APPENDIX B

COST ESTIMATE

OUZINKIE, ALASKA

THIS ESTIMATE IS BASED ON THE SCOPE CONTAINED IN THE FEASIBILITY, DATED: 1 APR 00

PROJECT: SMALL BOAT HARBOR
LOCATION: OUZINKIE, ALASKA

DISTRICT: ALASKA
P.O.C.: FRANK ANTOLIN, CHIEF, CE

ACCOUNT NUMBER	FEATURE DESCRIPTION	CURRENT MCACES ESTIMATE PREPARED: 1 MAR 00 EFFECTIVE PRICING LEVEL: Oct 2000 COST ($K)	CNTG ($K)	CNTG (%)	TOTAL ($K)	AUTHORIZ./BUDGET YEAR: FY2001 EFFECT. PRICING LEVEL: 1 Oct 2000 COST ($K)	CNTG ($K)	TOTAL ($K)	.....FULLY FUNDED ESTIMATE..... FEATURE MID PT: Aug 2001 COST ($K)	CNTG ($K)	FULL ($K)
C-10-01	MOB DEMOB & PREWORK	$377	$57	15%	$434	$377	$57	$434	$386	$58	$444
C-10-06	BREAKWATERS & SEAWALLS	$1,729	$346	20%	$2,075	$1,729	$346	$2,075	$1,771	$354	$2,125
C-12-02	NAV, PORTS & HARBORS	$1,453	$291	20%	$1,744	$1,453	$290	$1,743	$1,489	$297	$1,786
	TOTAL CONSTRUCTION COSTS =====>	$3,559	$693	19%	$4,252	$3,559	$693	$4,252	$3,646	$709	$4,355
P-01---	LANDS AND DAMAGES	$12	$2	13%	$14	$12	$2	$14	$12	$2	$14
P-30-02	PLANNING, ENGINEERING, DESIGN 3.3%	$119	$24	20%	$143	$119	$24	$143	$122	$24	$146
P-31-02	CONSTRUCTION MANAGEMENT 11.1%	$396	$59	15%	$455	$396	$59	$455	$405	$60	$465
	TOTAL OWNER COSTS==========>	$527	$85	16%	$612	$527	$85	$612	$539	$86	$625
	TOTAL PROJECT COSTS =========>	**$4,086**	**$778**	**19%**	**$4,864**	**$4,086**	**$778**	**$4,864**	**$4,185**	**$795**	**$4,980**

THIS TPCS REFLECTS A PROJECT COST CHANGE OF $ ~~~~~ ~~~~~~~~~

THE MAXIMUM PROJECT COST IS =======> $ ~~~~~ ~~~~~~~~~

TOTAL FEDERAL SHARED COSTS === 67% $3,332

TOTAL NON-FEDERAL COSTS ====== 33% $1,648

DISTRICT APPROVED:

_____ CHIEF, COST ENGINEERING

_____ CHIEF, REAL ESTATE

_____ CHIEF, ENGINEERING

_____ CHIEF, CON-OPS

_____ PROJECT MANAGER

_____ DDE (PM)

DIVISION APPROVED:

