



THREE RIVERS LEVEE IMPROVEMENT AUTHORITY

A G E N D A

MAY 11, 2004

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

Unless otherwise indicated.

2:00 P.M. I ROLL CALL – Directors Mary Jane Griego and Richard Webb

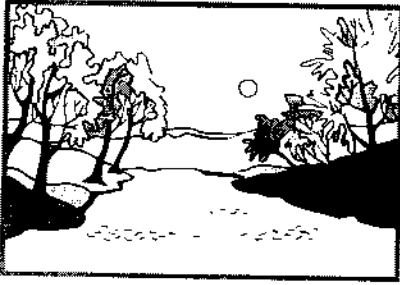
II STAFF REPORTS

III ACTION ITEMS

Authorize the Yuba County Auditor-Controller to pay invoices from Economic Planning Systems in the amount of \$7,583 and MBK Engineers in the amount of \$22,101.27 for design and environmental services.

IV PUBLIC COMMUNICATIONS: Any person may speak about any subject of concern provided it is within the jurisdiction of the Levee Improvement Authority and is not already on today's agenda. The total amount of time allotted for receiving such public communication shall be limited to a total of 15 minutes and each individual or group will be limited to no more than 5 minutes.

V ADJOURN



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V ADJOURN



THREE RIVERS LEVEE IMPROVEMENT AUTHORITY

May 11, 2004

TO: Three Rivers Improvement Authority Board
FROM: Randy Margo, Assistant County Administrator
SUBJECT: Payment of Engineering Invoices

Recommendation

Authorize the Yuba County's Auditor/Controller to pay the attached invoices for design and environmental services pertaining to levee improvements.

Background

Engineering, design and environmental work pertaining to levee improvements was contracted for by Reclamation District 784 in January 2004. Those contracts have now been assigned to the Authority pursuant to action taken on April 6th by Reclamation Board 784 and the Authority. Therefore, the responsibility for administration and payment of these contracts now rest with the Authority.

The source of payments for these contracts is the developer fund established last fall by the County of Yuba. Those funds were put into a trust account for Reclamation District 784. Action taken by the Authority on April 6th requested the Yuba County Board of Supervisors direct the Auditor/ Controller to set up a separate trust fund for the Authority, under which these and subsequent invoices related to levee improvements will be paid. Presently there is \$1,284,840.51 available to pay invoices related to levee improvement work in the south Yuba Basin. The invoices being submitted for payment are:

Economic Planning Systems	\$ 7,583.00
MBK Engineers	22,101.27
Total	\$ 29,684.27

Fiscal Impact

Payment for these invoices will reduce available funding to \$1,255,156.24



Economic &
Planning Systems

Public Finance
Real Estate Economics
Regional Economics
Land Use Policy

Invoice

EPS Employer ID: 94-305685

Invoice Number: 13579.3

March 29, 2004

To: Yuba City Office of Public Administrator
215 5th Street, Third Floor
Marysville, CA 95901
Attention: Randy Margo

Project: Yuba County Levee Financing Plan (RD 784)

Project Manager: Kenneth Zahn

Professional Services for the Period: 2/28/04 to 3/26/04

RECEIVED

APR 19 2004

EPS # 13579
ADMINISTRATION

Task 1 Prepare Tax Formula Strategy

<u>Professional Services</u>		<u>Hours</u>	<u>Rate</u>	<u>Charge</u>
Tim Youmans	Managing Principal	1.75	\$235.00	411.25
Russell C. Powell	Vice President	1.25	\$155.00	193.75
Kenneth Zahn	Associate	6.50	\$100.00	650.00
<i>Professional Services Total:</i>		<u>9.50</u>		<u>\$1,255.00</u>
 <u>Reimbursables</u>				<u>Charge</u>
Mileage/Parking				\$15.00
<i>Reimbursables Total:</i>				<u>\$15.00</u>
Total Task 1				<u>\$1,270.00</u>

SACRAMENTO

1750 Creekside Oaks Drive, Suite 290 Phone: 916-649-8011
Sacramento, CA 95833-2647 Fax: 916-649-2171
www.epsts.com

BERKELEY

phone: 510-841-9700
fax: 510-841-9708

Page 1 of 2

DENVER

phone: 303-733-1100
fax: 303-733-1100



**Economic &
Planning Systems**

*Public Finance
Real Estate Economics
Regional Economics
Land Use Policy*

March 29, 2004
Invoice: 13579.3
EPS#: 13579

Task 2 Prepare CFD Hearing Report

<u>Professional Services</u>		<u>Hours</u>	<u>Rate</u>	<u>Charge</u>
Tim Youmans	Managing Principal	5.75	\$235.00	1,351.25
James Gomes	Vice President	0.25	\$175.00	43.75
Russell C. Powell	Vice President	14.00	\$155.00	2,170.00
Kenneth Zahn	Associate	27.00	\$100.00	2,700.00
Debra Walker	Support Staff	0.25	\$60.00	15.00
<i>Professional Services Total:</i>		<u>47.25</u>		<u>\$6,280.00</u>
 <u>Reimbursables</u>				<u>Charge</u>
Mileage/Parking				\$33.00
<i>Reimbursables Total:</i>				<u>\$33.00</u>
Total Task 2				<u>\$6,313.00</u>

