

APPROPRIATION OTHER PROCUREMENT, NAVY		BUDGET ITEM JUSTIFICATION SHEET					DATE February 2004	
BUDGET ACTIVITY 5: CIVIL ENGINEERING SUPPORT EQUIPMENT		LINE ITEM 602400	P-1 ITEM NOMENCLATURE CONSTRUCTION AND MAINTENANCE EQUIPMENT				SUBHEAD K5XH	
	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	
QUANTITY								
COST (in millions)	12.8	25.0	19.2	20.2	21.1	20.7	19.6	

This P-1 line is for equipment used for a variety of construction, maintenance, and repair operations. This equipment is used by shore activities and the Naval Construction Force (NCF), Naval Beach Group, Maritime Prepositioning Force, and other Special Operating Units, in support of advance bases and camp sites. The following are types and uses of equipment:

EARTH MOVING EQUIPMENT - equipment such as ditching machines, excavators, graders, wheeled and tracked loaders, rollers, compactors, scrapers, off-highway dump trucks, crawler tractors, and industrial tractors. This equipment constitutes the backbone of the Naval Construction Force (NCF) in meeting their advanced base construction mission. Dependable earth moving equipment in the fleet and shore inventories is required for the building and renovation of runways and roads, demolition activities at old building sites, and underground utilities excavation. This line also provides earth moving equipment for shore activities to support both scheduled and emergency base maintenance functions.

MISCELLANEOUS CONSTRUCTION EQUIPMENT- equipment used for a variety of construction purposes. There are four major categories of miscellaneous construction equipment:

General mix, batch, concrete and asphalt working equipment - equipment such as portable concrete mixers, rock crushers, asphalt and water distributors, aggregate spreaders, and asphalt and rubberized compound heating kettles are used to provide aggregate materials for asphalt mixing plants and concrete batching plants. Used by the NCF to provide advance base and forward port facility construction and for runway, taxi apron, and work area paving projects. Also supports shore activities' small construction/maintenance needs such as foundations, sidewalks, curbs and gutters and for repaving/repairing streets and parking lots.

Air compressors and drilling operations equipment - portable air compressors of various sizes and capacities for construction and maintenance projects; rock drills for quarry production; pile hammers and extractors for construction, repair, and disassembly of causeways, docks, piers, and wharves; earth augers to support electrical distribution and communications systems; well drilling machines to supply water in support of Marine Corps contingencies and construction battalions at camp sites and advance bases.

Floodlights and generators - portable floodlight trailers (with 6kW generators), used by the NCF to provide light for around-the-clock construction efforts, and shore facilities to provide light for maintenance, repair, and other nighttime operations; generators used as portable power to support items such as power tools to runway lighting and backup systems for electrical power distribution. This equipment is part of the DOD Mobile Electric Power Program (PM-MEP) which provides reliable standardized generators for all DOD components.

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Grounds/other miscellaneous maintenance - welders, sweepers, sewer cleaners, decontamination apparatus, snowplows, machine shop trailers, and railway maintenance equipment. Equipment is used for a variety of maintenance, repair and construction operations and for purification and decontamination of personnel and equipment.

CRANES (WEIGHT HANDLING EQUIPMENT) - truck or wheel-mounted cranes, straddle lifts, and crawler cranes. Truck mounted cranes have either lattice or hydraulic booms and range in size from 25 to 150 tons. Wheel-mounted cranes have hydraulic booms and range in size from 8 to 90 tons. Crawler cranes are used primarily for drag line and clam shell operations on terrain inaccessible with truck or wheel-mounted cranes. Amphibious Construction Battalions (PHIBCBs) use wheel-mounted hydraulic cranes and crawler cranes in over-the-beach operations and on elevated causeways (ELCAS). Shore activities use cranes of various sizes and configurations (from 15 to 150 tons) to load/unload ships with aircraft, supplies, ammunition, and other heavy materials and for a variety of other industrial and maintenance functions.

The requested FY 2005 funds provide replacement of 204 units and will result in a projected inventory where 2,155 or 54.5% will be within economic replacement criteria.

