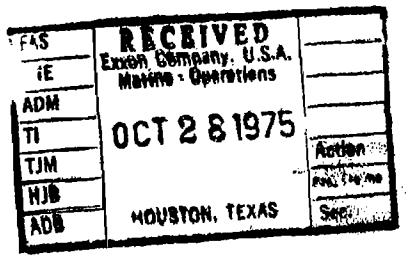
Newport News Shipbuilding
A Tenneco Company

4101 Washington Avenue
Newport News, Virginia 23607
(804) 247-2000

October 24, 1975



Exxon Company, U.S.A.
Marine Division
P. O. Box 1512
Houston, Texas 77001

Attention: Mr. Harvey J. Borgen

Subject: S.S. EXXON WASHINGTON

Gentlemen:

Enclosed herewith for your budget purposes are order-of-magnitude itemized prices totaling $212,501.00 covering the repair specifications for subject vessel, items 1 thru 125 excluding cancelled items 20, 40, 46, 51, 70, 75, 83, 85, 86, 92, 93, 95 and 111. The breakdown for this estimated price is as follows:

Material	$22,297.00
Labor Manhours	(15,480 M.H.)
Overtime Hours	(1,300 M.H.)
Tugs	2,376.00

We estimate that the above work can be accomplished in fourteen (14) calendar days by working the overtime on a selective basis such as the piping (ship and shop work), the (12) winches, main turbines H.P. and L.P. and the (2) generator turbines and gears being the controlling jobs. Two (2) additional days might be saved by working an additional 2,000 man hours on Saturdays. Completion of all items depend on availability of materials.

We anticipate arrival of the vessel at the Yard on or about October 31, 1975.

Very truly yours,

NEWPORT NEWS SHIPBUILDING AND DRY DOCK COMPANY

W. O. Whitaker, Jr.
Manager of Ship Repair Estimating

WOWJr/tmf
Enclosure

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4101 Washington Avenue
Newport News, Virginia 23607
(804) 247-2000

October 24, 1975

618-E

S.S. EXXON WASHINGTON

Itemized Prices

	Title	Price
1.	Gas Free - 902	$ 1,000.00
2.	Slop Oil Disposal - 902	9,130.00
3.	Safety Precautions - Coated Materials - 905	Cov.
4.	Tug Service - 905	2,376.00
5.	Lines and Gangways - 905	1,500.00
6.	Firemain - 905	250.00
7.	Shore Power - 905	1,175.00
8.	Shore Steam - 905	680.00
9.	Watchman - 905	2,600.00
10.	Garbage - 905	660.00
11.	Telephones - 905	415.00
12.	Heat Lamps - 805	970.00
13.	Main Turbine - HP and LP Units - 26500 HP - 201 - ABS Survey	25,000.00
14.	Main Reduction Gears - 205 - ABS Survey	985.00
15.	Two (2) Generator Turbines and Gears - 750 KW Delaval - 240 - ABS Survey	19,000.00
16.	Feed Pump Warren - Size 4-TMH-6, GPM 660 - 207 - ABS Survey	7,200.00
17.	Centrifugal Pumps - Warren - 209 - ABS Survey	13,900.00
18.	Metal Framed Doors - 102	1,370.00
19.	Deckhead of Pumpmans Workshop Aft of Midship House - 102	2,180.00
20.	Pumproom Blower Motor - 102 - CANCELLED	-
21.	Tricing Gear - Fwd Davit #4 Lifeboat - 108	150.00
22.	Foam Line - Midship Square - 109	2,400.00
23.	Steam Smothering System Fwd Pumproom - 111	1,000.00
24.	Steam Smothering Line to Stbd Fuel Oil Settler Tank - 111	310.00
25.	Insurance Towing Cable and Reel - 113	620.00