*** Total Project Invoice Amount: **\$7,583.00**

<u>Aged Receivables:</u>				
<u>Current</u>	<u>31-60 Days</u>	<u>61-90 Days</u>	<u>91-120 Days</u>	<u>> 120 Days</u>
\$7,583.00	\$7,907.15	\$0.00	\$0.00	\$0.00

SACRAMENTO

1750 Creekside Oaks Drive, Suite 290 phone: 916-649-8010
Sacramento, CA 95833-3817 fax: 916-649-2011
www.epsvs.com

BERKELEY

phone: 916-841-8100
fax: 916-841-8105

DENVER

phone: 303-233-7777
fax: 303-233-7777



Water Resources ♦ Flood Control ♦ Water Rights

Joseph D. Countryman, P.E.
Gilbert Cosio Jr., P.E.
Marc Van Camp, P.E.

April 05, 2004

Invoice #04-04-4141

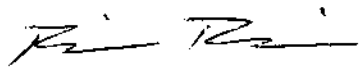
Reclamation District 784
Attn: Richard Webb
1594 Broadway
Marysville CA 95901-9632

*Re: Project Management and Hydraulics Analysis for the Problem Identification Study
of the Bear River and UP Interceptor Canal Levees*

Services thru March 31, 2004

Total Professional Services	\$14,830.00
Total Expenses	\$188.58
Total Amount of This Invoice	\$15,018.58

MBK ENGINEERS

By: 
Richard G. Reinhardt
Licensed Civil Engineer, 60093, by the
California Board for Professional
Engineers and Land Surveyors

Attachment

MBK Engineers
2450 Alhambra Blvd., 2nd Floor
Sacramento, CA 95817

April 05, 2004

Invoice #04-04-4141

Reclamation District 784
Attn: Richard Webb
1594 Broadway
Marysville CA 95901-9632

Re: Project Management and Hydraulics Analysis for the Problem Identification Study of the Bear River and UP Interceptor Canal Levees

Professional Services

	<u>Hours</u>	<u>Amount</u>
<u>Principal - 1</u>		
03/19/04 Review and revise staff report; add charts and data as required	4.00	600.00
03/22/04 Attend Reclamation Board meeting and report activities (prorated)	1.00	150.00
03/30/04 Continue with development of plan for FEMA protection	2.00	300.00
03/31/04 Continue development of FEMA 100 year data	2.00	300.00
Subtotal	9.00	1,350.00
<u>Principal - 5</u>		
03/01/04 Project email; coordination on project issues; discussion with Moore and Carrol on project issues and wind and wave analysis; coordination on hydraulic appendices	2.50	337.50
03/02/04 Work on master schedule; work on funding management; meeting on Notice of Preparation	4.50	607.50
03/03/04 HDR BE team meeting; coordination on project issues	2.25	303.75
03/09/04 Project email; coordination on EIR issues; work on hydraulic modeling of orchard; prepared response on Corps funding of FEMA effort; review of Feb team meeting minutes	3.00	405.00
03/10/04 Discussion with Webb and Aikens on project issues; project email; coordination on EIR issues; HDR BE team meeting; work on outline for staff report; review of Corps criteria for erosion	6.25	843.75
03/11/04 Review of existing conditions hydraulics appendix; review and comments on orchard removal memo; project email; work on Staff Report	1.75	236.25
03/12/04 Project email; coordination on hydraulic impact analysis; review of Johnson edits to staff report; discussion with Greydanus on project issues; discussion with Baker on Corps funding for FEMA effort	2.75	371.25