_____ CHIEF, COST ENGINEERING

_____ DIRECTOR, REAL ESTATE

_____ CHIEF, PROGRAMS MANAGEMENT

_____ DIRECTOR OF PPMD

APPROVED DATE: _____

THIS ESTIMATE IS BASED ON THE SCOPE CONTAINED IN THE FEASIBILITY, DATED: 1 APR 00

PROJECT: SMALL BOAT HARBOR
LOCATION: OUZINKIE, ALASKA

DISTRICT: ALASKA
P.O.C.: FRANK ANTOLIN, CHIEF, CE

		CURRENT MCACES ESTIMATE PREPARED: 1 MAR 00 EFFECTIVE PRICING LEVEL: Oct 2000				AUTHORIZ./BUDGET YEAR: FY2001 EFFECT. PRICING LEVEL: 1 Oct 2000				.....FULLY FUNDED ESTIMATE..... CWCCIS - 30 Sep 98				
ACCOUNT NUMBER	FEATURE DESCRIPTION	COST ($K)	CNTG ($K)	CNTG (%)	TOTAL ($K)	OMB (%)	COST ($K)	CNTG ($K)	TOTAL ($K)	EATURE MID PT	OMB (%)	COST ($K)	CNTG ($K)	FULL ($K)
C-10-01	MOB DEMOB & PREWORK	$377	$57	15%	$434	0.0%	$377	$57	$434	Aug 2001	2.5%	$386	$58	$444
C-10-06	BREAKWATERS & SEAWALLS	$1,729	$346	20%	$2,075	0.0%	$1,729	$346	$2,075	Aug 2001	2.5%	$1,771	$354	$2,125
C-12-01	ENTRANCE CHANNEL	$216	$43	20%	$259	0.0%	$216	$43	$259	Aug 2001	2.5%	$221	$44	$265
	TOTAL CONSTRUCTION COSTS =====>	$2,322	$446	19%	$2,768		$2,322	$446	$2,768			$2,378	$456	$2,834
P-01---	LANDS AND DAMAGES 0.3%	$6	$1	10%	$7	0.0%	$6	$1	$7	Aug 2001	2.5%	$6	$1	$7
P-30-02	PLANNING, ENGINEERING, DESIGN 3.4%	$78	$16	20%	$94	0.0%	$78	$16	$94	Aug 2001	2.5%	$80	$16	$96
P-31-02	CONSTRUCTION MANAGEMENT 14.5%	$336	$50	15%	$386	0.0%	$336	$50	$386	Aug 2001	2.5%	$344	$51	$395
	TOTAL COSTS ==========>	$2,742	$512	19%	$3,254		$2,742	$513	$3,255			$2,808	$524	$3,332

**** TOTAL CONTRACT COST SUMMARY ****

THIS ESTIMATE IS BASED ON THE SCOPE CONTAINED IN THE FEASIBILITY, DATED: 1 APR 00

PROJECT: SMALL BOAT HARBOR
LOCATION: OUZINKIE, ALASKA

DISTRICT: ALASKA
P.O.C.: FRANK ANTOLIN, CHIEF, CE

		CURRENT MCACES ESTIMATE PREPARED: 1 MAR 00 EFFECTIVE PRICING LEVEL: Oct 2000				AUTHORIZ./BUDGET YEAR: FY2001 EFFECT. PRICING LEVEL: 1 Oct 2000				.....FULLY FUNDED ESTIMATE..... CWCCIS - 30 Sep 98				
ACCOUNT NUMBER	FEATURE DESCRIPTION	COST ($K)	CNTG ($K)	CNTG (%)	TOTAL ($K)	OMB (%)	COST ($K)	CNTG ($K)	TOTAL ($K)	EATURE MID PT	OMB (%)	COST ($K)	CNTG ($K)	FULL ($K)
C-12-01	MOB DEMOB & PREWORK	$0	$0	15%	$0	0.0%	0	0	0	Aug 2001	2.5%	0	0	0
C-12-05	MOORING BASIN	$447	$89	20%	$536	0.0%	$447	$89	$536	Aug 2001	2.5%	$458	$91	$549
C-12-99	INNER HARBOR UTILITIES	$240	$48	20%	$288	0.0%	$240	$48	$288	Aug 2001	2.5%	$246	$49	$295
C-12-99	MOORING FLOATS	$550	$110	20%	$660	0.0%	$550	$110	$660	Aug 2001	2.5%	$564	$113	$677
	TOTAL CONSTRUCTION COSTS =====>	$1,237	$247	0%	$1,484		$1,237	$247	$1,484			$1,268	$253	$1,521
P-01---	LANDS AND DAMAGES 0.5%	$6	$1	17%	$7	0.0%	$6	$1	$7	Aug 2001	2.5%	$6	$1	$7
P-30-01	PLANNING, ENGINEERING, DESIGN 3.3%	$41	$8	20%	$49	0.0%	$41	$8	$49	Aug 2001	2.5%	$42	$8	$50
P-31-01	CONSTRUCTION MANAGEMENT 4.9%	$60	$9	15%	$69	0.0%	$60	$9	$69	Aug 2001	2.5%	$61	$9	$70
	TOTAL COSTS ==========>	$1,344	$266	20%	$1,610		$1,344	$265	$1,609			$1,377	$271	$1,648

