



THREE RIVERS LEVEE IMPROVEMENT AUTHORITY

JANUARY 18, 2005 – SPECIAL MEETING

Yuba County Government Center
Board of Supervisors' Chambers
915 Eighth Street, Suite 109A
Marysville, California

Unless otherwise indicated.

No other business shall be conducted at this meeting. The public shall have an opportunity to address the Authority only with respect to items set forth in this agenda. Each individual or group will be limited to no more than five minutes. Prior to this time, speakers must fill out a "Request to Speak" card and submit it to the Clerk of the Board of Supervisors.

- 3:30 P.M. I CALL TO ORDER
- II ROLL CALL – Directors Rick Brown, Mary Jane Griego, Dan Logue, Richard Webb
- III BOARD AND STAFF MEMBERS' REPORTS
- IV ACTION ITEMS
- A. Minutes: Approve minutes of the meetings of January 4 (continued from January 11, 2005), January 11, 12, and 13, 2005.
- B. Phase II Levee Repairs: Approve revised scope, schedule, and fee proposal for Phase II Levee Repairs.
- C. Bookman-Edmonston Agreement: Approve agreement with Bookman-Edmonston to perform engineering and related services necessary to construct the setback levee on the Bear River and authorize the Executive Director to execute same.
- V ADJOURN

THREE RIVERS LEVEE IMPROVEMENT AUTHORITY

MINUTES – BOARD OF DIRECTORS

JANUARY 4, 2005

A meeting of the Board of Directors of the Three Rivers Levee Improvement Authority was held on the above date, commencing at 3:37 p.m., within the Government Center, Marysville, California, with a quorum being present as follows: Directors Mary Jane Griego, Dan Logue, and Richard Webb. Director Rick Brown was absent. Also present were Executive Director Kent McClain and Clerk of the Board of Supervisors/Secretary Donna Stottlemeyer. Chairman Webb presided.

BOARD AND STAFF MEMBERS' REPORTS

Director Griego reported on the Reclamation Board advisory committee meeting held today regarding permitting issues.

Assistant County Administrator Randy Margo discussed a risk loss analysis status report proposed by developers.

ACTION ITEMS

- A. Minutes: Upon motion of Director Griego, seconded by Director Logue, and carried with Director Brown being absent, the Board approved the minutes of the meetings of December 7, 14, and 21, 2004, as written. APPROVE MINUTES
- B. Invoice Payment: Upon motion of Director Logue, seconded by Director Griego, and carried with Director Brown being absent, the Board authorized the Yuba County Auditor-Controller to pay an invoice submitted by Nordic Industries, Inc. in the amount of \$283, 095 for the Yuba River Levee Repair Project. AUTHORIZE PAYMENT
- C. Downey Brand Agreement: Upon motion of Director Logue, seconded by Director Griego, and carried with Director Brown being absent, the Board authorized the Executive Director to negotiate an extended agreement with Downey Brand for legal services and authorized the Yuba County Auditor-Controller to pay an invoice submitted in the amount of \$17,727.13. AUTHORIZE NEGOTIATION AND PAYMENT

PUBLIC COMMUNICATIONS

No one came forward.

CLOSED SESSION

The Board retired into closed session at 3:56 p.m. to discuss threatened litigation pursuant to Government Code §54956.9(b) – One Case.

The Board returned from closed session at 5:38 p.m. with all Board and staff members present as indicated above. There was no announcement.

ADJOURNMENT

There being no further business to come before the Three Rivers Levee Improvement Authority the meeting was adjourned at 5:38 p.m. by Chairman Webb.

_____ Chairman

ATTEST: DONNA STOTTLEMAYER
CLERK OF THE BOARD OF SUPERVISORS
AND SECRETARY OF THE PUBLIC AUTHORITY

_____ Approved: _____

THREE RIVERS LEVEE IMPROVEMENT AUTHORITY

COUNTY OF YUBA

MINUTES – BOARD OF DIRECTORS

JANUARY 11, 2005

A meeting of the Board of Directors of the Three Rivers Levee Improvement Authority was scheduled on the above date, to commence at 2:00 p.m., within the Government Center, Marysville, California, with those being present as follows: Directors Mary Jane Griego, Richard Webb. Directors Rick Brown and Dan Logue were absent. Also present were Executive Director Kent McClain, and Clerk of the Board of Supervisors/Secretary Donna Stottlemeyer.

The Clerk announced the meeting was cancelled due to lack of a quorum.

