



**AGREEMENT #: YWA 2021-1 TRLIA**

**GRANTEE NAME: Three River Levee Improvement Authority**

*progress report.*

**TRLIA accomplished the items listed below during Q4 2021:**

**Task 1: Contract Subconsultants and Assemble Team:** TRLIA approved execution of a subconsultant agreement between MBK and Grant Management Associates (GMA). GMA will provide support to prepare an application under the CA DWR Proposition 68 the Proposition 68 – Floodplain Management, Protection, and Risk Awareness Grant Program.

**Task 2: Preliminary Engineering and Design:** TRLIA and the consultant team held 2 project team meetings and a number of smaller coordination calls focusing on geotechnical data collection, alternative alignment development, right of entry, basis of design, and multi-benefit habitat restoration/uplift opportunities. More specifically the consultant team completed the following tasks:

- *Draft Alternative Analysis Report: The Project Team developed a draft alternatives analysis report to evaluate four (4) potential project alignments. The draft alternatives analysis report developed preliminary construction costs and identified potential environmental constraints for each of the 4 project alignments. TRLIA and the project team anticipate selection of a preferred project alignment during Q1 2022 and will prepare 65% plans and specifications.*
- *Hydraulics & Hydrology Analysis): In support the project grant application under the CA DWR Proposition 68 FMPRA Grant Program, MBK developed pre-project (existing conditions) and post-project hydraulic models for the NTW Ph. 2 Project. The analysis detailed water surface elevations in the Yuba River and resultant floodplains in the Community of Hallwood. These analyses were completed at both the 100yr and 200yr recurrence interval. MBK is currently working to develop similar models at the 50yr recurrence interval. This information will inform economic analysis within the FMPRA application.*
- *Geotechnical Explorations: ENGEO coordinated field explorations to obtain subsurface soil samples within the NTW Ph. 2 Project area. ENGEO sub-contracted Geo-EX to perform 2 sonic explorations and 6 test pits. Additionally, ENGEO prepared a laboratory analysis and testing plan to determine soil index properties and classifications.*

**Task 3: Environmental Surveys and Compliance (CEQA):** GEI evaluated a preliminary CEQA approach related to the potential project alignments. This effort included development of feasibility level mitigation costs for project impacts to the low-flow channel and surrounding habitat including existing elderberry shrubs. Additionally, GEI reviewed existing documentation on the Munson levee to determine project impacts related to the Munson levee being a potentially historic feature. GEI continued efforts to development of a draft project description and administrative draft IS-MND.

**Task 4: Evaluate Current and Future Grant Funding Opportunities:** TRLIA and the project team continued collaborative efforts to identify and assess funding opportunities for the NTW Phase 2 Project.

*In October 2021, the project team submitted a concept proposal seeking implementation funding under the California Department of Water Resources (CA DWR) Proposition 68 – Floodplain Management, Protection, and Risk Awareness Grant Program (FMPRA). Following review, CA DWR approved the concept proposal in December 2021. TRLIA directed the project team to prepare the full grant application. In*

**AGREEMENT #: YWA 2021-1 TRLIA**

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*support of this process, Grant Management Associates (GMA) was contracted to support preparation of the full application including the associated benefit cost analysis.*

*CA DWR also provided guidance that funding expended within the NTW Project (Ph. 1 & Ph. 2) would be considered as part of the local cost-share. This would reduce potential funding commitments for the project. To date, approximately \$3.05M in funds have been obligated. TRLIA and the project team are currently identifying multi-benefit opportunities to provide uplift and increase the competitiveness of the grant application.*

**Percentage of Task Completed as of December 31, 2021:**

<i>Task 1 – Contract Subconsultants and Assemble Team</i>	<i>100%</i>
<i>Task 2 – Preliminary Engineering and Design</i>	<i>40%</i>
<i>Task 3 – Environmental Surveys and Compliance (CEQA)</i>	<i>35%</i>
<i>Task 4 – Evaluate Current and Future Grant Funding Opportunities</i>	<i>(on-going)</i>

**Deliverables Completed for Each Task:**

- Task 1 – Contract Subconsultants and Assemble Team: GMA Subconsultant Agreement - MBK*
- Task 2 – Preliminary Engineering and Design: Draft Alternative Analysis*
- Task 3 – Environmental Surveys and Compliance (CEQA): N/A*
- Task 4 – Evaluate Current and Future Grant Funding Opportunities: CA DWR Prop 68 FMPRA – Concept Proposal Submittal*

**Problems/Delays and Proposed Resolution:**

*Schedule impacts and/or delays are not anticipated at this time.*

**List of Proposed Activities and Tasks for the Next Quarter (Q1 January 1, 2022 – March 31, 2022):**

**Projected Expenditures in Q1 January 1, 2022 – March 31, 2022**

*During Q1 2022, the projected expenditures will be approximately \$150,000.*

***Task 1 – Contract Subconsultants and Assemble Team:*** *No activities are anticipated during Q1 2022.*

***Task 2 – Preliminary Engineering and Design:*** *During Q1 2022 it is anticipated that TRLIA and the Project Team will complete the alternatives analysis report including selection of a preferred project alignment. Wood Rodgers – ENGEO will complete preliminary design geotechnical analyses (through-seepage, underseepage and land side slope stability), and prepare a construction cost estimate for the preferred project alignment. The project team will prepare a draft 65% project design building on the preferred project alignment.*

***Task 3 - Environmental Surveys and Compliance (CEQA):*** *GEI will prepare an administrative draft CEQA document (IS-MND).*

***Task 4 – Evaluate Current and Future Grant Funding Opportunities:*** *The project team will prepare and submit a grant proposal to CA DWR under the Proposition 68 – FMPRA Grant Program. The proposal will seek funding for design completion and construction implementation.*

**Attachments:**

1. Q4 2021 Financial Documentation and Reimbursement Request



TRLIA - NTW Ph. 2 - Q4 2021 Expense Summary					
Firms	File No.	In File	Invoice Number	Date	Invoice Amount
Previous Charges to Date					\$ 66,053.51
MBK	1		21-10-5142.2.1	11/15/2021	\$ 13,176.75
MBK	2		21-11-5142.2.1	12/15/2021	\$ 10,168.00
MBK	3		21-12-5142.2.1	1/15/2022	\$ 12,815.78
Wood Rodgers - ENGEO	4		151954	10/31/2021	\$ 16,550.88
Wood Rodgers - ENGEO	5		152862	11/30/2021	\$ 41,816.30
Wood Rodgers - ENGEO	6		153891	12/31/2021	\$ 13,734.00
GEI	7		3098919	Thru Oct 2021	\$ 2,728.50
GEI	8		3101493	Thru Nov 2021	\$ 154.50
GEI	9			Thru Dec 2021	\$ 824.00
Total from Previous Quarters					\$ 66,053.51
<b>Q4 2021 Total Expenditures</b>					<b>\$ 111,968.71</b>
<b>Total Billed Date</b>					<b>\$ 178,022.22</b>
<b>Total YWA Grant Funding</b>					<b>\$ 1,100,000.00</b>
<b>Remaining Funds</b>					<b>\$ 921,977.78</b>

**MBK Engineers**  
**455 University Ave, Suite 100**  
**Sacramento, CA 95825**

**October 31, 2021**

**County of Yuba**  
**Attn: TRLIA**  
**Auditor-Controller Office**  
**915 8th Street, Suite 105**  
**Marysville, CA 95901**