Small Boat Harbor, Ouzinkie, AK
UPC=OBH002
Breakwater & Dredging
y:\SBH\OBH002\W97B0020\PHASE 02
Current Working Estimate

Designed By: CEPOA-EN-CW
Estimated By: CEPOA-EN-CE

Prepared By: Valarie Smith / Al Arruda

Preparation Date: 01/05/01
Effective Date of Pricing: 10/01/00
Est Construction Time: 360 Days

Sales Tax: 0.0%

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Release 1.2

Tri-Service Automated Cost Engineering System (TRACES)
PROJECT PASE2R: Small Boat Harbor, Ouzinkie, AK - UPC=OBH002
** CURRENT WORKING ESTIMATE**
** PROJECT OWNER SUMMARY - Contract (Rounded to 10's) **

		QUANTY	UOM	CONTRACT	UNIT COST	TOTAL COST
C-01	Mob, Demob & Preparatory Work	1.00	JOB	376,800	376797.63	376,800
C-10	Construct Breakwater & Seawalls	1.00	JOB	1,729,420	1729419.78	1,729,420
C-12	Nav. Ports and Harbors	1.00	JOB	1,452,420	1452419.84	1,452,420
TOTAL	Small Boat Harbor, Ouzinkie, AK			3,558,640		3,558,640

		QUANTY	UOM	CONTRACT	UNIT COST	TOTAL COST
C-01	Mob, Demob & Preparatory Work	1.00	JOB	376,800	376797.63	376,800
C-10	Construct Breakwater & Seawalls					
C-10_ 01	Construct Breakwater Core,	11200	CY	392,760	35.07	392,760
C-10_ 02	Construct Breakwater "B" Rock	8100.00	CY	331,930	40.98	331,930
C-10_ 03	Construct Breakwater Armor Rock	8500.00	CY	792,440	93.23	792,440
C-10_ 04	Construct Breakwater Cap Rock	165.00	CY	19,310	117.00	19,310
C-10_ 05	Silt Barrier & Water Analysis					
C-10_ 05. 1	Install/Maintain Silt Barrier	600.00	LF	127,900	213.17	127,900
C-10_ 05. 2	Collect Analyse water samples			65,070		65,070
TOTAL	Silt Barrier & Water Analysis	1.00	JOB	192,970	192973.96	192,970
TOTAL	Construct Breakwater & Seawalls	1.00	JOB	1,729,420	1729419.78	1,729,420
C-12	Nav. Ports and Harbors					
C-12_ 01	Federal Dredging, Excavating,					
C-12_ 01. 1	Federal Rock Dredging	2469.00	BCY	199,620	80.85	199,620
TOTAL	Federal Dredging, Excavating,	2469.00	CY	199,620	80.85	199,620
C-12_ 02	Local Dredging, Excavating,					
C-12_ 02. 1	Local Dredging	5721.00	BCY	409,360	71.55	409,360
TOTAL	Local Dredging, Excavating,	5721.00	CY	409,360	71.55	409,360
C-12_ 03	Hydrographic Survey	2.00	EA	40,900	20450.54	40,900
C-12_ 04	Remove/construct other items as					
C-12_ 04. 1	Navigation Foundation	1.00	EA	12,530	12534.20	12,530
TOTAL	Remove/construct other items as			12,530		12,530
C-12_ 09	Inner Harbor Contract					
C-12_ 09. 5	Inner Harbor Utilities			240,000		240,000
C-12_ 09.10	Inner Harbor Mooring Floats			550,000		550,000
TOTAL	Inner Harbor Contract			790,000		790,000

	QUANTY UOM	CONTRACT	UNIT COST	TOTAL COST
TOTAL Nav. Ports and Harbors	1.00 JOB	1,452,420	1452419.84	1,452,420
TOTAL Small Boat Harbor, Ouzinkie, AK		3,558,640		3,558,640

	QUANTY UOM	DIRECT	FIELD OH	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
C-01 Mob, Demob & Preparatory Work	1.00 JOB	285,580	36,550	22,550	27,580	4,530	376,800	376797.63
C-10 Construct Breakwater & Seawalls	1.00 JOB	1,310,770	167,780	103,500	126,560	20,810	1,729,420	1729419.78
C-12 Nav. Ports and Harbors	1.00 JOB	1,323,870	39,720	39,170	49,020	640	1,452,420	1452419.84
TOTAL Small Boat Harbor, Ouzinkie, AK		2,920,220	244,050	165,220	203,160	25,980	3,558,640	