Chairman

ATTEST: DONNA STOTTLEMEYER
CLERK OF THE BOARD OF SUPERVISORS
AND SECRETARY OF THE PUBLIC AUTHORITY

Approved: _____

THREE RIVERS LEVEE IMPROVEMENT AUTHORITY

MINUTES – BOARD OF DIRECTORS

JANUARY 12, 2005 – SPECIAL MEETING

A meeting of the Board of Directors of the Three Rivers Levee Improvement Authority was held on the above date, commencing at 3:02 p.m., within the Government Center, Marysville, California, with a quorum being present as follows: Directors Rick Brown, Mary Jane Griego, Dan Logue, and Richard Webb. Also present were Executive Director Kent McClain, County Counsel Daniel Montgomery, and Clerk of the Board of Supervisors/Secretary Donna Stottlemeyer. Chairman Webb presided.

ACTION ITEMS

Design Grant: Upon motion of Director Logue, seconded by Director Griego, and unanimously carried, the Authority authorized the Executive Director to execute contracts with the State Department of Water Resources accepting grants for levee improvement projects in the amount of \$3,257,100 to design Bear-Feather Rivers Levee Setback element and \$1,575,554 to design Phase II Levee Repair element of the Yuba Feather River Supplemental Flood Control Project.

AUTHORIZE
GRANT
EXECUTION

ADJOURNMENT

There being no further business to come before the Three Rivers Levee Improvement Authority the meeting was adjourned at 3:10 p.m. by Chairman Webb.

Chairman

ATTEST: DONNA STOTTLEMEYER
CLERK OF THE BOARD OF SUPERVISORS
AND SECRETARY OF THE PUBLIC AUTHORITY

Approved: _____

THREE RIVERS LEVEE IMPROVEMENT AUTHORITY

MINUTES – BOARD OF DIRECTORS

JANUARY 12, 2005 – SPECIAL MEETING

A meeting of the Board of Directors of the Three Rivers Levee Improvement Authority was held on the above date, commencing at 3:33 p.m., within the Government Center, Marysville, California, with a quorum being present as follows: Directors Rick Brown, Mary Jane Griego, Dan Logue, and Richard Webb. Also present were Executive Director Kent McClain, County Counsel Daniel Montgomery, and Clerk of the Board of Supervisors/Secretary Donna Stottlemeyer. Chairman Webb presided.

CLOSED SESSION

The Board retired into closed session at 3:34 to discuss threatened litigation pursuant to Government Code §54956.9(b) – One Case.

Director Brown left closed session at 4:05. p.m.

The Board reconvened in open session at 4:14 p.m. with all Board and staff members present as indicated above, except Director Brown. There was no announcement from closed session.

ADJOURNMENT

There being no further business to come before the Three Rivers Levee Improvement Authority the meeting was adjourned at 3: p.m. by Chairman Webb.

Chairman

ATTEST: DONNA STOTTLEMEYER
CLERK OF THE BOARD OF SUPERVISORS
AND SECRETARY OF THE PUBLIC AUTHORITY

Approved: _____



THREE RIVERS LEVEE IMPROVEMENT AUTHORITY

Government Center
915 Eighth Street, Suite 115
Marysville, CA 95901-5273

Telephone: (530) 749-7575 Fax: (530) 749-7312

COPY OF GENERAL BOARD
DOCUMENT ON FILE WITH
CLERK OF THE BOARD

January 18, 2005

TO: Three Rivers Levee Improvement Authority
FROM: Randy Margo, Deputy Executive Director
SUBJECT: Amendments to Phase 2 Levee Repairs

Recommended Action

Revise the scope, schedule and fee proposal for the Phase 2 work as shown in the attachment submitted by HDR. Significant changes are as follows:

1. Relocation and redesign of Pump Station No. 6 including the addition of MHM Engineering as a subcontractor for this task.
2. Additional Geological work along the Yuba River.
3. Additional work tasks related to extension of Western Pacific Interceptor Canal Levee, including predesign, geotechnical borings, plans, specifications and engineering and coordination with MHM Engineering for a "corner levee" extension blocking the Clark Lateral and tying into the west embankment of State Route 70.
4. Additional environmental work and other tasks related to securing a State Reclamation Board Permit for Yuba River Levee improvements during 2005.
5. Proposed fee increase for this additional work is \$297,493.

Reason for Recommended Action

The additional work tasks are deemed necessary in order to complete Phase 2 levee improvements during 2005. The additional work tasks are not anticipated to affect the overall project schedule.

Background

Phase 2 levee improvements include repairs to the Upper Bear River, Western Pacific Interceptor Canal and Yuba River. The Authority has previously approved these projects along with the engineering design contracts. These change orders have been reviewed by staff, including the Public Works Director and are deemed necessary to complete the project.

