



**TRLIA
2nd QUARTERLY
PROGRESS REPORT
FOR
GOLDFIELDS HIGH GROUND
FEASIBILITY STUDY**

Project Name: Goldfields High Ground Feasibility Study
DWR Control No.: #4600009836
Reporting Date: May 23, 2013
Reporting Agency: Three Rivers Levee Improvement Authority (TRLIA)
Reporting Period: January 1 – March 31, 2013

Project Information:

This second quarterly progress report includes information on efforts for the study from January 1, 2013 through March 31, 2013. The project information also includes a brief description of scheduled next quarter efforts (April 1, 2013 to June 30, 2013)

TASK 1 ENGINEERING

Sub-Task 1.1 Review of Existing Data

Effort 2nd Quarter, January – March 2013

No effort on this sub-task during this quarter.

Effort 3rd Quarter, April – June 2013

No effort on this sub-task during this quarter.

Sub-Task 1.2 Site Reconnaissance, Geotechnical Explorations, Laboratory Testing

Effort 2nd Quarter, January – March 2013

ENGEO conducted field tour of proposed boring sites with USACE and other Study Team Members.

Effort 3rd Quarter, April – June 2013

ENGEO will develop additional boring plan for selected 100-year project. Initial effort will be taken to develop access roads to the boring sites and perhaps some borings will be done.

Sub-Task 1.3 Geotechnical Analysis

Effort 2nd Quarter, January – March 2013

ENGEO determined areas of fill, calculated earthwork quantities and prepared cost estimates for the final array of 100-year alternatives.

Effort 3rd Quarter, April – June 2013

ENGEO will continue to develop quantities and cost estimates for revisions to the selected 100-year plan until the plan is finalized. ENGEO will begin evaluations on potential 200-year alternatives.

Sub-Task 1.4 Hydraulic Analysis

Effort 2nd Quarter, January – March 2013

Hydraulic Technical Appendix was revised for the 100-year project.

Effort 3rd Quarter, April – June 2013

Initial hydraulic runs will be done in the Yuba River to evaluate the 200-year in-water alternative. Hydraulic Technical Appendix will be completed for the 100-year project.

Sub-Task 1.5 Geomorphic Evaluation

Effort 2nd Quarter, January – March 2013

No effort on this sub-task during this quarter.

Effort 3rd Quarter, April – June 2013

No effort on this sub-task during this quarter.

Sub-Task 1.6 Project Management & Administration

Effort 2nd Quarter, January – March 2013

Oversight and management of engineering evaluations continued.

Effort 3rd Quarter, April – June 2013

Oversight and management of engineering evaluations will continue.

TASK 2 ALTERNATIVES EVALUATION

Sub-Task 2.1 Research History of Federal and State Actions in the Goldfields

Effort 2nd Quarter, January – March 2013

No effort on this sub-task during this quarter.

Effort 3rd Quarter, April – June 2013

No effort on this sub-task during this quarter.

Sub-Task 2.2 Environmental Evaluation

Effort 2nd Quarter, January – March 2013

An environmental constraints survey was conducted along the most promising 100-year alignments. This survey included a stem count on elderberry shrubs which may be impacted by fill for the 100-year selected project.

Effort 3rd Quarter, April – June 2013

Additional environmental constraints surveys will occur for revisions to the selected 100-year plan alignment.

Sub-Task 2.3 Real Estate Assistance

Effort 2nd Quarter, January – March 2013

TRLIA sent letter to USACE requesting real estate interest for the alignment of the selected 100-year plan.

Effort 3rd Quarter, April – June 2013

TRLIA sent letter to USACE requesting real estate interests to conduct minor fill behind Site J. TRLIA will coordinate revision in 100-year footprint with USACE. This revision will require a larger area of real estate interests. TRLIA will provide USACE information (Biological assessment and legal description) requested to support real estate license.