	QUANTY	UOM	DIRECT	FIELD OH	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
C-01 Mob, Demob & Preparatory Work	1.00	JOB	285,580	36,550	22,550	27,580	4,530	376,800	376797.63
C-10 Construct Breakwater & Seawalls									
C-10_ 01 Construct Breakwater Core,	11200	CY	297,690	38,100	23,510	28,740	4,730	392,760	35.07
C-10_ 02 Construct Breakwater "B" Rock	8100.00	CY	251,580	32,200	19,860	24,290	3,990	331,930	40.98
C-10_ 03 Construct Breakwater Armor Rock	8500.00	CY	600,610	76,880	47,420	57,990	9,530	792,440	93.23
C-10_ 04 Construct Breakwater Cap Rock	165.00	CY	14,630	1,870	1,160	1,410	230	19,310	117.00
C-10_ 05 Silt Barrier & Water Analysis									
C-10_ 05. 1 Install/Maintain Silt Barrier	600.00	LF	96,940	12,410	7,650	9,360	1,540	127,900	213.17
C-10_ 05. 2 Collect Analyse water samples			49,320	6,310	3,890	4,760	780	65,070	
TOTAL Silt Barrier & Water Analysis	1.00	JOB	146,260	18,720	11,550	14,120	2,320	192,970	192973.96
TOTAL Construct Breakwater & Seawalls	1.00	JOB	1,310,770	167,780	103,500	126,560	20,810	1,729,420	1729419.78
C-12 Nav. Ports and Harbors									
C-12_ 01 Federal Dredging, Excavating,									
C-12_ 01. 1 Federal Rock Dredging	2469.00	BCY	161,740	11,320	11,770	14,790	0	199,620	80.85
TOTAL Federal Dredging, Excavating,	2469.00	CY	161,740	11,320	11,770	14,790	0	199,620	80.85
C-12_ 02 Local Dredging, Excavating,									
C-12_ 02. 1 Local Dredging	5721.00	BCY	331,630	23,210	24,200	30,320	0	409,360	71.55
TOTAL Local Dredging, Excavating,	5721.00	CY	331,630	23,210	24,200	30,320	0	409,360	71.55
C-12_ 03 Hydrographic Survey	2.00	EA	31,000	3,970	2,450	2,990	490	40,900	20450.54
C-12_ 04 Remove/construct other items as									
C-12_ 04. 1 Navigation Foundation	1.00	EA	9,500	1,220	750	920	150	12,530	12534.20
TOTAL Remove/construct other items as			9,500	1,220	750	920	150	12,530	
C-12_ 09 Inner Harbor Contract									
C-12_ 09. 5 Inner Harbor Utilities			240,000	0	0	0	0	240,000	
C-12_ 09.10 Inner Harbor Mooring Floats			550,000	0	0	0	0	550,000	
TOTAL Inner Harbor Contract			790,000	0	0	0	0	790,000	

	QUANTY UOM	DIRECT	FIELD OH	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
TOTAL Nav. Ports and Harbors	1.00 JOB	1,323,870	39,720	39,170	49,020	640	1,452,420	1452419.84
TOTAL Small Boat Harbor, Ouzinkie, AK		2,920,220	244,050	165,220	203,160	25,980	3,558,640	

	QUANTY	UOM	LABOR	EQUIPMNT	MATERIAL	OTHER	MANHRS	TOTAL COST	UNIT COST
C-01 Mob, Demob & Preparatory Work	1.00	JOB	1,100	9,170	80,310	195,000	80	285,580	285584.76
C-10 Construct Breakwater & Seawalls	1.00	JOB	121,710	134,400	984,750	69,910	2,090	1,310,770	1310772.39
C-12 Nav. Ports and Harbors	1.00	JOB	228,190	185,070	115,100	795,500	1,880	1,323,870	1323866.56
TOTAL Small Boat Harbor, Ouzinkie, AK			351,010	328,640	1,180,160	1,060,410	4,050	2,920,220	
Prime Contractor's Field Overhead								244,050	
SUBTOTAL								3,164,280	
Prime's Home Office Expense								165,220	
SUBTOTAL								3,329,490	
Prime Contractor's Profit (Not Reqd)								203,160	
SUBTOTAL								3,532,650	
Prime Contractor's Bond								25,980	
TOTAL INCL INDIRECTS								3,558,640	