**Invoice# 21-10-5142.2.1**  
**Bill Date November 12, 2021**

**Professional Services thru October 31, 2021**

**5142.2.1 - TRLIA North Training Wall Phase 2- Cost Code 3149-3701**  
**Professional Services**

		<u>Rate</u>	<u>Hours</u>	<u>Amount</u>
<b><u>Richard Reinhardt, Principal Engineer</u></b>				
10/15/21	Team meeting	\$245.00/hr	0.50	122.50
10/19/21	Review and comment on alternatives matrix	\$245.00/hr	0.25	61.25
10/20/21	Meeting on grant application; review and comment on floodplains for economics	\$245.00/hr	1.25	306.25
10/21/21	Call on alternatives report	\$245.00/hr	0.75	183.75
10/25/21	Review and edits to grant application	\$245.00/hr	0.50	122.50
10/26/21	Coordination on grant application	\$245.00/hr	0.25	61.25
10/28/21	Coordination on Phase 2 grant	\$245.00/hr	1.00	245.00
	<b>Subtotal</b>		<hr/> 4.50	<hr/> 1,102.50
<b><u>Patrick Ho, Senior Engineer</u></b>				
10/11/21	Confer with Deus on request for 500-year with- and without-project floodplain for use in grant application; confer with Guilliams on next steps for exhibits development; QA/QC review model and simulation results and provide feedback to Guilliams	\$212.00/hr	2.50	530.00
10/14/21	Review NTW products to be sent to Wood Rodgers and send design water surface elevations to Deus	\$212.00/hr	1.00	212.00
10/15/21	Confer with project design team	\$212.00/hr	1.00	212.00
10/20/21	Confer with Deus, Reinhardt, Guilliams, and Trieu to track down prior benefit area mapping, methodology, and assumptions; plan out next steps for redo of PH2 benefits area mapping	\$212.00/hr	0.50	106.00

		<u>Rate</u>	<u>Hours</u>	<u>Amount</u>
10/21/21	Download, review model prepared for NTW phase 1 benefit area analysis; confer with Deus re analysis and status; setup model simulation for benefit area analysis of phase 2	\$212.00/hr	2.00	424.00
10/22/21	Confer with Deus re latest simulations on phase 2 benefits mapping of the 100-year event; update exhibits and provide to Deus	\$212.00/hr	1.50	318.00

Subtotal

8.50 1,802.00

Tony Deus, Senior Engineer

10/04/21	Project coordination regarding funding opportunities; project email; call with GMA	\$223.00/hr	2.00	446.00
10/08/21	Coordinate with project team regarding design kickoff; call with GMA and Reinhardt regarding BCA analysis; project coordination regarding BCA analysis, site specific information, and contracting	\$223.00/hr	2.00	446.00
10/11/21	Confer with Ho regarding With and Without Project Floodplains; coordinate with GMA team regarding frequency analysis and benefit; Coordinate with Guilliams and Ho regarding NTW benefit area	\$223.00/hr	2.75	613.25
10/13/21	Project coordination regarding Q3 2021 Invoices	\$223.00/hr	0.50	111.50
10/14/21	Project coordination regarding design water surface elevation	\$223.00/hr	0.50	111.50
10/15/21	NTW Ph. 2 Team Meeting; coordinate with discipline leads regarding alternative analysis; contract coordination with GMA regarding keep considerations analysis	\$223.00/hr	3.00	669.00
10/18/21	Project email; coordinate with GMA regarding Key Considerations Review	\$223.00/hr	0.50	111.50
10/19/21	Project coordination regarding key considerations review; coordinate with McConnachie regarding quarterly invoice and progress report; draft progress report	\$223.00/hr	3.75	836.25
10/20/21	Call with GMA regarding concept proposal; confer with Ho, Guilliams, and Reinhardt regarding H&H modeling; project schedule coordination	\$223.00/hr	3.50	780.50
10/21/21	Project team call regarding alternative analysis; finalize Q3 2021 progress report; confer with Ho regarding benefit area	\$223.00/hr	2.50	557.50
10/22/21	Key considerations analysis comment review and incorporation; project email; call with Ho regarding figure development	\$223.00/hr	3.00	669.00
10/25/21	Revise draft Prop 68 Concept Proposal; compile submittal package	\$223.00/hr	0.50	111.50
10/26/21	Revise draft Prop 68 Concept Proposal per Reinhardt comment; coordinate with Brunner regarding same; QPR # 1	\$223.00/hr	1.75	390.25

		<u>Rate</u>	<u>Hours</u>	<u>Amount</u>
10/27/21	Finalize and submit FMPRA Concept Proposal	\$223.00/hr	1.50	334.50
10/28/21	Coordinate with McConnachie regarding Q3 2021 invoices; Prop 68 Grant coordination call with Reinhardt and Brunner; project email	\$223.00/hr	2.25	501.75
10/29/21	Project email; finalize progress report; prepare reimbursement request	\$223.00/hr	1.75	390.25

Subtotal

31.75      7,080.25

MacKenzie Guilliams, Junior Engineer

10/01/21	Complete profile plot of entire Phase 1 and Phase 2 alignment; investigate TRLIA 500-year model to sample WSE along alignment and add to profile plot for new hydrology; investigate volume of water outflanking North Training Wall in 500-year simulation with new hydrology; share results with Ho and discuss	\$112.00/hr	2.25	252.00
10/04/21	Sample modeled WSE results from TRLIA 500 year 65% design model and Phase 2 analysis model along the original phase 1 alignment and begin plotting WSE profile	\$112.00/hr	0.50	56.00
10/05/21	Revise WSE profile for 500-year using additional existing model simulations; share results with Ho	\$112.00/hr	1.00	112.00
10/11/21	Discussion with Ho on mapping tasks; prepare 500-year simulation with North Training Wall hydrology for with and without project using the TRLIA 500-Year 65% Design model; discussion with Ho on hydraulic model results for the various models and modeling breaches for the without project	\$112.00/hr	5.75	644.00
10/12/21	Prepare breach simulations along road behind phase 2 alignment for without project scenario mapping; continue reviewing model results from the TRLIA 65% Design model with existing hydrology with and without project for mapping tasks	\$112.00/hr	4.00	448.00
10/13/21	Discussion with Ho and Deus; prepare with and without project inundation maps	\$112.00/hr	0.50	56.00
10/14/21	Revise DWSE tabulation to include additional station/elevation locations; discussion with Ho on without project simulations for mapping task; prepare additional 500-year simulation information to share with team	\$112.00/hr	4.25	476.00
10/15/21	Additional without-project breach simulation for the 200-year event; prepare maps with and without project for the 200-year event using new simulation results	\$112.00/hr	3.25	364.00
10/18/21	Minor revisions to maps for with and without-project scenarios for the 200-year event; begin Basis of design documentation	\$112.00/hr	2.50	280.00



		<u>Rate</u>	<u>Hours</u>	<u>Amount</u>
10/19/21	Continue preparing and revising with- and without-project maps; collaboration with Bachman on mapping formats and styles; share final maps with team	\$112.00/hr	3.25	364.00
10/20/21	Discussions with Ho and Deus on mapping benefit area for Phase 2 of the North Training Wall	\$112.00/hr	1.25	140.00
	<b>Subtotal</b>		<u>28.50</u>	<u>3,192.00</u>
	<b>Total Professional Services</b>		<u>73.25</u>	<u>\$13,176.75</u>

**MBK Engineers**  
**455 University Ave, Suite 100**  
**Sacramento, CA 95825**

**November 30, 2021**

**County of Yuba**  
**Attn: TRLIA**  
**Auditor-Controller Office**  
**915 8th Street, Suite 105**  
**Marysville, CA 95901**

**Invoice# 21-11-5142.2.1**  
**Bill Date December 12, 2021**

**Professional Services thru November 30, 2021**

**5142.2.1 - TRLIA North Training Wall Phase 2- Cost Code 3149-3701**  
**Professional Services**

		<u>Rate</u>	<u>Hours</u>	<u>Amount</u>
<b><u>Richard Reinhardt, Principal Engineer</u></b>				
11/15/21	Coordination on ecosystem element of project	\$245.00/hr	0.50	122.50
11/29/21	Email	\$245.00/hr	0.25	61.25
	<b>Subtotal</b>		<u>0.75</u>	<u>183.75</u>
<b><u>Patrick Ho, Senior Engineer</u></b>				
11/01/21	Confer with Deus on additional hydraulic analyses needed to support grant proposal	\$212.00/hr	0.25	53.00
11/02/21	Confer with Deus and Reinhardt on approach to mapping benefits area provided by Phase 2 NTW; review model and find previous flow files used in analysis; confer with Trieu to find data	\$212.00/hr	1.50	318.00
11/18/21	Confer with Guilliams on Phase 2 benefits mapping; confer with Evan Reis on flood depth raster questions; confer with Deus on status update	\$212.00/hr	2.00	424.00
11/19/21	Search for Yuba model terrain files to develop terrain for benefits mapping; confer with Guilliams on findings;	\$212.00/hr	1.00	212.00
11/22/21	Confer with Guilliams on model development and progress; review model edits and flooding dynamics; provide comments, feedback and next steps	\$212.00/hr	2.50	530.00
11/29/21	Confer with Deus on alt analysis memo discussion; review Phase 2 benefits mapping model runs and provide next steps	\$212.00/hr	1.00	212.00
	<b>Subtotal</b>		<u>8.25</u>	<u>1,749.00</u>

