



Oregon

John A. Kitzhaber, MD, Governor

Military Department
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RECEIVED
AUG 22 2014

August 18, 2014

BY:

Michele Bradley
Port of Tillamook Bay
4000 Blimp Blvd
Tillamook, OR 97141

RE: FEMA-DR-1733-OR
PA: 057-U1ZZV
PW: 957

Dear Ms. Bradley:

Enclosed is the FEMA approved Alternate Project Worksheet (PW). This PW Version is approved for the engineering phase and direct administrative costs only. The total approved amount for this PW is \$206,682.76(100%) and is approved for funding (Federal share of 75%) from PW 936 Version 1. Additional amounts beyond this estimate will require a PW version for FEMA approvals and to document the dollar amount under this PW. If an adjustment (cost overrun) is needed, please contact me to initiate a PW version.

Enclosed is a copy of the Payment Request form that must be completed to request funds. Please submit this form with actual cost documentation, for review and payment. Large projects (alternate project) also allow for progress payments, so please make copies if needed.

Although this is a federal disaster, certain federal, state and local laws still apply. The applicant is responsible for complying with these laws. Additionally, the PW may contain certain conditions that must be met. Please make note of any condition listed under the Environmental and General Comments pages of the enclosed PW(s) and ensure appropriate documentation is provided prior to closeout, including any necessary permits, licenses or approvals. Failure to comply with the conditions of the PW grant may jeopardize federal funding.

Upon completion of the large project, please sign, enter project completion date and submit the Certification of Completion and Compliance (P.4) and the Statement of Documentation (SOD), enclosed. Once the completed forms have been submitted, we will then contact you to schedule a final inspection and final documentation review.

If you have any questions, please call me at (503) 378-2911, ext. 22235.

Sincerely,


Julie Slevin
State Public Assistance Officer

Enclosures



DEPARTMENT OF HOMELAND SECURITY
 FEDERAL EMERGENCY MANAGEMENT AGENCY
PROJECT WORKSHEET

O.M.B. No. 1660-0017
 Expires October 31, 2008

PAPERWORK BURDEN DISCLOSURE NOTICE

Public reporting burden for this form is estimated to average 30 minutes per response. Burden means the time, effort and financial resources expanded by person to generate, maintain, disclose, or to provide information to us. You may send comments regarding the burden estimate or any aspect of the collection, including suggestions for reducing the burden to: Information Collections Management, U.S. Department of Homeland Security, Federal Emergency Management Agency, 500 C Street, SW, Washington, DC 20472, Paperwork Reduction Project (OMB Control Number 1660-0017). You are not required to respond to this collection of information unless a valid OMB number appears in upper right corner of this form. **NOTE: Do not send your completed form to this address.**

DECLARATION NO. FEMA- DR-1733-OR	PROJECT NO. JH946D	PA ID NO. 057-U1ZZV-00	DATE 3/13/2014	CATEGORY D
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DAMAGED FACILITY Alternate Project - Southern Flow Corridor Mitigation	WORK COMPLETE AS OF: 4/11/2013 : 0 %
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APPLICANT Port Of Tillamook Bay	COUNTY Tillamook	PROJECT TITLE Southern Flow Corridor - Landowner Pref. Alt.
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LOCATION Port of Tillamook Bay	LATITUDE N45.46689	LONGITUDE W123.85620
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Was this site previously damaged YES NO N UNSURE

DAMAGE DESCRIPTION AND DIMENSIONS

During the Incident Period of December 1 through 17, 2007, the Port of Tillamook Bay (POTB) experienced significant damages to its railroad line. The POTB has subsequently determined that the public welfare would not be best served by restoring the damaged railroad line. As such the POTB has identified several Alternate Projects which would better serve the public. The Alternate Project included within this PW is described in the following Scope Of Work Section.

