185221

AMENDMENT NO. 3

CONTRACT NO. 38100

Design Services for

EAST LENTS FLOODPLAIN RESTORATION PROJECT

Pursuant to Ordinance No. _____

This Contract was made and entered into on the 30th day of June, 2008, by and between Otak, Inc., hereinafter called Contractor, and the City of Portland, a municipal corporation of the State of Oregon, by and through its duly authorized representatives, hereinafter called City, and is being amended herein.

1. No additional time is required for this amendment.

2. Additional compensation is necessary and shall not exceed $247,200. The new not-to-exceed contract amount is $2,364,270.

3. EXHIBIT A Statement of the Work and Payment Schedule is revised as follows:

SUMMARY OF ORIGINAL CONTRACT AMOUNT AND AMENDMENTS				
	Authorization Date	**Amount Authorized**	**Percentage of Original Authorized Contract Amount**	**Adjusted Contract Amount**
Contract 38100 (ordinance)	6/30/2008	$695,788	100.00%	$695,788
Amendment No. 1	6/14/2009	$173,818	24.98%	$869,606
Amendment No. 2	8/09/2010	$1,247,464	179.29%	$2,117,070
Amendment No. 3	[redacted]	$247,200	35.53%	$2,364,270

PROJECT TASK BUDGET ADJUSTMENTS				
Task No.	Description	Current Task Budget Amounts	Amendment No. 3 Amounts	Adjusted Task Budget Amounts
1.0	Project Management	$300,378	$5,360	$305,738
2.0	Public Involvement	36,925	-	$36,925
3.0	Engineering and Design Support	$363,606	$22,624	$386,230
4.0	Supplemental Survey	$54,022	-	$54,022
5.0	30% Design Phase	$77,542	-	$77,542
6.0	60% Design Phase	$124,216	-	$124,216
7.0	90% Design Phase	$89,168	-	$89,168
8.0	100% Design Phase	$48,886	-	$48,886
9.0	Final Design Phase	$18,910	-	$18,910

10.0	Permit Application Support Services	$52,423	-	$52,423
11.0	Design Services During Construction	$55,720	-	$55,720
12.0	Effectiveness Monitoring Plan	$30,172	-	$30,172
13.0	LOMR (letter of map revision)	$166,244	$30,400	$196,644
14.0	30% Design of Phase 2	$148,789	-	$148,789
15.0	60% Design of Phase 2	$188,585	-	$188,585
16.0	90% Design of Phase 2	$103,062	-	$103,062
17.0	100% Design of Phase 2	$68,963	-	$68,963
18.0	Final Design of Phase 2	$21,015	-	$21,015
19.0	Permit Support Services for Phase 2	$60,249	$15,041	$75,290
20.0	Design Services During Construction Phase 2	$72,423	-	$72,423
21.0	Public Access Improvements	-	$80,496	$80,496
22.0	Private Access Improvements	-	$15,512	$15,512
23.0	Operation and Maintenance	-	$30,532	$30,532
24.0	Post Construction Monitoring and Evaluation	-	$45,736	$45,736
	Total Labor Cost	$2,081,298	$245,701	$2,326,999
	Direct Expenses (Drill Rig Subcontracts)	$9,400	-	$9,400
	Direct Expenses (Laboratory Testing)	$5,800	-	$5,800
	Subconsultant Administration (5%)	$20,572	$1,499	$22,071
	TOTAL	**$2,117,070**	**$247,200**	**$2,364,270**

PURPOSE

As part of a negotiated land swap, the City agreed to assist the private property owner with land use permitting process. Through this process, the Fire Bureau has identified multiple inherited deficiencies at the south end of SE 108th Avenue that prohibit the City from allowing occupancy of the new and relocated homes at the south end of SE 108th Avenue. To correct the existing deficiencies and allow occupancy, the roadway profile has to be adjusted to below a 15 percent slope and be paved on portions that exceed 10 percent. In addition, a fire hydrant has to be added and the water supply system upgraded to deliver 1750 gpm of flow to the new fire hydrant. The Portland Water Bureau will install the fire hydrant. The Contractor needs to prepare plans, specifications, and cost estimates to design the grading and paving improvements at the south end of SE 108th Avenue, and expedite design of the proposed water main along the new road (SE Cooper Street).