	<u>Hours</u>	<u>Amount</u>
03/15/04 Work on staff report; conference call with Ford on Hydraulic impact analysis; work on hydraulic impact study	2.50	337.50
03/16/04 Discussion with Aikens on and Johnson on project issues; project email; coordination on hydraulic impacts; work on staff report; review and comment on Upper Bear/WPIC TM and Bear River setback levee TM	7.50	1,012.50
03/17/04 Project email; coordination on project issues; discussion with Margo on project issues; review of MHM and HDR invoices; review of comments with HDR	2.00	270.00
03/18/04 Coordination on project issues; project email; review of comments on staff report	2.00	270.00
03/19/04 Project email; coordination on project issues; work on incorporating comments on staff report; work on figures for staff report	4.75	641.25
03/22/04 Coordination on project issues; project email; discussion with Johnson on staff report; review of revisions to staff report	2.75	371.25
03/23/04 Work with HDR on powerpoint presentation for RD 784; RD 784 meeting; coordination on project issues	6.50	877.50
03/25/04 Coordination on project issues; discussion with Aikens, Johnson and Twitchell on project issues; project email; review of NOP; review of public meeting material; work on funding table for current obligations	3.50	472.50
03/26/04 Project email; coordination on project issues; prepared for Agency staff meeting	0.75	101.25
03/29/04 Prepared write-up on 100 year project for Bond financing; coordination on project issues	1.75	236.25
03/30/04 Project email; coordination on project issues; review of project description for bond counsel; discussion with Corps on FEMA certification; review of materials for CEQA Public Scoping Meeting	3.00	405.00
03/31/04 Coordination on project issues; research on cost of Olivehurst floodplain; discussion with MHM on project issues; work on tracking funding; coordination on Yuba site on Section 104 crediting; project email; coordination on Feather River strengthening costs; discussion with Margo and Webb on project issues	3.00	405.00
Subtotal	63.00	8,505.00
<u>Senior Engineer - 4</u>		
03/22/04 Contact Nagy at Corps regarding funding of Corps for review and coordination of FEMA Project as betterment to Phase II Systems Evaluation	1.00	115.00
03/30/04 Review files for pictures of Arboga and Linda breaks, make electronic copy for Reinhardt meeting	3.00	345.00
Subtotal	4.00	460.00
<u>Senior Engineer - 5</u>		
03/10/04 Review orchard removal memo and discuss with Thompson	1.00	125.00
Subtotal	1.00	125.00

	<u>Hours</u>	<u>Amount</u>
<u>Engineer - 6</u>		
03/01/04 Run RAS Model with orchard removal lowered roughness value	2.50	230.00
03/04/04 Run RAS Model with orchard removal lowered roughness values	4.00	368.00
03/05/04 Run RAS Model with orchard removal lowered roughness values	6.00	552.00
03/08/04 Run RAS Model with orchard removal lowered roughness values	7.00	644.00
03/09/04 Run RAS Model with orchard removal lowered roughness values	6.00	552.00
03/10/04 Prepare report on orchard removal	6.00	552.00
03/11/04 Prepare report on orchard removal	4.00	368.00
03/12/04 Continue with report on orchard removal	2.00	184.00
03/15/04 Update report on Orchard Removal	1.00	92.00
03/17/04 Finalize memo on hydraulic impact of orchard removal	2.00	184.00

Subtotal	40.50	3,726.00
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Assistant Engineer - 4

03/09/04 Create 2-year flood extent within the UP Interceptor Canal and the Bear River	3.00	249.00
03/10/04 Create map of 2-year flood extent within the UP Interceptor Canal and the Bear River, print map and create PDF file, create Bear River left levee profile chart	2.50	207.50
03/12/04 Create map of model cross sections along the UP Interceptor canal	0.50	41.50
03/15/04 Create and print map of UP interceptor canal cross section locations	1.50	124.50
03/25/04 Assemble 2-year flood line work and topographic data and send to Jennifer Ames	0.50	41.50

Subtotal	8.00	664.00
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Expenses

Brownie's Blueprint	51.73
Mileage @ \$.40 per mile	124.00
Parking	8.25
FAX charge @ \$0.35 ea	0.70
Reproductions	3.90

Subtotal	188.58
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Total Professional Services	125.50	\$15,018.58
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Water Resources • Flood Control • Water Rights

RECEIVED

APR 12 2004

ADMINISTRATION

Joseph D. Countryman, P.E.
Gilbert Cosio Jr., P.E.
Marc Van Camp, P.E.