Sub-Task 2.4 Feasibility Study

Effort 2nd Quarter, January – March 2013

The final set of 100-year alternatives was evaluated and an initial selected plan identified (Alignment 12a). Evaluation and selection information was documented in the draft Feasibility Study Report. Technical appendices were revised. The initial selected plan was coordinated with the Goldfields mining interests. New information on future dredge paths required a revision selected plan which resulted in a new Alignment 12b. AECOM provided the topographic analysis to determine the best location for the revised alignments.

Effort 3rd Quarter, April – June 2013

Western Aggregates requested a revision to the eastern end of Alignment 12b to lessen the impact to their future aggregate mining plans. ENGeo provided the topographic analysis to determine the best location for the revised alignments. The evaluation Team will meet to develop an initial array of 200-year alternatives. These alternatives will be evaluated to reduce the array to the most promising alternatives for more detailed evaluation. Significant stake holders will be identified and a plan developed and implemented to gather stake holder input on the 200-year project alternatives under consideration. Work will continue on the initial draft of the Feasibility Study Report completed which presents the selected 100-year plan. It is expected that this report will be submitted to DWR for review in July 2013

Sub-Task 2.5 Project Management & Administration

Effort 2nd Quarter, January – March 2013

Technical managers oversaw the efforts of technical team members and reviewed products from analysis.

Effort 3rd Quarter, April – June 2013

Oversight and review of evaluation efforts and products will continue.

TASK 3 ENVIRONMENTAL DOCUMENTATION AND PERMITS

Sub-Task 3.1 Document Preparation and Acquire Permits

Effort 2nd Quarter, January – March 2013

No effort on this sub-task during this quarter.

Effort 3rd Quarter, April – June 2013

Preparation of an environmental assessment for the selected 100-year project will begin. This will be needed for coordination with the USFWS over elderberry shrub impacts. Preparation of a CEQA Document will also begin. It is TRLIA's assumption that this document will result in an Initial Study with a Mitigated Negative Declaration. Air Quality impacts may change this assumption.

Sub-Task 3.2 Project Management & Administration

Effort 2nd Quarter, January – March 2013

Oversight and review of environmental documents began.
Effort 3rd Quarter, April – June 2013
Oversight and review of environmental documents will continue.

TASK 4 – PROJECT ADMINISTRATION

Sub-Task 4.1 Project Administration

Effort 2nd Quarter, January – March 2013

Program Managers oversaw and directed project feasibility study.

Effort 3rd Quarter, April – June 2013

Program Managers will continue oversight and direction of the project feasibility study.

Status of permits, easements, rights-of-way, and approvals as may be required by other State, Federal, and/or Local agencies:

USACE provided a revised license to drill Becker Hammer Borings on USACE land. The selected plan alignment crosses land owned by USACE. TRLIA submitted a letter to USACE on March 11, 2013 requesting real estate rights to construct the embankment and also requesting USACE assistance in coordinating with the USFWS. Coordination continues with USACE to obtain these real estate interests.

Major accomplishments this quarter (i.e. tasks completed, milestones met, meetings held or attended, press releases, etc.)

No significant accomplishments this quarter.

Issues/concerns that have, will, or could affect the schedule or budget, with a recommendation on how to correct the matter:

None

Differences between the work to be performed and the work outlined in the Overall Work Plan, including anticipated change orders:

There have been no significant changes in the Overall Work Plan from those presented in the 1st Quarterly Progress Report.

Legal Matters:

None

Cost Information:

The following changes in the study cost were presented in the 1st Quarterly Progress Report. No additional changes in the study cost are proposed in this quarter.

