

State Route 75 San Diego – Coronado Bay Bridge Foundation Rehabilitation Project & Suicide Deterrent Project



CTC Meeting

August 20, 2026

About the Coronado Bridge and the San Diego Bay | Rehabilitation



Figure 1: Project Location Map

- The Bridge is part of the Strategic Highway Network
- The Bridge and Harbor are important for National Defense
- San Diego Harbor is a National Strategic Seaport

Project Location



Figure 2: Overview Aerial Photo

Key features and locations depicted in the project area:

- San Diego City
- Coronado City
- 22 Piers in the Bay
- Pier 2
- Pier 23
- 4 Existing bridge fenders
- Navigational Channel
- Rose Canyon Fault Line

Continued Resiliency and Reliability | Rehabilitation



- Ensure the resiliency of the San Diego-Coronado Bay Bridge foundations in the event of a major earthquake from the Rose Canyon fault.
- Upgrade the bridge protection system and shipping lanes from an errant ship impacting a bridge column.

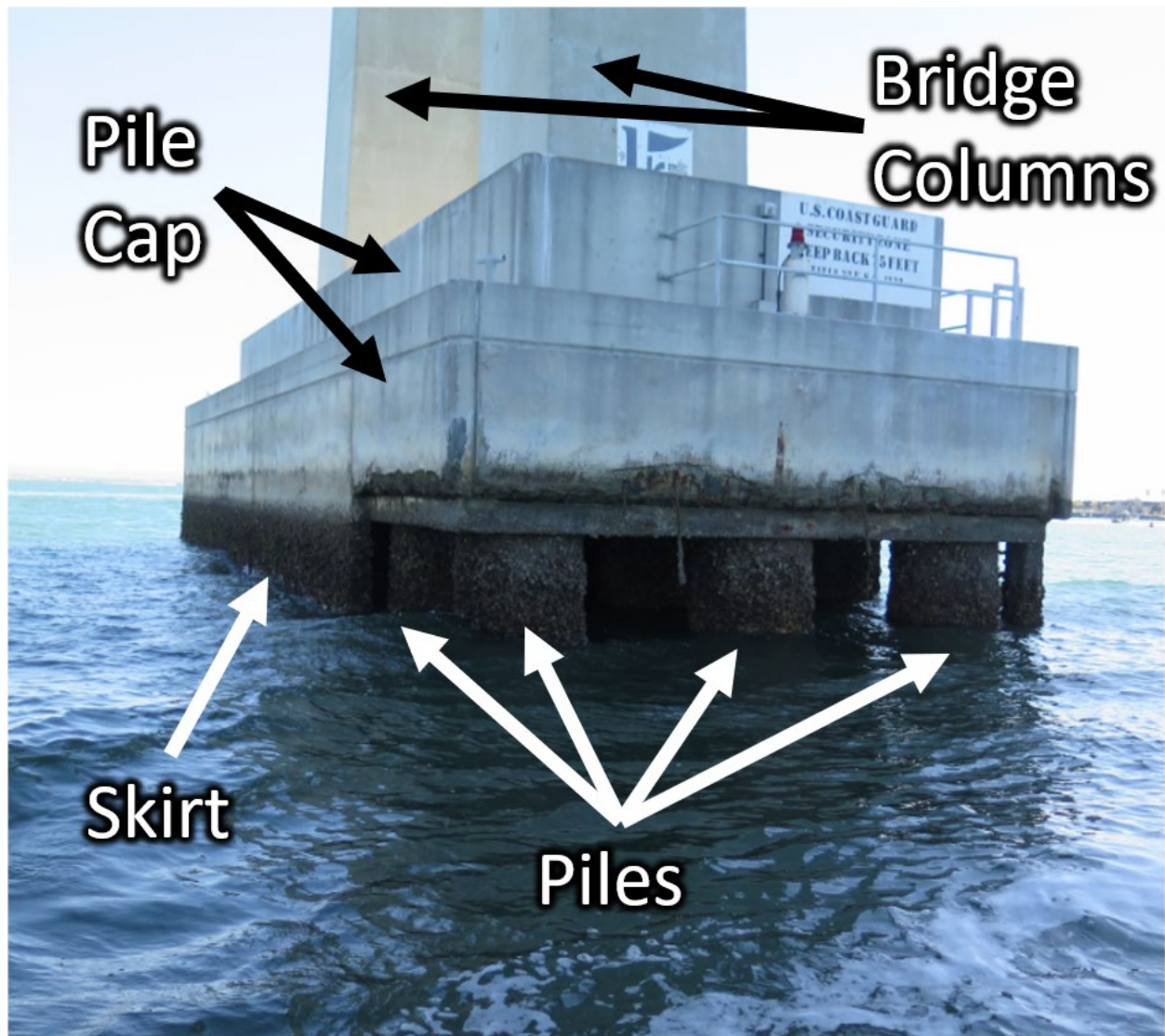


Figure 3: Foundation Close-up Photo

Structural elements of the bridge foundation:

- Bridge Columns
- Skirt
- Pile Cap
- Piles

Bridge Protection



Figure 4: Aircraft Carrier Navigating Under Bridge

Bridge Protection Alternative

Pile Cap Dolphins



Figure 5: Alt 1– Pile Cap Dolphin Rendering

Cofferdam Dolphins



Figure 6: Alt 2– Cofferdam Dolphin Rendering

Challenges and Constraints

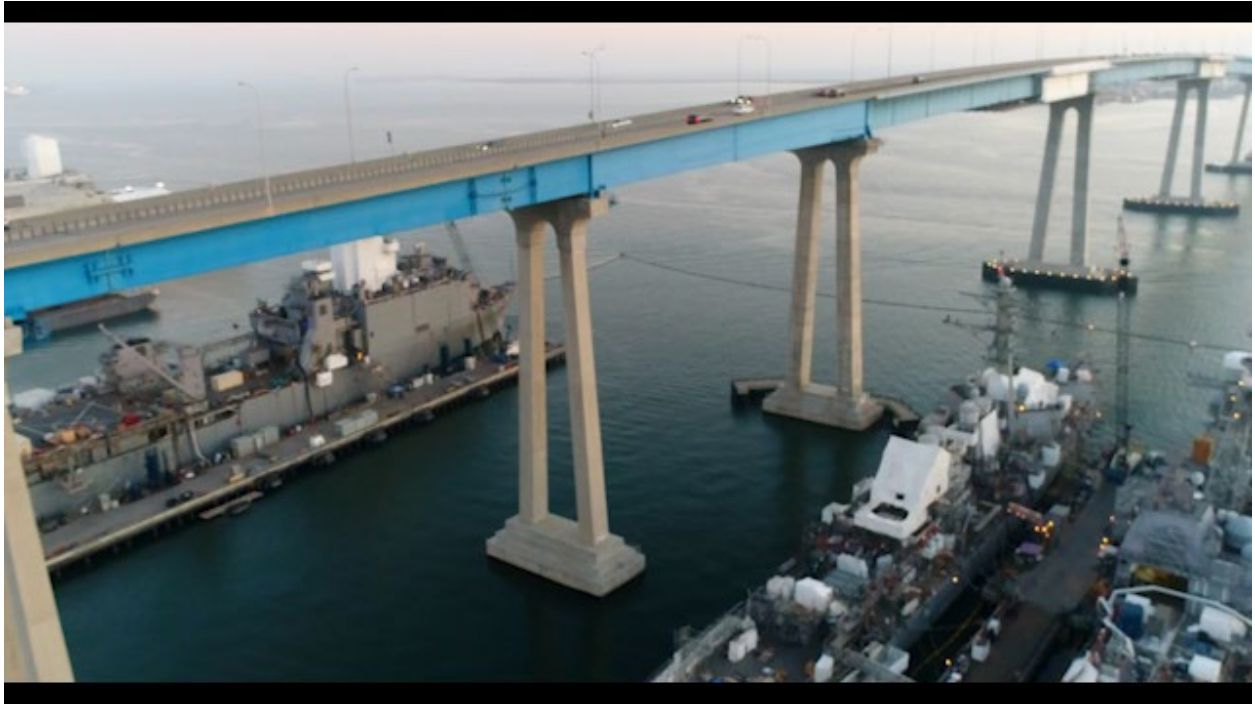


Figure 7: Bridge piers in San Diego Bay

- Project location
- Unique scope of work
- Construction impacts to stakeholders
- Environmental impacts

2026 Update | Rehabilitation



Figure 8: Pier 18 Fender

- Public scoping meeting late 2025
- Value Analysis Study early 2026
- Preliminary Navigational Clearance Determination mid 2026
- Impact studies underway
- Expended \$11M

Next Steps | Rehabilitation



Figure 9: Bridge Low Angle Perspective

- Draft Environmental Document early 2027
- Project Approval & Environmental Document: End 2028
- Design Phase Allocation: Fiscal Year 2029
- Begin construction: Early 2030's

Why Progressive Design-Build | Deterrent



Figure 10: View Along Bridge Rail

- Leverage expertise and foster collaboration
- Reduce cost and schedule risk in construction
- Earlier completion
- Right tool for a unique project

Process | Deterrent



Figure 11: Aerial View of Bridge Lanes

- Best value selection
- Collaborative design solutions consistent with environmental objectives
- Constructability & mockups
- Open book estimate

Cost Drivers | Deterrent



Figure 12: Deterrent Barrier Fence Simulation

- Balancing objectives
- Constructability & access challenges
- Higher than anticipated escalation

Successes | Deterrent



Figure 13: Coronado Bridge Dusk Photo

- Current design avoids significant impacts to bridge
- Stakeholders' consensus
- Significantly reduced construction risks
- Completion one year sooner