		<u>Rate</u>	<u>Hours</u>	<u>Amount</u>
<b><u>Tony Deus, Senior Engineer</u></b>				
11/01/21	Project email; finalize progress report; coordinate with TRLIA regarding same; coordinate with Ho and GMA regarding benefit-cost analysis	\$223.00/hr	2.00	446.00
11/02/21	Confer with Ho and Reinhardt regarding H&H evaluations for Ph. 2 project area; mitigation cost analysis; project coordination	\$223.00/hr	2.00	446.00
11/15/21	Coordinate with DWR and GMA on Ph. 2 project analysis and grant applications; coordinate with McConnachie regarding Q4 2021 invoices	\$223.00/hr	1.75	390.25
11/16/21	Coordinate with Ho regarding H&H 100yr flood rasters; project email	\$223.00/hr	1.75	390.25
11/18/21	Coordinate with Ho and Reis regarding NTW Ph. 2 BCA analysis	\$223.00/hr	1.25	278.75
11/19/21	Coordinate with Ho and Reis regarding H&H analysis status	\$223.00/hr	0.50	111.50
11/22/21	Project coordination regarding habitat opportunities	\$223.00/hr	1.25	278.75
11/23/21	Project coordination regarding habitat opportunities; confer with Guilliams and Bachman regarding same; project email	\$223.00/hr	2.00	446.00
11/29/21	Call with DWR regarding concept proposal status and due outs; project email; coordinate with project team regarding alternatives analysis detail	\$223.00/hr	2.00	446.00
11/30/21	Habitat opportunity exhibit coordination	\$223.00/hr	0.50	111.50
	<b>Subtotal</b>		<b>15.00</b>	<b>3,345.00</b>
<b><u>Matt Bachman, Water Resource Associate</u></b>				
11/23/21	Habitat enhancement figure discussion	\$164.00/hr	0.25	41.00
	<b>Subtotal</b>		<b>0.25</b>	<b>41.00</b>
<b><u>MacKenzie Guilliams, Junior Engineer</u></b>				
11/17/21	Obtain model for benefits mapping and begin configuring it for with project condition and for the 50-year and 200-year events	\$112.00/hr	1.00	112.00
11/18/21	Discussion with Ho on model boundary conditions for 50-, 100-, and 200-year simulations; run boundary conditions comparison simulations; prepare with project model geometry; set up model simulations to simulate; begin including the Middle Training Wall into model geometry	\$112.00/hr	5.50	616.00
11/19/21	Prepare terrain for benefits analysis model to include the Middle Training Wall; discussions with Ho on terrain development; continue applying Middle Training Wall land cover regions to model geometry;	\$112.00/hr	5.25	588.00

		<u>Rate</u>	<u>Hours</u>	<u>Amount</u>
	revise modeling plans and begin simulating 50-, 100-, and 200-year models with new Middle Training Wall geometry			
11/22/21	Discussion with Ho on modeled results for 50-, 100-, and 200-year simulations with and without project; pull information on cross sections at the Phase 2 road embankment locations for the 50-year simulation; begin adding model geometry mesh refinements to model per Ho's suggestions	\$112.00/hr	4.75	532.00
11/23/21	Continue refining model geometry mesh to better capture flood path and extent; prepare cross section information of the road embankment near Phase 2 of the NTW; prepare additional breach simulations; begin simulating additional simulations	\$112.00/hr	4.50	504.00
11/24/21	Prepare additional simulation of 50-year event with opening in Phase 2 road embankment; prepare results of 50-year simulations and share with Ho; develop figures for Habitat Opportunities in NTW area	\$112.00/hr	3.00	336.00
11/29/21	Adjustments to and share Figures for Habitat Opportunities with Deus	\$112.00/hr	0.50	56.00
11/30/21	Minor adjustments to habitat opportunity figures; discussion with Bachman on parcel land owner information; discussion with Ho on benefits mapping model results	\$112.00/hr	0.75	84.00
	<b>Subtotal</b>		<hr/> 25.25	<hr/> 2,828.00
	<b>Total Professional Services</b>		<hr/> <b>49.50</b>	<hr/> <b>\$8,146.75</b>
			<b><u>Qty</u></b>	
	<b><u>Expense</u></b>			
11/01/21	Grant Management Associates Invoice No. 483 in the amount of \$1,925.00 + 5% mark-up		1	2,021.25
	<b>Subtotal</b>			<hr/> 2,021.25
	<b>Total Expenses</b>			<hr/> <b>\$2,021.25</b>
	<b>Total Amount of This Invoice</b>			<hr/> <b>\$10,168.00</b> <hr/>

Grant Management Associates  
 1722 Hyer Ct  
 Durham, CA 95938  
 kcarter@grantmanagementassoc.com  
 www.grantmanagementassoc.com

# Invoice



**BILL TO**

Loni Gray  
 MBK Engineers  
 455 University Ave Suite 100  
 Sacramento, CA 95825

INVOICE #	DATE	TOTAL DUE	DUE DATE	TERMS	ENCLOSED
483	11/11/2021	\$1,925.00	12/11/2021	Net 30	

*11/11/21*

DATE	ACTIVITY	DESCRIPTION	QTY	RATE	AMOUNT
10/01/2021	Grant Proposal Development	Ashley Ramsey	6	175.00	1,050.00
10/01/2021	Grant Proposal Development	Marcus Griswold	5	175.00	875.00

BALANCE DUE **\$1,925.00**

*DL TR entire  
 5142.2.1  
 5001, 11/21  
 [Signature]*

Bank Routing Information:  
 Account number: 6657209745  
 KRISTIN M COOPER-CARTER DBA GRANT MANAGEMENT ASSOCIATES  
 For Direct Deposit use Routing Number (RTN): 121042882  
 For Wire Transfers use Routing Number (RTN): 121000248

**MBK Engineers**  
455 University Ave, Suite 100  
Sacramento, CA 95825

**December 31, 2021**

**County of Yuba**  
**Attn: TRLIA**  
**Auditor-Controller Office**  
**915 8th Street, Suite 105**  
**Marysville, CA 95901**

**Invoice# 21-12-5142.2.1**  
**Bill Date January 17, 2022**

**Professional Services thru December 31, 2021**

**5142.2.1 - TRLIA North Training Wall Phase 2- Cost Code 3149-3701**  
**Professional Services**

		<u>Rate</u>	<u>Hours</u>	<u>Amount</u>
<b><u>Richard Reinhardt, Principal Engineer</u></b>				
12/07/21	Travel to and site visit	\$245.00/hr	2.50	612.50
12/08/21	Coordination on inclusion of fish discharge pipe	\$245.00/hr	0.25	61.25
12/09/21	Email; coordination on restoration sites; coordination on fish discharge pipe	\$245.00/hr	1.25	306.25
12/14/21	Coordination on grant application	\$245.00/hr	0.25	61.25
12/15/21	Coordination on grant application and scheduling meeting	\$245.00/hr	0.50	122.50
12/17/21	Review of cost estimate; prep for meeting with Nordic and coordination to schedule meeting	\$245.00/hr	1.00	245.00
12/20/21	Coordination on meeting with Karlshoej; review and comments on draft AA report; prep for meeting with Mallen and McNally; meeting on Phase 2; call with GEI	\$245.00/hr	4.50	1,102.50
12/21/21	Coordination on project	\$245.00/hr	0.25	61.25
12/22/21	Meeting with Karlshoej's; coordination on habitat element	\$245.00/hr	1.50	367.50
12/23/21	email	\$245.00/hr	0.25	61.25
12/30/21	Call on grant application; email	\$245.00/hr	1.25	306.25
	<b>Subtotal</b>		<hr/> 13.50	<hr/> 3,307.50