The Bureau of Environmental Services has coordinated with the Parks Bureau to incorporate public access improvements within the open space area created by this project. The improvements include a parking lot on Foster Road, a multi-use trail, and a new bridge across the restored Johnson Creek to allow access to the multi-use trail across Johnson Creek.

Hydraulic modeling of existing conditions is believed to over-predict water surface elevations downstream of the project, resulting in new areas of the City to be shown as part of the 100-year floodplain. These results were part of the updated floodplain mapping required by the Letter of Map Revision process and

not due to construction of this project. Additional topographic survey data is being gathered by PBOT in downstream areas to improve the accuracy of the hydraulic models. The Contractor needs to revise the project hydraulic models to include the new topographic data and revise the 100-year floodplain mapping to match the new model results.

The Contractor will assist the City with engineering analysis, design services, and develop recommendations for on-going operations and maintenance of this floodplain restoration project. This requires the Scope of Work and budgets be amended to cover the additional effort required to complete this project.

UNDERSTANDING

- The City will advertise in January of 2012 to construct Phase 2 in 2012.
- The Public Access Improvements require additional permits from the City. Contractor will prepare and submit a third Land Use Review application for the pedestrian bridge and removal of additional trees. BES will prepare applications and obtain right-of-way permits from PBOT and any other permits from BDS (i.e., building permit, etc.).
- The BES revegetation team will coordinate the installation of plantings except street trees. Street trees will be included in the construction documents prepared for this project.

SCHEDULE OF WORK

The proposed scope of work in this amendment is integrated into the ongoing design for Phase 2. The construction of Phase 2 is scheduled for completion November 2012. On going post construction services will continue until contract expiration on December 31st, 2014.

SCOPE AND BUDGET

The Scope of Work is amended as follows:

1. Amend the scope of work for Task 1.0 PROJECT MANAGEMENT as shown, and increase the budget for this task from $300,378 to $305,738, a $5,360 increase:

Add to this Subtask, as shown:

1.1 Project Initiation

To perform this task, Contractor will:

- Work with Project Manager and other stakeholders at the City to define and create an amended scope of work to prepare for design of the following project elements: Additional survey to complete the Phase 2 LOMR and project complete CLOMR applications, Public Access Improvements, 6821-6829 SE 112th Avenue driveway realignment and Improvements to the south end of SE 108th Avenue for fire access requirements..

2. Amend the scope of work for Task 3.0 ENGINEERING AND DESIGN SUPPORT as shown, and increase the budget for this task from $363,606 to $386,230, a $22,624 increase:

Add scope to this Subtask, as shown:

3.1.5 – Phase 2 Geotechnical Investigations

The purpose of this task will be to provide supplemental geotechnical recommendations for the design of a bridge foundation to support the multi-use trail bridge across Johnson Creek.

To perform this task, Ash Creek Associates will:

- Complete a surface geologic reconnaissance of the site.
- Walk available portions of the site to observe surface manifestations of geotechnical issues associated with the proposed bridge, including an evaluation of current creek slopes as well as surface vegetation, surface fills, soil exposures, springs or seeps, soft ground, and evidence of slope movement.
- Complete two cone penetrometer soundings (one near each abutment location) to supplement the previously collected subsurface information.
- Prepare a Supplemental Geotechnical Assessment Memorandum to include the following:
    - Comprehensive descriptions of subsurface conditions.
    - A description of native and fill soils present on the site and their potential impacts on the proposed construction.
    - Excavation conditions.
    - Seismic design recommendations in accordance with AASHTO including an evaluation of liquefaction potential.
    - Excavation dewatering recommendations.
    - Recommendations for shoring pressures.
    - Bridge foundation recommendations including deep foundations, if necessary.
    - Retaining wall recommendations including lateral earth pressures.
    - Recommendations for backfill and compaction.

3.1.6 – Deliverables

- Supplemental Geotechnical Assessment Memorandum.

Add scope to this Subtask, as shown:

3.9 – Hydraulic Report

- Incorporate description of new data obtained to revise existing conditions hydraulic model, a description of the recalibration efforts, and results from the revised hydraulic modeling into the Draft Phase 2 Hydraulics report.

Add scope to this Subtask, as shown:

3.13 Hydraulics – PHASE 2

To perform this task the Contractor will:

- Revise project conditions model to include changes to existing conditions model downstream of the project site.
- Re-evaluate benefits of project conditions.
- Provide recommendations for adjustments to the proposed design tomeet hydraulic performance requirements and goals of the project.

