

SECTION B

B.1 SECTION B and C revisions

B.1 SECTION B SCHEDULE

SECTION B: SUPPLIES/SERVICES AND PRICE/COST

ITEM NO.	SUPPLIES/SERVICES	QTY/UNIT	UNIT	AMOUNT
0001	DETAIL DESIGN AND CONSTRUCTION OF ONE NOAA FRV-40, SHIP #1	1 EA	LOT	[Modification 0037] \$41,979,674
	(price includes all approved changes through Modification 0037)			[Modification 0037]
	0001AA Option for Aluminum Superstructure – See Note 1		\$	\$ 693,424
	0001AB Option for De-Icing – see Note 2		\$	\$ 110,704
OPTION 0002	ADDITIONAL REPAIR PARTS, SPARES, SPECIAL TOOLS, SUPPORT/TEST EQUIPMENT (SEE NOTES A, B, D, AND E)	1 LOT		[Modification 0027]\$ \$1,001,050.53
	[Modification 0027]			
OPTION 0003	OUTFITTING MATERIAL (SEE NOTES A, B, D AND E)	1 LOT		\$1,000,000.00
0004	LOGISTICAL DOCUMENTATION	1 LOT		\$ NSP - incl with 0001
OPTION 0005	ADDITIONAL GOVERNMENT REQUIREMENTS (SEE NOTES A, B, C, D, AND E)	1 LOT		\$ 193,479
OPTION 0006	[Modification 0027] SPECIAL STUDIES (SEE NOTES A, B, C, D, AND E)			[Modification 0027] \$ 97,309.47
0007	CREW FAMILIARIZATION	1 LOT		\$ NSP - incl with 0001

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NOTE TO OFFERORS: The total number of FRV-40 vessels to be acquired, the fiscal year funding profiles, and the resulting duration of the contract are unknown on the date of this solicitation. In order to accommodate the likely program scenarios, options for the second, third and fourth vessels and their respective outfitting and support CLINs covering FY 01 through FY 05 are necessary. Option Items 0008, 0015 and 0022 are to be considered identical to Item 0001 for pricing purposes. Prices are requested for each option alternative independent from all others. Option alternatives "A" through "S" are summarized for clarity in the following matrix, and are presented in the Uniform Contract Format by CLIN thereafter.

MATRIX OF ADDITIONAL FRV-40 OPTION ALTERNATIVES

	<u>FY00</u>	<u>FY 01</u>	<u>FY 02</u>	<u>FY03</u>	<u>FY04</u>	<u>FY05</u>
Base Contract	FRV#1					
Option Alt A			#2			
Option Alt B					#2	
Option Alt C				#2		
Option Alt D			#2 + #3			
Option Alt E					#2 + #3	
Option Alt F				#2 + #3		
Option Alt G			#2 + #3 + #4			
Option Alt H					#2 + #3 + #4	
Option Alt I				#2 + #3 + #4		
Option Alt J				#3		
Option Alt K				#3		
Option Alt L					#3 + #4	
Option Alt M				#3 + #4		
Option Alt N					#4	
Option Alt O				#4		
Option Alt P						
Option Alt Q						#3
Option Alt R						#3 + #4
Option Alt S						#4

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OPTION ALTERNATE A: FY 01

ITEM NO.	<u>SUPPLIES/SERVICES</u>	<u>QTY/UNIT</u>	<u>UNIT</u>	<u>AMOUNT</u>
OPTION ALT. A 0008	DETAIL DESIGN AND CONSTRUCTION OF ONE NOAA FRV-40, SHIP #2 (SEE NOTE D)	1 EA	LOT	\$34,261,298
0008AA	Option for Aluminum Superstructure – See Note 1		\$	\$ 708,574
0008AB	Option for De-Icing – see Note 2	\$	\$	112,359
OPTION ALT. A 0009	ADDITIONAL REPAIR PARTS, SPARES, SPECIAL TOOLS, SUPPORT/TEST EQUIPMENT (SEE NOTES A, B, D, AND E)	1 LOT		\$ 1,500,000
OPTION ALT. A 0010	OUTFITTING MATERIAL (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
0011	LOGISTICAL DOCUMENTATION	1 LOT		\$ NSP - incl with 0008
OPTION ALT. A 0012	ADDITIONAL GOVERNMENT REQUIREMENTS (SEE NOTES A, B, C, D AND E)	1 LOT		\$ 199,212
OPTION ALT. A 0013	SPECIAL STUDIES (SEE NOTES A, B, C, D AND E)	5,000	M/H	\$ 205,527
0014	CREW FAMILIARIZATION	1 LOT		\$ NSP - incl with 0008

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OPTION ALTERNATE B: FY 02

ITEM NO.	<u>SUPPLIES/SERVICES</u>	<u>QTY/UNIT</u>	<u>UNIT</u>	<u>AMOUNT</u>
OPTION ALT. B 0008	DETAIL DESIGN AND CONSTRUCTION OF ONE NOAA FRV-40, SHIP #2 (SEE NOTE D)	1 EA	LOT	\$33,787,406
0008AA	Option for Aluminum Superstructure – See Note 1		\$	\$ 725,473
0008AB	Option for De-Icing – see Note 2	\$	\$	116,396
OPTION ALT. B 0009	ADDITIONAL REPAIR PARTS, SPARES, SPECIAL TOOLS, SUPPORT/TEST EQUIPMENT (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
OPTION ALT. B 0010	OUTFITTING MATERIAL (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
11	LOGISTICAL DOCUMENTATION	1 LOT		\$ NSP - incl with 0008
OPTION ALT. B 0012	ADDITIONAL GOVERNMENT REQUIREMENTS (SEE NOTES A, B, C, D AND E)	1 LOT		\$ 205,822
OPTION ALT. B 0013	SPECIAL STUDIES (SEE NOTES A, B, C, D AND E)	5,000	M/H	\$ 213,635
0014	CREW FAMILIARIZATION	1 LOT		\$ NSP - incl with 0008

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OPTION ALTERNATE C: FY 03

ITEM NO.	SUPPLIES/SERVICES	QTY/UNIT	UNIT	AMOUNT
OPTION ALT. C				
0008	DETAIL DESIGN AND CONSTRUCTION OF ONE NOAA FRV-40, SHIP #2 (SEE NOTE D)	1 EA	LOT	[Modification 0037] \$39,476,002
	(price includes all approved changes through Modification 0037)			[Modification 0037]
0008AA	Option for Aluminum Superstructure – See Note 1		\$	\$ 751,442
0008AB	Option for De-Icing – see Note 2		\$	\$ 120,322
[Modification 0011]				
0008AC	Detail Design	[Modification 0018]	\$ 1,130,725	\$ 1,130,725
0008AD	Long Lead Time Items		\$12,333,253	\$12,333,253
0008AE	Construction	[Modification 0037]	\$26,012,024	\$26,012,024
(price includes all approved changes through Modification 0037) [Modification 0037] [Modification 0018][Modification 0011]				
OPTION ALT. C				
0009	ADDITIONAL REPAIR PARTS, SPARES, SPECIAL TOOLS, SUPPORT/TEST EQUIPMENT (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
OPTION ALT. C				
0010	OUTFITTING MATERIAL (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
0011	LOGISTICAL DOCUMENTATION	1 LOT		\$NSP - incl with 0008
OPTION ALT. C				
0012	ADDITIONAL GOVERNMENT REQUIREMENTS (SEE NOTES A, B, C, D AND E)	1 LOT		\$ 205,833

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OPTION ALT. C

0013

SPECIAL STUDIES
(SEE NOTES A, B, C, D AND E)

[Modification 0031]
6,451 M/H \$ 275,635
[Modification 0031]

0014

CREW FAMILIARIZATION 1 LOT

\$NSP - incl
with 0008

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OPTION ALTERNATE D: FY 01

<u>ITEM NO.</u>	<u>SUPPLIES/SERVICES</u>	<u>QTY/UNIT</u>	<u>UNIT</u>	<u>AMOUNT</u>
OPTION ALT. D 0008	DETAIL DESIGN AND CONSTRUCTION OF ONE NOAA FRV-40, SHIP #2 (SEE NOTE D)	1 EA	LOT	\$33,715,251
0008AA	Option for Aluminum Superstructure – See Note 1		\$	\$ 709,860
0008AB	Option for De-Icing – see Note 2	\$	\$	112,562
OPTION ALT. D 0009	ADDITIONAL REPAIR PARTS, SPARES, SPECIAL TOOLS, SUPPORT/TEST EQUIPMENT (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
OPTION ALT. D 0010	OUTFITTING MATERIAL (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
0011	LOGISTICAL DOCUMENTATION	1 LOT		\$NSP - incl with 0008
OPTION ALT. D 0012	ADDITIONAL GOVERNMENT REQUIREMENTS (SEE NOTES A, B, C, D AND E)	1 LOT		\$ 199,574
OPTION ALT. D 0013	SPECIAL STUDIES (SEE NOTES A, B, C, D AND E)	5,000	M/H	\$ 205,900
0014	CREW FAMILIARIZATION	1 LOT		\$NSP - incl with 0008

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OPTION ALTERNATE D: FY 01 cont d