**Patrick Ho, Senior Engineer**

12/06/21	QC review of benefits mapping models;	\$212.00/hr	0.50	106.00
12/07/21	Site visit with Reinhardt, Deus, and Guilliams	\$212.00/hr	4.00	848.00
	Coordinate and review latest benefits mapping rasters and provide link to Deus to disseminate with GMA;	\$212.00/hr	1.00	212.00

		<u>Rate</u>	<u>Hours</u>	<u>Amount</u>
12/28/21	Confer with GMA re status of econ analysis;	\$212.00/hr	0.50	106.00
12/30/21	Confer with Reinhardt, Deus, and GMA re next steps and strategy on grant application	\$212.00/hr	1.25	265.00
	<b>Subtotal</b>		<hr/> 7.25	<hr/> 1,537.00

**Tony Deus, Senior Engineer**

12/01/21	Review habitat opportunity exhibit	\$223.00/hr	0.25	55.75
12/02/21	Q4 2021 invoice coordination with McConnachie; project email	\$223.00/hr	0.50	111.50
12/06/21	Call with GMA regarding modeling status and contract coordination	\$223.00/hr	0.25	55.75
12/07/21	NTW Ph. 2 Site visit; confer with Ho regarding 50yr event breach considerations	\$223.00/hr	4.00	892.00
12/08/21	Coordinate with Gray and GMA regarding FPRMA scope; project email	\$223.00/hr	1.50	334.50
12/10/21	Q4 2021 invoice coordination with McConnachie; project email	\$223.00/hr	0.50	111.50
12/13/21	Coordinate with Gray and GMA regarding Ph. 2 scoping	\$223.00/hr	0.50	111.50
12/15/21	Project coordination on alternative analysis report; contract coordination with GMA specific to FMPRA; project email	\$223.00/hr	2.00	446.00
12/16/21	Q4 2021 Invoice review and coordination with McConnachie	\$223.00/hr	0.25	55.75
12/17/21	Coordinate with Reinhardt and Wood Rodgers regarding Nordic borrow quantity; project email	\$223.00/hr	1.00	223.00
12/20/21	IS-MND follow up call with King; review draft alternative analysis; call with YWA & Yuba County regarding project alternatives and habitat opportunities	\$223.00/hr	3.25	724.75
12/21/21	NTW Ph. 2 Prop 68 Grant Application Preparation; project email regarding design detail and refinements	\$223.00/hr	3.00	669.00
12/22/21	Call with Nordic, YWA, TRLIA and Reinhardt regarding NTW Ph. 2 Project details; project coordination regarding FMPRA application	\$223.00/hr	2.25	501.75
12/23/21	Project coordination regarding FMPRA application	\$223.00/hr	1.00	223.00
12/27/21	Prepare draft FMPRA Staff Report; review FMPRA concept proposal approval and finalized grant guidelines	\$223.00/hr	2.50	557.50
12/28/21	Q4 2021 Progress Report; call with GMA (Ramsey) and project team regarding FMPRA application	\$223.00/hr	4.25	947.75
12/30/21	Conference call with GMA, Reinhardt and Ho regarding FMPRA economic analysis; review NULE & ULE documentation	\$223.00/hr	3.00	669.00
	<b>Subtotal</b>		<hr/> 30.00	<hr/> 6,690.00

		<u>Rate</u>	<u>Hours</u>	<u>Amount</u>
<b><u>MacKenzie Guilliams, Junior Engineer</u></b>				
12/01/21	Discussion with Yuba County Assessor on land parcel ownership; minor adjustments to Habitat Opportunity figures and figure discussion with Deus	\$112.00/hr	1.25	140.00
12/06/21	Discussion with Ho on benefits mapping hydraulic model and results	\$112.00/hr	0.50	56.00
12/07/21	Produce depth rasters for 100-year and 200-year benefits mapping and discuss with Ho	\$112.00/hr	0.75	84.00
	NTW Site Visit	\$112.00/hr	5.25	588.00
12/23/21	Continue drafting NTW Phase 2 BOD technical memo	\$112.00/hr	1.25	140.00
12/30/21	Set up models and begin simulating 500-year with and without NTW Phase 2 to be used in benefits mapping	\$112.00/hr	1.25	140.00

<b>Subtotal</b>		<u>10.25</u>	<u>1,148.00</u>
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<b>Total Professional Services</b>		<u>61.00</u>	<u>\$12,682.50</u>
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**Qty**

**Expense**

12/07/21	Mileage @ \$0.56 per mile 2021	110	61.60
	Mileage @ \$0.56 per mile 2021	128	71.68

<b>Subtotal</b>			<u>133.28</u>
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<b>Total Expenses</b>			<u>\$133.28</u>
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<b>Total Amount of This Invoice</b>			<u><u>\$12,815.78</u></u>
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3149-3702 Approved - 12/2/2021 - Tony Deus  
MBK

Three Rivers Levee Improvement Authority  
County of Yuba: Auditor-Controller Office  
Re: TRLIA  
915 8th Street, Suite 105  
Marysville, CA 95901  
United States

Invoice : 151954  
Invoice Date : 10/31/2021  
Due Date: 12/15/2021  
Project : 8623003  
Project Name : N. Training Wall Prelim Design  
Client Code : 82913

**For Professional Services Rendered Through 10/31/2021**

	<b>Contract Amount</b>	<b>Percent Complete</b>	<b>Billed To Date</b>	<b>Previously Billed</b>	<b>Current Billed</b>
10 - Ph 2 PM & Coord T&M	47,793.00	30.26 %	14,461.25	13,196.25	1,265.00
11 - Ph 2 Topo Survey T&M	26,568.00	0.00 %	0.00	0.00	0.00
12 - Ph 2 Alts Analysis T&M	31,744.00	66.06 %	20,970.00	13,025.00	7,945.00
13 - Ph 2 65% Design/Plans/Specs T&M	155,413.00	0.00 %	0.00	0.00	0.00
14 Sub - Ph 2 ENGEO T&M	175,000.00	4.96 %	8,681.88	1,341.00	7,340.88
15 - Ph 2 Draft BODR T&M	27,257.00	0.00 %	0.00	0.00	0.00
16 - Ph 2 Enviro Support T&M	25,677.00	0.00 %	0.00	0.00	0.00
17 - Ph 2 ROW Support T&M	23,976.00	0.00 %	0.00	0.00	0.00
	513,428.00	8.59 %	44,113.13	27,562.25	16,550.88

**Current Billings** 16,550.88  
**Amount Due This Bill** 16,550.88

<b>Outstanding Receivables</b>	<b>Invoice Number</b>	<b>Date</b>	<b>Amount</b>	<b>Balance Due</b>
	151012	09/30/2021	5,644.00	5,644.00
				5,644.00

**10 - Ph 2 PM & Coord T&M**

<b>Rate Labor</b>					
<i>Classification / Employee</i>	<i>Activity</i>	<i>Date</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
<b>Associate Engineer I</b>					
Charles W Hilliard	Engineering	10/31/2021	5.00	190.000	950.00
<b>Associate Engineer III</b>					
Peter M Blum	Meetings	10/15/2021	1.50	210.000	315.00
<b>Total Rate Labor</b>					<b>1,265.00</b>
<b>Total Bill Task: 10 - Ph 2 PM &amp; Coord T&amp;M</b>					<b>1,265.00</b>