3.13.1 Assumptions:

- Design adjustments can be made to overflow weir locations and finish grade of Phase 2 project elements.
- Unanticipated design adjustments will be addressed during construction.

3. Amend the scope of work for Task 13.0 LOMR as shown, and increase the budget for this Task from $166,244 to $196,644, a $30,400 increase.

Add the following Subtask:

13.5 Revised Modeling Across FLC:

The purpose of this task is to coordinate with the City and downstream property owners to obtain new/current topographic survey data in Johnson Creek downstream of the project (approximately 3,500 feet) and to use the data to improve upon the accuracy of the existing conditions hydraulic model used in the LOMR process to map the 100-year floodplain.

To perform this task, Contractor will:

- Update models and analysis performed under Subtask 13.2 to incorporate the new topographic data.
- Update the models to include stream gauge hydrographs that were recently revised by USGS.
- Review additional information provided about flood extents during the January 2009 flood.
- Re-calibrate the existing conditions hydraulic model to improve calibration downstream of project, while maintaining or improving calibration within the project area.
- Present results of the revised modeling to the City at a City Stakeholder Meeting before beginning to prepare Phase 2 CLOMR Application (Subtask 13.3).

13.5 Assumptions:

- City will facilitate coordination with downstream property owners.
- City will provide additional topographic survey.

4. Amend the scope of work for Task 19.0 PERMIT SUPPORT SERVICES FOR PHASE 2 as shown, and increase the budget for this Task from $60,249 to $75,290, a $15,041 increase.

Add scope to this Subtask, as shown:

19.4 Environmental Review

To perform this subtask PHS will:

- Prepare a third Environmental Review application.
- Assist the City in responding to questions during review of the third Environmental Review application.

19.4.1 Assumptions:

- The third Environmental Review will cover the multi-use trail and bridge within the E-Zone, removal of existing 106th, 108th and 110th Avenue Bridges over Johnson Creek, removal of additional trees to construct a permanent concrete sidewalk along SE Foster Road, and other tree removal requested by BES Revegetation Team in the project area that are not inside the grading limits of the project, but are considered to be invasive or potentially invasive.

19.4.2 Deliverables:

- Draft Environmental Review #3 (six (6) copies).
- Final Environmental Review #3 (original and six (6) copies).
- Electronic copy of final document in Word format.

5. Amend the scope of work to include the following Tasks (21 through 24) along with the budgets indicated for each Task. This adds $172,276 to the amended contract budget. Of this amount, $80,496 is for Task 21 - Public Access Improvements, $15,512 is for Task 22 - Private Access Improvements, $30,532 is for Task 23 - Operations and Maintenance and $45,736 is for Task 24 - Post Construction Monitoring and Evaluation.

Task 21 – Public Access Improvements [$80,496]

The purpose of this task is to define the requirements for public access improvements, develop a conceptual design plan, prepare budgetary cost estimates, then design the improvements, prepare construction documents and incorporate into the Phase 2 bid package to construct the improvements in 2012.

21.1 Public Access Planning

To perform this task, Contractor will:

- Develop a conceptual design for public access improvements that include a multi-use trail through the open space, a new bridge across Johnson Creek to support the multi-use trail, and a parking lot along SE Foster Road.
- Prepare planning level cost estimates to reflect the range of expected costs to construct the public access improvements.
- Review City development code to identify any obstacles to implementing public access improvements in 2012.
- Prepare a Draft Memorandum to summarize the public access improvement concept and expected costs.

21.2 Public Access Construction Documents

To perform this task Contractor will:

- Design bridge foundation for multi-use trail bridge.
- Revise stream bank grading to minimize bridge span.
- Use hydraulic models to test bridge hydraulics and determine scour countermeasure design recommendations.
- Establish multi-use trail design requirements and specifications for a prefabricated steel truss bridge.
- Prepare Volume 3 set of Final Construction Plans for bidding of the Public Access Improvements.
- Revise and resubmit construction drawings from Volume 1 and Volume 2 plan sets that require modifications so they coordinate with the Volume 3 Public Access Improvement work to be performed.
- Update the project special provisions for Phase 2 to include technical specifications for the public access improvement work elements.
- Update the Engineer's Estimate for Phase 2 to include quantities and costs to construct the public access improvements.
- Update the Bid Item list for Phase 2 to include pay items and quantities for public access improvements.
- Prepare planting plans for the parking lot area to be submitted as part of a permit application to BDS.
- Prepare a stormwater management memorandum to demonstrate that stormwater management requirements for the Parking Lot are being met.