SCOPE OF WORK

Work to be Completed:

This is POTB's Alternate Project Request #13, to utilize \$4,310,000 of its available FEMA Alternate Project funds for the Southern Flow Corridor - Landowner Preferred Alternative Project ("Project"). After a Second Appeal, FEMA approved POTB's request on April 11, 2013 based on the demonstration and supporting documentation that the mitigation project has a benefit cost ratio greater than 1.0 and is cost-effective and will serve the public-at-large. As an alternate project, mitigation project, POTB is planning to improve the lowland areas west of the City of Tillamook in an effort to mitigate future flooding damages which have historically inundated parts of the Tillamook community. Preliminary details of the Project are included in this PW for reference. See attached Continuation Sheets.

NOTE: This PW has been written for ENGINEERING ONLY. By Novation Agreement, Tillamook County transferred ownership of an existing engineering contract with NHC to POTB, effective date of February 18, 2014. Once this PW is approved, the engineering estimate amount of \$206,758.00 will be approved for funding from PW 936V1. Upon completion of engineering, a PW version will be written to define the scope and costs of the project. The costs included in this PW will be drawn from PW 936V1, in accordance to large project procedures (44 CFR 206.203(c)(1)). This PW will be reimbursed at actual cost of alternate project (this PW) or 90 percent of federal share of approved estimate of PW 936V1, whichever is less.

Does the scope of work change the pre-disaster conditions at the site? Y
 Special Considerations issues included? Y
 Is there insurance coverage on this facility? N
 Hazard Mitigation proposal included? N

PROJECT COST

ITEM	CODE	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	COST
		Work to be Completed				
1	9001	Estimate - Engineering	LS	1	\$ 201,758.00	\$201,758.00
2	9901	Direct Administrative Costs (Subgrantee)	LS	1	\$ 5,000.00	\$5,000.00
3	9999	Deduct -To Be Drawn From PW-936V1	LS	1	\$ (206,758.00)	-\$206,758.00

FEDERAL PAC:	STATE PAC:	TOTAL COST	\$0.00
PREPARED BY: Jason Holcomb	TITLE: PROJECT SPECIALIST	SIGNATURE	
APPLICANT REP. Michele Bradley	TITLE: General Manager	SIGNATURE	

DEPARTMENT OF HOMELAND SECURITY
Federal Emergency Management Agency
CONTINUATION SHEET No. 1

APPLICANT Port Of Tillamook Bay	PROJECT NUMBER JH946D	CATEGORY D	DATE 3/13/2014
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As part of the Project, POTB plans to sponsor Project engineering and construction activities which seek to reduce flood damages to property, which includes structures and infrastructure in the HWY 101 area of Tillamook County. POTB will assume legal responsibility as necessary to construct the flood mitigation elements of the Project. POTB is also asking for direct administrative costs to cover the associated costs related to this Project. Details of the Project are included on the attached Continuation Sheets.

Project Engineering and Design:

On January 23, 2014 (email attached) POTB was notified that FEMA approved POTB's use of a Novation Agreement to assume ownership of the design engineering services contract for the Project. FEMA provided the following language in its approval: "FEMA confirms the legality of the Novation Agreement. Our conclusion is the County complied with 44 CFR part 13.36 procurement regulations and the transfer of ownership in the contract from the County to the POTB constitutes a valid agreement. The Federal procurement standards under 44 CFR part 13.36(b)(5) encourage the use of intergovernmental agreements for procurement or use of common goods and services. The Declaration of Cooperation and its addendum are one type of such intergovernmental agreement which leveraged the resources of the County and its procurement experience to serve the several members of the OS and procure services."

On February 18, 2014 POTB assumed legal ownership of the NHC Design Contract; and since that time has worked with NHC to negotiate the final design engineering costs. Details of this are shown on the attached Task Order #7 (\$681,453), approved by POTB on March 6, 2014. The amount of final design engineering costs subject to reimbursement under this PW is \$206,758. The remaining amount of \$474,695 will be borne by other funding agencies, as described in the attached budget spreadsheet.