<u>ITEM NO.</u>	<u>SUPPLIES/SERVICES</u>	<u>QTY/UNIT</u>	<u>UNIT</u>	<u>AMOUNT</u>
OPTION ALT. D 0015	DETAIL/CONSTRUCTION OF ONE NOAA FRV-40, SHIP #3 (SEE NOTE D)	1 EA	LOT	\$34,022,745
0015AA	Option for Aluminum Superstructure – See Note 1		\$	\$ 701,026
0015AB	Option for De-Icing – see Note 2	\$	\$	112,612
OPTION ALT. D 0016	ADDITIONAL REPAIR PARTS, SPARES, SPECIAL TOOLS, SUPPORT/TEST EQUIPMENT (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
OPTION ALT. D 0017	OUTFITTING MATERIAL (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
0018	LOGISTICAL DOCUMENTATION	1 LOT		\$NSP - incl with 0015
OPTION ALT. D 0019	ADDITIONAL GOVERNMENT REQUIREMENTS (SEE NOTES A, B, C, D AND E)	1 LOT		\$ 199,574
OPTION ALT. D 0020	SPECIAL STUDIES (SEE NOTES A, B, C, D AND E)	5,000	M/H	\$ 205,900
0021	CREW FAMILIARIZATION	1 LOT		\$NSP - incl with 0015

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OPTION ALTERNATE E: FY 02

<u>ITEM NO.</u>	<u>SUPPLIES/SERVICES</u>	<u>QTY/UNIT</u>	<u>UNIT</u>	<u>AMOUNT</u>
OPTION ALT. E 0008	DETAIL DESIGN AND CONSTRUCTION OF ONE NOAA FRV-40, SHIP #2 (SEE NOTE D)	1 EA	LOT	\$33,787,406
0008AA	Option for Aluminum Superstructure – See Note 1		\$	\$ 725,473
0008AB	Option for De-Icing – see Note 2	\$	\$	116,396
OPTION ALT. E 0009	ADDITIONAL REPAIR PARTS, SPARES, SPECIAL TOOLS, SUPPORT/TEST EQUIPMENT (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
OPTION ALT. E 0010	OUTFITTING MATERIAL (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
0011	LOGISTICAL DOCUMENTATION	1 LOT		\$NSP - incl with 0008
OPTION ALT. E 0012	ADDITIONAL GOVERNMENT REQUIREMENTS (SEE NOTES A, B, C, D AND E)	1 LOT		\$ 205,822
OPTION ALT. E 0013	SPECIAL STUDIES (SEE NOTES A, B, C, D AND E)	5,000	M/H	\$ 213,635
0014	CREW FAMILIARIZATION	1 LOT		\$NSP - incl with 0008

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OPTION ALTERNATE E: FY 02 cont d

<u>ITEM NO.</u>	<u>SUPPLIES/SERVICES</u>	<u>QTY/UNIT</u>	<u>UNIT</u>	<u>AMOUNT</u>
OPTION ALT. E 0015	DETAIL DESIGN AND CONSTRUCTION OF ONE NOAA FRV-40, SHIP #3 (SEE NOTE D)	1 EA	LOT	\$34,081,130
0015AA	Option for Aluminum Superstructure – See Note 1		\$	\$ 725,473
0015AB	Option for De-Icing – see Note 2	\$	\$	116,396
OPTION ALT. E 0016	ADDITIONAL REPAIR PARTS, SPARES, SPECIAL TOOLS, SUPPORT/TEST EQUIPMENT (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
OPTION ALT. E 0017	OUTFITTING MATERIAL (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
0018	LOGISTICAL DOCUMENTATION	1 LOT		\$NSP - incl with 0015
OPTION ALT. E 0019	ADDITIONAL GOVERNMENT REQUIREMENTS (SEE NOTES A, B, C, D AND E)	1 LOT		\$ 205,822
OPTION ALT. E 0020	SPECIAL STUDIES (SEE NOTES A, B, C, D AND E)	5,000	M/H	\$ 213,635
0021	CREW FAMILIARIZATION	1 LOT		\$NSP - incl with 0015

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OPTION ALTERNATE F: FY 03

ITEM NO.	SUPPLIES/SERVICES	QTY/UNIT	UNIT	AMOUNT
OPTION ALT. F 0008	DETAIL DESIGN AND CONSTRUCTION OF ONE NOAA FRV-40, SHIP #2 (SEE NOTE D)	1 EA	LOT	\$34,494,474
0008AA	Option for Aluminum Superstructure – See Note 1		\$	\$ 751,442
0008AB	Option for De-Icing – see Note 2	\$	\$	120,322
OPTION ALT. F 0009	ADDITIONAL REPAIR PARTS, SPARES, SPECIAL TOOLS, SUPPORT/TEST EQUIPMENT (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
OPTION ALT. F 0010	OUTFITTING MATERIAL (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
0011	LOGISTICAL DOCUMENTATION	1 LOT		\$NSP - incl with 0008
OPTION ALT. F 0012	ADDITIONAL GOVERNMENT REQUIREMENTS (SEE NOTES A, B, C, D AND E)	1 LOT		\$ 205,822
OPTION ALT. F 0013	SPECIAL STUDIES (SEE NOTES A, B, C, D AND E)	5,000	M/H	\$ 213,635
0014	CREW FAMILIARIZATION	1 LOT		\$NSP - incl with 0008

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OPTION ALTERNATE F: FY 03 cont'd.

<u>ITEM NO.</u>	<u>SUPPLIES/SERVICES</u>	<u>QTY/UNIT</u>	<u>UNIT</u>	<u>AMOUNT</u>
OPTION ALT. F 0015	DETAIL DESIGN AND CONSTRUCTION OF ONE NOAA FRV-40, SHIP #3 (SEE NOTE D)	1 EA	LOT	\$33,869,883
0015AA	Option for Aluminum Superstructure – See Note 1		\$	\$ 750,714
0015AB	Option for De-Icing – see Note 2	\$	\$	120,273
OPTION ALT. F 0016	ADDITIONAL REPAIR PARTS, SPARES, SPECIAL TOOLS, SUPPORT/TEST EQUIPMENT (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
OPTION ALT. F 0017	OUTFITTING MATERIAL (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
0018	LOGISTICAL DOCUMENTATION	1 LOT		\$NSP - incl with 0015
OPTION ALT. F 0019	ADDITIONAL GOVERNMENT REQUIREMENTS (SEE NOTES A, B, C, D AND E)	1 LOT		\$ 212,364
OPTION ALT. F 0020	SPECIAL STUDIES (SEE NOTES A, B, C, D AND E)	5,000	M/H	\$ 221,734
0021	CREW FAMILIARIZATION	1 LOT		\$NSP - incl with 0015

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OPTION ALTERNATE G: FY 01

<u>ITEM NO.</u>	<u>SUPPLIES/SERVICES</u>	<u>QTY/UNIT</u>	<u>UNIT</u>	<u>AMOUNT</u>
OPTION ALT. G 0008	DETAIL DESIGN AND CONSTRUCTION OF ONE NOAA FRV-40, SHIP #2 (SEE NOTE D)	1 EA	LOT	\$32,638,586
0008AA	Option for Aluminum Superstructure – See Note 1		\$	\$ 693,424
0008AB	Option for De-Icing – see Note 2	\$	\$	110,704
OPTION ALT. G 0009	ADDITIONAL REPAIR PARTS, SPARES, SPECIAL TOOLS, SUPPORT/TEST EQUIPMENT (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
OPTION ALT. G 0010	OUTFITTING MATERIAL (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
0011	LOGISTICAL DOCUMENTATION	1 LOT		\$NSP - incl with 0008
OPTION ALT. G 0012	ADDITIONAL GOVERNMENT REQUIREMENTS (SEE NOTES A, B, C, D AND E)	1 LOT		\$ 193,479
OPTION ALT. G 0013	SPECIAL STUDIES (SEE NOTES A, B, C, D AND E)	5,000	M/H	\$ 198,360
0014	CREW FAMILIARIZATION	1 LOT		\$NSP - incl with 0008

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OPTION ALTERNATE G: FY 01 cont d.

<u>ITEM NO.</u>	<u>SUPPLIES/SERVICES</u>	<u>QTY/UNIT</u>	<u>UNIT</u>	<u>AMOUNT</u>
OPTION ALT. G 0015	DETAIL DESIGN AND CONSTRUCTION OF ONE NOAA FRV-40, SHIP #3 (SEE NOTE D)	1 EA	LOT	\$34,022,745
0015AA	Option for Aluminum Superstructure – See Note 1		\$	\$ 718,099
0015AB	Option for De-Icing – see Note 2	\$	\$	114,513
OPTION ALT. G 0016	ADDITIONAL REPAIR PARTS, SPARES, SPECIAL TOOLS, SUPPORT/TEST EQUIPMENT (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
OPTION ALT. G 0017	OUTFITTING MATERIAL (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
0018	LOGISTICAL DOCUMENTATION	1 LOT		\$NSP - incl with 0015
OPTION ALT. G 0019	ADDITIONAL GOVERNMENT REQUIREMENTS (SEE NOTES A, B, C, D AND E)	1 LOT		\$ 199,574
OPTION ALT. G 0020	SPECIAL STUDIES (SEE NOTES A, B, C, D AND E)	5,000	M/H	\$ 205,900
0021	CREW FAMILIARIZATION	1 LOT		\$NSP - incl with 0015

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OPTION ALTERNATE G: FY 01 cont d.

