



Homeland
Security

Multibeam Update

United States
Coast Guard



Description	Summary	LDEO/CU	USCG
Purchase multibeam (2)	\$2,930,000		\$2,930,000
Shipyard installation (1)	\$1,000,000		\$1,000,000
(Installation growth estimate of 25%)	\$250,000		\$250,000
Acceptance testing (~20 days of ship time) (3)	\$2,840,000		\$2,840,000
(\$102K/DAFHP + fuel (Avg 10K gal fuel/DAFHP = \$40K/Day)	(Figures based on 300 DAFHP study - Apr07)		
Acceptance testing (labor)	\$90,000	\$90,000	(4)
Training and Education of operators, users & maintainers over time	\$60,000	\$60,000	(4)
Travel and subsistence	\$29,500	\$29,500	(4)
Data system integration (labor)	\$20,000	\$20,000	(4)
Data system integration (materials)	\$19,000	\$19,000	(4)
Total Cost	\$7,238,500		

- 1) Installation growth estimate for a complicated job (25%)
- 2) No Contingency
- 3) Days in addition to normal annual shakedown, spread over the year
(\$102K/DAFHP + fuel (Avg. 10K gal fuel/DAFHP = \$40K/Day)
- 4) Included in normal CG op support budget



Assistant Commandant for
Engineering and Logistics (CG-4)



Homeland Security

Timeline

United States Coast Guard



Activity Name	Start Date	Duration (Days)	Finish Date	2008				2009				2010				
				1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	
Engineering Change Request	6/15/04	0.00	6/15/04													
Market Research Study	4/1/07	0.00	4/1/07													
Installation Concept Study	8/8/97	0.00	8/8/97													
Procurement Process (CG)	6/13/08	110.00	10/1/08													
Design & Progress Reviews...	7/31/08	800.00	10/10/10													
Purchase multibeam	9/30/08	638.00	6/30/10													
FAT	4/30/09	3.00	5/3/09													
Hardware delivery	6/9/09	1.00	6/10/09													
Installation (Drydock)	9/1/09	122.00	1/1/10													
HAT (Harbor Acceptance)	1/1/10	3.00	1/4/10													
Shakedown	2/1/10	14.00	2/15/10													
Shallow water acceptance	3/31/10	5.00	4/5/10													
Deep water acceptance	5/31/10	4.00	6/4/10													
Shallow water eval (in ice)	7/1/10	5.00	7/6/10													
Deep water eval (in ice)	8/2/10	5.00	8/7/10													
				1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	



Assistant Commandant for Engineering and Logistics (CG-4)



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Sequence of Events

United States Coast Guard



Completed	Milestone	Start	Duration	End
Yes	Engineering Change Request (ECR) received			
Yes	Market Research Study			
Yes	Installation Concept Study			
Yes	Procurement Process Begins	May-08	6 mo	Oct-08
	Installation Specifications Written	Jan-08	6 mo	Jun-08
	Procurement of Multibeam	Oct-08	6-9 mo	Jun-09
	Begin installation planning with contractor	Oct-08	11 mo	Aug-09
	Multibeam delivered			Jun-09
	Dry Dock (Installation begins)	Sep-09	5 mo	Jan-10
	Underway Testing	Feb-10	1 mo	Feb-10



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