Fiscal Impact

The proposed change orders would increase the original budget from \$928,747 to \$1,226,240, or \$297,493. Funding for this work is through the State Water Bond Act Grant (Proposition 13) accepted by your Authority last week.



December 30, 2004

Mr. Ric Reinhardt
MBK Engineers
2450 Alhambra Boulevard, 2nd Floor
Sacramento, CA 95817

RE: Proposed Modifications to Scope of Services dated October 21, 2004 – Engineering, Design and Environmental Services for Phase 2 Levee Repairs – Upper Bear River, WP Interceptor Canal and Yuba River

Dear Mr. Reinhardt:

Please refer to our First Amendatory Agreement with the Three Rivers Levee Improvement Authority (TRLIA), dated October 29, 2004.

We believe that it is advisable at this time to further modify the referenced agreement in order to accommodate changes resulting from TRLIA and Yuba County requests regarding Pump Station No. 6 and the WPIC extension, further technical coordination with USACE regarding the Yuba River Levee, and the need for an additional Reclamation Board permit for remaining Yuba River Levee work.

We have attached a revised scope, schedule and fee proposal for the Phase 2 work. In summary, the changes are as follows:

- ◆ **Task 1 – Project Management** No change.
- ◆ **Task 2 – Bear River and WPIC Levees Predesign** The original scope for the relocation of Pump Station No. 6 reflected replacement-in-kind of the existing system at a distance away from the existing levee. Per TRLIA directive during a conference call on December 2, 2004 between HDR, Yuba County, MBK, MHM, and RD 784, MHM has been added as a subconsultant and will complete the work associated with this task. The design now includes three pumps capable of 30 cfs, an automatic control gate at the gravity line outlet structure, a motor control center including a SCADA system, access routes, and erosion control.
- ◆ **Task 3 – Yuba River Levee Predesign** Based on USACE guidance, we recommend the scope for this task be expanded to include additional geotechnical analyses along the Yuba River levee. A meeting was held with USACE geotechnical staff to discuss their recent reanalysis of the left bank of the Yuba River and our proposed analysis for Phase 2 construction on the Yuba River levee. At the meeting, USACE staff stated the need for additional analysis to evaluate the effect of highly variable ground conditions (sensitivity analysis) and permeable gravels on final design of the selected alternatives, and to assess the end effects where mitigation structures end or overlap. As part of final design, additional seepage modeling would be performed to assist in selecting and designing economical and effective seepage mitigation that meets FEMA guidelines and current USACE design methodology.
- ◆ **Task 4 – WPIC Levee Extension Tasks** The WPIC levee extension work originally included as an optional service would now be exercised. This change is based on Yuba County's directive through the Director of Public Works, and was given in the aforementioned conference call. Originally, the scope of this task consisted only of predesign for a WPIC levee extension. The scope of this task now includes predesign, geotechnical borings, PS&E, and coordination with MHM for a "corner levee" extension blocking Clark Lateral and tying into the west embankment of State Route 70. HDR's

plans, technical specifications and engineer's estimate will be incorporated into Yuba County's South Olivehurst Detention Basin and Pump Station bid package being prepared by MHM.

- ◆ **Task 5 – Plans, Specifications & Estimates** As described in Task 2, the scope of work for the design of Pump Station No. 6 has increased to accommodate additional design requirements. PS&E for this design would be prepared by MHM as a subconsultant.
- ◆ **Task 6 – Right-of-Way, Easement and Utility Requirements** No change.
- ◆ **Task 7 – Environmental Documentation and Permits** We have included an additional Reclamation Board permit for the Upper Yuba River levee in this task. This required work was inadvertently left out of our earlier scope. The revised budget figure shown below for this task includes an additional \$7,800 for permit coordination for the Upper Bear / WPIC and Bear River Setback Levee. Please note that Mr. Jeff Twitchell has changed employers and now works at Wood Rodgers, Inc. We will be modifying our subconsultant agreement to move this work from Kleinschmidt to Wood Rodgers.
- ◆ **Task 8 – Pre-Bid Assistance and Construction Services** No change.

Please note that the above proposed modifications may affect individual task durations, but are not anticipated to affect the overall project schedule.

The following table summarizes the tasks and proposed changes in cost.