- Provide Internal Design review of submittals.
- Coordinate with City (BES, PPB, PBOT) on design review.

21.3 Assumptions:

- Some design review comments may not be received until after the project has been advertised for construction and will need to be incorporated through bid addendum or as construction change orders.
- Volume 3 Plan Set will include the estimated sheets shown in Table 4.
- Public Access Improvements will require revisions to Volume 1, Sheets: G07, FS01, C02, C03, C05, C06, C08, C12, X01, X02, ST01, ST02, ST04, H01, D01, and D02.
- Public Access Improvements will require revisions to Volume 2, Sheets: 8, 9, 10, 11, 12, and 13.

21.4 Deliverables:

- Draft Public access Improvements Memorandum.
- Stamped and Signed, Full size Mylar set of Volume 3 drawings.
- Stamped and Signed, Full size Mylar replacement drawings for Volume 1 and Volume 2 drawings.
- PDF and AutoCAD copies of drawing files.
- Planting Plan drawing set as PDFs.
- Parking Lot Stormwater Management Memorandum.

Table 4: Sheet Count Assumptions for Public Access Improvements

SHEET TITLE	# of Sheets
Cover Sheet/Index Sheet	1
PUBLIC ACCESS IMPROVEMENTS	
Public Access Site Plan	1
Parking Lot Plan, Grading, Typical Sections	3
Parking Lot Details	2
Storm Sewer Plan and Profile	1
Stormwater Facility Details	1
Rollin Tire Site plan	1
Bridge plan and Elevation	1
Bridge Foundation Details	1
Bridge Details	1
Permanent Signage Plan	1
Total =	**14**

Task 22 – Private Access Improvements [$15,512]

The purpose of this task is to prepare design of improvements identified to accommodate/maintain access to private residences along the southern edge of the project. Some of the improvements are to meet existing substandard fire code access and water supply needs to obtain occupancy for residences relocated to the south end of SE 108th Avenue. Other improvements include the relocation of a private driveway access at 6821-6829 SE 112th Avenue onto the new SE Cooper Street for improved public safety.

22.1 SE 108th Avenue Roadway and Drainage

To perform this task, Contractor will:

- Prepare a design for the south end of SE 108th Avenue to meet fire access code requirements, including the addition of asphalt paving and adjustments to reduce the grade.
- Prepare approximate driveway grading designs for four driveway/parking locations along SE 108th Avenue to be graded to match new roadway profile and paved with asphalt. Final driveway grades will be established in the field during construction.
- Prepare storm sewer plan and profile design to collect runoff from south end of SE 108th Avenue, including private site runoff from adjacent properties.
- Incorporate SE 108th Avenue Roadway and Drainage designs into Construction documents for bidding and/or implementation as construction change orders.

22.2 Expedited Water Main

To perform this task, Contractor will:

- Expedite design of the proposed water main along new roadway (SE Cooper Street) to be constructed as part of Phase 1 improvements instead of Phase 2.
- Prepare set of water main drawings following PWB standards to be incorporated into the Bid Package.
- Update project special provisions, engineer's cost estimate, and bid item list to include specifications and payment for Water Main improvements.

22.3 SE 112th Driveway Relocation

To perform this task, Contractor will:

- Prepare three conceptual plan and profile designs depicting the location of a relocated driveway on to SE Cooper Street for the property at 6821-6829 SE 112th Avenue.
- Prepare design for preferred driveway alternative.
- Prepare construction details, specifications, quantities, and cost estimates for relocated driveway and incorporate them into the Phase 2 plan set.

22.4 Assumptions:

- Some design review comments may not be received until after the project has been advertised for construction and will need to be incorporated through bid addendum or as construction change orders.
- Drawings that need to be added to the plan set will include the estimated sheets shown in Table 5.

22.5 Deliverables:

- Stamped and Signed, Full size Mylar drawings.
- PDF and AutoCAD copies of drawing files.