Task	Task Description	New Estimate			Initial Workplan Estimate			Overall Difference
		Overall	State	Local	Overall	State	Local	
1.0	Engineering Evaluation	\$ 2,088,300	\$ 988,100	\$ 1,100,200	\$ 1,678,833	\$ 1,030,483	\$ 648,350	\$ 409,467
1.1	Review of Existing Data	\$ 19,000	\$ 7,000	\$ 12,000	\$ 19,000	\$ -	\$ 19,000	\$ -
1.2	Site Recon, Geotech Exploration, Lab Testing	\$ 296,000	\$ 122,600	\$ 173,400	\$ 296,000		\$ 296,000	\$ -
1.3	Geotechnical Analysis	\$ 613,900	\$ 200,700	\$ 413,200	\$ 231,000	\$ 231,000	\$ -	\$ 382,900
1.4	Hydraulic Analyses	\$ 581,400	\$ 369,300	\$ 212,100	\$ 791,000	\$ 491,486	\$ 299,514	\$ (209,600)
1.5	Geomorphic Evaluation	\$ 353,000	\$ 150,000	\$ 203,000	\$ 169,500	\$ 169,500	\$ -	\$ 183,500
1.6	Project Management & Administration	\$ 225,000	\$ 138,500	\$ 86,500	\$ 172,333	\$ 138,497	\$ 33,836	\$ 52,667
2.0	Alternatives Evaluation	\$ 676,300	\$ 475,100	\$ 201,200	\$ 516,784	\$ 516,784	\$ -	\$ 159,516
2.1	Research History of Goldfields	\$ 56,500	\$ 36,300	\$ 20,200	\$ 56,500	\$ 56,500	\$ -	\$ -
2.2	Environmental Evaluation	\$ 106,700	\$ 56,600	\$ 50,100	\$ 56,600	\$ 56,600	\$ -	\$ 50,100
2.3	ROW/ Real Estate Evaluation	\$ 68,300	\$ 46,700	\$ 21,600	\$ 68,250	\$ 68,250	\$ -	\$ 50
2.4	Feasibility Study	\$ 377,200	\$ 282,500	\$ 94,700	\$ 282,500	\$ 282,500	\$ -	\$ 94,700
2.5	Project Management & Administration	\$ 67,600	\$ 53,000	\$ 14,600	\$ 52,934	\$ 52,934	\$ -	\$ 14,666
3.0	Environmental Documentation and Permits	\$ 377,800	\$ 377,800	\$ -	\$ 377,733	\$ 377,733	\$ -	\$ 67
3.1	Document Preparation (100 and 200 year plan)	\$ 339,000	\$ 339,000	\$ -	\$ 339,000	\$ 339,000	\$ -	\$ -
3.2	Project Management and Administration	\$ 38,800	\$ 38,800	\$ -	\$ 38,733	\$ 38,733	\$ -	\$ 67
4.0	Project Administration	\$ 280,100	\$ 159,000	\$ 121,100	\$ 75,000	\$ 75,000	\$ -	\$ 205,100
4.1	Project Management & Administration	\$ 280,100	\$ 159,000	\$ 121,100	\$ 75,000	\$ 75,000	\$ -	\$ 205,100
Total Amount		\$ 3,422,500	\$2,000,000	\$ 1,422,500	\$ 2,648,350	\$ 2,000,000	\$ 648,350	\$ 774,150

Demonstrate financial ability to pay local cost share of Eligible Project Costs required to complete the Project:

The funding agreement is a 100% State funded grant for eligible project expenses incurred after the effective date of the agreement up to funding agreement limit. TRLIA's local share of the project is represented primarily by those costs of the project incurred prior to the effective date of the agreement. To the effective date of the Agreement, TRLIA has funded \$1,096,000 (approximately 77% of the total local share of \$1,422,500). Any additional funds needed after the State's share of \$2,000,000 needed to complete the project would come from TRLIA's cash reserves.

Budget Progression

The attached table entitled "2nd Quarter Progress Report" shows the costs incurred for the 2nd quarter and the cumulative costs to date of the project as compared to budget presented in the Cost Information section above. The attached table entitled "2nd Quarter Progress Report" also shows the requested reimbursement for the quarter. This amount coincides with TRLIA's progress invoice No. 2 also attached.

Based upon the revised budget presented within, the budget progression is appropriate to the work percent complete as shown in the attached table.

Costs Incurred

Costs were incurred for the following Task and Sub-Task Items during the reporting period.