This scope covers the design and permitting of the Project. Details for key tasks to be completed by subconsultants are documented in their respective scopes of work described in the attached Task Order #7 SOW document. NHC, as prime consultant, will lead the project's design. NHC will provide hydraulic design, restoration design and direction on civil design for the project. Overall project management is being shared by the Port, Tillamook County, TEP and TBHEID as outlined in a Memorandum of Agreement. NHC will provide regular updates to the project management team through written reports and presentations as requested. The costs associated with the NHC tasks will be included as part of this PW. The remaining costs are related to the subconsultants' tasks and will be the responsibility of other funding agencies. See Budget Sheet for cost breakdown and funding responsibilities.

(Continued on Continuation Sheet 2)

DEPARTMENT OF HOMELAND SECURITY
Federal Emergency Management Agency
CONTINUATION SHEET No. 2

APPLICANT	PROJECT NUMBER	CATEGORY	DATE
Port Of Tillamook Bay	JH946D	D	3/13/2014

POTB Alt#13 – Southern Flow Corridor- FEMA-DR1733

(Continued from Sheet 1)

SUPPORTING AGREEMENTS

Project Management/Memorandum of Agreement (MOA):

On February 18, 2014 POTB entered into a Memorandum of Agreement (MOA) with Tillamook County, Tillamook Estuary Partnership (TEP) and the Tillamook Bay Habitat & Estuary Improvement District (TBHEID). This MOA establishes the Project's management team and provides for the specific roles and responsibilities of each party to the MOA. The MOA also establishes the requirement that Tillamook County provide a Guaranty to cover any Project costs not covered by FEMA. County must provide this Guaranty in the form of a Financial Plan subject to the acceptance of POTB. POTB accepted Tillamook County's Phase I Financial Plan (Project Engineering) on March 18, 2014. POTB will review County's Phase II Financial Plan prior to execution of any PW for construction.

Overall Project Description

The development of the Project originated through an initiative of the Oregon Solutions Program, which is a program launched by the Governor's office after passage of the Oregon Sustainability Act in 2001. This initiative brought together federal, state, and local governmental agencies to identify strategies for implementing flood control measures and ecosystem restoration actions within the Tillamook Bay watershed. The Oregon Solutions team identified, evaluated, and prioritized projects. Multiple alternatives were considered along with multiple funding sources. The Project (entitled Southern Flow Corridor - Landowner Preferred Alternative Project) is the outcome of this effort.

Purpose of the Project

The purpose of the Project is to: Reduce flood damage to property and economic losses; Reduce life safety risk from floods; Contribute to the recovery of Oregon Coast coho; and Restore historical habitat for other native fish and wildlife.

As thoroughly documented by the benefit-cost analysis, the benefits of reduced flood damages are over \$10 million, with an average annual reduction in flood damages and losses of about \$750,000 per year. The Project significantly reduces future flood damage, but does not eliminate flood damages. The Project lowers flood levels for all floods from small frequent floods to larger 100-year or greater flood events, with a commensurate reduction in damages to property. The amount that flood elevations are reduced varies depending on location and the severity of the flood event, but is typically from about 2 feet to about 6 inches.

(Continued on Continuation Sheet 3)

DEPARTMENT OF HOMELAND SECURITY
Federal Emergency Management Agency
CONTINUATION SHEET No. 3

APPLICANT	PROJECT NUMBER	CATEGORY	DATE
Port Of Tillamook Bay	JH946D	D	3/13/2014

POTB Alt#13 – Southern Flow Corridor- FEMA-DR1733
(Continued from Sheet 2)

Need for the Project: The need for the Project is that the area has a history of severe repetitive flooding with widespread damage to property, road closures and other economic losses. Flood crests exceeding 16 feet on the Wilson river have been documented at least 10 times in the past 50 years. These flood events have resulted in repetitive losses to the Tillamook community and surroundings. In addition, the Project is needed to support the recovery of threatened species and to restore wetland, tidal marsh and aquatic habitats that support fish and wildlife, which were lost through diking, draining and other land uses.

Project Goals: The goals of the Project are to restore flood flow pathways from the Wilson River to Tillamook Bay. Implementation of the Project will result in flood level reductions across the lower Wilson Tiver floodplain and to a lesser degree on the lower Trask and Tillamook Rivers. The Project is intended to reduce the flood levels to more natural levels over a wide range of flood magnitudes, but it will not reduce the frequency of flooding, which is controlled by flows and bank elevations upstream. Another goal of the Project is to restore ecological function and habitat for salmon listed under the Endangered Species Act and for other fish and wildlife.

