

**FAC 1511 PIER**

FY22 SUC: \$27.40 / SY  
Source: Inflated from previous FY using ENR labor and material cost indices to measure  
Original Source: actual inflation.  
NAVFAC/EXWC Data, 2020

FAC 1511  
FY21 SUC Remodel

ESL  
2019 RPAD Meran Size

50 Years  
5,261 SY

Pivot Capture from CALC Table

Pier Section	Average of ADJ Net Cost w/OP	Average of ADJ Net Cost w/OP per SY
H1010 - Pile	\$280,187.34	\$129.23
H1020 Superstructure	\$102,023.21	\$49.45
H1030 Deck	\$153,105.24	\$27.74
H1040 Mooring	\$102,754.37	\$35.96
H1050 - Other Pier Component	\$5,880.16	\$4.23
H5 - Other Ancillary Components	\$20,165.42	\$5.20
<b>Grand Total</b>	<b>\$129,218.82</b>	<b>\$48.82</b>

Pier Section	Sum of ADJ Net Cost w/OP	Average of ADJ Net Cost w/OP	Average of ADJ Net Cost w/OP per SY	Frequency (Years, based on UFC)	# Of Events in 50 Years	Lifetime Cost /SY
Inspection			\$18.13	6	8	\$145.06
H1010 Pile	\$111,976,347.67	\$414,727.21	\$129.23	10	5	\$646.17
H1020 Superstructure	\$31,954,843.61	\$177,526.91	\$49.45	25	2	\$98.90
H1030 Deck	\$47,608,124.03	\$207,895.74	\$27.74	10	5	\$138.68
H1040 Mooring	\$50,592,942.61	\$139,374.50	\$35.96	10	5	\$179.82
H1050 Other	\$779,252.48	\$10,253.32	\$4.23	10	5	\$21.15
H5 - Ancillary Components	\$6,001,256.98	\$29,274.42	\$5.20	10	5	\$25.99
	\$248,912,767.39	\$188,142.68				
					Subtotal Per Year	\$1,255.78 \$25.12

Notes:

Data Provided by EXWC October, 2020

Inspection Costs Inflated from FY14 Study (Original Life Cost per asset = \$652,491.25)

Each Maintenance Event cost normalized for size of individual pier worked on

O/P Set to 20% if not presented in EXWC data