<u>ITEM NO.</u>	<u>SUPPLIES/SERVICES</u>	<u>QTY/UNIT</u>	<u>UNIT</u>	<u>AMOUNT</u>
OPTION ALT. G 0022	DETAIL DESIGN AND CONSTRUCTION OF ONE NOAA FRV-40, SHIP #4 (SEE NOTE D)	1 EA	LOT	\$34,414,780
0022AA	Option for Aluminum Superstructure – See Note 1		\$	\$ 701,026
0022AB	Option for De-Icing – see Note 2	\$	\$	112,612
OPTION ALT. G 0023	ADDITIONAL REPAIR PARTS, SPARES, SPECIAL TOOLS, SUPPORT/TEST EQUIPMENT (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
OPTION ALT. G 0024	OUTFITTING MATERIAL (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
0025	LOGISTICAL DOCUMENTATION	1 LOT		\$NSP - incl with 0022
OPTION ALT. G 0026	ADDITIONAL GOVERNMENT REQUIREMENTS (SEE NOTES A, B, C, D AND E)	1 LOT		\$ 199,574
OPTION ALT. G 0027	SPECIAL STUDIES (SEE NOTES A, B, C, D AND E)	5,000	M/H	\$ 205,900
0028	CREW FAMILIARIZATION	1 LOT		\$NSP - incl with 0022

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OPTION ALTERNATE H: FY 02

<u>ITEM</u>	<u>SUPPLIES/SERVICES</u>	<u>QTY/UNIT</u>	<u>UNIT</u>	<u>AMOUNT</u>
OPTION ALT. H 0008	DETAIL DESIGN AND CONSTRUCTION OF ONE NOAA FRV-40, SHIP #2 (SEE NOTE D)	1 EA	LOT	\$33,787,406
0008AA	Option for Aluminum Superstructure – See Note 1		\$	\$ 725,473
0008AB	Option for De-Icing – see Note 2	\$	\$	116,396
OPTION ALT. H 0009	ADDITIONAL REPAIR PARTS, SPARES, SPECIAL TOOLS, SUPPORT/TEST EQUIPMENT (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
OPTION ALT. H 0010	OUTFITTING MATERIAL (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
0011	LOGISTICAL DOCUMENTATION	1 LOT		\$NSP - incl with 0008
OPTION ALT. H 0012	ADDITIONAL GOVERNMENT REQUIREMENTS (SEE NOTES A, B, C, D AND E)	1 LOT		\$ 205,822
OPTION ALT. H 0013	SPECIAL STUDIES (SEE NOTES A, B, C, D AND E)	5,000	M/H	\$ 213,635
0014	CREW FAMILIARIZATION	1 LOT		\$NSP - incl with 0008

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OPTION ALTERNATE H: FY 02 cont d.

<u>ITEM NO.</u>	<u>SUPPLIES/SERVICES</u>	<u>QTY/UNIT</u>	<u>UNIT</u>	<u>AMOUNT</u>
OPTION ALT. H 0015	DETAIL DESIGN AND CONSTRUCTION OF ONE NOAA FRV-40, SHIP #3 (SEE NOTE D)	1 EA	LOT	\$33,794,365
0015AA	Option for Aluminum Superstructure – See Note 1		\$	\$ 743,188
0015AB	Option for De-Icing – see Note 2	\$	\$	118,369
OPTION ALT. H 0016	ADDITIONAL REPAIR PARTS, SPARES, SPECIAL TOOLS, SUPPORT/TEST EQUIPMENT (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
OPTION ALT. H 0017	OUTFITTING MATERIAL (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
0018	LOGISTICAL DOCUMENTATION	1 LOT		\$NSP - incl with 0015
OPTION ALT. H 0019	ADDITIONAL GOVERNMENT REQUIREMENTS (SEE NOTES A, B, C, D AND E)	1 LOT		\$ 205,822
OPTION ALT. H 0020	SPECIAL STUDIES (SEE NOTES A, B, C, D AND E)	5,000	M/H	\$ 213,635
0021	CREW FAMILIARIZATION	1 LOT		\$NSP - incl with 0015

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OPTION ALTERNATE H: FY 02 cont d.

<u>ITEM NO.</u>	<u>SUPPLIES/SERVICES</u>	<u>QTY/UNIT</u>	<u>UNIT</u>	<u>AMOUNT</u>
OPTION ALT. H 0022	DETAIL DESIGN AND CONSTRUCTION OF ONE NOAA FRV-40, SHIP #4 (SEE NOTE D)	1 EA	LOT	\$33,894,752
0022AA	Option for Aluminum Superstructure – See Note 1		\$	\$ 750,714
0022AB	Option for De-Icing – see Note 2	\$	\$	120,273
OPTION ALT. H 0023	ADDITIONAL REPAIR PARTS, SPARES, SPECIAL TOOLS, SUPPORT/TEST EQUIPMENT (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
OPTION ALT. H 0024	OUTFITTING MATERIAL (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
0025	LOGISTICAL DOCUMENTATION	1 LOT		\$NSP - incl with 0022
OPTION ALT. H 0026	ADDITIONAL GOVERNMENT REQUIREMENTS (SEE NOTES A, B, C, D AND E)	1 LOT		\$ 212,364
OPTION ALT. H 0027	SPECIAL STUDIES (SEE NOTES A, B, D AND E)	5,000	M/H	\$ 221,734
0028	CREW FAMILIARIZATION	1 LOT		\$NSP - incl with 0022

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OPTION ALTERNATE I: FY 03

<u>ITEM NO.</u>	<u>SUPPLIES/SERVICES</u>	<u>QTY/UNIT</u>	<u>UNIT</u>	<u>AMOUNT</u>
OPTION ALT. I 0008	DETAIL DESIGN AND CONSTRUCTION OF ONE NOAA FRV-40, SHIP #2 (SEE NOTE D)	1 EA	LOT	\$34,871,945
0008AA	Option for Aluminum Superstructure – See Note 1		\$	\$ 769,101
0008AB	Option for De-Icing – see Note 2	\$	\$	122,320
OPTION ALT. I 0009	ADDITIONAL REPAIR PARTS, SPARES, SPECIAL TOOLS, SUPPORT/TEST EQUIPMENT (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
OPTION ALT. I 0010	OUTFITTING MATERIAL (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
0011	LOGISTICAL DOCUMENTATION	1 LOT		\$NSP - incl with 0008
OPTION ALT. I 0012	ADDITIONAL GOVERNMENT REQUIREMENTS (SEE NOTES A, B, C, D AND E)	1 LOT		\$ 212,364
OPTION ALT. I 0013	SPECIAL STUDIES (SEE NOTES A, B, C, D AND E)	5,000	M/H	\$ 221,734
0014	CREW FAMILIARIZATION	1 LOT		\$NSP - incl with 0008

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OPTION ALTERNATE I: FY 03 cont d.

<u>ITEM NO.</u>	<u>SUPPLIES/SERVICES</u>	<u>QTY/UNIT</u>	<u>UNIT</u>	<u>AMOUNT</u>
OPTION ALT. I 0015	DETAIL DESIGN AND CONSTRUCTION OF ONE NOAA FRV-40, SHIP #3 (SEE NOTE D)	1 EA	LOT	\$33,869,883
0015AA	Option for Aluminum Superstructure – See Note 1		\$	\$ 769,101
0015AB	Option for De-Icing – see Note 2	\$	\$	122,320
OPTION ALT. I 0016	ADDITIONAL REPAIR PARTS, SPARES, SPECIAL TOOLS, SUPPORT/TEST EQUIPMENT (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
OPTION ALT. I 0017	OUTFITTING MATERIAL (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
0018	LOGISTICAL DOCUMENTATION	1 LOT		\$NSP - incl with 0015
OPTION ALT. I 0019	ADDITIONAL GOVERNMENT REQUIREMENTS (SEE NOTES A, B, C, D AND E)	1 LOT		\$ 212,364
OPTION ALT. I 0020	SPECIAL STUDIES (SEE NOTES A, B, C, D AND E)	5,000	M/H	\$ 221,734
0021	CREW FAMILIARIZATION	1 LOT		\$NSP - incl with 0015

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OPTION ALTERNATE I: FY 03 cont d.