The Project proposes to accomplish these goals by removing existing levees and fills to restore tidal marsh, and creating new setback tidal dikes to protect adjacent private lands. Key preliminary project elements include:

1) Levee, Fill, and Structure Removal:

Remove approximately 6.9 miles of existing levee, 2.1 miles of road and 4 structures; and lower 2.1 miles of levee within the flow corridor to provide increased flood conveyance and allow the natural processes to restore ecosystem functions and habitat in the project area (total fill removal is estimated at 85,000 cubic yards).

2) New Tidal Setback and Upgraded Levees:

Approximately 1.4 miles of new tidal setback levee will be constructed; and up to 2.3 miles of existing levee adjusted to design grade (lowered or raised) and strengthened in order to improve flood conveyance and protect adjacent agricultural lands from tidal influence in the Project area.

3) New Floodgates:

A series of floodgates will be incorporated in the new levee in order to replace the existing gates slated for removal. Some of the existing floodgates may be recycled and re-used in the new levee system.

4) Hall Slough Elements:

Additional flood reduction elements include improving the hydraulic connectivity between Hall and Blind Sloughs through removal of the Fuhrman Road berm and constructing an approximate 1,000-foot-long Hall Slough – Blind Slough connector channel.

(Continued on Continuation Sheet 4)

DEPARTMENT OF HOMELAND SECURITY
Federal Emergency Management Agency
CONTINUATION SHEET No. 4

APPLICANT Port Of Tillamook Bay	PROJECT NUMBER JH946D	CATEGORY D	DATE 3/13/2014
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POTB Alt#13 – Southern Flow Corridor- FEMA-DR1733
(Continued from Continuation Sheet 3)

5) Drainage Network Improvements:

Improvements to the existing drainage ditches inside the new levee will be made as necessary to connect them to the new floodgates and ensure that equal or better drainage is maintained once the project is implemented. In addition, over 3 miles of drainage ditches will be filled to restore a natural drainage regime and improve habitat conditions.

6) Habitat Restoration Elements:

The Project elements described above are anticipated to result in full tidal inundation of 521 acres of restored marsh and wetland fringe habitat. In addition, the Project would include extensive placement of large wood habitat features and reconnection of high-quality tidal channel habitat by constructing new channels, which are expected to naturally expand in total length to approximately 14 miles.

7) Property Acquisition:

The majority of the Project area is already held in public ownership (398 acres); but acquisition of additional acres in private ownership is required. In addition, permanent flood easements and temporary construction easements may be required to maintain post-project floodplain functions and for proposed modifications of existing levees and removal of some dredge spoils on lands not required for acquisition. Funding related to this aspect of the Project will be provided by another source (see attached budget spreadsheet). FEMA funds are not being provided for property acquisitions and/or easements related to this Project.

Environmental Impact Statement (EIS):

The EIS scoping process will utilize and build upon the previous efforts of the Oregon Solutions team. To further scope the Project, FEMA will be soliciting public input to help identify and refine Project alternatives and significant issues for evaluation in the EIS. Outreach for the scoping process will include a public notice in local and regional media, direct mailing to interested parties, and a public scoping meeting. Federal, state and local agencies, Indian tribes, interested organizations and individuals will be asked to comment on the scope of issues, alternatives and their potential impacts. This outreach effort is planned for the Spring of 2014 in Tillamook County. The specific date, time, and location for the public meeting will be provided with the public notice. A similar approach is planned for the release of the Draft EIS.

Budget and Funding:

Details of the Project's budget and funding sources are shown on the attached budget spreadsheet (5/6/2014) which has been vetted by the multiple funding source agencies (including FEMA) to avoid any duplication of benefit. In summary, the project total is approximately \$10,122,188. The POTB has committed \$4.3 million of its available alternate project funds to the project and is seeking reimbursement as part of their alternate projects related to PW 936V1. This Project Worksheet addresses the POTB's share of the engineering costs for the Project. The remainder of the Project totals will be the responsibility of other agencies which have committed funds to this Project.