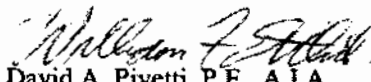
Item	Original Budget	Proposed Budget	Difference
Basic Services			
Task 1 - Project Management	\$170,350	\$170,350	0
Task 2 – Bear River and WPIC Predesign	\$50,654	\$61,732	\$11,078
Task 3 - Yuba River Predesign	\$28,748	\$100,328	\$71,580
Task 4 – WPIC Levee Extension Tasks	\$20,883	\$97,151	\$76,268
Task 5 – Plans, Specifications & Estimates	\$246,983	\$360,081	\$113,098
Task 6 – Right-of-Way, Easement Requirements, and Utility Coordination	\$27,819	\$27,819	0
Task 7 – Environmental Documents and Permits	\$289,803	\$315,272	\$25,469
Task 8 - Pre-Bid Assistance and Construction Support	\$93,507	\$93,507	0
Total - Basic Services (Phase II Work)	\$928,747	\$1,226,240	\$297,493

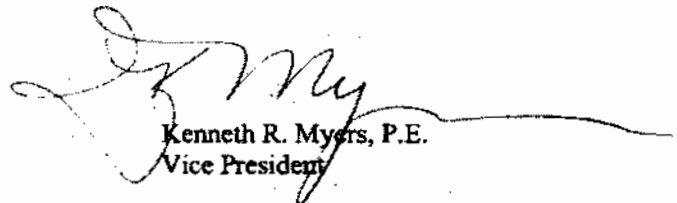
The price ceiling for Basic Services in the First Amending Agreement dated October 29, 2004 is \$2,087,747.00

We are requesting that the price ceiling be increased by \$297,493 to \$2,385,240 to accomplish the work outlined above.

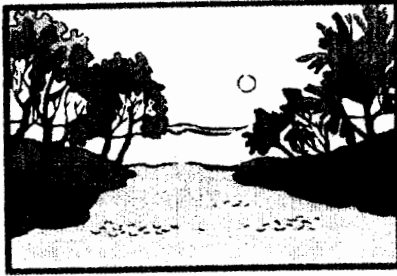
If you have any questions please call Mr. Ken Myers at (916) 817-4860.

Sincerely,


 David A. Pivetti, P.E., A.I.A.
 Senior Vice President


 Kenneth R. Myers, P.E.
 Vice President

Attachments



THREE RIVERS LEVEE IMPROVEMENT AUTHORITY

Government Center
915 Eighth Street, Suite 115
Marysville, CA 95901-5273

Telephone: (530) 749-7575 Fax: (530) 749-7312

COPY OF RESOLUTION
DOCUMENT ON FILE WITH
CLERK OF THE BOARD

January 18, 2005

TO: Three Rivers Levee Improvement Authority
FROM: Randy Margo, Assistant County Administrator *Randy Margo*
SUBJECT: Engineering Consulting Firm Contract for Setback Levee Project

Recommended Action

Authorize Executive Director to sign contract with Bookman-Edmonston to perform engineering and related services necessary to construct the setback levee on the Bear River.

Reason for Recommendation

The recommended action will allow these engineering services to begin.

Discussion

The Authority solicited proposals last month from engineering firms for the purpose of preparing plans and specifications for the Bear River Setback Levee Project this winter, in order to complete construction of this project by October 31, 2006. After proposals were received, the top two firms were interviewed on December 8, 2004. As a result of those interviews, it is recommended that the firm Bookman-Edmonston be selected to perform the engineering and related services. If the Authority Board approves this recommendation, staff will provide notice to proceed for work to begin.

Fiscal Impact

Funding for this contractual agreement would come from the 2000 State Water Bond Act (Proposition 13) grant that was submitted to the State Department of Water Resources earlier this year. The proposed fee for the work is \$2,671,000.

RECEIVED

JAN 10 2005

ADMINISTRATION



Geotechnical
Environmental and
Water Resources
Engineering

January 10, 2005

Mr. Charles K. McClain
County Administrator
Office of the County Administrator
County of Yuba
915 Eighth Street, Suite 115
Marysville, CA 95901-5273

Dear Mr. McClain:

Re: Contract for Three Rivers Levee Improvement Authority's Project

As you requested, I am enclosing two signed original contracts with the minor modifications that GEI suggested. We are pleased that the Three Rivers Levee Improvement Authority has selected us for this important project.

Please note that the termination date is June 2007 to allow time in the schedule for the FEMA Certification-Post Construction. In addition, for accounting purposes, we have enclosed a spreadsheet that aligns the B-E/GEI budget figures with the Department of Water Resources' grant application.

If you have any questions, please call me at 916-631-4563.

Sincerely,

BOOKMAN-EDMONSTON
A Division of GEI Consultants, Inc.