<u>ITEM NO.</u>	<u>SUPPLIES/SERVICES</u>	<u>QTY/UNIT</u>	<u>UNIT</u>	<u>AMOUNT</u>
OPTION ALT. I 0022	DETAIL DESIGN AND CONSTRUCTION OF ONE NOAA FRV-40, SHIP #4 (SEE NOTE D)	1 EA	LOT	\$33,967,230
0022AA	Option for Aluminum Superstructure – See Note 1		\$	\$ 776,481
0022AB	Option for De-Icing – see Note 2	\$	\$	124,208
OPTION ALT. I 0023	ADDITIONAL REPAIR PARTS, SPARES, SPECIAL TOOLS, SUPPORT/TEST EQUIPMENT (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
OPTION ALT. I 0024	OUTFITTING MATERIAL (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
0025	LOGISTICAL DOCUMENTATION	1 LOT		\$NSP - incl with 0022
OPTION ALT. I 0026	ADDITIONAL GOVERNMENT REQUIREMENTS (SEE NOTES A, B, C, D AND E)	1 LOT		\$ 219,109
OPTION ALT. I 0027	SPECIAL STUDIES (SEE NOTES A, B, C, D AND E)	5,000	M/H	\$ 230,090
0028	CREW FAMILIARIZATION	1 LOT		\$NSP - incl with 0022

SECTION B

OPTION ALTERNATE J: FY 02

<u>ITEM NO.</u>	<u>SUPPLIES/SERVICES</u>	<u>QTY/UNIT</u>	<u>UNIT</u>	<u>AMOUNT</u>
OPTION ALT. J 0015	DETAIL DESIGN AND CONSTRUCTION OF ONE NOAA FRV-40, SHIP #3 (SEE NOTE D)	1 EA	LOT	\$33,794,365
0015AA	Option for Aluminum Superstructure – See Note 1		\$	\$ 725,473
0015AB	Option for De-Icing – see Note 2	\$	\$	116,396
OPTION ALT. J 0016	ADDITIONAL REPAIR PARTS, SPARES, SPECIAL TOOLS, SUPPORT/TEST EQUIPMENT (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
OPTION ALT. J 0017	OUTFITTING MATERIAL (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
0018	LOGISTICAL DOCUMENTATION	1 LOT		\$NSP - incl with 0015
OPTION ALT. J 0019	ADDITIONAL GOVERNMENT REQUIREMENTS (SEE NOTES A, B, C, D AND E)	1 LOT		\$ 205,822
OPTION ALT. J 0020	SPECIAL STUDIES (SEE NOTES A, B, C, D AND E)	5,000	M/H	\$ 213,635
0021	CREW FAMILIARIZATION	1 LOT		\$NSP - incl with 0015

SECTION B

OPTION ALTERNATE K: FY 03

<u>ITEM NO.</u>	<u>SUPPLIES/SERVICES</u>	<u>QTY/UNIT</u>	<u>UNIT</u>	<u>AMOUNT</u>
OPTION ALT. K				
0015	DETAIL DESIGN AND CONSTRUCTION OF ONE NOAA FRV-40, SHIP #3 (SEE NOTE D)	1 EA	LOT	\$33,869,883
0015AA	Option for Aluminum Superstructure – See Note 1		\$	\$ 750,714
0015AB	Option for De-Icing – see Note 2	\$	\$	120,273
OPTION ALT. K				
0016	ADDITIONAL REPAIR PARTS, SPARES, SPECIAL TOOLS, SUPPORT/TEST EQUIPMENT (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
OPTION ALT. K				
0017	OUTFITTING MATERIAL (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
0018	LOGISTICAL DOCUMENTATION	1 LOT		\$NSP - incl with 0015
OPTION ALT. K				
0019	ADDITIONAL GOVERNMENT REQUIREMENTS (SEE NOTES A, B, C, D AND E)	1 LOT		\$ 212,364
OPTION ALT. K				
0020	SPECIAL STUDIES (SEE NOTES A, B, C, D AND E)	5,000	M/H	\$ 221,734
0021	CREW FAMILIARIZATION	1 LOT		\$NSP - incl with 0015

SECTION B

OPTION ALTERNATE L: FY 02

<u>ITEM NO.</u>	<u>SUPPLIES/SERVICES</u>	<u>QTY/UNIT</u>	<u>UNIT</u>	<u>AMOUNT</u>
OPTION ALT. L 0015	DETAIL DESIGN AND CONSTRUCTION OF ONE NOAA FRV-40, SHIP #3 (SEE NOTE D)	1 EA	LOT	\$33,794,365
0015AA	Option for Aluminum Superstructure – See Note 1		\$	\$ 725,473
0015AB	Option for De-Icing – see Note 2	\$	\$	116,396
OPTION ALT. L 0016	ADDITIONAL REPAIR PARTS, SPARES, SPECIAL TOOLS, SUPPORT/TEST EQUIPMENT (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
OPTION ALT. L 0017	OUTFITTING MATERIAL (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
0018	LOGISTICAL DOCUMENTATION	1 LOT		\$NSP - incl with 0015
OPTION ALT. L 0019	ADDITIONAL GOVERNMENT REQUIREMENTS (SEE NOTES A, B, C, D AND E)	1 LOT		\$ 205,822
OPTION ALT. L 0020	SPECIAL STUDIES (SEE NOTES A, B, C, D AND E)	5,000	M/H	\$ 213,635
0021	CREW FAMILIARIZATION	1 LOT		\$NSP - incl with 0015

SECTION B

OPTION ALTERNATE L: FY 02 cont d.

<u>ITEM NO.</u>	<u>SUPPLIES/SERVICES</u>	<u>QTY/UNIT</u>	<u>UNIT</u>	<u>AMOUNT</u>
OPTION ALT. L 0022	DETAIL DESIGN AND CONSTRUCTION OF ONE NOAA FRV-40, SHIP #4 (SEE NOTE D)	1 EA	LOT	\$32,191,746
0022AA	Option for Aluminum Superstructure – See Note 1		\$	\$ 725,473
0022AB	Option for De-Icing – see Note 2	\$	\$	116,396
OPTION ALT. L 0023	ADDITIONAL REPAIR PARTS, SPARES, SPECIAL TOOLS, SUPPORT/TEST EQUIPMENT (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
OPTION ALT. L 0024	OUTFITTING MATERIAL (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
0025	LOGISTICAL DOCUMENTATION	1 LOT		\$NSP - incl with 0022
OPTION ALT. L 0026	ADDITIONAL GOVERNMENT REQUIREMENTS (SEE NOTES A, B, C, D AND E)	1 LOT		\$ 205,822
OPTION ALT. L 0027	SPECIAL STUDIES (SEE NOTES A, B, C, D AND E)	5,000	M/H	\$ 213,635
0028	CREW FAMILIARIZATION	1 LOT		\$NSP - incl with 0022

SECTION B

OPTION ALTERNATE M: FY 03

<u>ITEM NO.</u>	<u>SUPPLIES/SERVICES</u>	<u>QTY/UNIT</u>	<u>UNIT</u>	<u>AMOUNT</u>
OPTION ALT. M 0015	DETAIL DESIGN AND CONSTRUCTION OF ONE NOAA FRV-40, SHIP #3 (SEE NOTE D)	1 EA	LOT	\$34,481,117
0015AA	Option for Aluminum Superstructure – See Note 1		\$	\$ 733,726
0015AB	Option for De-Icing – see Note 2	\$	\$	118,350
OPTION ALT. M 0016	ADDITIONAL REPAIR PARTS, SPARES, SPECIAL TOOLS, SUPPORT/TEST EQUIPMENT (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
OPTION ALT. M 0017	OUTFITTING MATERIAL (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
0018	LOGISTICAL DOCUMENTATION	1 LOT		\$NSP - incl with 0015
OPTION ALT. M 0019	ADDITIONAL GOVERNMENT REQUIREMENTS (SEE NOTES A, B, C, D AND E)	1 LOT		\$ 205,822
OPTION ALT. M 0020	SPECIAL STUDIES (SEE NOTES A, B, C, D AND E)	5,000	M/H	\$ 213,635
0021	CREW FAMILIARIZATION	1 LOT		\$NSP - incl with 0015

SECTION B

OPTION ALTERNATE M: FY 03 cont d.

<u>ITEM NO.</u>	<u>SUPPLIES/SERVICES</u>	<u>QTY/UNIT</u>	<u>UNIT</u>	<u>AMOUNT</u>
OPTION ALT. M 0022	DETAIL DESIGN AND CONSTRUCTION OF ONE NOAA FRV-40, SHIP #4 (SEE NOTE D)	1 EA	LOT	\$33,894,752
0022AA	Option for Aluminum Superstructure – See Note 1		\$	\$ 750,714
0022AB	Option for De-Icing – see Note 2	\$	\$	120,273
OPTION ALT. M 0023	ADDITIONAL REPAIR PARTS, SPARES, SPECIAL TOOLS, SUPPORT/TEST EQUIPMENT (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
OPTION ALT. M 0024	OUTFITTING MATERIAL (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
0025	LOGISTICAL DOCUMENTATION	1 LOT		\$NSP - incl with 0022
OPTION ALT. M 0026	ADDITIONAL GOVERNMENT REQUIREMENTS (SEE NOTES A, B, C, D AND E)	1 LOT		\$ 212,364
OPTION ALT. M 0027	SPECIAL STUDIES (SEE NOTES A, B, C, D AND E)	5,000	M/H	\$ 221,734
0028	CREW FAMILIARIZATION	1 LOT		\$NSP - incl with 0022

