



Fw: Pier Bravo damage assessment (HAFNIA AMESSI allision)

From**Date** Wed 2/26/2025 7:27 AM**To**

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Good morning Drew,

Finally have a damage estimate from the Joint Base on Pier Bravo.

V/r,

From: MARTIN, TODD R CIV USAF AMC 628 CES/CEN [REDACTED]@us.af.mil>**Sent:** Monday, February 24, 2025 4:00 PM**To:** [REDACTED] USCG SEC CHARLESTON (USA) [REDACTED]@uscg.mil> [REDACTED]**Cc:** [REDACTED] USCG SEC CHARLESTON (USA) [REDACTED]@uscg.mil>; STANLEY, JON B CIV USAF AMC 628 ABW/JA [REDACTED]@us.af.mil>; RANDAZZO, SALVATORE F CIV USAF AMC 628 CES/CD [REDACTED]@us.af.mil>**Subject:** RE: Pier Bravo damage assessment (HAFNIA AMESSI allision)

BLUF: The cost to restore Pier Bravo to its condition before the Hafnia Amessi allision is estimated at \$8.13M in February 2025 dollars as determined below.

Background:

As noted by the NAVFAC Waterfront Engineer's 1 April 2022 Class 5 (expected accuracy of +/- 30%) Damage Cost Estimate following the Bow Triumph allision, the bare rough-order-of-magnitude cost to demolish the lightning arrestor tower platform was \$1,896,891 and the cost to rebuild the Lightning Arrestor Tower Platform was \$4,430,895, for a total of \$6,327,786 in 2022 dollars. This estimate specifically did not include the cost to conduct a detailed Cost Risk Schedule Analysis (CRSA), incorporate required Supervision, Inspection and Overhead (SIOH) costs, incorporate DD1391 contingency allowances, and was tendered without having conducted an underwater assessment of the existing structure nor a structural assessment of the remaining portion of the existing structure.

Adding escalation factors:

Bare ROM Cost for Complete Demolition and Reconstruction of Pier Bravo: \$6,327,786

Addition for CRSA: ~\$20K

Addition for Design costs: 10% of the Estimated Construction Cost (ECC): \$633,000

Addition for SIOH: 6.2% of ECC: \$392,000

Addition for Contingency Allowance: 4% of ECC: \$250,000

Addition for Underwater Assessment: included in design cost above

Addition for Structural Assessment: included in design cost above

Total for this COA: \$7.62M (in 2022 dollars)

Escalating from April 2022 dollars to February 2025 dollars:

Engineering News Record's Construction Cost Index for April 2022: 12898.96

Engineering News Record's Construction Cost Index for February 2025: 13766.30

Escalation Factor: 1.067 (6.7% escalation)

2025 Total for this COA: $\$7.62 * 1.067 = \8.13M (2025 dollars).

v/r: Todd

Todd R. Martin P.E.

Engineering Flight Chief

628th Civil Engineer Squadron

