

# **WALLA WALLA COST ENGINEERING MANDATORY CENTER OF EXPERTISE**

## **COST AGENCY TECHNICAL REVIEW**

### **CERTIFICATION STATEMENT**

For

#### **Southport, NC Section 14 Emergency Streambank and Shoreline Erosion Protection Project (CAP)**

The Southport, NC Section 14 Emergency Streambank and Shoreline Erosion Protection project, as presented by Wilmington District, has undergone a successful Cost Agency Technical Review (Cost ATR), performed by the Walla Walla District Cost Engineering Mandatory Center of Expertise (Cost MCX) team. The Cost ATR included study of the project scope, report, cost estimates, schedules, escalation, and risk-based contingencies. This certification signifies the products meet the quality standards as prescribed in ER 1110-2-1150 Engineering and Design for Civil Works Projects and ER 1110-2-1302 Civil Works Cost Engineering.

As of October 3, 2012, the Cost MCX certifies the estimated total project cost of:

FY 2013 Price Level: \$587,000

Fully Funded Amount: \$684,000 including Feasibility costs

It remains the responsibility of the District to correctly reflect these cost values within the Final Report and to implement effective project management controls and implementation procedures including risk management throughout the life of the project.



**US Army Corps  
of Engineers®**

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**John P. Skarbek  
Chief, Cost Engineering  
Walla Walla District**

\*\*\*\* TOTAL PROJECT COST SUMMARY \*\*\*\*

PROJECT: SOUTHPORT SECTION 14 - Emergency Erosion Protection (CAP)  
LOCATION: Southport, North Carolina

DISTRICT: SAW Wilmington District  
POC: CHIEF, COST ENGINEERING, Lee Danley  
PREPARED: 10/1/2012

This Estimate reflects the scope and schedule in report; Southport, NC Section 14 Emergency Shoreline Erosion Protection

WBS Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Spent Thru: 1-Oct-11 (\$K) K	L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
16	BANK STABILIZATION	\$260	\$65	25%	\$325	1.9%	\$265	\$66	\$331			\$268	\$67	\$335
<b>CONSTRUCTION ESTIMATE TOTALS:</b>		\$260	\$65		\$325	1.9%	\$265	\$66	\$331	\$0		\$268	\$67	\$335
01	LANDS AND DAMAGES	\$50	\$13	25%	\$63	1.9%	\$51	\$13	\$64			\$52	\$13	\$64
22	FEASIBILITY STUDY (CAP Studies)									\$88				\$88
30	PLANNING, ENGINEERING & DESIGN	\$123	\$31	25%	\$154	1.4%	\$125	\$31	\$156			\$127	\$32	\$159
31	CONSTRUCTION MANAGEMENT	\$29	\$7	25%	\$36	1.4%	\$29	\$7	\$37			\$30	\$8	\$38
<b>PROJECT COST TOTALS:</b>		\$462	\$116	25%	\$578		\$470	\$117	\$587	\$88		\$477	\$119	\$684

- \_\_\_\_\_ CHIEF, COST ENGINEERING, Lee Danley
- \_\_\_\_\_ PROJECT MANAGER, Jason Glazener
- \_\_\_\_\_ CHIEF, REAL ESTATE, Savannah District
- \_\_\_\_\_ CHIEF, PLANNING, Elden Gatwood
- \_\_\_\_\_ CHIEF, ENGINEERING, Greg Williams
- \_\_\_\_\_ CHIEF, OPERATIONS, xxx
- \_\_\_\_\_ CHIEF, CONSTRUCTION, Dennis Lynch
- \_\_\_\_\_ CHIEF, CONTRACTING,xxx
- \_\_\_\_\_ CHIEF, PM-PB, xxxx
- \_\_\_\_\_ CHIEF, DPM, xxx

ESTIMATED FEDERAL COST: 65% \$387  
 ESTIMATED NON-FEDERAL COST: 35% \$209  
 FEDERAL FEASIBILITY STUDY CAP COSTS: 100% \$88  
**ESTIMATED TOTAL PROJECT COST: \$684**

**O&M OUTSIDE OF TOTAL PROJECT COST: \$6.4**  
 All of O&M is NON-FEDERAL COST

\*\*\*\* TOTAL PROJECT COST SUMMARY \*\*\*\*

\*\*\*\* CONTRACT COST SUMMARY \*\*\*\*

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DISTRICT: SAW Wilmington District  
 POC: CHIEF, COST ENGINEERING, Lee Danley  
 PREPARED: 10/1/2012

WBS Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
		Estimate Prepared: 1-Sep-12		Effective Price Level: 1-Oct-11		Program Year (Budget EC): 2013		Effective Price Level Date: 1 OCT 12						
		RISK BASED												
WBS	Civil Works	COST	CNTG	CNTG	TOTAL	ESC	COST	CNTG	TOTAL	Mid-Point	INFLATED	COST	CNTG	FULL
NUMBER	Feature & Sub-Feature Description	(\$K)	(\$K)	(%)	(\$K)	(%)	(\$K)	(\$K)	(\$K)	Date	(%)	(\$K)	(\$K)	(\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
<b>PHASE 1 or CONTRACT 1</b>														
16	BANK STABILIZATION	\$260	\$65	25%	\$325	1.9%	\$265	\$66	\$331	2013Q4	1.2%	\$268	\$67	\$335
						\$0								
<b>CONSTRUCTION ESTIMATE TOTALS:</b>		\$260	\$65	25%	\$325		\$265	\$66	\$331			\$268	\$67	\$335
01	LANDS AND DAMAGES	\$50	\$13	25%	\$63	1.9%	\$51	\$13	\$64	2013Q4	1.2%	\$52	\$13	\$64
30	PLANNING, ENGINEERING & DESIGN Engineering, Design, Contracting, etc.	\$123	\$31	25%	\$154	1.4%	\$125	\$31	\$156	2013Q4	2.1%	\$127	\$32	\$159
31	CONSTRUCTION MANAGEMENT Construction Management	\$29	\$7	25%	\$36	1.4%	\$29	\$7	\$37	2013Q4	2.1%	\$30	\$8	\$38
<b>CONTRACT COST TOTALS:</b>		\$462	\$116		\$578		\$470	\$117	\$587			\$477	\$119	\$596