DEPARTMENT OF HOMELAND SECURITY
 FEDERAL EMERGENCY MANAGEMENT AGENCY
SPECIAL CONSIDERATIONS QUESTIONS

O.M.B No. 1660-0017
 Expires October 31, 2008

1. APPLICANT'S NAME Port Of Tillamook Bay	2. FIPS NUMBER 057-U1ZZV-00	3. DATE 3/13/2014
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4. PROJECT NUMBER JH946D	5. LOCATION Port of Tillamook Bay
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Form must be filled out—for each project.

1. Does the damaged facility or item of work have insurance and/or is it an insurable risk? (e.g., buildings, equipment, vehicles, etc.)			COMMENTS:
Yes	No	Unsure	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

2. Is the damaged facility located within a floodplain or coastal high hazard area, or does it have an impact on a floodplain or wetland?			COMMENTS:
Yes	No	Unsure	The project is located within designated flood zones AE thru X. Ref FIRM panel 4101960170C.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

3. Is the damaged facility or item of work located within or adjacent to a Coastal Barrier Resource System Unit or an Otherwise Protected Area?			COMMENTS:
Yes	No	Unsure	The proposed project includes removal of levees which currently protect the wetland areas from Tillamook Bay Floodwaters.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

4. Will the proposed facility repairs/reconstruction change the pre-disaster condition? (e.g., footprint, material, location, capacity, use or function)			COMMENTS:
Yes	No	Unsure	The proposed improvements will remove a series of levees and recontour the lands within the project area.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

5. Does the applicant have a hazard mitigation proposal or would the applicant like technical assistance for a hazard mitigation proposal?			COMMENTS:
Yes	No	Unsure	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

6. Is the damaged facility on the National Register of Historic Places or the state historic listing? Is it older than 50 years? Are there more, similar buildings near the site?			COMMENTS:
Yes	No	Unsure	The project area contains farmhouses and related facilities which are believed to be over 50 years old.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

7. Are there any pristine or undisturbed areas on, or near, the project site? Are there large tracts of forestland?			COMMENTS:
Yes	No	Unsure	The project area consists primarily of wetlands containing areas of relatively undisturbed and pristine wetlands habitat.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

8. Are there any hazardous materials at or adjacent to the damaged facility and/or item of work?			COMMENTS:
Yes	No	Unsure	Tillamook County is working with OR DEQ's Voluntary Cleanup Program to address contaminated soils at an old mill site present in the SE corner of the project site
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