Table 4: Sheet Count Assumptions for Public Access Improvements	
SHEET TITLE	# of Sheets
Cover Sheet/Index Sheet	1
WATER SUPPLY	
Water Line Plan and Profile	2
Water Line Details	1
Roadway (SE Cooper Street) Preliminary Grading	1
ROADWAY	
Roadway/Storm Sewer Plan and Profile (SE 108th)	1
Roadway Sections and Details (SE 108th)	1
Driveway Relocation (SE 112th)	1
Total =	**8**

Task 23 – Operations and Maintenance [$30,532]

The purpose of this task is to prepare a document that summarizes key infrastructure elements of this project in a single location for City maintenance staff, and to provide recommendations for on-going operation and maintenance practices.

23.1 Operation and Maintenance Planning

To perform this task, Contractor will:

- Prepare an Infrastructure Site Map depicting the location, size, and a unique ID for Key infrastructure elements constructed within the East Lents Floodplain Restoration project limits.
- Meet with City staff to review the Infrastructure Site Map and develop a list of operation and maintenance questions to be addressed in the Operations and Maintenance Manual.
- Define a set of inspections, inspection frequencies, and corrective actions/maintenance practices to address each of the questions (or category of questions) as agreed to with the City Project Manager.

23.2 Operation and Maintenance Manual

To perform this task, Contractor will:

- Assemble a Draft Operation and Maintenance Manual, to include the following information:
  - Introduction/Purpose
  - Relevant Contact Information
  - General Description of the Project System Operation
  - Design Parameters
  - Inspections to be Performed
  - Inspection Frequency/Schedule
  - Corrective Actions/Maintenance Procedures
  - Inspection Checklists
  - Permit Considerations
  - List of Relevant Drawings
  - List of Drawings Included in Plan Sets for Construction

  - Copies of Relevant Drawings
  - Manufacturer's Literature on parts used to construct project.
- Attend a meeting with City Stakeholders to receive review comments.
- Prepare Final Operation and Maintenance Manual.

23.3 Assumptions:

- The Infrastructure Site Map will also show property boundaries and relevant easements.
- In order to stay within the allocated budget available for this task, the City will prioritize the list of O&M questions and identify those that could be addressed by City staff without Consultant help. The Consultant will coordinate with BES project manager to agree upon an acceptable number of questions to be addressed in the O&M Manual.

23.4 Deliverables:

- Infrastructure Site Map
- Attendance at two (2), 2-hour meetings at the City.
- Draft Operation and Maintenance Manual (six (6) hard copies)
- Final Operation and Maintenance Manual (one (1) Original Hard Copy and PDF file)

Task 24 – Post Construction Monitoring and Evaluation [$45,736]

The purpose of this task is to both provide support to City staff during monitoring efforts post-construction to evaluate project performance based upon post-construction monitoring data, and to make recommendations of design changes to address movements in the constructed work.

24.1 Post-construction Monitoring Support

To perform this task, Contractor will:

- Assist the City with retrieval of project data for use in post-construction effectiveness monitoring.
- Visit the site with City staff post-construction to assist with data gathering and collection of observations.
- Record observations and photographs in a site visit memorandum and submit to the City as a PDF.

24.2 Post-construction Performance Evaluation

To perform this task, Contractor will:

- Perform statistical flood frequency analysis on stream flows.
- Compare hydrologic monitoring data with design predictions and pre-project flood data.
- Perform hydraulic calculations using post-construction monitoring data.
- Summarize performance evaluation conclusions in a short Performance Evaluation Memorandum and submit to the City as a PDF.

24.3 Post-construction Movements in Constructed Work

To perform this task, Contractor will:

- Identify movements in constructed work.
- Evaluate the consequences to the project design by the movement.
- Provide plan of action to protect at-risk constructed work.
- Develop remediation design plans to address at-risk constructed work.

23.4 Assumptions:

- Monitoring support is not to exceed 164 hours of professional staff time, as assumed in the detailed fee estimate.
- Performance evaluation is not to exceed 164 hours of professional time as assumed in the detailed fee estimate.

23.5 Deliverables:

- Post-construction site observation memorandum(s).
- Performance Evaluation Memorandum(s).
- Make recommendations or design changes to address movements in the constructed work

All other terms and conditions shall remain unchanged and in full force and effect.

OTAK, INC.