	Title	Price
26.	#8 Mooring Winch - 114	$ 1,500.00
27.	#9 Mooring Winch - 114	745.00
28.	#10, 11, and 12 Winches (Poop Deck) - 114	2,170.00
29.	#6 Mooring Winch - 114	3,525.00
30.	Brake Operation Linkage - 114	3,400.00
31.	#7 Mooring Winch - 114	1,375.00
32.	#3 Mooring Winch - 114	700.00
33.	#4 Mooring Winch - 114	1,320.00
34.	#5 Mooring Winch - 114	3,515.00
35.	#1 Mooring Winch - 114	3,315.00
36.	#2 Mooring Winch - 114	2,825.00
37.	Propeller Rope Guard and Ring - 116	1,175.00
38.	Mooring Winch #2 - Forecastle Deck - 117	1,160.00
39.	Exhaust Line Hangers - 117	620.00
40.	Leslie Deck Exhaust Valve - 117 - CANCELLED	-
41.	Deck Winch Steam and Exhaust Line Expansion Joints for Steam Lines 3" Pipe - 117	4,835.00
42.	Exhaust Lines 5" Pipe Mooring Winches - 117	2,930.00
43.	Deck Steam Exhaust Line (Engine Room, Port Side) - 117	2,970.00
44.	Deck Exhaust Line - 117	1,450.00
45.	Mooring Winch #9 - Aft Deck - 114	725.00
46.	Steam Valves to Stripper Pumps - 405 - CANCELLED	-
47.	Deck Steam Line, Forward Pumproom - Forward Bulkhead Spool Piece - 117	675.00
48.	Deck Exhaust Line in CO2 Room - 117	920.00
49.	Forecastle Head Hatch to Fwd Bosun Stores - 120	355.00
50.	Midship House fore and Aft, Port and Stbd Watertight Doors - 120	1,720.00
51.	Fire Line 8" Gate Valves - 123 - CANCELLED	-
52.	Shore Heating Steam Connection Valves - 227	460.00
53.	Bulkhead Leaks - 127	1,600.00
54.	Aft Bulkhead Pumpmans Workshop - 127	270.00
55.	Bulkhead Leak - 127	780.00
56.	Bulkhead Penetration - 127	555.00
57.	Bulkhead Penetration - 127	1,250.00
58.	Midship Square Bulkhead - 127	815.00
59.	Fwd Pumproom Bhd - 127	750.00
60.	Bulkhead Fwd Port Cofferdam - 127	400.00
61.	Fire Line Bulkhead Penetration - Midship's - Pumpman's Locker - 127	750.00

	Title	Price
62.	Handrail - Main Deck - Fwd Stbd - Opposite "K" Riser - 128	$ 100.00
63.	#1 Center Cargo Tank Ladder Bracket - 128	130.00
64.	#9 Center Cargo Tank Ladder - 128	270.00
65.	Handrail Stanchion - Portside - #8 Wing Tank - 128	140.00
66.	#3 Center Cargo Tank - Ladder Handrails - 128	135.00
67.	Handrails - 128	900.00
68.	Ladder Tread Renewals - 128	270.00
69.	Ladder Platform - 128	550.00
70.	Deck Air Line - 131 - CANCELLED	-
71.	Pipe Support Hangers - 131	170.00
72.	"A" Frame (9th Aft of Midships) - 131	620.00
73.	Cooling Water Line at 30# Reducing Station by #1 Feed Pump - 207	220.00
74.	Fire Pump - 212	6,400.00
75.	Manifold for Fire Pump - 212 - CANCELLED	-
76.	Drinking Waterline Bulkhead Penetration - Midship's Pumpman's Locker - 224	310.00
77.	Soil Piping - Midship's - Main Deck - 223	2,200.00
78.	35 PSI Line to Generator, Cargo Pumps, Feed Pumps for Cooling Replacement Sanitary Line - 223	1,100.00
79.	Boiler Bottom Blow Lines - 227	610.00
80.	#1 Generator 20" Exhaust Valve - 223	1,180.00
81.	Patches on Ventilation - 241	390.00
82.	Ventilation Supply System #18 - Machine Shop, Fireroom, and Shaft Alley - 241	605.00
83.	Domestic Water Tanks - Port and Starboard - 224 - CANCELLED	-
84.	Fuel Oil Bunker Fill Line - 226 - CANCELLED	-
85.	Bunker Fill Line - Adjacent to Aft Pump Room - 226 - CANCELLED	-
86.	Replacement Fuel Oil Transfer Pump Discharge Line - 226 - CANCELLED	-
87.	Fuel Oil Meter - 226	775.00
88.	Engine Room Fuel Oil Suction Pipe - Bilges Starboard Side - 226	1,340.00
89.	Collection Drain Line (In Engine Room by Emergency Fuel Oil Pump Under Gear Casing) - 228	1,370.00
90.	Fireroom Ventilation Duct Work - 236	2,270.00
91.	Alnor Superheat Temperature Indicator - 307	835.00
92.	Fire Room Boiler Force Draft Fan Ducts - 310 - CANCELLED	-