SECTION B

OPTION ALTERNATE N: FY 02

<u>ITEM NO.</u>	<u>SUPPLIES/SERVICES</u>	<u>QTY/UNIT</u>	<u>UNIT</u>	<u>AMOUNT</u>
OPTION ALT. N 0022	DETAIL DESIGN AND CONSTRUCTION OF ONE NOAA FRV-40, SHIP #4 (SEE NOTE D)	1 EA	LOT	\$34,487,339
0022AA	Option for Aluminum Superstructure – See Note 1		\$	\$ 725,473
0022AB	Option for De-Icing – see Note 2	\$	\$	116,396
OPTION ALT. N 0023	ADDITIONAL REPAIR PARTS, SPARES, SPECIAL TOOLS, SUPPORT/TEST EQUIPMENT (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
OPTION ALT. N 0024	OUTFITTING MATERIAL (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
0025	LOGISTICAL DOCUMENTATION	1 LOT		\$NSP - incl with 0022
OPTION ALT. N 0026	ADDITIONAL GOVERNMENT REQUIREMENTS (SEE NOTES A, B, C, D AND E)	1 LOT		\$ 205,822
OPTION ALT. N 0027	SPECIAL STUDIES (SEE NOTES A, B, C, D AND E)	5,000	M/H	\$ 213,635
0028	CREW FAMILIARIZATION	1 LOT		\$NSP - incl with 0022

SECTION B

OPTION ALTERNATE O: FY 03

<u>ITEM NO.</u>	<u>SUPPLIES/SERVICES</u>	<u>QTY/UNIT</u>	<u>UNIT</u>	<u>AMOUNT</u>
OPTION ALT. O 0022	DETAIL DESIGN AND CONSTRUCTION OF ONE NOAA FRV-40, SHIP #4 (SEE NOTE D)	1 EA	LOT	\$33,894,752
0022AA	Option for Aluminum Superstructure – See Note 1		\$	\$ 750,714
0022AB	Option for De-Icing – see Note 2	\$	\$	120,273
OPTION ALT. O 0023	ADDITIONAL REPAIR PARTS, SPARES, SPECIAL TOOLS, SUPPORT/TEST EQUIPMENT (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
OPTION ALT. O 0024	OUTFITTING MATERIAL (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
0025	LOGISTICAL DOCUMENTATION	1 LOT		\$NSP - incl with 0022
OPTION ALT. O 0026	ADDITIONAL GOVERNMENT REQUIREMENTS (SEE NOTES A, B, C, D AND E)	1 LOT		\$ 212,364
OPTION ALT. O 0027	SPECIAL STUDIES (SEE NOTES A, B, C, D AND E)	5,000	M/H	\$ 221,734
0028	CREW FAMILIARIZATION	1 LOT		\$NSP - incl with 0022

SECTION B

OPTION ALTERNATE P: FY 04

<u>ITEM NO.</u>	<u>SUPPLIES/SERVICES</u>	<u>QTY/UNIT</u>	<u>UNIT</u>	<u>AMOUNT</u>
OPTION ALT. P				
0015	DETAIL DESIGN AND CONSTRUCTION OF ONE NOAA FRV-40, SHIP #3 (SEE NOTE D)	1 EA	LOT	[Modification 0033] \$ 38,192,162
	price includes all approved changes through Modification 0037) [Modification 0037]			
0015AA	Option for Aluminum Superstructure – See Note 1		\$	\$ 777,369
0015AB	Option for De-Icing – see Note 2		\$	\$ 124,278
	[Modification 0022]			
0015AC	Detail Design		\$ 1,168,575_	\$ 1,168,575
0015AD	Long Lead Time Items NOTES G AND H)		\$ 16,821,116	\$ 16,821,116 (SEE
0015AE	Construction		[Modification 0037]	
			\$ 20,202,489	\$20,202,489
price includes all approved changes through Modification 0037) [Modification 0037][Modification 0022]				
OPTION ALT. P				
0016	ADDITIONAL REPAIR PARTS, SPARES, SPECIAL TOOLS, SUPPORT/TEST EQUIPMENT (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
OPTION ALT. P				
0017	OUTFITTING MATERIAL (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
0018	LOGISTICAL DOCUMENTATION	1 LOT		\$NSP - incl with 0015
OPTION ALT. P				
0019	ADDITIONAL GOVERNMENT REQUIREMENTS (SEE NOTES A, B, C, D AND E)	1 LOT		[Modification 0031] \$ 274,364 [Modification 0031]

SECTION B

OPTION ALT. P

0020	SPECIAL STUDIES (SEE NOTES A, B, C, D AND E)	5,000 M/H	\$ 221,734
0021	CREW FAMILIARIZATION	1 LOT	\$NSP - incl with 0015

SECTION B

OPTION ALTERNATE Q: FY 04

<u>ITEM</u>	<u>SUPPLIES/SERVICES</u>	<u>QTY/UNIT</u>	<u>UNIT</u>	<u>AMOUNT</u>
OPTION ALT. Q 0015	DETAIL DESIGN AND CONSTRUCTION OF ONE NOAA FRV-40, SHIP #3 (SEE NOTE D)	1 EA	LOT	\$34,557,877
0015AA	Option for Aluminum Superstructure – See Note 1		\$	\$ 777,369
0015AB	Option for De-Icing – see Note 2	\$	\$	124,278
OPTION ALT. Q 0016	ADDITIONAL REPAIR PARTS, SPARES, SPECIAL TOOLS, SUPPORT/TEST EQUIPMENT (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
OPTION ALT. Q 0017	OUTFITTING MATERIAL (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
0018	LOGISTICAL DOCUMENTATION	1 LOT		\$NSP - incl with 0015
OPTION ALT. Q 0019	ADDITIONAL GOVERNMENT REQUIREMENTS (SEE NOTES A, B, C, D AND E)	1 LOT		\$ 212,364
OPTION ALT. Q 0020	SPECIAL STUDIES (SEE NOTES A, B, C, D AND E)	5,000	M/H	\$ 221,734
0021	CREW FAMILIARIZATION	1 LOT		\$NSP - incl with 0015

SECTION B

OPTION ALTERNATE Q: FY 04 cont d.

<u>ITEM NO.</u>	<u>SUPPLIES/SERVICES</u>	<u>QTY/UNIT</u>	<u>UNIT</u>	<u>AMOUNT</u>
OPTION ALT. Q 0022	DETAIL DESIGN AND CONSTRUCTION OF ONE NOAA FRV-40, SHIP #4 (SEE NOTE D)	1 EA	LOT	\$33,967,230
0022AA	Option for Aluminum Superstructure – See Note 1		\$	\$ 776,481
0022AB	Option for De-Icing – see Note 2	\$	\$	124,208
OPTION ALT. Q 0023	ADDITIONAL REPAIR PARTS, SPARES, SPECIAL TOOLS, SUPPORT/TEST EQUIPMENT (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
OPTION ALT. Q 0024	OUTFITTING MATERIAL (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
0025	LOGISTICAL DOCUMENTATION	1 LOT		\$NSP - incl with 0022
OPTION ALT. Q 0026	ADDITIONAL GOVERNMENT REQUIREMENTS (SEE NOTES A, B, C, D AND E)	1 LOT		\$ 219,109
OPTION ALT. Q 0027	SPECIAL STUDIES (SEE NOTES A, B, C, D AND E)	5,000	M/H	\$ 230,090
0028	CREW FAMILIARIZATION	1 LOT		\$NSP - incl with 0022

SECTION B

OPTION ALTERNATE R: FY 04

<u>ITEM NO.</u>	<u>SUPPLIES/SERVICES</u>	<u>QTY/UNIT</u>	<u>UNIT</u>	<u>AMOUNT</u>
OPTION ALT. R 0022	DETAIL DESIGN AND CONSTRUCTION OF ONE NOAA FRV-40, SHIP #4 (SEE NOTE D)	1 EA	LOT	\$33,967,230
0022AA	Option for Aluminum Superstructure – See Note 1		\$	\$ 795,561
0022AB	Option for De-Icing – see Note 2	\$	\$	126,333
OPTION ALT. R 0023	ADDITIONAL REPAIR PARTS, SPARES, SPECIAL TOOLS, SUPPORT/TEST EQUIPMENT (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
OPTION ALT. R 0024	OUTFITTING MATERIAL (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
0025	LOGISTICAL DOCUMENTATION	1 LOT		\$NSP - incl with 0022
OPTION ALT. R 0026	ADDITIONAL GOVERNMENT REQUIREMENTS (SEE NOTES A, B, C, D AND E)	1 LOT		\$ 219,109
OPTION ALT. R 0027	SPECIAL STUDIES (SEE NOTES A, B, C, D AND E)	5,000	M/H	\$ 230,090
0028	CREW FAMILIARIZATION	1 LOT		\$NSP - incl with 0022

SECTION B

OPTION ALTERNATE S: FY 05

<u>ITEM NO.</u>	<u>SUPPLIES/SERVICES</u>	<u>QTY/UNIT</u>	<u>UNIT</u>	<u>AMOUNT</u>
OPTION ALT. S 0022	DETAIL DESIGN AND CONSTRUCTION OF ONE NOAA FRV-40, SHIP #4 (SEE NOTE D)	1 EA	[Modification 037] [Modification 039] LOT	\$37,073,744.35
	(price includes all approved changes through Modification 0038)[Modification 037] [Modification 039]			
0022AA	Option for Aluminum Superstructure – See Note 1		\$	\$ 803,844
0022AB	Option for De-Icing – see Note 2		\$	\$ 128,293
[Modification 0022]	0022AC Detail Design		\$ 1,207,557_	\$ 1,207,557
0022AD	Long Lead Time Items NOTES G AND H)		\$ 16,821,116	\$ 16,821,116 (SEE
[Modification 039]	0022AE Construction		\$ 16,608,662_	\$ 16,608,662
	(price includes all authorized changes through Modification 039) [Modification 0022] [Modification 037]			
[Modification 039]	0022B Funding for ECPs		\$ 0.00	\$ 0.00
	(price includes all authorized changes through Modification 037) [Modification 037]			
[Modification 0037]	0022A Provide ECPs		\$ 2,436,409.35	\$ 2,436,409.35
	(price includes all authorized changes through Modification 038) [Modification 037] [Modification 039]			
OPTION ALT. S 0023	ADDITIONAL REPAIR PARTS, SPARES, SPECIAL TOOLS, SUPPORT/TEST EQUIPMENT (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
OPTION ALT. S 0024	OUTFITTING MATERIAL (SEE NOTES A, B, D AND E)	1 LOT		\$ 1,500,000
0025	LOGISTICAL DOCUMENTATION	1 LOT		\$NSP - incl with 0022
OPTION ALT. S 0026	ADDITIONAL GOVERNMENT REQUIREMENTS (SEE NOTES A, B, C, D AND E)	1 LOT		\$ 219,109