	QUANTY	UOM	LABOR	EQUIPMNT	MATERIAL	OTHER	MANHRS	TOTAL COST	UNIT COST
C-01 Mob, Demob & Preparatory Work	1.00	JOB	1,100	9,170	80,310	195,000	80	285,580	285584.76
C-10 Construct Breakwater & Seawalls									
C-10_ 01 Construct Breakwater Core,	11200	CY	17,540	27,190	224,950	28,000	390	297,690	26.58
C-10_ 02 Construct Breakwater "B" Rock	8100.00	CY	19,550	30,320	181,460	20,250	440	251,580	31.06
C-10_ 03 Construct Breakwater Armor Rock	8500.00	CY	43,730	67,860	467,780	21,250	970	600,610	70.66
C-10_ 04 Construct Breakwater Cap Rock	165.00	CY	970	1,510	11,740	410	20	14,630	88.68
C-10_ 05 Silt Barrier & Water Analysis									
C-10_ 05. 1 Install/Maintain Silt Barrier	600.00	LF	15,920	1,520	79,500	0	260	96,940	161.57
C-10_ 05. 2 Collect Analyse water samples			24,000	6,000	19,320	0	0	49,320	
TOTAL Silt Barrier & Water Analysis	1.00	JOB	39,920	7,520	98,820	0	260	146,260	146260.00
TOTAL Construct Breakwater & Seawalls	1.00	JOB	121,710	134,400	984,750	69,910	2,090	1,310,770	1310772.39
C-12 Nav. Ports and Harbors									
C-12_ 01 Federal Dredging, Excavating,									
C-12_ 01. 1 Federal Rock Dredging	2469.00	BCY	75,260	62,310	24,170	0	620	161,740	65.51
TOTAL Federal Dredging, Excavating,	2469.00	CY	75,260	62,310	24,170	0	620	161,740	65.51
C-12_ 02 Local Dredging, Excavating,									
C-12_ 02. 1 Local Dredging	5721.00	BCY	152,930	122,760	55,930	0	1,270	331,630	57.97
TOTAL Local Dredging, Excavating,	5721.00	CY	152,930	122,760	55,930	0	1,270	331,630	57.97
C-12_ 03 Hydrographic Survey	2.00	EA	0	0	31,000	0	0	31,000	15500.00
C-12_ 04 Remove/construct other items as									
C-12_ 04. 1 Navigation Foundation	1.00	EA	0	0	4,000	5,500	0	9,500	9500.00
TOTAL Remove/construct other items as			0	0	4,000	5,500	0	9,500	
C-12_ 09 Inner Harbor Contract									
C-12_ 09. 5 Inner Harbor Utilities			0	0	0	240,000	0	240,000	
C-12_ 09.10 Inner Harbor Mooring Floats			0	0	0	550,000	0	550,000	
TOTAL Inner Harbor Contract			0	0	0	790,000	0	790,000	

	QUANTY	UOM	LABOR	EQUIPMNT	MATERIAL	OTHER	MANHRS	TOTAL COST	UNIT COST
TOTAL Nav. Ports and Harbors	1.00	JOB	228,190	185,070	115,100	795,500	1,880	1,323,870	1323866.56
TOTAL Small Boat Harbor, Ouzinkie, AK			351,010	328,640	1,180,160	1,060,410	4,050	2,920,220	
Prime Contractor's Field Overhead								244,050	
SUBTOTAL								3,164,280	
Prime's Home Office Expense								165,220	
SUBTOTAL								3,329,490	
Prime Contractor's Profit (Not Reqd)								203,160	
SUBTOTAL								3,532,650	
Prime Contractor's Bond								25,980	
TOTAL INCL INDIRECTS								3,558,640	

No errors detected...

* * * END OF ERROR REPORT * * *

SUMMARY REPORTS SUMMARY PAGE

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No Detailed Estimate...

No Backup Reports...

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