- Geotechnical Analysis (Subtask 1.3)
- Hydraulic Analysis (Subtask 1.4)
- Geomorphic Evaluation of South Training Wall (Subtask 1.5)
- Project Management & Administration (Subtask 1.6)
- Environmental Evaluation (Subtask 2.2)
- ROW / Real Estate Evaluation (Subtask 2.3)
- Feasibility Study (Subtask 2.4)
- Project Management and Administration (Subtask 2.5)
- Env. Doc & Permitting Project Mgt. Efforts (Subtask 3.2)
- Project Management & Administration (Subtask 4.1)

Schedule Information:

There have been some changes in the schedule since the reported schedule in the 1st QPR. Refinement revisions to the 100-year selected plan delayed initiation of final environmental documentation and final preparation of the Initial Draft of the Feasibility Report. These revisions are due to additional coordination with critical stake holders (Mining Companies) to be certain that the 100-year project will be acceptable to them. This acceptance is critical to project implementation. The initiation of formulation and evaluation of the 200-year alternatives has commenced even as the 100-year project selection was delayed. This concurrent effort is hoped to regain some of the schedule for the final project selection.

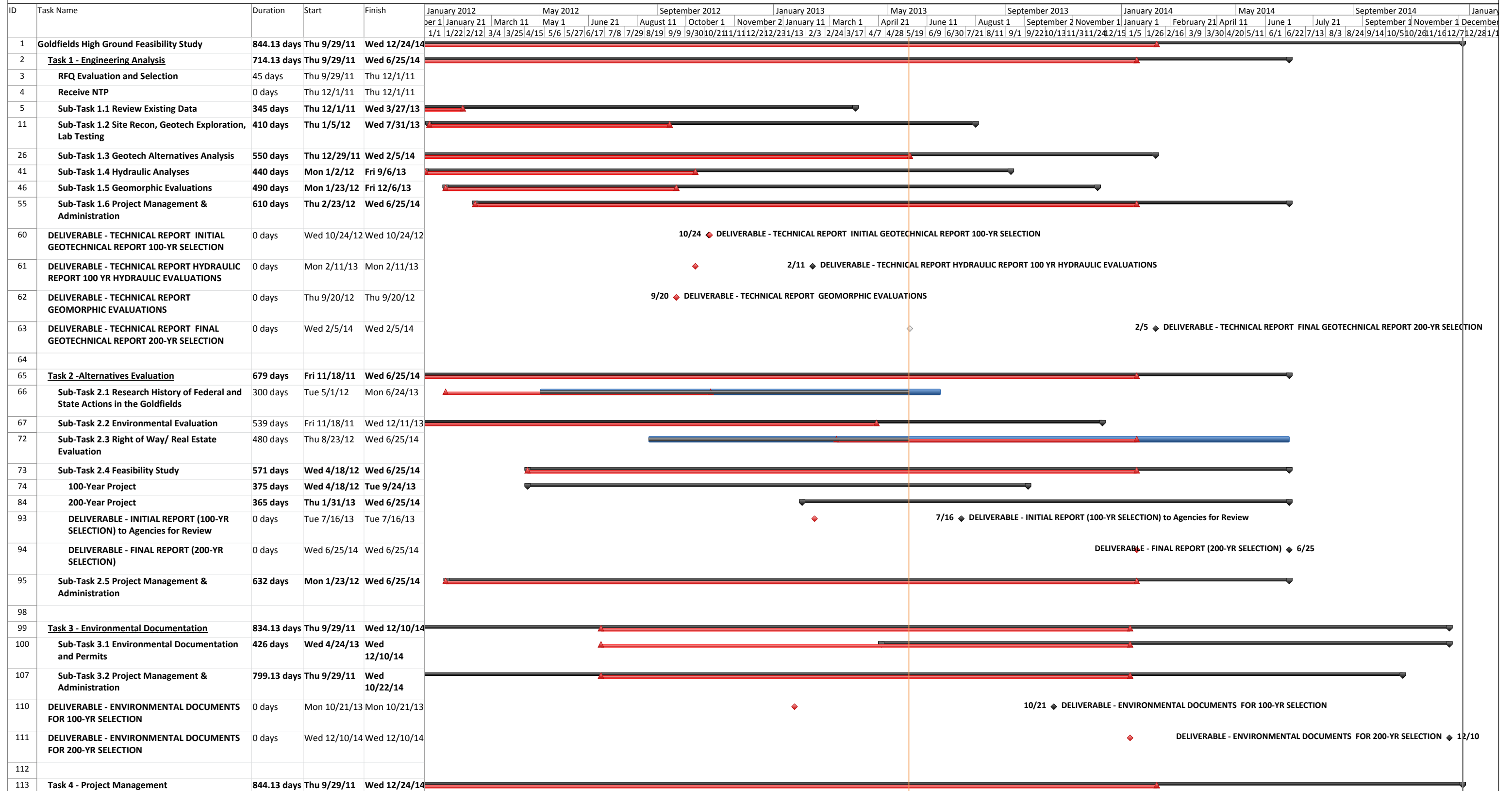
Unknowns with respect to the type of CEQA and NEPA documentation that may be required for the 100-year and 200-year selected projects is complicating schedule development. If documents can stay at the Initial Study/Environmental Assessment level the time to prepare the documents will be much less. If the 200-year selected alternative involves work in the Yuba River, then environmental assessment will be more complicated and environmental documentation will most likely require an Environmental Impact Report /Environmental Impact Statement. These answers may not be known until later in 2013.