SECTION B

OPTION ALT. S

0027	SPECIAL STUDIES (SEE NOTES A, B, C, D AND E)	5,000 M/H	\$ 230,090
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0028	CREW FAMILIARIZATION	1 LOT	\$NSP - incl with 0022
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SECTION B

[Modification 0018]

AWARD FEE FOR BASE AND ALL ALTERNATES

ITEM NO.	SUPPLIES/SERVICES	QTY/UNIT	UNIT	AMOUNT
0029	AWARD FEE (SEE NOTE F)			
0029AA	Vessel Award Fee – Ship 1		1	\$ 650,000.00
0029AB	Documentation Award Fee – Ship 1		1	\$ 80,000.00
[Modification 0018] [Modification 0020] 0029AC	Vessel Award Fee – Ship 2		1	\$ 550,000.00
0029AD	Documentation Award Fee – Ship 2		1	\$ 80,000.00
[Modification 0020]				

NOTE 1 - See SOR Section 100(a). Price is requested with aluminum instead of steel. The decision made for the CLIN 0001 lead ship regarding steel or aluminum superstructure will determine the superstructure material for optional ships under CLINs 0008, 0015, and 0022, if exercised.

NOTE 2 - See SOR Section 333. Price is requested for a de-icing system. The exercise of this option for the CLIN 001 lead ship will not obligate the Government to exercise this option in the event optional ships under CLINs 0008, 0015 and 0022 are exercised.

NOTE A - These FFP items or orders shall not be subject to the clause of this contract entitled "AWARD FEE".

NOTE B - See Section C Clause entitled "ORDERING ITEMS".

NOTE C - This is an estimated amount of labor hours and does not indicate that the Government will necessarily order this amount or any at all. The number of labor hours will be determined in accordance with the clause in Section C of this contract entitled "ADDITIONAL GOVERNMENT REQUIREMENTS". In the unit price columns, enter the applicable hourly labor rate which will apply to any work ordered under this line item.

NOTE D - Option Item to which the clause 52.217-7 of this contract entitled "OPTION FOR INCREASED QUANTITY – SEPARATELY PRICED LINE ITEM" is applicable only if and to the extent said option is exercised.

NOTE E - (To be completed by the Government at the time of contract award): The total amount obligated on this contract at the time of contract award is \$ _____, which represents \$ _____ for the fixed price (as appropriate) of Item 0001 plus \$ _____ for any Option Items exercised at time of award.

[Modification 008]NOTE F – Establishment of CLIN 0029 and Sub-CLINs 0029AA and 0029AB and their use for the CLIN 0001 lead ship does not obligate the Government to establish award fee for optional ships in the event options to procure additional ships under CLINs 0008, 0015, and 0022 are exercised. Additionally the Contractor may not invoice against CLIN 0029 and Sub-CLINs 0029AA and 0029AB until the award fee is determined by the Fee Determining Official.[Modification 008][Modification 0020] The Contractor may not invoice against CLIN 0029 and Sub-CLINs 0029AC and 0029AD until the award fee for FSV40-2 is determined by the Fee Determining Official.[Modification 0020]

[Modification 0022] NOTE G – The Contractor shall not procure any long lead time materials under Sub-CLIN 0015AD [Modification 0029] or under sub-CLIN 0022AD [Modification 0029] unless and until receipt of a written Notice to Proceed from the Government. The Government reserves the right to obligate funding up to the value of

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Sub-CLIN 0015AD prior to exercise of Option Sub-CLINs 0015AA, 0015AB, 0015AC or 0015AE, if at all. Exercise of Option Sub-CLIN 0015AD does not obligate the Government to exercise Option Sub-CLINs 0015AA, 0015AB, 0015AC or 0015AE. Exercise of Option Sub-CLINs 0015AA, 0015AB, 0015AC and 0015AE is subject to availability of funds. [Modification 0029] The Government reserves the right to obligate funding up to the value of Sub-CLIN 0022AD prior to exercise of Option Sub-CLINs 0022AA, 0022AB, 0022AC or 0022AE, if at all. Exercise of Option Sub-CLIN 0022AD does not obligate the Government to exercise Option Sub-CLINs 0022AA, 0022AB, 0022AC or 0022AE. Exercise of Option Sub-CLINs 0022AA, 0022AB, 0022AC and 0022AE is subject to availability of funds.[Modification 0029]

NOTE H – In the event that sufficient funding to award CLIN 0015AA, CLIN 0015AB, CLIN 0015AC and CLIN 0015AE in their entirety is not available by January 31, 2005, the Government reserves the right to transfer any long lead materials procured under OPTION ALT. P, Sub-CLIN 0015AD plus any unexpended funds remaining under OPTION ALT. P, Sub-CLIN 0015AD, to OPTION ALT. S, Sub-CLIN 0022AD, with no termination cost for CLIN 0015, and with no increase in price or delay in delivery of CLIN 0022. The Government further reserves the right to obligate funding up to the value of Sub-CLIN 0022AD prior to exercise of Option Sub-CLINs 0022AA, 0022AB, 0022AC or 0022AE, if at all. Exercise of Option Sub-CLIN 0022AD does not obligate the Government to exercise Option Sub-CLINs 0022AA, 0022AB, 0022AC or 0022AE. Exercise of Option Sub-CLINs 0022AA, 0022AB, 0022AC and 0022AE is subject to availability of funds. [Modification 0022]

TYPE OF CONTRACT

This is a Fixed Price with Award Fee (FPAF) contract for supplies, with FPAF and Firm Fixed Price (FFP) ordering option items for supplies and services as described herein.

SECTION B

OPTION EXERCISE PERIODS

The Government reserves the right to exercise the options at the prices set forth in SECTION B of this contract for delivery as set forth in SECTION F of this contract. These options will be exercised (if at all), by written notice to the Contractor from the Contracting Officer which shall be forwarded on or before the last working day of the months shown below:

<u>ALTERNATIVE OPTION ITEMS</u>	<u>FY OPTION EXERCISE DATE</u>		
ALT. A -	0008, 0011, 0014	01	12
	MAC		
ALT. D -	0008, 0011, 0014	01	
	12	MAC	
0015, 0018, 0021	01	12	MAC
ALT. G -	0008, 0011, 0014	01	
	12	MAC	
0015, 0018, 0021	01		12
	MAC		
0022, 0025, 0028	01		12
	MAC		
ALT. B -	0008, 0011, 0014	02	24
	MAC		
ALT. E -	0008, 0011, 0014	02	
	24	MAC	
0015, 0018, 0021	02		24
	MAC		
ALT. H -	0008, 0011, 0014	02	
	24	MAC	
0015, 0018, 0021	02		24
	MAC		
0022, 0025, 0028	02		24
	MAC		
ALT. J -	0015, 0018, 0021	02	
	24	MAC	
ALT. L -	0015, 0018, 0021	02	
	24	MAC	
0022, 0025, 0028	02		24
	MAC		
ALT. N -	0022, 0025, 0028	02	24
ALT. C -	MAC		
	0008, 0011, 0014	03	
	36	MAC	
ALT. F -	0008, 0011, 0014	03	
	36	MAC	
0015, 0018, 0021	03		36
	MAC		
ALT. I -	0008, 0011, 0014	03	
	36	MAC	
0015, 0018, 0021	03		36
	MAC		
0022, 0025, 0028	03		36
	MAC		
ALT. K -	0015, 0018, 0021	03	
	36	MAC	
ALT. M -	0015, 0018, 0021	03	
	36	MAC	
0022, 0025, 0028	03		36
	MAC		

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ALT. O -		0022, 0025, 0028	03
		36 MAC	
ALT. P -		0015, 0018, 0021	04
		48 MAC	
ALT. Q -		0015, 0018, 0021	04
		48 MAC	
	0022, 0025, 0028	04	48
		MAC	
ALT. R -		0022, 0025, 0028	04
		48 MAC	
ALT. S -		0022, 0025, 0028	05
		60 MAC	

C.1 SECTION C STATEMENT OF WORK

SECTION C: DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

PART 1 - CONTRACT LINE ITEM DESCRIPTION

PART 2 - GENERAL REQUIREMENTS

PART 1 - CONTRACT LINE ITEM DESCRIPTION

GENERAL SCOPE OF WORK

The Contractor shall perform the Detail Design and Construction of the NOAA FRV-40 Class ship(s) at the Contractor's facility in accordance with:

- (a) The provisions of this contract;
- (b) The FRV-40 Technical Package dated September 14, 2000, included as Attachment J-1 hereto, hereinafter called the TP, which consists of a Statement of Requirements (SOR), Project Peculiar Documents (PPD), guidance documents, and all revisions and modifications thereto dated prior to the award of this contract; and
- (c) Other documents, exhibits, and attachments listed in SECTION J of this contract. In subtier references, the term "specifications" shall be replaced with the term "TP".