By: _____ Date: 2-11-12

Name: Tim KRAFT

Title: PRINCIPAL

CITY OF PORTLAND

By: _____ Date: _____

Elected Official

Approved as to Form: APPROVED AS TO FORM

James H. VanDyke

By: _____ Date: 2/22/2012

Office of City Attorney CITY ATTORNEY

East Lents Floodplain Restoration, Phase 1

ATTACHMENT C2 - Amendment 03 Budget Increase Details

Otak, Inc. increase

Otak Project # 14781

Task	*Description*	Sr PIC/Sr PM Civil	CE IX	CE VIII	CE V	CE III	CE II	CE I	Engr Tech III	Planner III	LSA III	Project Admin Asst	*Total Hours*	*Total Budget by Task*
1.0	**PROJECT MANAGEMENT**													
1.1	Project Initiation													
	Develop Amended Scope of Work			32								8	40	$5,360
2.0	**PUBLIC INVOLVEMENT**													
3.0	**ENGINEERING AND DESIGN SUPPORT**													
3.9	Hydraulic report													
	Final Report			40					12				52	$6,960
3.13	Hydraulics - PHASE 2		16	80					12				108	$15,664
4.0	**SUPPLEMENTAL SURVEY**													
5.0	**30 PERCENT DESIGN PHASE**													
6.0	**60 PERCENT DESIGN PHASE**													
7.0	**90 PERCENT DESIGN PHASE**													
8.0	**100 PERCENT DESIGN PHASE**													
9.0	**FINAL DESIGN PHASE**													
10.0	**PERMIT APPLICATION SUPPORT SERVICES**													
11.0	**DESIGN SERVICES DURING CONSTRUCTION**													
12.0	**EFFECTIVENESS MONITORING PLAN**													
13.0	**LOMR**													
13.5	Revised Modeling Across FLC		40	120					60			12	232	$30,400
14.0	**30 PERCENT DESIGN OF PHASE 2**													
15.0	**60 PERCENT DESIGN OF PHASE 2**													
16.0	**90 PERCENT DESIGN OF PHASE 2**													
17.0	**100 PERCENT DESIGN OF PHASE 2**													
18.0	**FINAL DESIGN OF PHASE 2**													
19.0	**PERMIT SUPPORT SERVICES FOR PHASE 2**													
20.0	**DESIGN SERVICES DURING CONSTRUCTION OF PHASE 2**													

East Lents Floodplain Restoration, Phase 1

ATTACHMENT C2 - Amendment 03 Budget Increase Details

Otak, Inc. increase

Otak Project # 14781

Task	*Description*	Sr PIC/Sr PM Civil	CE IX	CE VIII	CE V	CE III	CE II	CE I	Engr Tech III	Planner III	LSA III	Project Admin Asst	*Total Hours*	*Total Budget by Task*
21.0	**PUBLIC ACCESS IMPROVEMENTS**													
21.1	Public Access Planning		24				24			4			52	$6,948
21.2	Public Access Construction Documents	4	60	40	24		200	200	100		80		708	$73,548
22.0	**PRIVATE ACCESS IMPROVEMENTS**													
22.1	SE 108th Roadway and Drainage		4				40						44	$4,676
22.2	Expedited Water Main						4						4	$400
22.3	SE 112th Driveway Relocation						4						4	$400
23.0	**OPERATION AND MAINTENANCE**													
23.1	Operation and Maintenance Planning		20			100			40			4	164	$17,760
23.2	Operation and Maintenance Manual		8			60			40			24	132	$12,772
	Total Hours	4	172	312	24	160	272	200	264	4	80	48	1540	
	Billing Rate	$202.00	$169.00	$150.00	$130.00	$109.00	$100.00	$87.00	$80.00	$123.00	$101.00	$70.00		
	Total Labor Cost	*$808*	*$29,068*	*$46,800*	*$3,120*	*$17,440*	*$27,200*	*$17,400*	*$21,120*	*$492*	*$8,080*	*$3,360*		*$174,888*
	Direct Expenses (Drill Rig Subcontracts)													
	Direct Expenses (Laboratory Testing)													
	Subconsultant Administration													*$1,254*
	Project Total													$176,142

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East Lents Floodplain Restoration, Phase 1