**12 - Ph 2 Alts Analysis T&M**

<b>Rate Labor</b>					
<i>Classification / Employee</i>	<i>Activity</i>	<i>Date</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
<b>Associate Engineer I</b>					
Charles W Hilliard	Engineering	10/15/2021	5.00	190.000	950.00
Charles W Hilliard	Engineering	10/31/2021	11.00	190.000	2,090.00
<b>Total Associate Engineer I</b>			16.00		3,040.00
<b>Associate Engineer III</b>					
Peter M Blum	Project Coordination	10/15/2021	0.50	210.000	105.00
Peter M Blum	Project Coordination	10/31/2021	1.00	210.000	210.00
<b>Total Associate Engineer III</b>			1.50		315.00
<b>Engineer II</b>					
Matthew S Zimmerman	Engineering	10/31/2021	27.00	170.000	4,590.00
<b>Total Rate Labor</b>					<b>7,945.00</b>
<b>Total Bill Task: 12 - Ph 2 Alts Analysis T&amp;M</b>					<b>7,945.00</b>

**14 Sub - Ph 2 ENGEO T&M**

<b>Expenses</b>			<i>Cost</i>	<i>Multiplier</i>	<i>Amount</i>
<i>Vendor</i>					
Engco Inc.			7,340.88	1.00	7,340.88
<b>Total Expenses</b>					<b>7,340.88</b>

**Invoice****Invoice Total \$7,847.38**

**2010 Crow Canyon Place, Suite 250  
San Ramon, CA 94583  
Phone (925) 866-9000  
Fax (888) 279-2698**

Mr. Jonathan Kors, PE, PMP  
Wood Rodgers, Inc.  
3301 C Street, Building 100-B  
Sacramento, CA 95816

October 8, 2021  
Invoice No: 266402  
Project Manager: Mark Gilbert  
Project Assistant: Stacey Lacy

Project 09389.000.001 Goldfields North Training Wall

**Professional Services through September 30, 2021**

Phase 001 30% Design

Client Amendment 1 dated 02/26/21, fully executed 02/26/21

Client Contract Project No. 8623003 dated 03/04/20, fully executed 04/07/20

Continued geotechnical engineering support for the design team, including the NTW Phase 1 closeout meeting.

**Professional Personnel**

	<b>Hours</b>	<b>Rate</b>	<b>Amount</b>	
Principal Engineer	1.50	298.00	447.00	
Project Assistant	.50	119.00	59.50	
Totals	2.00		506.50	
<b>Total Labor</b>				<b>506.50</b>

<b>Contract Summary</b>	<b>Current</b>	<b>Previous</b>	<b>To Date</b>	
Total Billings	506.50	114,197.95	114,704.45	
Contract Amount			131,000.00	
Contract Remaining			16,295.55	
		<b>Subtotal this Phase</b>		<b>\$506.50</b>

Phase 002 Phase 2 Design

Client Amendment 2 dated 09/14/21, fully executed 09/14/21

Coordinated the field exploration, obtained Yuba County drilling permit and completed the two sonic borings.

**Professional Personnel**

	<b>Hours</b>	<b>Rate</b>	<b>Amount</b>	
Principal Engineer	4.50	298.00	1,341.00	
Senior Engineer	24.50	220.00	5,390.00	
Project Assistant	.25	119.00	29.75	
Totals	29.25		6,760.75	
<b>Total Labor</b>				<b>6,760.75</b>

**Unit Billing**

Mileage	180.0 Miles @ 0.575	102.15	
Permit	477.98 Each @ 1.00	477.98	
<b>Total Units</b>		<b>580.13</b>	<b>1,160.26</b>

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Project	09389.000.001	Goldfields North Training Wall	Invoice	266402
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<b>Contract Summary</b>	<b>Current</b>	<b>Previous</b>	<b>To Date</b>
Total Billings	7,340.88	1,341.00	8,681.88
Contract Amount			175,000.00
Contract Remaining			166,318.12
		<b>Subtotal this Phase</b>	<b>\$7,340.88</b>
		<b>Total this Invoice</b>	<b><u><u>\$7,847.38</u></u></b>

**Outstanding Invoices**

<b>Number</b>	<b>Date</b>	<b>Balance</b>
265497	9/10/2021	357.50
<b>Total</b>		<b>357.50</b>

*\*EMAIL: ap@woodrogers.com\**

**THREE RIVERS LEVEE IMPROVEMENT AUTHORITY  
NORTH TRAINING WALL PRELIMINARY DESIGN  
PHASE 2**

**PROGRESS REPORT – WOOD RODGERS  
MONTH OF: OCTOBER 2021**

Activities associated with Wood Rodgers' Invoice for the period identified above:

- Project management and coordination.
- Development of project alternative exhibits.
- Development of alternative cost estimates
- Development of Alternatives Analysis Report



3149-3702 Approved - 12/10/2021 - Tony Deus MBK

Three Rivers Levee Improvement Authority  
 County of Yuba: Auditor-Controller Office  
 Re: TRLIA  
 915 8th Street, Suite 105  
 Marysville, CA 95901  
 United States

Invoice : 152862  
 Invoice Date : 11/30/2021  
 Due Date: 01/14/2022  
 Project : 8623003  
 Project Name : N. Training Wall Prelim Design  
 Client Code : 82913

**For Professional Services Rendered Through 11/30/2021**

	<b>Contract Amount</b>	<b>Percent Complete</b>	<b>Billed To Date</b>	<b>Previously Billed</b>	<b>Current Billed</b>
10 - Ph 2 PM & Coord T&M	47,793.00	35.03 %	16,741.25	14,461.25	2,280.00
11 - Ph 2 Topo Survey T&M	26,568.00	0.00 %	0.00	0.00	0.00
12 - Ph 2 Alts Analysis T&M	31,744.00	96.90 %	30,760.00	20,970.00	9,790.00
13 - Ph 2 65% Design/Plans/Specs T&M	155,413.00	0.00 %	0.00	0.00	0.00
14 Sub - Ph 2 ENGEO T&M	175,000.00	20.48 %	35,843.18	8,681.88	27,161.30
15 - Ph 2 Draft BODR T&M	27,257.00	0.00 %	0.00	0.00	0.00
16 - Ph 2 Enviro Support T&M	25,677.00	10.07 %	2,585.00	0.00	2,585.00
17 - Ph 2 ROW Support T&M	23,976.00	0.00 %	0.00	0.00	0.00
	513,428.00	16.74 %	85,929.43	44,113.13	41,816.30

**Current Billings** 41,816.30  
**Amount Due This Bill** 41,816.30

<b>Outstanding Receivables</b>	<b>Invoice Number</b>	<b>Date</b>	<b>Amount</b>	<b>Balance Due</b>
	151954	10/31/2021	16,550.88	16,550.88
				16,550.88



**10 - Ph 2 PM & Coord T&M**

<b>Rate Labor</b>					
<i>Classification / Employee</i>	<i>Activity</i>	<i>Date</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
<b>Associate Engineer I</b>					
Charles W Hilliard	Engineering	11/15/2021	7.00	190.000	1,330.00
Charles W Hilliard	Engineering	11/30/2021	5.00	190.000	950.00
<b>Total Associate Engineer I</b>			12.00		2,280.00
<b>Total Rate Labor</b>					<b>2,280.00</b>
<b>Total Bill Task: 10 - Ph 2 PM &amp; Coord T&amp;M</b>					<b>2,280.00</b>

**12 - Ph 2 Alts Analysis T&M**

<b>Rate Labor</b>					
<i>Classification / Employee</i>	<i>Activity</i>	<i>Date</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
<b>Associate Engineer I</b>					
Charles W Hilliard	Engineering	11/15/2021	2.00	190.000	380.00
Charles W Hilliard	Engineering	11/30/2021	5.50	190.000	1,045.00
<b>Total Associate Engineer I</b>			7.50		1,425.00
<b>Associate Engineer III</b>					
Peter M Blum	Project Coordination	11/15/2021	1.50	210.000	315.00
Peter M Blum	Project Coordination	11/30/2021	1.50	210.000	315.00
<b>Total Associate Engineer III</b>			3.00		630.00
<b>Engineer II</b>					
Matthew S Zimmerman	Engineering	11/15/2021	45.50	170.000	7,735.00
<b>Total Rate Labor</b>					<b>9,790.00</b>
<b>Total Bill Task: 12 - Ph 2 Alts Analysis T&amp;M</b>					<b>9,790.00</b>

