

BOARDMAN RIVER FEASIBILITY STUDY

Environmental Consulting & Technology, Inc.

WORK AREA DESCRIPTION, CATEGORY & TASK	FULL SCOPE ESTIMATE (1.4M)	LIMITED SCOPE ESTIMATE (850K)	WORK ORDER #1 \$125,000	WORK ORDER #2 \$200,000	FUNDING STATUS
<i>1) Communications and Public Education</i>	\$225,000	\$60,000			
a) Stakeholder Survey	\$101,802	\$25,000			Currently not funded
i. One-on-one interviews					
ii. Focus groups					
iii. Survey					
iv. Phone Survey					
b) Web-based Communication	\$61,160	\$15,000			Currently not funded
i. Discipline Reports					
ii. Interactive Maps					
iii. A Calendar of Events					
iv. On-Line Survey					
v. News Bulletins					
vi. Graphical Displays					
vii. Intranet for the ECT Team					
viii. Community Forum					
c) General Communications	\$60,344	\$20,000			Currently not funded
i. Speaker's Bureau					
ii. Presentations					
iii. Workshops					
iv. Media Updates					
v. Semi-Regular Columns					
vi. Communications Subcommittee					

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<i>2) Determine & Document Existing Conditions</i>	\$675,000	\$390,000			
a) Environmental	\$237,736	\$108,000		\$95,750	
i. Fish and Wildlife Surveys				\$44,250	Approx 30% funded
ii. Vegetative Surveys				\$43,500	Approx 80% funded
iii. Water Quality				\$3,000	Approx 20% funded
iv. Sediment Contamination				\$5,000	Approx 20% funded
b) Engineering	\$240,906	\$150,000	\$32,000	\$104,250	
i. Groundwater				-	Currently not funded
ii. Structural and Operational Evaluations			\$30,000	-	Approx 80% funded
iii. Surface and Underwater Surveys				\$52,250	100% funded
iv. Hydrologic, hydraulic (to be coordinated with USACE effort to avoid duplication)					
1. Hydrologic				\$5,500	100% funded
2. Hydraulic				\$27,750	100% funded
3. Geomorph			\$2,000	-	Approx 60% funded
v. Geotechnical				-	Currently not funded
vi. Sediment Management; Report Review & Strategy				\$11,250	Approx 30% funded
vii. Existing Floodplain				\$7,500	100% funded
viii. Road Crossings				-	Currently not funded
c) Economic	\$87,170	\$46,000	\$40,000		Approx 40% funded
i. Costs Baseline					
ii. Economic Impact					
iii. Property Valuation					
iv. Tax Revenue					
d) Societal Stakeholder Survey	\$99,374	\$80,000	\$53,000		Approx 35% funded
i. Historic and Current Land Use					
ii. Property Ownership					
iii. Cultural Resources					
iv. Recreational					
v. Population and Land Use					
vi. Water Rights					
vii. Community Infrastructure					
viii. Community Identity					
e) NEPA Documentation	\$6,604	\$6,000			Currently not funded

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<i>3) Identification of Alternatives</i>	\$70,000	\$40,000			
a) Problems and Opportunities	\$68,679	\$40,000			Currently not funded
b) Study Objectives and Constraints					Currently not funded
c) Formulation of Alternatives					Currently not funded
i. No Action Alternative					
ii. Dam Removal					
iii. Full Rehabilitation					
iv. Partial Removal					
v. Modifications					
vi. Fisheries Management					
d) Determination of Expected End State and Transition					Currently not funded
e) NEPA Process					Currently not funded
<i>4) Evaluation of Alternative Plans</i>	\$326,000	\$278,000			Currently not funded
a) Environmental	\$119,858	\$95,000			Currently not funded
i. Resident and Migratory Species					
ii. Habitat Impacts					
iii. Protection from Environmental Threats					
iv. Vegetative Changes					
v. Water Quality					
vi. Potential Impacts to Ground Water Supplies					
vii. Contam Sediment					
b) Engineering	\$128,113	\$107,000			Currently not funded
i. Dam Struct / OP					
ii. Groundwater Supply					
iii. Impacts to Water Use					
iv. Flood Characteristics					
v. Sediment and Erosion					
vi. Stream Stability and Control					
vii. Cost Evaluating of Dam Removal					

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c) Economic	\$58,113	\$58,000			Currently not funded
i. Property Valuation					
ii. Recreational Benefits					
iii. Regional and Local Transitions					
iv. Financing Option					
d) Societal	\$18,160	\$18,000			Currently not funded
i. Cultural Resources					
ii. Community Risks/Liabilities					
iii. Property Ownership					
iv. Water Rights					
v. Societal Impacts					
vii. Recreational Opportunities					
viii. Community Identity					
viii. Transportation					
5) <i>Selection of Preferred Alternative</i>	\$74,000	\$56,000			Currently not funded
6) <i>NEPA Documentation</i>	\$30,000	\$26,000			Currently not funded
a) Habitat					
b) Vegetation					

¹ WO# 1 – Work Order Issued by Client using City, County and P & L Funding

² WO# 2 - Separate Contract with Tribal Authority using Dept of Interior - Tribal Grant Funding