Engineering Appendix
Enclosure 2
Cost Estimates

COST ESTIMATE

1,000-Foot South Jetty Extension

Ponce de Leon Inlet
Feasibility Report
Volusia County, Florida

Designed By: Jacksonville District Office
Estimated By: M Fascher

Prepared By: M Fascher

Preparation Date: 08/21/97
Effective Date of Pricing: 05/29/97

Sales Tax: 6.00%

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Descriptions of Project:

This Contract consists of construction of a 1,000 lf Seaward Extension of the South Jetty.

Detailed breakdowns were used for E&D and S&A. These were provided by the technical manager after coordination with the appropiate offices.

Contingencies:

20% Contingencies were used for Construction Costs in the Jetty estimate due to the unpredictable availability of Marine Equipment.

SUMMARY REPORTS SUMMARY PAGE

PROJECT OWNER SUMMARY - UserDefi.....1

No Detailed Estimate...

No Backup Reports...

* * * END TABLE OF CONTENTS * * *

** PROJECT OWNER SUMMARY - UserDefi **

	QUANTITY	UOM	CONTRACT	CONTING	TOTAL COST	UNIT COS.
01 South Jetty Extension						
01- A Construction Cost						
01- A/10 Breakwaters and Seawalls						
01- A/10.00 Breakwaters & Seawalls						
01- A/10.00.01 Mob, Demob & Preparatory Work						
01- A/10.00.01/01 Mob, Demob & Preparatory Work			33,338	6,668	40,006	
TOTAL Mob, Demob & Preparatory Work			33,338	6,668	40,006	
01- A/10.00.46 Breakwaters						
01- A/10.00.46/J1 Armor Stone (10-ton)	32740.00	TNS	2,462,142	492,428	2,954,570	90.24
01- A/10.00.46/J2 Core & Scour Stone (500-2500#)	12856.00	TNS	932,713	186,543	1,119,256	87.06
01- A/10.00.46/J3 Bedding Stone	10307.00	TNS	654,308	130,862	785,170	76.18
01- A/10.00.46/J4 Filter Fabric	11780.00	SY	51,928	10,386	62,314	5
01- A/10.00.46/J5 Excavation	25000.00	CY	47,894	9,579	57,473	1
TOTAL Breakwaters			4,148,985	829,797	4,978,783	
TOTAL Breakwaters & Seawalls			4,182,324	836,465	5,018,788	
TOTAL Breakwaters and Seawalls			4,182,324	836,465	5,018,788	
TOTAL Construction Cost			4,182,324	836,465	5,018,788	
01- B Non-Construction Cost						
01- B/01 Lands and Damages			20,000	5,000	25,000	
TOTAL Lands and Damages			20,000	5,000	25,000	
01- B/20 Permanent Operating Equipment						
01- B/20.00 Permanent Operating Equipment						
01- B/20.00.99 Associated General Items						
01- B/20.00.99/01 Navigation Aids			11,667	2,333	14,000	
TOTAL Associated General Items			11,667	2,333	14,000	

** PROJECT OWNER SUMMARY - UserDefi **

		QUANTITY UOM	CONTRACT	CONTING	TOTAL COST	UNIT COST
	TOTAL Permanent Operating Equipment		11,667	2,333	14,000	
	TOTAL Permanent Operating Equipment		11,667	2,333	14,000	
01- B/30	Planning, Engineering and Design		122,917	24,583	147,500	
01- B/31	Construction Management (S&I)		206,792	41,358	248,150	
	TOTAL Non-Construction Cost		361,376	73,275	434,651	
	TOTAL South Jetty Extension		4,543,700	909,740	5,453,439	

No errors detected...

* * * END OF ERROR REPORT * * *