February 09, 2004

Invoice #04-02-4141

**Reclamation District 784
Attn: Richard Webb
1594 Broadway
Marysville CA 95901-9632**

*Re: Project Management and Hydraulics Analysis for the Problem Identification Study
of the Bear River and UP Interceptor Canal Levees*

Services thru January 31, 2004

Total Professional Services	\$6,947.50
Total Expenses	\$135.19
Total Amount of This Invoice	\$7,082.69

MBK ENGINEERS

Richard E. Webb

By: *Richard G. Reinhardt*
Richard G. Reinhardt
Licensed Civil Engineer, 60093, by the
California Board for Professional
Engineers and Land Surveyors

Attachment

received
2-13-04

MBK Engineers
2450 Alhambra Blvd., 2nd Floor
Sacramento, CA 95817

February 09, 2004

Invoice #04-02-4141

Reclamation District 784
Attn: Richard Webb
1594 Broadway
Marysville CA 95901-9632

Re: Project Management and Hydraulics Analysis for the Problem Identification Study of the Bear River and UP Interceptor Canal Levees

Professional Services

	<u>Hours</u>	<u>Amount</u>
<u>Consultant - 3</u>		
01/06/04 Review preliminary hydraulics from Archer; check 1957 profile elevations	2.00	300.00
01/30/04 Review and determine position on hydraulic mitigation requirements and procedure to analyze the potential	2.00	300.00
Subtotal	4.00	600.00
<u>Principal Engineer - 3</u>		
09/23/03 Discussion with Webb and Graham on project issues; coordination with team on project issues; Meeting with Baker on project issues; project e-mail; discussion with McQuirk on Reclamation Board Meeting	3.50	455.00
01/05/04 Coordination on HDR contract; work on hydraulic impact methodology; project e-mail	1.00	135.00
01/06/04 Coordination on project issues; review of hydraulic modeling	1.25	168.75
01/08/04 Project email; work on getting HDR under contract; work on water surface elevations	1.00	135.00
01/09/04 Project e-mail; review of 100 & 200 year project profiles	1.25	168.75
01/14/04 Team meeting on FEMA project; discussion with Aikens on project issues; project email	3.25	438.75
01/15/04 Project e-mail; coordination on meeting with Prop 13 team	0.50	67.50
01/18/04 Review of team meeting minutes	0.25	33.75
01/20/04 Coordination on project issues	0.25	33.75
01/21/04 Coordination on funding issues; project email; coordination on Corps involvement in review of project	1.00	135.00

	<u>Hours</u>	<u>Amount</u>
01/22/04 Project e-mail; coordination on meeting with Y-FSFCP team; discussion with Myers on meeting with Corps; review of HDR meeting minutes; meeting with contractor on slurry wall issues	1.75	236.25
01/23/04 Work on project issues; work on hydraulic mitigation	1.00	135.00
01/27/04 Meeting with Prop 13 and FEMA Fix teams; research on design of setback levee; work on tracking project expenses	4.00	540.00
01/29/04 Review and comments on Prop 13 team coordination meeting minutes; work on Bear River hydraulic analysis	0.75	101.25
01/30/04 Project email	0.25	33.75
Subtotal	21.00	2,817.50
<u>Supervising Engineer - 1</u>		
11/10/03 Set up and run Feather River HEC-RAS model with RD784 levee setback alternatives; analyze results of same	2.50	325.00
11/18/03 Hydraulic analysis of RD784 Bear River levee setback alternatives; confer with Reinhardt re same	4.00	520.00
01/05/04 Review version 2 of Corps Feather River RAS model; set up and run 500-year Shanghai-Yuba centering study	2.25	292.50
01/07/04 Review Corps Feather River RAS model and studies; telecon with Moore, Corps, re same; set up and run Feather River RAS model with corrected inflows; prepare water surface elevation profile plots	4.25	552.50
01/08/04 Rerun Corps Feather River RAS studies with corrected inflows and flow roughness factors	2.50	325.00
01/09/04 Prepare 100 and 200 year water surface profile plots of Bear River and UP Intercept and provide to Reinhardt; document review and revision of Feather River RAS model	2.00	260.00
01/16/04 Review Jan. 12 version of Corps Feather River RAS model and studies	0.50	65.00
01/23/04 Confer with Tustison re Feather River RAS model	0.25	32.50
01/29/04 Confer with Tustison re Feather RAS model	0.25	32.50
Subtotal	18.50	2,405.00
<u>Senior Engineer - 5</u>		
01/23/04 Set up and run unsteady flow model for sediment and vegetation removal analysis	3.00	375.00
01/29/04 Discuss Corps and calibration model assumptions with Archer; review roughness values; discuss sediment and vegetation maintenance modeling with Reinhardt	2.00	250.00
01/30/04 Run baseline hydrologic model; review roughness values in calibration model; adjust roughness values; run and analyze hydraulic model with adjusted roughness values	4.00	500.00
Subtotal	9.00	1,125.00
Total Professional Services	52.50	\$6,947.50

	<u>Amount</u>
<u>Expenses</u>	
Brownie's Blueprint	135.19
	<hr/>
Subtotal	135.19
	<hr/>
Total Expenses	<u>\$135.19</u>
	<hr/>
Total Amount of This Invoice	<u><u>\$7,082.69</u></u>