Funding allocated for the procurement of reserve equipment is displayed on the P-5R. Delivery schedules displayed on the P-5A are representative of the delivery schedules for reserve equipment.

APPROPRIATION OTHER PROCUREMENT, NAVY	PROGRAM COST BREAKDOWN	DATE FEBRUARY 2004
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TOTAL COST IN THOUSANDS OF DOLLARS

COST CODE	ELEMENT OF COST	IDENT CODE	FY 2003		FY 2004		FY 2005	
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
XH56A	EARTHMOVING	A	16	4,688	101	14,842	54	8,799
XH56B	MISC. CONSTRUCTION	A	194	4,261	141	4,871	138	3,833
XH56C	CRANES	A	13	3,817	12	4,253	12	5,547
XH56D	ILS SUPPORT COST	A		26		1,019		1,018
	TOTAL		223	12,792	254	24,985	204	19,197

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APPROPRIATION OTHER PROCUREMENT, NAVY	PROGRAM COST BREAKDOWN	DATE FEBRUARY 2004
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TOTAL COST IN THOUSANDS OF DOLLARS

COST CODE	ELEMENT OF COST	IDENT CODE	FY 2003		FY 2004		FY 2005	
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
XH56B	MISC. CONSTRUCTION	A	1	14	16	343	3	30
	RESERVES TOTAL		1	14	16	343	3	30

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RESERVES

EXHIBIT P-5R

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LINE ITEM/ FISCAL YEAR	CONTRATOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (\$000)	SPECS AVAIL NOW	SPEC REVISION REQUIRED	IF YES, WHEN AVAILABLE
XH56A	EARTHMOVING									
FY03	VARIOUS	MIPR/FP	DSCP/GSA	Feb 03	Aug 03	16	36-413	YES	NO	
FY04	Unknown	MIPR/FP	DSCP/GSA	Apr 04	Aug 04	101	33-400	YES	NO	
FY05	Unknown	MIPR/FP	DSCP/GSA	Apr 05	Aug 05	54	33-406	YES	NO	

REMARKS		Most Recent Award				2004		2005	
Description	Contractor	Location	Date	U/P	QTY	U/P	QTY	U/P	
SCOOP LOADER SKID STEER	GAITHERS	GATHERSBURG, MD	DEC 03	32,898	3	32,898	1	33,391	
CRAWLER TRACTOR DIESEL ENGINE DRIVEN:									
105 HORSE POWER STRAIGHT BLADE ROPS AIR TRANSPORTABLE	CATERPILLER	PEORIA, IL	MAR 02	144,830	8	148,625	2	150,855	
140 HORSE POWER ANGLE BLADE	DEERE	MOLINE, IL	APR 96	107,273	1	118,258	1	120,038	
195 HORSE POWER SEMI-U BLADE WINCH RIPPER	MKT SURVEY		APR 02	315,000	3	323,253	2	328,104	
195 HORSE POWER STRAIGHT BLADE WATER FORDING	CATERPILLAR	PEORIA, IL	DEC 00	324,441	3	336,348			
EXCAVATORS DIESEL ENGINE DRIVEN:									
CRAWLER MOUNTED PAVEMENT BREAKER WITH BUCKETS	DEER	MOLINE, IL	SEP 02	188,703	5	193,647	4	196,553	
ROAD GRADER 12 FOOT BLADE SCARIFIER:									
DIESEL ENGINE DRIVEN	CHAMPION	ONTARIO, CANADA	APR 99	93,096	1	98,915	1	100,395	
ROLLER:									
MOTORIZED COMPACTOR SELF-PROPELLED	CATERPILLAR	PEORIA, IL	AUG 96	57,434	3	63,315	6	64,269	
ROAD VIBRATORY PNEUMATIC TIRED 1 DRUM ENCLOSED CAB AIR TRANSPORTABLE	CAT	PEORIA, IL	DEC 00	102,200	19	105,951	5	107,535	
SCOOP LOADERS TRACKED:									
2 1/2 CUBIC YARD BUCKET OPEN ROPS	CATERPILLAR	PEORIA, IL	MAR 02	195,433	7	200,553	8	203,563	