**14 Sub - Ph 2 ENGEO T&M**

<b>Expenses</b>					
<i>Vendor</i>		<i>Cost</i>	<i>Multiplier</i>	<i>Amount</i>	
Engeo Inc.		27,161.30	1.00	27,161.30	
<b>Total Expenses</b>					<b>27,161.30</b>

**16 - Ph 2 Enviro Support T&M**

<b>Rate Labor</b>					
<i>Classification / Employee</i>	<i>Activity</i>	<i>Date</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
<b>Associate Engineer I</b>					
Charles W Hilliard	Engineering	11/30/2021	6.00	190.000	1,140.00
<b>Engineer II</b>					
Matthew S Zimmerman	Exhibits	11/30/2021	8.50	170.000	1,445.00
<b>Total Rate Labor</b>					<b>2,585.00</b>
<b>Total Bill Task: 16 - Ph 2 Enviro Support T&amp;M</b>					<b>2,585.00</b>

**Invoice****Invoice Total \$27,161.30**

2010 Crow Canyon Place, Suite 250  
 San Ramon, CA 94583  
 Phone (925) 866-9000  
 Fax (888) 279-2698

Mr. Jonathan Kors, PE, PMP  
 Wood Rodgers, Inc.  
 3301 C Street, Building 100-B  
 Sacramento, CA 95816

November 5, 2021  
 Invoice No: 267145  
 Project Manager: Mark Gilbert  
 Project Assistant: Stacey Lacy

Project 09389.000.001 Goldfields North Training Wall  
**Professional Services through October 31, 2021**

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Phase 002 Phase 2 Design  
 Client Amendment 2 dated 09/14/21, fully executed 09/14/21

Coordinated the field exploration, obtained Yuba County drilling permit and completed the two sonic borings. Driller invoice is not included.

**Professional Personnel**

	<b>Hours</b>	<b>Rate</b>	<b>Amount</b>	
Principal Engineer	9.00	298.00	2,682.00	
Associate Geologist	1.00	250.00	250.00	
Senior Engineer	10.50	220.00	2,310.00	
Staff Engineer	11.00	178.00	1,958.00	
Project Assistant	.50	119.00	59.50	
Totals	32.00		7,259.50	
<b>Total Labor</b>				<b>7,259.50</b>

**Reimbursable Expenses**

Drilling and Trenching Services				
10/10/2021 Geo-Ex Subsurface Exploration			14,970.00	
Miscellaneous Reimbursables				
10/4/2021 ASCE Golze Scholarship Fund			250.00	
<b>Total Reimbursables</b>			<b>15,220.00</b>	<b>15,220.00</b>

**Unit Billing**

#200 Wash, ASTM D1140, C117	9.0 Tests @ 105.00	945.00	
Mileage	60.0 Miles @ 0.78	46.80	
Moisture Only ASTM D2216 CT226	16.0 Tests @ 30.00	480.00	
Plasticity Index, Wet Method ASTM D4318	6.0 Tests @ 260.00	1,560.00	
Sieve & #200 Wash ASTM D422 C136 CT202	10.0 Tests @ 165.00	1,650.00	
<b>Total Units</b>		<b>4,681.80</b>	<b>4,681.80</b>

**Contract Summary**

	<b>Current</b>	<b>Previous</b>	<b>To Date</b>
Total Billings	27,161.30	8,681.88	35,843.18
Contract Amount			175,000.00
Contract Remaining			139,156.82
		<b>Subtotal this Phase</b>	<b>\$27,161.30</b>

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Project	09389.000.001	Goldfields North Training Wall	Invoice	267145
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<b>Total this Invoice</b>	<b><u><u>\$27,161.30</u></u></b>
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**Outstanding Invoices**

<b>Number</b>	<b>Date</b>	<b>Balance</b>
265497	9/10/2021	357.50
266402	10/8/2021	7,847.38
<b>Total</b>		<b>8,204.88</b>

*\*EMAIL: ap@woodrogers.com\**

**THREE RIVERS LEVEE IMPROVEMENT AUTHORITY  
NORTH TRAINING WALL PRELIMINARY DESIGN  
PHASE 2**

**PROGRESS REPORT – WOOD RODGERS  
MONTH OF: NOVEMBER 2021**

Activities associated with Wood Rodgers' Invoice for the period identified above:

- Project management and coordination
- Development of Alternatives Analysis Report
- Support of Environmental efforts
- Geotechnical engineering support



3149-3702 Approved - 12/10/2021 - Tony Deus MBK

Three Rivers Levee Improvement Authority  
 County of Yuba: Auditor-Controller Office  
 Re: TRLIA  
 915 8th Street, Suite 105  
 Marysville, CA 95901  
 United States

Invoice : 153891  
 Invoice Date : 12/31/2021  
 Due Date : 02/14/2022  
 Project : 8623003  
 Project Name : N. Training Wall Prelim Design  
 Client Code : 82913

**For Professional Services Rendered Through 12/31/2021**

	<b>Contract Amount</b>	<b>Percent Complete</b>	<b>Billed To Date</b>	<b>Previously Billed</b>	<b>Current Billed</b>
10 - Ph 2 PM & Coord T&M	47,793.00	38.21 %	18,261.25	16,741.25	1,520.00
11 - Ph 2 Topo Survey T&M	26,568.00	0.00 %	0.00	0.00	0.00
12 - Ph 2 Alts Analysis T&M	31,744.00	99.88 %	31,705.00	30,760.00	945.00
13 - Ph 2 65% Design/Plans/Specs T&M	155,413.00	2.43 %	3,775.00	0.00	3,775.00
14 Sub - Ph 2 ENGEO T&M	175,000.00	21.96 %	38,432.18	35,843.18	2,589.00
15 - Ph 2 Draft BODR T&M	27,257.00	0.00 %	0.00	0.00	0.00
16 - Ph 2 Enviro Support T&M	25,677.00	29.17 %	7,490.00	2,585.00	4,905.00
17 - Ph 2 ROW Support T&M	23,976.00	0.00 %	0.00	0.00	0.00
	513,428.00	19.41 %	99,663.43	85,929.43	13,734.00

**Current Billings** 13,734.00  
**Amount Due This Bill** 13,734.00

**10 - Ph 2 PM & Coord T&M**

<b>Rate Labor</b>					
<i>Classification / Employee</i>	<i>Activity</i>	<i>Date</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
<b>Associate Engineer I</b>					
Charles W Hilliard	Engineering	12/15/2021	7.00	190.000	1,330.00
Charles W Hilliard	Engineering	12/31/2021	1.00	190.000	190.00
<b>Total Associate Engineer I</b>			8.00		1,520.00
<b>Total Rate Labor</b>					<b>1,520.00</b>
<b>Total Bill Task: 10 - Ph 2 PM &amp; Coord T&amp;M</b>					<b>1,520.00</b>

**12 - Ph 2 Alts Analysis T&M**

<b>Rate Labor</b>					
<i>Classification / Employee</i>	<i>Activity</i>	<i>Date</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
<b>Associate Engineer III</b>					
Peter M Blum	Engineering	12/15/2021	4.00	210.000	840.00
Peter M Blum	Engineering	12/31/2021	0.50	210.000	105.00
<b>Total Associate Engineer III</b>			4.50		945.00
<b>Total Rate Labor</b>					<b>945.00</b>
<b>Total Bill Task: 12 - Ph 2 Alts Analysis T&amp;M</b>					<b>945.00</b>

**13 - Ph 2 65% Design/Plans/Specs T&M**

<b>Rate Labor</b>					
<i>Classification / Employee</i>	<i>Activity</i>	<i>Date</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
<b>Associate Engineer I</b>					
Charles W Hilliard	Engineering	12/31/2021	16.00	190.000	3,040.00
<b>Associate Engineer III</b>					
Peter M Blum	Engineering	12/31/2021	3.50	210.000	735.00
<b>Total Rate Labor</b>					<b>3,775.00</b>
<b>Total Bill Task: 13 - Ph 2 65% Design/Plans/Specs T&amp;M</b>					<b>3,775.00</b>

