certify the RD 784 levee system to the Department of Water Resources for the 200-year protection required by Senate Bill 5. The exact requirements for this certification are unknown but it is expected that the same sort of information recently provided in the FEMA Certification Summary Report will be required. MBK will manage the preparation of the 200-year certification summary report and will organize and prepare for submittal the final summary report.

**Effort – 60 Hours Principal    100 Hours Project Manager  
72 Hours Supervisory Engineer    60 Hours Assistant Engineer  
48 Hours Water Resources Associate**

**Total Cost Task 4 = \$59,080**

### **Task 5 – Feather Levee Management**

- Assist in obtaining Vegetated Wave Buffer Encroachment Permit
- Assist in obtaining FRET Encroachment permit
- Assist in Setback Area Land Management
- Manage Mitigation Plantings and Monitoring
- Assist in Setback ROW Turnover
- Provide assistance in Eminent Domain Cases
- Coordination with the Lower Feather River Corridor Management
- Manage the repair of PS 2 V Ditch
- Support EIP Discussions with DWR Flood Safe team
- Review and comment on EIP Quarterly Work Plans
- Review and comment on EIP Quarterly Progress Reports
- Prepare the EIP Project Completion Report
- Prepare the EIP Post Construction Performance Report
- Assist in the EIP OMRR&R Agreement
- Prepare the EIP OMRR&R Manual

**Effort – 56 Hours Principal 274 Hours Project Manager 24 Hours Assistant Engineer  
64 Hours Water Resources Associate**

**Total Cost Task 5 = \$73,598**

### **Task 6 – Bear Levee Management**

- Clarify and Manage Mitigation Monitoring
- Assist in Setback Area ROW Turnover

**Effort – 16 Hours Principal 80 Hours Project Manager  
16 Hours Water Resources Associate**

**Total Cost Task 6 = \$20,240**

### **Task 7 – Goldfields Analysis**

- Complete Hydraulic Analysis
- Manage Alternative Analysis
- Coordinate with Stakeholders
- Manage Environmental, Design, & Funding for Selected Solution.
- Create floodplain maps showing 100-year and 200-year floodplains from the Goldfields.
- QA/QC model and mapping results
- Coordinate effort with CVFPB and Corps

**Effort – 172 Hours Principal 212 Hours Project Manager  
324 Hours Supervisory Engineer 432 Hours Assistant Engineer  
144 Hours Water Resources Associate**

**Total Cost Task 7 = \$212,124**

**Total Amendment 15 Costs for Tasks 1-7 = \$661,887 for the period  
November 1, 2010 to December 31, 2011.**

The AGREEMENT shall be amended to extend the contract end date to December 31, 2011.

The AGREEMENT shall be amended to increase the price ceiling for basic services by \$661,887  
from \$3,653,237 to \$4,315,124

All other terms and conditions contained in the Agreement shall remain in full force and effect.