The Contractor shall perform the technical, procurement and other tasks necessary for the detail design and construction of the FRV-40 Class ship(s). The Contractor shall provide the management effort necessary to ensure the on-schedule completion of the detail design and construction including the preparation of all progress, cost, and work status reports required by the Data Requirements List (DRL), Attachment J-2. The Contractor shall identify and maintain visibility of all problems and potential problems arising during contract performance which could impact the on-schedule completion of the FRV-40 Class ship(s). The Contractor shall ensure the quality of all materials purchased and services performed under this contract satisfy all requirements of the contract and the TP.

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ITEM 0001 AND IF EXERCISED, OPTION ITEM(S) 0008, 0015 AND 0022 - DETAIL DESIGN AND CONSTRUCTION OF NOAA FRV-40 CLASS SHIP

Detail Design: The Contractor shall provide all engineering, design, technical and support efforts necessary for development of a complete and accurate technical description of the FRV-40 Class ship. This effort shall produce a detail design with descriptive documentation, which meets the requirements of the TP and which is adequate for use in ship construction, and for operation, maintenance and repair. The Contractor shall be responsible for the accuracy and adequacy of the detail design.

Construction: The Contractor shall construct one FRV-40 Class Fisheries Research Vessel in accordance with the detail design developed under Item 0001 of this contract. The Contractor shall satisfy any and all requirements of the TP. In accordance with the terms stated herein, the Contractor shall furnish all material or equipment required for the performance of this contract.

The Contractor shall conduct testing and trials as required by the TP and the contract.

The FRV-40 Class ship shall be capable of fully performing its mission as defined in the TP.

The Contractor shall provide to the Government a history of usage, material condition and maintenance of equipment that the Contractor has provided and installed on the vessel. This history shall document all usage, maintenance performed on the equipment, both corrective and preventative, indicating problems and solutions or corrections made. This history shall also include date of usage, maintenance, running hours, date and type of reconditioning or overhaul, date of receivership, name plate and configuration data, and whether such usage or age has so deteriorated the equipment as to impair its usefulness or safety.

The Contractor shall perform all supply support functions in accordance with the TP.

The Contractor shall provide Onboard Repair Parts (OBRPs), spares and shore-based spares as required by the SOR. The Contractor shall provide all necessary storage, and accomplish binning and loading of all specified material as well as material ordered against Items 0002, 0003, 0009, 0010, 0016, 0017, 0023 and 0024. All outfitting material shall be received, inspected, marked, sorted, segregated, stored, pre-binned, as necessary, and loaded on-board the ship prior to delivery. The Contractor shall process all spares, supplies, tooling, handling equipment, and other loose items aboard ship in accordance with the requirements in the SOR for care of the ship during construction.

The Contractor shall prepare and deliver data for Item 0001 (and if exercised, option Items 0008, 0015 and 0022) in accordance with the Data Requirements List (DRL), Exhibit A of the DRL.

Post Delivery Availability (PDA): Immediately following delivery, the ship will commence a thirty (30) calendar day Post Delivery Availability (PDA) at the Contractor's facility. During the PDA, the Contractor shall provide:

(a) berthing space pier-side for the ship, including the brow and landing platforms, as appropriate, with utilities from shore connections (electricity, fresh water, sewage disposal, and telephone connections), daily garbage removal, and material handling services;

(b) messing facilities for the ship's force personnel;

(c) at least five (5) convenient parking spaces, near the ship, for the ship's force personnel;

(d) fire protection; and

(e) access through the yard to the ship for authorized Government personnel, ship's force and their authorized visitors.

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IF EXERCISED, OPTION ITEM(S) 0002, 0009, 0016 AND 0023 - ADDITIONAL REPAIR PARTS, SPARES, SPECIAL TOOLS, AND SUPPORT AND TEST EQUIPMENT

The Contractor shall provide additional repair parts, spares, special tools, and support and test equipment as required by the SOR.

Orders for this effort shall be placed in accordance with the general requirements in Section C of this contract entitled "ORDERING ITEMS".

The price associated with the following are to be included in Item 0001 (and if exercised, option Item(s) 0008, 0015 and 0022) and not to be included in Item 0002 (and if exercised, option Item(s) 0009, 0016 and 0023):

- (i) Repair parts, special tools, and support and test equipment specifically required by SOR Sections other than Section 083b;
- (ii) All operating space items, spares and repair parts identified in Appendix 4/A of the ABS Rules for Building and Classing Steel Vessels.
- (iii) Adequate warehouse facilities to store and handle all Contractor Furnished (CF) material and equipment as it is received. OBRPs, spares, special tools, and support and test equipment shall be received, inspected, preserved, packaged and packed as necessary, and stored in accordance with the requirements of the SOR.

IF EXERCISED, OPTION ITEM(S) 0003, 0010, 0017 AND 0024 - OUTFITTING MATERIAL

The Contractor shall provide outfitting material as ordered by the Government and as listed in the Initial Outfitting List. Orders for this effort shall be placed in accordance with the general requirements in Section C of this contract entitled "ORDERING ITEMS".

ITEM 0004 AND IF OPTION ALTERNATIVES A THRU S ARE EXERCISED, ITEM(S) 0011, 0018 AND 0025 - LOGISTICAL DOCUMENTATION

The Contractor shall furnish Logistical Documentation in accordance with the SOR and the Data Requirements List (DRL), Exhibit B. In addition, the documentation required by SOR Section 083b/083c to support procurement of additional repair parts, spares, special tools, support and test equipment, and outfitting material shall be provided.

[Modification 0031]AS ORDERED, OPTION ITEM 0005 - ADDITIONAL GOVERNMENT REQUIREMENTS

[Modification 0033]The Contractor shall provide up to 2923 man-hours in labor and \$74,000 material to perform Additional Government Requirements in support of the FRV-40 Class ship #1. Additional Government Requirements are defined as any work authorized by the Contracting Officer that is required to support the FRV-40 Class ship #1. These requirements are over and above that specified in the TP. Orders for this effort shall be placed in accordance with the general requirements in SECTION C of this contract entitled "ORDERING ITEMS". The Contractor shall schedule performance of work so as to permit up to 2923 man-hours in labor and \$74,000 of material for ship #1 under this contract. The work to be performed shall consist of production related labor as ordered by the Government on Additional Government Requirements within the scope of this contract without causing delay or disruption to the work performed under this contract, or any other Government contract, or any other work in process for the Government. The stated material amount includes any applicable handling charges, storage, overhead, or other costs, plus profit.

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As used herein, the term "Additional Government Requirements" means work under this contract, ordered by the Contracting Officer pursuant to the procedures of the clause of this contract entitled "ORDERING ITEMS" and "CHANGES-FIXED PRICE" as mutually agreed by the parties under a Supplemental Agreement. Additional Government Requirements does not include performance of work for the correction of Contractor responsible defects pursuant to the clause of this contract entitled "INSPECTION".

Notwithstanding any provisions of the clause of this contract entitled "CHANGES - FIXED PRICE" or any other term and condition of this contract, adjustments in contract price by reason of Additional Government Requirements up to 2923 man-hours in labor and \$74,000 of material for ship #1 of work shall not include any amounts for cost of delay or disruption of work performed under this contract, any other Government contract or any other work in process for the Government. Additionally, the delivery schedule under this contract or any other Government contract shall not be extended by reason of or as a result of Additional Government Requirements up to 2923 man-hours in labor and \$74,000 of material.[Modification 0033][Modification 0031]

[Modification 0039]AS ORDERED, OPTION ITEM 0012 - ADDITIONAL GOVERNMENT REQUIREMENTS

The Contractor shall provide up to 2430 man-hours labor and \$99,015 material to perform Additional Government Requirements in support of the FRV-40 Class ship #2. Additional Government Requirements are defined as any work authorized by the Contracting Officer that is required to support the FRV-40 Class ship #2. These requirements are over and above that specified in the TP. Orders for this effort shall be placed in accordance with the general requirements in SECTION C of this contract entitled "ORDERING ITEMS". The Contractor shall schedule performance of work so as to permit up to 2430 man-hours of labor per ship #2 and \$99,015 of material per ship #2 under this contract. The work to be performed shall consist of production related labor as ordered by the Government on Additional Government Requirements within the scope of this contract without causing delay or disruption to the work performed under this contract, or any other Government contract, or any other work in process for the Government. The stated material amount includes any applicable handling charges, storage, overhead, or other costs, plus profit associated with the \$99,015 Government estimate. The amounts listed are provisional amounts only and do not represent a commitment that the Government will purchase any or all of these amounts.

