

MOLE PIER FENDER -- REPAIR MATRIX

Ver 2 Jan 21

NAVFAC PUBUC WORKS- Key West, Florida

Task	Fender # (corresponding to location map)																				On land Units- not in water			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	475 Inner Pier	400 Inner Pier	325 Outer Pier	250 Inner Pier	175 Inner Pier	125 Inner Pier	50 Outer Pier	25 Outer Pier	100 Outer Pier	175 Outer Pier	250 Outer Pier	325 Outer Pier	375 Outer Pier	450 Outer Pier	550 Outer Pier	400 Outer Pier	275 Outer Pier	175 Outer Pier	25 Outer Pier	1373 Outer Pier	on land	on land	on land	on land
Pad eye Bracket																								
Side #1																								
Threaded rods-- replace																								
Threaded rods-- clean and coat																								
Nuts on all 4 anchor rods-- replace																								
Nuts on all 4 anchor rods-- clean and coat																								
Bracket plate-- replace																1	1	1	1	1	1			
Bracket plate-- Clean and coat																					1			
Side #2																								
Threaded rods-- replace																								
Threaded rods-- clean and coat																								
Nuts on all 4 anchor rods-- replace																								
Nuts on all 4 anchor rods-- clean and coat																								
Bracket plate-- replace																1	1	1	1	1	1			
Bracket plate-- Clean and coat																					1			
Jewelry (chains and shackles)																								
Side #1																								
Shackle (at pad eye bracket)-- replace	1	1		1	1	1	1	1	1	1	1			1	1	1	1	1	1	2	1	1	1	1
Chain from pad to fender--replace													1	1	1	1	1	1	1	2	1	1	1	1
Shackle (at fender)-- replace														1	1	1	1	1	1	2	1	1	1	1
Side #2																								
Shackle (at pad eye bracket)-- replace	1	1		1	1	1	1	1	1	1	1	1		1	1	1	1	1	1	2	1	1	1	1
Chain from pad to fender--replace														1	1	1	1	1	1	2	1	1	1	1
Shackle (at fender)-- replace														1	1	1	1	1	1	2	1	1	1	1
Fender																								
Side #1																								
End fitting -- replace	1	1					1	1	1	1						1	1						1	
End fitting -- Clean and coat			1	1	1	1					1	1		1										
Side #2																							1	
End fitting -- replace	1	1				1	1	1	1	1	1					1	1							
End fitting -- Clean and coat			1	1	1							1		1										
Fender-- replace entire Fender with new																		1	1	1	1	1		
Fender-- Refubish fender by Manufacture (none for this project)																								
Fender and hardware strength	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Extra High	Extra High	Extra High	Extra High	Extra High	Extra High	Extra High	Extra High	Standard	Standard
Comments																			1 hour supports at this location (2clean, 2	replacing standard with extra high	replacing standard with extra high			

total inner outer

6	0	6
1	0	1
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
6	0	6
1	0	1
	0	0
22	11	7
13	2	7
12	1	7
0	0	0
23	12	7
12	1	7
12	1	7
0	0	0
0	0	0
9	6	2
7	7	0
0	0	0
11	8	2
5	5	0
5	0	3
0	0	0

1 Task to perform as per Technical SOW

Summary of Task	
Padeye bracket -Replacement	12
Padeye bracket -Clean and coat	2
Shackle - Replace	69
Chain from pad to fender -Replace	25
Fender end fitting -Replace	20
Fender end fitting -Clean/coat	12
Fender-- Replace entire fender	5