Submission of the Initial Feasibility Study has slipped from June 2013 to July 2013. Environmental Documentation for this selection will follow the report which presents the selected plan.

Attachments

1. 2nd Quarter Progress Report Summary and Invoice

Yuba Goldfields High Ground Feasibility Study



Project: Goldfields High Ground E Date: Thu 5/23/13	Task		Summary		External Milestone		Inactive Summary		Manual Summary Rollup		Finish-only		Baseline Milestone	
	Split		Project Summary		Inactive Task		Manual Task		Manual Summary		Deadline		Baseline Summary	
	Milestone		External Tasks		Inactive Milestone		Duration-only		Start-only		Baseline		Progress	

Three Rivers Levee Improvement Authority
Goldfields High Ground Feasibility Study
DWR Agreement No. 4600009836
2nd Quarter Progress Report Summary
January 1 - March 31, 2013
May 20, 2013

Task Number	Task Description <i>Formula</i>	Overall Project Budget			2nd Quarter Summary			Expended through March 31, 2013			Percent of Budget Expended through December 31, 2012 <i>d = (b+c)/a</i>
		Overall <i>a</i>	State	Local	Overall <i>b</i>	State	Local	Overall <i>c</i>	State	Local	
1.0	Engineering Evaluation	\$ 2,088,300.00	\$ 988,100.00	\$ 1,100,200.00	\$ 38,698.61	\$ 38,698.61	\$ -	\$ 927,704.59	\$ 128,143.72	\$ 799,560.87	46.3%
1.1	Review of Existing Data	\$ 19,000.00	\$ 7,000.00	\$ 12,000.00	\$ -	\$ -	\$ -	\$ 10,998.69	\$ -	\$ 10,998.69	57.9%
1.2	Site Recon, Geotech Exploration, Lab Testing	\$ 296,000.00	\$ 122,600.00	\$ 173,400.00	\$ -	\$ -	\$ -	\$ 173,359.03	\$ -	\$ 173,359.03	58.6%
1.3	Geotechnical Analysis	\$ 613,900.00	\$ 200,700.00	\$ 413,200.00	\$ 26,196.54	\$ 26,196.54	\$ -	\$ 290,476.34	\$ 77,297.05	\$ 213,179.29	51.6%
1.4	Hydraulic Analyses	\$ 581,400.00	\$ 369,300.00	\$ 212,100.00	\$ 9,658.90	\$ 9,658.90	\$ -	\$ 191,137.48	\$ 28,540.63	\$ 162,596.85	34.5%
1.5	Geomorphic Evaluation of South Training Wall	\$ 353,000.00	\$ 150,000.00	\$ 203,000.00	\$ 233.17	\$ 233.17	\$ -	\$ 162,300.53	\$ 9,306.05	\$ 152,994.48	46.0%