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EXHIBIT P-5A

APPROPRIATION OTHER PROCUREMENT, NAVY	BUDGET PROCUREMENT HISTORY & PLANNING	DATE FEBRUARY 2004
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BUDGET ACTIVITY 5: CIVIL ENGINEERING SUPPORT EQUIPMENT	P-1 ITEM NOMENCLATURE CONSTRUCTION AND MAINTENANCE EQUIPMENT	SUBHEAD K5XH
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SCOOP LOADERS WHEELED:

4X4 NON-STANDARD	DEERE	MOLINE, IL	MAR 02	175,465	2	180,062	3	182,764
1 1/2 CUBIC YARD BUCKET	DEERE	MOLINE, IL	NOV 00	63,206			1	66,505
FOUR-IN-ONE BUCKET, FORKS AND BACKHOE AIR TRANSPORTABLE	MKT SURVEY		JUN 00	160,050	1	167,972		
2 1/2 CUBIC YARD BUCKET, FORKS	CATERPILLAR	MOLINE, IL	JUN 98	109,755	1	118,052		
TOOL CARRIER 4X4 MULTIPURPOSE BUCKET	MKT SURVEY		APR 02	121,000	11	124,170	12	126,034
LOADER SCOOP WHLD 2-1/2 CY MP EC	CASE	RACINE, WI	FEB 01	144,308	5	149,604	3	151,841

SCRAPER-TRACTOR DED 4X2 14-18 CY ROPS:

SCRAPER-TRACTOR DED 4X2 14-20 CY EC	CATERPILLAR	PEORIA, IL	JUL 03	394,111	6	399,550	4	405,540
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WHEELED TRACTOR INDUSTRIAL:

60 HORSE POWER 4X2 POWER TAKE OFF 3 POINT HITCH DRAWBAR		GAITHERSBURG, MD	NOV 00	42,554	3	44,116	1	44,775
60 HORSE POWER 4X2 LOADER 1 CUBIC YARD BACKHOE	MKT SURVEY		DEC 03	83,081	18	83,081		
90 HORSE POWER 4X4 1 1/2 CUBIC YARD FRONT END LOADER AND BACKHOE	GAITHERS	GAITHERSBURG, MD	DEC 03	54,379	1	54,379		

LINE ITEM/ FISCAL YEAR	CONTRATOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (\$000)	SPECS AVAIL NOW	SPEC REVISION REQUIRED	IF YES, WHEN AVAILABLE
XH56B	MISC. CONSTRUCTION									
FY03	VARIOUS	MIPR/FP	DSCP/GSA	Feb 03	Aug 03	194	2-39	YES	NO	
FY04	Unknown	MIPR/FP	DSCP/GSA	Apr 04	Aug 04	141	6-425	YES	NO	
FY05	Unknown	MIPR/FP	DSCP/GSA	Apr 05	Aug 05	138	3-189	YES	NO	

REMARKS Description	Most Recent Award				2004		2005	
	Contractor	Location	Date	U/P	QTY	U/P	QTY	U/P