As used herein, the term "Additional Government Requirements" means work under this contract, ordered by the Contracting Officer pursuant to the procedures of the clause of this contract entitled "ORDERING ITEMS" and "CHANGES-FIXED PRICE" as mutually agreed by the parties under a Supplemental Agreement. Additional Government Requirements does not include performance of work for the correction of Contractor responsible defects pursuant to the clause of this contract entitled "INSPECTION".

Notwithstanding any provisions of the clause of this contract entitled "CHANGES - FIXED PRICE" or any other term and condition of this contract, adjustments in contract price by reason of Additional Government Requirements up to 2430 man-hours of labor and/or \$99,015 for material per ship #2 of work shall not include any amounts for cost of delay or disruption of work performed under this contract, any other Government contract or any other work in process for the Government. Additionally, the delivery schedule under this contract or any other Government contract shall not be extended by reason of or as a result of Additional Government Requirements up to 2430 man-hours of labor and/or \$99,015 for material.[Modification 0039]

[Modification 0031]AS ORDERED, OPTION ITEM 0019 - ADDITIONAL GOVERNMENT REQUIREMENTS

The Contractor shall provide up to 4000 man-hours labor and \$92,000 material to perform Additional Government Requirements in support of the FRV-40 Class ship #3. Additional Government Requirements are defined as any work authorized by the Contracting Officer that is required to support the FRV-40 Class ship #3. These requirements are over and above that specified in the TP. Orders for this effort shall be placed in accordance with the general requirements in SECTION C of this contract entitled "ORDERING ITEMS". The Contractor shall schedule performance of work so as to permit up to 4000 man-hours of labor per ship #3 and \$92,000 of material per

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ship #3 under this contract. The work to be performed shall consist of production related labor as ordered by the Government on Additional Government Requirements within the scope of this contract without causing delay or disruption to the work performed under this contract, or any other Government contract, or any other work in process for the Government. The stated material amount includes any applicable handling charges, storage, overhead, or other costs, plus profit associated with the \$92,000 Government estimate. The amounts listed are provisional amounts only and do not represent a commitment that the Government will purchase any or all of these amounts.

As used herein, the term "Additional Government Requirements" means work under this contract, ordered by the Contracting Officer pursuant to the procedures of the clause of this contract entitled "ORDERING ITEMS" and "CHANGES-FIXED PRICE" as mutually agreed by the parties under a Supplemental Agreement. Additional Government Requirements does not include performance of work for the correction of Contractor responsible defects pursuant to the clause of this contract entitled "INSPECTION".

Notwithstanding any provisions of the clause of this contract entitled "CHANGES - FIXED PRICE" or any other term and condition of this contract, adjustments in contract price by reason of Additional Government Requirements up to 4000 man-hours of labor and/or \$92,000 for material per ship #3 of work shall not include any amounts for cost of delay or disruption of work performed under this contract, any other Government contract or any other work in process for the Government. Additionally, the delivery schedule under this contract or any other Government contract shall not be extended by reason of or as a result of Additional Government Requirements up to 4000 man-hours of labor and/or \$92,00 for material.[Modification 0031]

[Modification 0031]AS ORDERED, OPTION ITEM [Modification 0039][Modification 0039] 0026 - ADDITIONAL GOVERNMENT REQUIREMENTS[Modification 0031]

The Contractor shall provide up to 4000 man-hours labor and \$30,000 material to perform Additional Government Requirements in support of the FRV-40 Class ship(s). Additional Government Requirements are defined as any work authorized by the Contracting Officer that is required to support the FRV-40 Class ship(s). These requirements are over and above that specified in the TP. Orders for this effort shall be placed in accordance with the general requirements in SECTION C of this contract entitled "ORDERING ITEMS". The Contractor shall schedule performance of work so as to permit up to 4000 man-hours of labor per ship and \$30,000 of material per ship under this contract. The work to be performed shall consist of production related labor as ordered by the Government on Additional Government Requirements within the scope of this contract without causing delay or disruption to the work performed under this contract, or any other Government contract, or any other work in process for the Government. The stated material amount includes any applicable handling charges, storage, overhead, or other costs, plus profit associated with the \$30,000 Government estimate. The amounts listed are provisional amounts only and do not represent a commitment that the Government will purchase any or all of these amounts.

As used herein, the term "Additional Government Requirements" means work under this contract, ordered by the Contracting Officer pursuant to the procedures of the clause of this contract entitled "ORDERING ITEMS" and "CHANGES-FIXED PRICE" as mutually agreed by the parties under a Supplemental Agreement. Additional Government Requirements does not include performance of work for the correction of Contractor responsible defects pursuant to the clause of this contract entitled "INSPECTION".

Notwithstanding any provisions of the clause of this contract entitled "CHANGES - FIXED PRICE" or any other term and condition of this contract, adjustments in contract price by reason of Additional Government Requirements up to 4000 man-hours of labor and/or \$30,000 for material per ship of work shall not include any amounts for cost of delay or disruption of work performed under this contract, any other Government contract or any other work in process for the Government. Additionally, the delivery schedule under this contract or any other Government

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contract shall not be extended by reason of or as a result of Additional Government Requirements up to 4000 man-hours of labor and/or \$30,000 for material.

[Modification 0031]AS ORDERED, OPTION ITEM(S) 0006, 0020 AND 0027 - SPECIAL STUDIES FOR ITEM 0001 AND, IF EXERCISED, OPTION ITEM(S) 0015 AND 0022[Modification 0031]

In accordance with the clause entitled "ORDERING ITEMS" under Section C of this contract, the Contractor shall provide up to 5000 man-hours to conduct Special Studies in support of the Detail Design and Construction of the FRV-40 Class ship(s); including but not limited to studies related to improvements in operating efficiencies.

[Modification 0031]AS ORDERED, OPTION ITEM 0013 - SPECIAL STUDIES FOR ITEM 0008

In accordance with the clause entitled "ORDERING ITEMS" under Section C of this contract, the Contractor shall provide up to 6451 man-hours to conduct Special Studies in support of the Detail Design and Construction of the FRV-40 Class ship #2; including but not limited to studies related to improvements in operating efficiencies.[Modification 0031]

ITEM 0007, AND IF OPTION ALTERNATIVES A THRU S ARE EXERCISED, ITEM (S) 0014, 0021 AND 0028 - CREW FAMILIARIZATION

The Contractor shall provide a total of 200 hours of crew familiarization and equipment operation and maintenance seminars.

Crew Familiarization. The Contractor shall familiarize the ship's crew and other Government designated representatives on the operation and maintenance characteristics of the ship. This familiarization shall be primarily devoted to practical exercise (hardware oriented) supplemented with classroom seminars. The familiarization shall not exceed 120 hours and shall take place aboard the ship and at the Contractor or vendor's facility prior to delivery of the ship, subject to the approval of the Government.

The maximum number of attendees for any seminar shall not exceed 25. Attendees may be a combination of USCG licensed and unlicensed crew and other Government representatives. Attendance of each seminar shall be sized according to the type of familiarization presentation (i.e. "hands-on" or classroom) in order to achieve the objectives of the seminar.

Familiarization seminar topics shall include, as a minimum, the following:

1. Introduction to the ship
2. Propulsion system introduction
3. Dynamic Positioning System
4. Stability
5. Lifesaving and damage control (on-board)
6. Operation of the scientific systems, mission handling systems and trawling system
7. Fueling and ballasting
8. Fire fighting
9. Acoustic Characteristics

Equipment Operation and Maintenance Seminars. The Contractor shall conduct equipment operation and maintenance seminars. These seminars shall consist of both seminars and practical exercise (hardware oriented). The seminars shall not exceed a combined total of 80 hours and shall be conducted at either the Contractor's or vendor's facilities between Acceptance Trials and Ship Delivery, subject to approval of the Government. The hours associated with the seminars are in addition to the hours associated with crew familiarization. The maximum number of attendees for each seminar shall not exceed 25. Attendees may be a combination of USCG licensed and unlicensed crew and other Government designated representatives. Attendance for each class shall be sized according to the type of equipment presented in order to achieve the objectives of the seminar.

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Equipment operation and maintenance seminars shall, as a minimum, include the following:

1. Integrated Bridge System, including the Navigation Workstation, Voyage Management System and Ship Control Console
2. Auxiliary consoles
3. Machinery Control System (MCS)
4. Propulsion plant
5. Auxiliary equipment
6. Scientific sonars and instrumentation identified in SOR Sections 461 and 493
7. Mission handling and trawling system equipment identified in SOR Section 591
8. Noise critical equipment and associated acoustic features
9. Additional topics as proposed by the Contractor or Government

Familiarization Program Plan. The Contractor shall prepare a Familiarization Program Plan which shall include an instruction syllabus for each Crew Familiarization Seminar topic and each Equipment Operation and Maintenance Seminar topic. The Contractor shall maximize the use of existing documentation as instructional materials (e.g. equipment/system technical manuals, ship construction/equipment drawings, Engineer's Operating Manual). Copies of basic source documentation shall be available for attendees use during seminars.

Instructor Lesson Plans and Student Guides. The Contractor shall provide instructor lesson plans in lecture outline, demonstration, or question and answer (discussion) format, or any combination of these. Student Guides shall also be prepared. The Contractor shall prepare and deliver data associated with Crew Familiarization, if exercised, option Item(s) 0007, 0014, 0021 and 0028 in accordance with the Data Requirements List (DRL), Exhibit C of the DRL.