1.6	Project Management & Administration	\$ 225,000.00	\$ 138,500.00	\$ 86,500.00	\$ 2,610.00	\$ 2,610.00	\$ -	\$ 99,432.51	\$ 12,999.99	\$ 86,432.52	45.4%
2.0	Alternatives Evaluation	\$ 676,300.00	\$ 475,100.00	\$ 201,200.00	\$ 58,651.72	\$ 58,651.72	\$ -	\$ 309,637.13	\$ 120,589.44	\$ 189,047.69	54.5%
2.1	Research History of Federal and State Actions in the Go	\$ 56,500.00	\$ 36,300.00	\$ 20,200.00	\$ -	\$ -	\$ -	\$ 20,733.39	\$ 561.00	\$ 20,172.39	36.7%
2.2	Environmental Evaluation	\$ 106,700.00	\$ 56,600.00	\$ 50,100.00	\$ 12,012.50	\$ 12,012.50	\$ -	\$ 68,744.72	\$ 31,589.22	\$ 37,155.50	75.7%
2.3	ROW/ Real Estate Evaluation	\$ 68,300.00	\$ 46,700.00	\$ 21,600.00	\$ 8,427.00	\$ 8,427.00	\$ -	\$ 29,979.00	\$ 8,427.00	\$ 21,552.00	56.2%
2.4	Feasibility Study	\$ 377,200.00	\$ 282,500.00	\$ 94,700.00	\$ 29,695.00	\$ 29,695.00	\$ -	\$ 162,128.30	\$ 66,695.00	\$ 95,433.30	50.9%
2.5	Project Management & Administration	\$ 67,600.00	\$ 53,000.00	\$ 14,600.00	\$ 8,517.22	\$ 8,517.22	\$ -	\$ 28,051.72	\$ 13,317.22	\$ 14,734.50	54.1%
3.0	Environmental Documentation and Permits	\$ 377,800.00	\$ 377,800.00	\$ -	\$ 6,999.50	\$ 6,999.50	\$ -	\$ 6,999.50	\$ 6,999.50	\$ -	3.7%
3.1	Document Preparation	\$ 339,000.00	\$ 339,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0.0%
3.2	Project Management and Administration (Management efforts)	\$ 38,800.00	\$ 38,800.00	\$ -	\$ 6,999.50	\$ 6,999.50	\$ -	\$ 6,999.50	\$ 6,999.50	\$ -	36.1%
4.0	Project Administration	\$ 280,100.00	\$ 159,000.00	\$ 121,100.00	\$ 13,156.72	\$ 13,156.72	\$ -	\$ 143,093.32	\$ 20,327.22	\$ 122,766.10	55.8%
4.1	Project Management & Administration (scope, schedule and budget of overall project)	\$ 280,100.00	\$ 159,000.00	\$ 121,100.00	\$ 13,156.72	\$ 13,156.72	\$ -	\$ 143,093.32	\$ 20,327.22	\$ 122,766.10	55.8%
Total Amount		\$ 3,422,500.00	\$ 2,000,000.00	\$ 1,422,500.00	\$ 117,506.55	\$ 117,506.55	\$ -	\$ 1,387,434.54	\$ 276,059.88	\$ 1,111,374.66	44.0%

Total Amount of this Invoice	\$ 117,506.55	Previous Retention Balance	\$ 15,855.33
Retained	\$ 11,750.66	Retained this Invoice	\$ 11,750.66
Amount Dues	\$ 105,755.90	Total Retained	\$ 27,605.99