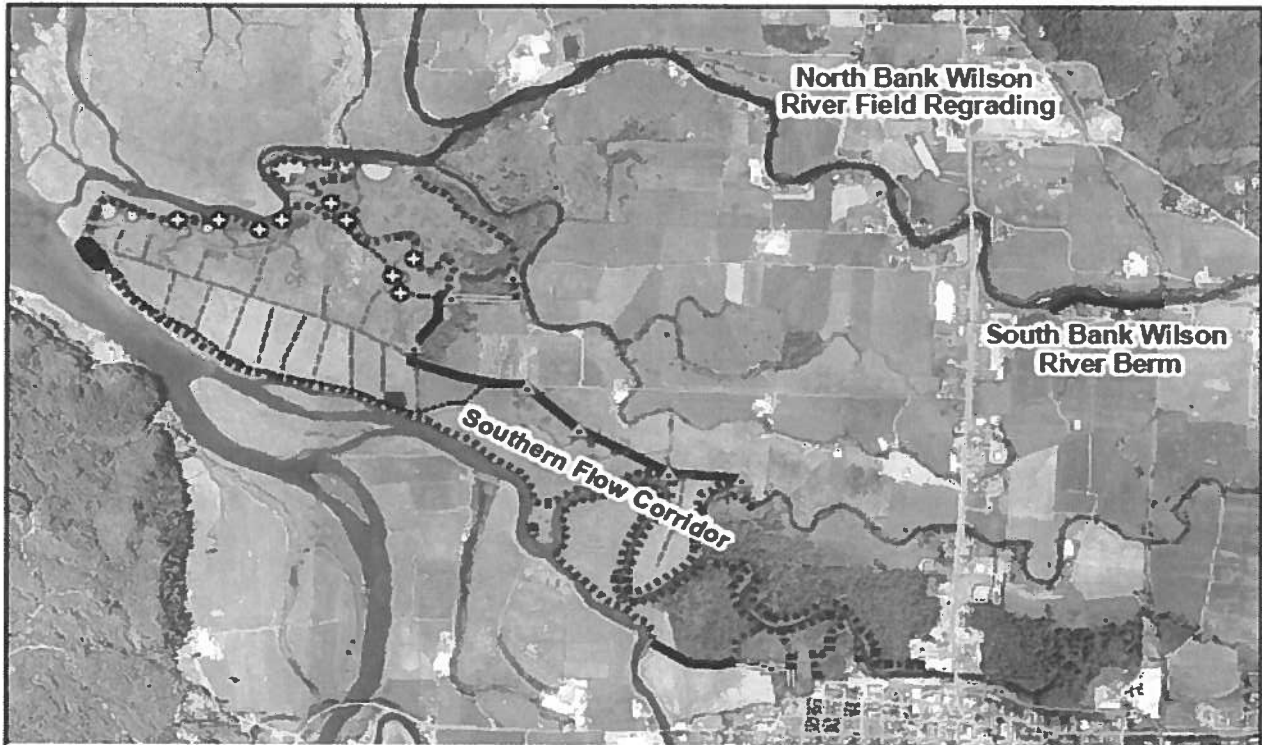
9. Are there any other environmentally or controversial issues associated with the damaged facility and/or item of work?			COMMENTS:
Yes	No	Unsure	Part of the project involves conversion of areas of designated wetlands, which are also used for farming purposes, into saltwater marsh which is locally controversial.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

10. Will work be conducted (or was conducted) within 200 ft. of a waterbody.			COMMENTS:
Yes	No	Unsure	Most of the work will be performed within wetlands which are bordered by the Trask and Wilson Rivers, as well as Tillamook Bay.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

DEPARTMENT OF HOMELAND SECURITY
Federal Emergency Management Agency

SKETCH

APPLICANT Port Of Tillamook Bay	PROJECT NUMBER JH946D	CATEGORY D	DATE 3/13/2014
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Legend

— — — — — Decommission Road	⊕ Channel Reconnection	□ Regrade Field
- - - - - Fill Ditch	△ New Flood/Drainage Structure	□ Remove Dredge Spoils
▬▬▬▬▬ New Berm	● Remove Exist Structures	■ Remove Structure & Fill
▬▬▬▬▬ New Levee		
▬▬▬▬▬ New Tidal Channel		
⋯⋯⋯⋯ Remove Levee/Fill		
▬▬▬▬▬ Upgrade Levee		