ATTACHMENT C2 - Amendment 03 Budget Increase Details

Pacific Habitat Services - subconsultant increase

Otak Project # 14781

Task	*Description*	Project Manager	Fisheries Biologist	Restoration Ecologist	Biologist 1	Wetlands Hydrologist	Graphics Specialist	Technical Editor	*Total Hours*	*Total Budget by Task*
19.0	**PERMIT SUPPORT SERVICES FOR PHASE 2**									
19.1	Supplemental Wetland Delineation Report									
19.2	Prepare and File Joint Permit Application									
19.3	Biological Assessment or SLOPES Documentation									
19.4	Environmental Review	24			90		40		154	$15,041
19.5	Erosion Control Permit (1200-C)									
19.6	Internal Application Review									
	Total Hours	24			90		40		154	
	Billing Rate	$130.20	$117.80	$108.50	$101.40	$91.45	$69.75	$60.45		
	Total Labor Cost	*$3,125*			*$9,126*		*$2,790*			***$15,041***
	Project Total									**$15,041**

East Lents Floodplain Restoration, Phase 1

ATTACHMENT C2 - Amendment 03 Budget Increase Details

NW Engineers, LLC - new subconsultant

Otak Project # 14781

Task	*Description*	Project Manager	Designer	QA/QC	Admin	*Total Hours*	*Total Budget by Task*
22.0	**PRIVATE ACCESS IMPROVEMENTS**						
22.1	SE 108th Roadway and Drainage						
22.2	Expedited Water Main	8	60			68	$5,137
22.3	SE 112th Driveway Relocation	6	60			66	$4,899
	Total Hours	14	120			134	
	Billing Rate	$119.00	$69.75	$119.00	$63.75		
	Total Labor Cost	*$1,666*	*$8,370*				***$10,036***
	Project Total						**$10,036**

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East Lents Floodplain Restoration, Phase 1

Attachment B2 - CONTRACT FEE SUMMARY BY TASK

Otak, Inc.& Subconsultants

Otak Project # 14781

		Budget by Task				
Task	*Description*	*Original*	*Amendment 01*	*Amendment 02*	*Amendment 03*	*TOTAL*
1.0	PROJECT MANAGEMENT	$95,508	$13,194	$191,677	$5,360	$305,738
2.0	PUBLIC INVOLVEMENT	$10,517	$5,008	$21,400		$36,925
3.0	ENGINEERING AND DESIGN SUPPORT	$167,530	$71,372	$124,704	$22,624	$386,230
4.0	SUPPLEMENTAL SURVEY	$15,902	$38,120			$54,022
5.0	30 PERCENT DESIGN PHASE	$39,325	$38,216			$77,542
6.0	60 PERCENT DESIGN PHASE	$81,206	$32,990	$10,020		$124,216
7.0	90 PERCENT DESIGN PHASE	$51,764		$37,404		$89,168
8.0	100 PERCENT DESIGN PHASE	$34,948		$13,938		$48,886
9.0	FINAL DESIGN PHASE	$15,386		$3,524		$18,910
10.0	PERMIT APPLICATION SUPPORT SERVICES	$45,458	$6,965			$52,423
11.0	DESIGN SERVICES DURING CONSTRUCTION	$55,720				$55,720
12.0	EFFECTIVENESS MONITORING PLAN	$30,172				$30,172
13.0	LOMR	$35,426	($33,226)	$164,044	$30,400	$196,644
14.0	30 PERCENT DESIGN OF PHASE 2			$148,789		$148,789
15.0	60 PERCENT DESIGN OF PHASE 2			$188,585		$188,585
16.0	90 PERCENT DESIGN OF PHASE 2			$103,062		$103,062
17.0	100 PERCENT DESIGN OF PHASE 2			$68,963		$68,963
18.0	FINAL DESIGN OF PHASE 2			$21,015		$21,015
19.0	PERMIT SUPPORT SERVICES FOR PHASE 2			$60,249	$15,041	$75,290
20.0	DESIGN SERVICES DURING CONSTRUCTION			$72,423		$72,423
21.0	PUBLIC ACCESS IMPROVEMENTS				$80,496	$80,496
22.0	PRIVATE ACCESS IMPROVEMENTS				$15,512	$15,512
23.0	OPERATION AND MAINTENANCE				$30,532	$30,532
	Total Labor Cost	*$678,861*	*$172,640*	*$1,229,797*	*$199,965*	$ 2,281,262
	Direct Expenses (Drill Rig Subcontracts)	*$6,500*		*$2,900*		$9,400
	Direct Expenses (Laboratory Testing)	*$4,600*		*$1,200*		$5,800
	Subconsultant Administration (5%)	*$5,827*	*$1,177*	*$13,566*	*$1,254*	$21,823
	Project Total	$695,788	$173,816	$1,247,463	$201,219	$ 2,318,286