APPROPRIATION		BUDGET PROCUREMENT HISTORY & PLANNING						DATE	
OTHER PROCUREMENT, NAVY								FEBRUARY 2004	
BUDGET ACTIVITY			P-1 ITEM NOMENCLATURE					SUBHEAD	
5: CIVIL ENGINEERING SUPPORT EQUIPMENT			CONSTRUCTION AND MAINTENANCE EQUIPMENT					K5XH	
DISTRIBUTOR WATER TRK MTD COMM	MKT SURVEY		APR 01	120,400			1	126,685	
AIRFIELD/RUNWAY VACUUM SELF-PROPELLED HI-SPEED BLOWER AND SUCTION HOOD	MARYLAND IND INC	LINTHICUM, MD	DEC 03	130,129	3	130,129	4	132,081	
AIRFIELD SNOWPLOW ROLLOVER TRUCK MTD 4X4 10 FT PLOWING WIDTH 5 CY	OSHKOSH	OSHKOSH, WI	FEB 02	180,988	1	185,730	1	188,517	
UBM-240 ULTIMATE BUILDING MACHINE	MKT SURVEY		DEC 03	425,000	4	425,000			
AIR COMPRESSOR DIESEL ENGINE DRIVEN:									
250 CUBIC FOOT MINUTE	INGERSOLL	MOCKSVILLE, NC	FEB 03	14,364	2	14,562	3	14,781	
365 CUBIC FOOT MINUTE	INGORSOLL	MOCKSVILLE, NC	JAN 01	20,168	1	20,908	2	21,221	
750 CUBIC FOOT MINUTE	INGORSOLL	MOCKSVILLE, NC	FEB 02	38,880	4	39,899			
ARC WELDER DIESEL ENGINE DRIVEN (DED):									
300 AMP TRAILER MOUNTED DUAL CURRENT	LINCOLN	HERNOON, VA	APR 99	9,804	3	10,417	1	10,573	
300 AMP TRAILER MOUNTED TIG CAPABILITY	WELD WORLD	BALTIMORE, MD	DEC 00	17,412	7	18,051	11	18,321	
CENTRIFUGAL PUMP:									
135 GALLONS PER MINUTE SKID MOUNTED DED	MACH II		AUG 03	6,711			3	6,906	
500 GALLONS PER MINUTE SALTWATER/TRASH WHEEL MOUNTED GED	PROSSER-ENPO	CHICAGO, IL	MAY 92	11,029	4	12,772			
CLEANER:									
WATER HIGH PRESSURE 1000 PSI	ALKOTA	ALCESTER, SD	AUG 02	3,067			1	3,195	
SEPTIC TANK/CESSPOOL TRUCK MOUNTED	ELLIOTT	GALION, OH	DEC 95	52,820			2	59,106	
CONCRETE MIXER:									
WHEEL MOUNTED 11 CUBIC FOOT	STONE CONT	ROCK HILL, SC	JUL 03	5,766	5	5,846	7	5,933	
FLOODLIGHT SET TRAILER MOUNTED:									
6 KW WITH FOUR 1 KW LUMINARIAS	INGERSOLL	MOCKSVILLE, NC	FEB 02	10,550	52	10,826	21	10,989	
GENERATOR SET SKID MOUNTED DIESEL ENGINE:									
5 KILOWATT MEP802A	FREMONT		SEP 02	11,815	2	12,125	4	12,307	
10 KILOWATT MEP803A	DYNAMICS	BRIDGEPORT, CT	MAR 02	13,320			1	13,874	

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15 KILOWATT MEP804A	DYNAMICS	BRIDGEPORT, CT	MAR 97	11,341	4	12,349	3	12,535
10 KILOWTT COMMERCIAL	MKT SURVEY		APR 02	12,900			4	13,437
30 KILOWATT MEP805A	MCII	BRIDGEPORT, CT	FEB 03	25,156	22	25,503	38	25,886
60 KILOWATT COMMERCIAL	AVIATION	FREEPORT NY	DEC 03	34,085	3	34,085	2	34,596
60 KILOWATT MEP806A	MCII	BRIDGEPORT, CT	FEB 03	28,908	21	29,307	26	29,746
MAINTENANCE PLATFORM SELF-PROPELLED GED:								
50-110 FOOT TELESCOPING BOOM	JLG IND	SHADY GROVE, PA	JAN 02	98,191			1	102,276
SWEEPERS:								
VACUUM STREET SELF-PROPELLED TRUCK MOUNTED DED	ALT INT	SILVER SPRING, MD	DEC 03	94,352	3	94,352	2	95,767