	Title	Price
93.	Valves - Engine Room - 317 - CANCELLED	$ -
94.	Valve Replacement - Engine Room - 317	350.00
95.	Lower Engine Room, Number 2 and 3 Cargo Pump Turbine Atmosphere Exhaust Valves - 402 - CANCELLED	-
96.	Manifold for Bilge and Ballast Pump (Forward Pump Room) - 404	2,770.00
97.	Aft Pumproom Bilge Suction Line from Manifold on Port Stripper Pump - 407	860.00
98.	Cargo Pipe Renewal - 407	16,000.00
99.	Cargo Line Discharge Riser - 407	3,200.00
100.	Cofferdam Overboard Discharge Valve Stand - 407	200.00
101.	8" Stripper Line #7 Stbd Cargo Tank - 407	1,350.00
102.	"Y" Hose Connection on "Alpha" Riser Portside Main Cargo Manifold - 407	250.00
103.	Vent Line Bracket - 408	250.00
104.	Vent Line Port Fwd King Post - 408	1,940.00
105.	Vent Line - 408	1,920.00
106.	Vent Line - 408	2,045.00
107.	6" Ullage Openings #9 and #10 Stbd Wing Tanks - 408	260.00
108.	Vent Line - 408	620.00
109.	Vent Line Pipe to #2 Port Wing Tank - 408	980.00
110.	Fix Tank Washing Pipe for Fwd Machine for #4 Stbd Wing Tank - Midship's - Stbd (Tunnel) Way - 415	265.00
111.	Rudder Angle Indicator - After Steering Station - 601 - CANCELLED	-
112.	Radio Room Voice Tube - 601	400.00
113.	Main Antenna Junction Box Aft End Bridge Deck - 605	60.00
114.	Domestic Refrig. Chill Box Door - 701	680.00
115.	Air Conditioning Fan Rooms - Aft Boat Deck - Port and Starboard - 702	1,720.00
116.	Wire Conduits (Three) Into Aft Bulkhead of Forward Pumproom - 809	710.00
117.	Flood Light Bracket Supports - 811	2,015.00
118.	Floor Plating Under Make-Up Evaporator - 102	400.00
119.	Ladder From Boat Deck to Diesel Tank Deck - 128	985.00
120.	Main Circulator Suction Line - 223	270.00
121.	Turbine Drain Line to Main Condenser - 225	285.00

	Title	Price
122.	Wash Water Filling Line - 227	$ 530.00
123.	Auxiliary Exhaust Line - 228	270.00
124.	Atmospheric Drain Tank - 228	810.00
125.	Stbd Air Conditioning Suction Louver - 702	790.00
	TOTAL	$212,501.00

10/31/75

Per Bill Ingham

#s		
	126	$1360
	127	1820
	128	1725
	129	1600
	130	735
	131	1360
	132	2530
	133	1580
	134	940
	135	870
	136	420
	137	520
	138	400
	139	1160
	141	220
	145	5200
	146	2830
	147	770
	149	660
	150	395
	151	1050
	152	2600
	153	1130

#s		
	154	$260
	155	1525
	156	330
	159	935
	160	110
	161	9,360
	162	800
		$45,195

163 to 186

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