Raymond D. Hart, P.E., G.E.
Senior Vice President

Enclosure

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**Conversion of B-E/GEI Proposed Budget Task Numbers to
TRLIA/DWR Design Grant Budget Task Numbers
Bear River Setback Levee Project (Note 1)**

Design Grant Task	DWR Grant Application				B-E/GEI Contract with TRLIA				
	Labor Hours	Labor Costs	Subs & ODC's	Totals	B-E/GEI Labor Hours	Labor Costs	Subs & ODC's	Totals	Proposal Task #
1 Pre-Design / Investigations									
1.1 Site Visits / Data Review	220	24,200	1,000	25,200	213	28,800	6,200	35,000	Task 2
1.2 Basis of Design Report	200	22,000	500	22,500	194	27,000	7,900	34,900	Task 4
1.3 Field Exploration	2,530	278,300	471,100	749,400	544	69,960	365,200	435,160	Task 7 (Partial)
1.4 Baseline Summary Report	200	22,000	500	22,500	116	14,540	500	15,040	Task 7 (Partial)
Subtotal	3,150	346,500	473,100	819,600	1,067	140,300	379,800	520,100	
2 Detailed Design and Contract Documents									
2.1 Engineering Analyses	570	62,700	1,500	64,200	910	107,260	900	108,160	Task 8 (Partial)
2.2 Geotechnical Design Report	500	55,000	2,000	57,000	0	0	103,400	103,400	Included in Task 2.8
2.3 Hydrologic Modeling	700	88,000	2,000	90,000	0	0	46,000	46,000	Task 5
2.4 Geomorphic Modeling	160	19,000	1,000	20,000	0	0	115,300	115,300	Task 6
2.5 Design of Environmental Measures	1,100	122,000	3,000	125,000	140	24,700	1,600	586,340	Task 9 (Partial)
2.6 Facilities Design, Including Drawings	5,580	613,800	2,000	615,800	5,000	584,740	1,900	95,460	Task 9 (Partial)
2.7 Specifications	800	88,000	2,000	90,000	716	93,560	500	69,640	Task 9 (Partial)
2.8 Design Report	600	66,000	2,000	68,000	560	69,140	400	29,600	Task 10
2.9 Construction Cost Estimate and Schedule	250	27,500	1,500	29,000	248	29,200	1,100	31,600	Task 11
2.10 Contract Documents	250	27,500	2,000	29,500	232	30,500	1,100	31,600	Task 11
Subtotal	10,510	1,169,500	19,000	1,188,500	7,806	939,100	271,100	1,210,200	
3 Bidding/Contract Award									
3 Bidding/Contract Award	500	51,000	1,000	52,000	340	48,400	1,100	49,500	Task 12
Subtotal	500	51,000	1,000	52,000	340	48,400	1,100	49,500	
4 Environmental Compliance/Permitting									
4 Environmental Compliance/Permitting	1,100	122,000	3,000	125,000	0	0	195,900	195,900	Task 13
Subtotal	1,100	122,000	3,000	125,000	0	0	195,900	195,900	
5 Program Management									
5.1 Engineering Management & QA/QC	1,330	181,500	38,500	220,000	1,580	255,500	59,700	315,200	Tasks 1, 3
5.2 Contract Administration and Legal Budget (Note 2)	2,500	250,000	12,000	262,000	232	32,100	2,000	34,100	Task 15
5.3 Project Management, Budget Control and Agency Coordination (Note 2)	800	130,000	14,000	144,000	120	20,100	17,300	37,400	Task 14
Subtotal	4,630	561,500	64,500	626,000	1,932	307,700	79,000	386,700	
Subtotal - Labor and Expenses	19,890	2,250,500	560,600	2,811,100	11,145	1,435,500	926,900	2,362,400	
Design Contingency				421,000					
DESIGN TOTAL				3,232,100				2,362,400	
6 Design Services During Construction (Note 3)									
6 Design Services During Construction (Note 3)		n/a		0	1,816	244,200	9,700	253,900	Task 16
Subtotal		n/a		0	1,816	244,200	9,700	253,900	
O-1 Levee Certification (Note 3)									
O-1 Levee Certification (Note 3)		n/a		0	320	34,300	20,400	54,700	Task O-2
Subtotal		n/a		0	320	34,300	20,400	54,700	
GRAND TOTAL					13,281	1,714,000	957,000	2,671,000	(Note 4)

Notes:
1) This conversion is to facilitate B-E/GEI invoice submittals to conform with TRLIA invoice submittals to DWR.
2) Design Grant Tasks 5.2 and 5.3 are primarily TRLIA staff costs.
3) Requires a scope and budget change with DWR.
4) The difference between the grant (\$3,232,100) and the B-E/GEI contract (\$2,671,000), \$561,100, is available to TRLIA for staff costs and project contingencies.