**14 Sub - Ph 2 ENGEO T&M**

<b>Expenses</b>					
<i>Vendor</i>		<i>Cost</i>	<i>Multiplier</i>	<i>Amount</i>	
Engeo Inc.		2,589.00	1.00	2,589.00	
<b>Total Expenses</b>					<b>2,589.00</b>

**16 - Ph 2 Enviro Support T&M**

<b>Rate Labor</b>					
<i>Classification / Employee</i>	<i>Activity</i>	<i>Date</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
<b>Associate Engineer I</b>					
Charles W Hilliard	Engineering	12/15/2021	7.00	190.000	1,330.00
Charles W Hilliard	Engineering	12/31/2021	3.00	190.000	570.00
<b>Total Associate Engineer I</b>			10.00		1,900.00
<b>Associate GIS I</b>					
Jonathan T Faoro	GIS Services	12/31/2021	1.50	190.000	285.00
<b>Engineer II</b>					
Matthew S Zimmerman	Engineering	12/15/2021	4.00	170.000	680.00
Matthew S Zimmerman	Meetings	12/15/2021	3.00	170.000	510.00
Matthew S Zimmerman	Engineering	12/31/2021	9.00	170.000	1,530.00
<b>Total Engineer II</b>			16.00		2,720.00
<b>Total Rate Labor</b>					<b>4,905.00</b>



**Invoice****Invoice Total \$3,559.70**

**2010 Crow Canyon Place, Suite 250  
San Ramon, CA 94583  
Phone (925) 866-9000  
Fax (888) 279-2698**

Mr. Jonathan Kors, PE, PMP  
Wood Rodgers, Inc.  
3301 C Street, Building 100-B  
Sacramento, CA 95816

December 10, 2021  
Invoice No: 268046  
Project Manager: Mark Gilbert  
Project Assistant: Stacey Lacy

Project 09389.000.001 Goldfields North Training Wall

**Professional Services through November 30, 2021**

Phase 001 NTW 30% Design and Construction

Client Amendment 1 dated 02/26/21, fully executed 02/26/21

Client Contract Project No. 8623003 dated 03/04/20, fully executed 04/07/20

Continued geotechnical engineering support during grading for NTW Phase 1.

**Professional Personnel**

	<b>Hours</b>	<b>Rate</b>	<b>Amount</b>	
Principal Engineer	1.00	298.00	298.00	
Construction Services Manager	8.50	175.00	1,487.50	
Totals	9.50		1,785.50	
<b>Total Labor</b>				<b>1,785.50</b>

**Unit Billing**

Mileage	220.0 Miles @ 0.56	123.20		
<b>Total Units</b>		<b>123.20</b>		<b>123.20</b>

**Contract Summary**

	<b>Current</b>	<b>Previous</b>	<b>To Date</b>	
Total Billings	1,908.70	114,704.45	116,613.15	
Contract Amount			131,000.00	
Contract Remaining			14,386.85	
		<b>Subtotal this Phase</b>		<b>\$1,908.70</b>

Phase 002 Phase 2 Design

Client Amendment 2 dated 09/14/21, fully executed 09/14/21

Ongoing geotechnical engineering for Phase 2 design.

**Professional Personnel**

	<b>Hours</b>	<b>Rate</b>	<b>Amount</b>	
Principal Engineer	2.50	298.00	745.00	
Senior Engineer	2.50	220.00	550.00	
Staff Engineer	2.00	178.00	356.00	
Totals	7.00		1,651.00	
<b>Total Labor</b>				<b>1,651.00</b>



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Project	09389.000.001	Goldfields North Training Wall	Invoice	268046
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<b>Contract Summary</b>	<b>Current</b>	<b>Previous</b>	<b>To Date</b>	
Total Billings	1,651.00	35,843.18	37,494.18	
Contract Amount			175,000.00	
Contract Remaining			137,505.82	
		<b>Subtotal this Phase</b>		<b>\$1,651.00</b>
		<b>Total this Invoice</b>		<b><u><u>\$3,559.70</u></u></b>

**Outstanding Invoices**

<b>Number</b>	<b>Date</b>	<b>Balance</b>
266402	10/8/2021	7,847.38
267145	11/5/2021	27,161.30
<b>Total</b>		<b>35,008.68</b>

*\*EMAIL: ap@woodrogers.com\**

**Invoice****Invoice Total \$4,367.90**

2010 Crow Canyon Place, Suite 250  
 San Ramon, CA 94583  
 Phone (925) 866-9000  
 Fax (888) 279-2698

Mr. Jonathan Kors, PE, PMP  
 Wood Rodgers, Inc.  
 3301 C Street, Building 100-B  
 Sacramento, CA 95816

January 7, 2022  
 Invoice No: 268834  
 Project Manager: Mark Gilbert  
 Project Assistant: Stacey Lacy

Project 09389.000.001 Goldfields North Training Wall

**Professional Services through December 31, 2021**

Phase 001 NTW 30% Design and Construction

Client Amendment 1 dated 02/26/21, fully executed 02/26/21

Client Contract Project No. 8623003 dated 03/04/20, fully executed 04/07/20

Site observations during grading of Phase 1. Included four visits and preparation of daily field reports.

**Professional Personnel**

	Hours	Rate	Amount	
Principal Engineer	.50	298.00	149.00	
Construction Services Manager	17.00	175.00	2,975.00	
Project Assistant	.50	119.00	59.50	
Totals	18.00		3,183.50	
<b>Total Labor</b>				<b>3,183.50</b>

**Unit Billing**

Mileage	440.0 Miles @ 0.56	246.40	
<b>Total Units</b>		<b>246.40</b>	<b>246.40</b>

**Contract Summary**

	Current	Previous	To Date	
Total Billings	3,429.90	116,613.15	120,043.05	
Contract Amount			131,000.00	
Contract Remaining			10,956.95	
		<b>Subtotal this Phase</b>		<b>\$3,429.90</b>

Phase 002 Phase 2 Design

Client Amendment 2 dated 09/14/21, fully executed 09/14/21

Ongoing geotechnical engineering for Phase 2 design.

**Professional Personnel**

	Hours	Rate	Amount	
Principal Engineer	1.00	298.00	298.00	
Senior Engineer	2.00	220.00	440.00	
Totals	3.00		738.00	
<b>Total Labor</b>				<b>738.00</b>

**Unit Billing**

Sample Storage	2.0 Samples @ 100.00	200.00	
<b>Total Units</b>		<b>200.00</b>	<b>200.00</b>

**Contract Summary**

	<b>Current</b>	<b>Previous</b>	<b>To Date</b>
Total Billings	938.00	37,494.18	38,432.18
Contract Amount			175,000.00
Contract Remaining			136,567.82

**Subtotal this Phase** **\$938.00**

**Total this Invoice** **\$4,367.90**

**Outstanding Invoices**

<b>Number</b>	<b>Date</b>	<b>Balance</b>
266402	10/8/2021	7,847.38
267145	11/5/2021	27,161.30
268046	12/10/2021	3,559.70
<b>Total</b>		<b>38,568.38</b>

*\*EMAIL: ap@woodrogers.com\**

**THREE RIVERS LEVEE IMPROVEMENT AUTHORITY  
NORTH TRAINING WALL PRELIMINARY DESIGN  
PHASE 2**

**PROGRESS REPORT – WOOD RODGERS  
MONTH OF: DECEMBER 2021**

Activities associated with Wood Rodgers' Invoice for the period identified above:

- Project management and coordination
- Development of Alternatives Analysis Report
- Development of 65% plan set
- Support of Environmental efforts
- Geotechnical engineering support



PLEASE REMIT TO:  
 PO Box 843005  
 Boston, MA 02284-3005

**GEI PAYMENT INFORMATION:** In accordance with industry best practices and to help prevent fraud, please contact Julio Guerrero, Senior AR Specialist (781-721-4102) to verify any requests for change in the GEI Payment Instructions. For any billing questions, please contact Billing@GEIConsultants.com.