LINE ITEM/ FISCAL YEAR	CONTRATOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (\$000)	SPECS AVAIL NOW	SPEC REVISION REQUIRED	IF YES, WHEN AVAILABLE
XH56C	CRANES									
FY03	VARIOUS	MIPR/FP	DSCP/GSA	Jan 03	Jul 03	13	551-911	YES	NO	
FY04	Unknown	MIPR/FP	DSCP/GSA	Apr 04	Jul 04	12	291-774	YES	NO	
FY05	Unknown	MIPR/FP	DSCP/GSA	Apr 05	Jul 05	12	307-559	YES	NO	

REMARKS Description	Contractor	Most Recent Award			U/P	2004		2005	
		Location	Date	QTY		U/P	QTY	U/P	
CRANE CRAWLER MOUNTED CLAM BUCKET/ DRAGLINE 40 TON 50 FOOT BOOM	LINK-BELT	LEXINGTON, KY	MAR 02	431,658				5	449,615
STRADDLE-CARRY 150 TON 4 DUAL PNEUMATIC MARINE/TR TIRED			JUN 91	429,970				1	511,621
CRANE WHL MTD SWING CAB 4X4 90 TON	MKT SURVEY		96	702,105		1	774,001		
CRANES TRUCK MOUNTED 2-ENGINE HYDRAULIC:									

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40 TON CAPACITY	GROVE	SHADY GROVE, PA	FEB 00	495,084	1	519,591	2	527,363
40 TON CAPACITY	LINK-BELT	LEXINGTON, KY	JAN 03	287,270	8	291,234		
CRANES WHEEL MOUNTED 4X4:								
SWING CAB 50 TON CAPACITY	TEREX	CONWAY, SC	FEB 02	319,228	2	327,592		
SWING CAB 30 TON CAPACITY	TEREX	CONWAY, SC	JAN 00	288,269			2	307,064
SWING CAB 65 TON CAPACITY	MKT SURVEY		JUN 00	525,000			2	559,230

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APPROPRIATION OTHER PROCUREMENT, NAVY	REQUIREMENTS STUDY						DATE FEBRUARY 2004			
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FY04										
ELEMENT OF INVENTORY OBJECTIVE	CURRENT WITHIN ECONOMIC LIFE CYCLE	DUE IN FROM FY03 & PRIOR	PLANNED FY04 PROGRAM	CURRENT WITHIN DOD ECON RPL CRITERIA	PLANNED DISPOSALS	TOTAL ASSETS	RETAINED ASSETS WITHIN DOD ECON RPL CRITERIA	INVENTORY OBJECTIVE	NET POSITION	

CONSTRUCTION AND MAINTENANCE EQUIPMENT

ACTIVE	810	174	185	1,872	1,611	1,430		547	1,430	0
MPS	212	0	14	88	103	211		2	168	43*
RESERVE SHORE	6	0	1	43	6	44		38	57	-13
SELECTED RESERVES	602	58	15	785	0	1,460		920	2,100	-640
SHORE	245	51	39	522	42	815		556	838	-23

* Assets exceed inventory objective due to requirement to pre-stage equipment at port to replace assets off-loaded from the ships.

FY05										
ELEMENT OF INVENTORY OBJECTIVE	CURRENT WITHIN ECONOMIC LIFE CYCLE	DUE IN FROM FY03 & PRIOR	DUE IN FROM FY04 PROGRAM	PLANNED FY05 PROGRAM	CURRENT WITHIN DOD ECON RPL CRITERIA	PLANNED DISPOSALS	TOTAL ASSETS	RETAINED ASSETS WITHIN DOD ECON RPL CRITERIA	INVENTORY OBJECTIVE	NET POSITION

CONSTRUCTION AND MAINTENANCE EQUIPMENT

ACTIVE	810	174	185	176	1,872	1,787	1,430		535	1,430	0
MPS	212	0	14	2	88	118	198		4	168	30*
RESERVE SHORE	6	0	1	0	43	6	44		39	57	-13
SELECTED RESERVES	602	58	15	3	785	0	1,463		1,015	2,100	-637
SHORE	245	51	39	23	522	63	817		562	838	-21

* Assets exceed inventory objective due to requirement to pre-stage equipment at port to replace assets off-loaded from the ships.

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