	TOTAL	FEMA TAC	NOAA TAC	\$ Need	FEMA	OR Bonds	NOAA	Inkind	Parts	FWS CW	OWEB	IWS PFM-INPI	Co. Cash	OWEB EMI
Design/Permitting														
NHC costs 06/13 /14 (monitoring plan, PM, communication)	\$27,906						27,906							
NHC (PTB contract, Task Order 7)														
7.1 Grant Applications and Assistance	\$9,485				7,114	2,371								
7.2 Monitoring Plan Development/Implementation	\$14,980						14,980							
7.3 FEMA EIS Coordination	\$11,335													
7.4 Hydraulic Design	\$36,300				8,501	2,834								
7.5 Environmental Permitting	\$34,170				27,225	9,075								
7.6 Geotechnical Engineering	\$3,700				25,628	8,542								
7.7 Civil Design/Bidding Services	\$49,160				32,370	10,790								
7.8 General PM/Coordination	\$24,470				18,353	6,117								
Travel	\$6,300				4,725	1,575								
Reproduction/Couriers/Communication	\$525				394	131								
Flood Monitoring Equipment	\$9,077				6,808	2,269								
NHC Overhead HHB	\$9,589				7,192	2,397								
NHC Overhead LE	\$4,493				3,370	1,123								
NHC Overhead SAW	\$6,788				5,091	1,697								
NHC Overhead JAE	\$1,978				1,484	494								
NHC Overhead Siletz	\$388				291	97								
Task Order 7 Subtotal	\$216,748													
TOTAL NW HYDRAULIC CONSULTANTS	\$242,644			0	151,321	50,437	42,886	0	0	0	0	0	0	0
HHB (NHC subcontract, Task Order 7)														
Design/Field Reconnaissance	\$25,198						25,198							
Field Survey Coordination	\$3,880						3,880							
Project Coordination Meetings	\$17,600						17,600							
Final Design	\$224,732						124,792							
Bidding	\$11,900						11,900							
Project Administration	\$4,800						4,800							
Reimbursables (mileage, per diem)	\$3,600			0	0	0	3,600	0	0	0	0	0	0	0
TOTAL HHB CONSULTING ENGINEERS	\$191,770			0	0	0	191,770	0	0	0	0	0	0	0
LE (NHC subcontract, Task Order 7)														
Environmental Scoping	\$4,860						4,860							
Wetland Delineation	\$36,020						36,020							
Wetland Functional Assessment	\$8,020						8,020							
Assess Rare and Listed Species	\$2,300						2,300							
Joint Permit Application	\$4,760						4,760							
Alternative Analysis	\$1,080						1,080							
Mitigation/Restoration Plan	\$9,480						9,480							
Biological Assessment	\$0													
Agency Coordination	\$8,730		X				8,730							
Project Management	\$5,970						5,970							
Expenses (mileage, per diem, supplies)	\$6,637						6,637							
TOTAL LATTIMER ENVIRONMENTAL	\$69,857			0	0	0	89,857	0	0	0	0	0	0	0
S&W (NHC subcontract, Task Order 7)														
Exploration	\$4,850						4,850							
Exploration Locates/Brushing	\$20,830						20,830							
Laboratory Testing/Logs	\$6,630						6,630							
Engineering Analysis	\$19,550						19,550							
Deliverables/Reports	\$11,480						11,480							
Plans and Specifications Preparation	\$3,880						3,880							
Meetings/Conference	\$3,640						3,640							
Expenses (travel, drilling, tests, 5 levees access etc)	\$62,809						62,809							
TOTAL SHANNON & WILSON	\$135,709			0	0	0	135,769	0	0	0	0	0	0	0
IME (NHC subcontract, Task Order 7)														
Design Input: Site Investigations (2)	\$2,814						2,814							
Design Input: Design Team Meetings (3)	\$4,535						4,535							
Design Input: Design Document Review	\$8,258						8,258							
Design Input: Additional Communications	\$7,079						7,079							
Monitoring Plan: Research/Draft	\$12,329						12,329							
Monitoring Plan: Technical Consultation (MAC)	\$1,452						1,452							
Monitoring Plan: Finalize and Write Monitoring Plan	\$3,066						3,066							
TOTAL INSTITUTE FOR APPLIED ECOLOGY	\$39,553			0	0	0	39,553	0	0	0	0	0	0	0
Siletz (NHC subcontract, Task Order 7)														
Design Input: Site Investigations	\$1,792						1,792							
Design Input: Design Team Meetings	\$2,688						2,688							
Design Input: Design Doc Review	\$558						558							
Monitoring Plan: Meetings	\$1,736						1,736							
Monitoring Plan: Writing	\$992						992							
TOTAL CONFEDERATED TRIBES SILETZ INDIANS	\$7,766			0	0	0	7,766	0	0	0	0	0	0	0
Cultural Resources (FEMA TAC)														
Record Search/Literature Review	\$0		X											
Consultation	\$0		X											
Cultural Resources Survey (ped and shovel)	\$0		X											
Survey (historic properties)	\$0		X											
Reporting	\$0		X											
TOTAL DESIGN/PERMITTING	\$709,359			0	151,321	50,437	507,601	0	0	0	0	0	0	0