Three Rivers Levee Improvement  
 COUNTY OF YUBA  
 AUDITOR'S OFFICE  
 915 EIGHT STREET, SUITE 105  
 MARYSVILLE, CA 95901-5273  
 United States

Invoice : 3098919  
 Invoice Date : 11/8/2021  
 Due Date : 12/8/2021  
 Project : 050115  
 Project Name : TRLIA-FEATHER RIVER LEVEE  
 REPAIRS

**For Professional Services Rendered For 9/25/2021 Through 10/29/2021**

Phase 2 Task Orders ( 4005-4009)

3149-3703 PRELIMINARY ENVIRONMENTAL REVIEW  
 Reviewed - Tony Deus MBK 11/15/2021

**05 - NORTH TRAINING WALL**

<b>PROJECT</b>	<b>Current Billings</b>
4000 - NORTH TRAINING WALL PROJECT	2,728.50
Rate Labor 2,728.50	
	<b>Current Billings</b> 2,728.50
	<b>Amount Due This Bill</b> 2,728.50

**Total Fee :** 489,502.00  
**To Date Billings :** 179,991.88  
**Total Remaining :** 309,510.12

Anne M King

<b>Outstanding Receivables</b>	Invoice Number	Date	Amount	Balance Due
	3098916	11/8/2021	1,462.50	1,462.50
				1,462.50

**5 - NTW Ph 2 Project Management**

**Rate Labor**

*Class / Employee*

*Hours*

*Rate*

*Amount*

**Senior Professional - Grade 6**

Anne M King

8.50

206.000

1,751.00

**Total Rate Labor**

**1,751.00**

**7 - NTW Ph 2 Cultural Resources**

**Rate Labor**

*Class / Employee*

*Hours*

*Rate*

*Amount*

**Staff Professional - Grade 1**

Lena M Philliber

5.00

113.000

565.00

**Total Rate Labor**

**565.00**

**8 - NTW Ph 2 CEQA**

**Rate Labor**

*Class / Employee*

*Hours*

*Rate*

*Amount*

**Senior Consultant - Grade 8**

Phillip L Dunn

1.50

275.000

412.50

**Total Rate Labor**

**412.50**

**Total Project: 050115 - TRLIA-FEATHER RIVER LEVEE REPAIRS**

**2,728.50**

**FEATHER RIVER LEVEE REPAIR PROJECT  
FEATHER RIVER SETBACK LEVEE  
MONTHLY PROGRESS REPORT**

**GEI CONSULTANTS, INC.**

**Report Date:** November 5, 2021

**Report Period:** September 25, 2021 – October 29, 2021

**GEI Invoice No:** 3098919

The following activities were performed by GEI Consultants, Inc. for Phase 2 of the North Training Wall Project.

**Task 4005 – North Training Wall Phase 2 Project Management**

- Invoicing and file management
- Alternatives analysis discussion and research

**Task 4007 – North Training Wall Phase 2 Cultural Resources**

- Preliminary research on Munson Levee

**Task 4008 – North Training Wall Phase 2 CEQA**

- Evaluated CEQA approach and risks related to alternatives



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 Boston, MA 02284-3005

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**3149-3703 PRELIMINARY ENVIRONMENTAL REVIEW**  
 Reviewed - Tony Deus MBK 12/16/2021

**Three Rivers Levee Improvement**  
**COUNTY OF YUBA**  
**AUDITOR'S OFFICE**  
**915 EIGHT STREET, SUITE 105**  
**MARYSVILLE, CA 95901-5273**  
**United States**

**Invoice :** 3101493  
**Invoice Date :** 12/15/2021  
**Due Date :** 1/14/2022  
**Project :** 050115  
**Project Name :** TRLIA-FEATHER RIVER LEVEE  
 REPAIRS

**For Professional Services Rendered For 10/30/2021 Through 11/26/2021**

Phase 2 Task Orders (4005-4009)

**05 - NORTH TRAINING WALL PROJECT**

4000 - NORTH TRAINING WALL PROJECT  
*Rate Labor* 154.50

**Current**  
**Billings**

154.50

**Current Billings** 154.50  
**Amount Due This Bill** 154.50

**Total Fee :** 489,502.00  
**To Date Billings :** 187,443.56  
**Total Remaining :** 302,058.44

**Anne M King**

Outstanding Receivables	Invoice Number	Date	Amount	Balance Due
	3101489	12/15/2021	7,297.18	7,297.18
				7,297.18



**5 - NTW Ph 2 Project Management**

**Rate Labor**

*Class / Employee*

*Hours*

*Rate*

*Amount*

**Senior Professional - Grade 6**

Anne M King

0.25

206.000

51.50

**Total Rate Labor**

**51.50**

**6 - NTW Ph 2 Bio Resources**

**Rate Labor**

*Class / Employee*

*Hours*

*Rate*

*Amount*

**Senior Professional - Grade 6**

Sarah A. Norris

0.50

206.000

103.00

**Total Rate Labor**

**103.00**

**Total Project: 050115 - TRLIA-FEATHER RIVER LEVEE REPAIRS**

**154.50**

**FEATHER RIVER LEVEE REPAIR PROJECT  
FEATHER RIVER SETBACK LEVEE  
MONTHLY PROGRESS REPORT**

**GEI CONSULTANTS, INC.**

**Report Date: December 8, 2021**

**Report Period: October 30, 2021 – November 26, 2021**

**GEI Invoice No: 3101493**

The following activities were performed by GEI Consultants, Inc. for Phase 2 of the North Training Wall Project.

**Task 4005 – North Training Wall Phase 2 Project Management**

- Invoicing and file management

**Task 4006 – Biological Resources**

- Researched Phase 2 constraints



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 Boston, MA 02284-3005

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Three Rivers Levee Improvement  
 COUNTY OF YUBA  
 AUDITOR'S OFFICE  
 915 EIGHT STREET, SUITE 105  
 MARYSVILLE, CA 95901-5273  
 United States

Invoice : 3102570  
 Invoice Date : 1/12/2022  
 Due Date : 2/11/2022  
 Project : 050115  
 Project Name : TRLIA-FEATHER RIVER LEVEE  
 REPAIRS

**For Professional Services Rendered For 11/27/2021 Through 12/31/2021**

Phase 2 (Task Orders 4005-4009)

**05 - NORTH TRAINING WALL PROJECT**

4000 - NORTH TRAINING WALL PROJECT  
 Rate Labor 824.00

**Current  
 Billings**  
 824.00

**Current Billings** 824.00  
**Amount Due This Bill** 824.00

**Total Fee :** 489,502.00  
**To Date Billings :** 193,192.81  
**Total Remaining :** 296,309.19

Anne M King

Outstanding Receivables	Invoice Number	Date	Amount	Balance Due
	3101489	12/15/2021	7,297.18	7,297.18
	3101493	12/15/2021	154.50	154.50
	3102566	1/12/2022	4,925.25	4,925.25
				12,376.93

5 - NTW Ph 2 Project Management

Rate Labor

Class / Employee

Hours

Rate

Amount

Senior Professional - Grade 6

Anne M King

3.00

206.000

618.00

**Total Rate Labor**

**618.00**

8 - NTW Ph 2 CEQA

Rate Labor

Class / Employee

Hours

Rate

Amount

Senior Professional - Grade 6

Anne M King

1.00

206.000

206.00

**Total Rate Labor**

**206.00**

**Total Project: 050115 - TRLIA-FEATHER RIVER LEVEE REPAIRS**

**824.00**

**FEATHER RIVER LEVEE REPAIR PROJECT  
FEATHER RIVER SETBACK LEVEE  
MONTHLY PROGRESS REPORT**

**GEI CONSULTANTS, INC.**

**Report Date: January 10, 2022**

**Report Period: November 26, 2021 – December 31, 2021**

**GEI Invoice No: 3102570**

The following activities were performed by GEI Consultants, Inc. for Phase 2 of the North Training Wall Project.

**Task 4005 – North Training Wall Phase 2 Project Management**

- Reviewed alternatives analysis
- Invoicing and file management

**Task 4006 – Biological Resources**

- Coordinated CEQA approach with MBK