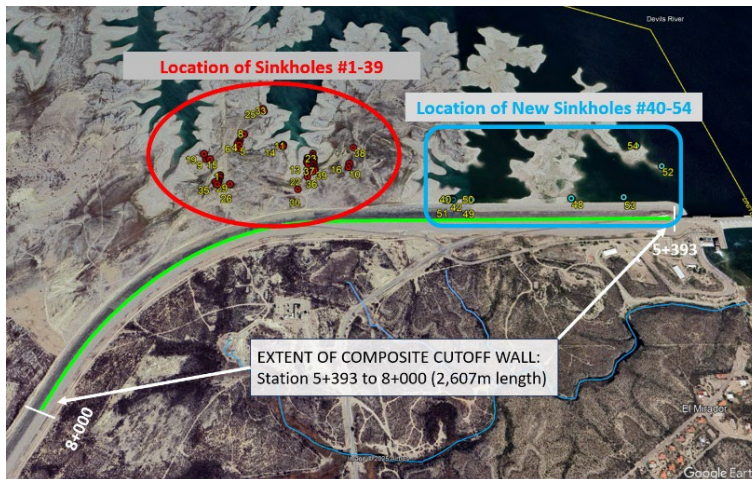


AMISTAD DAM FACT SHEET



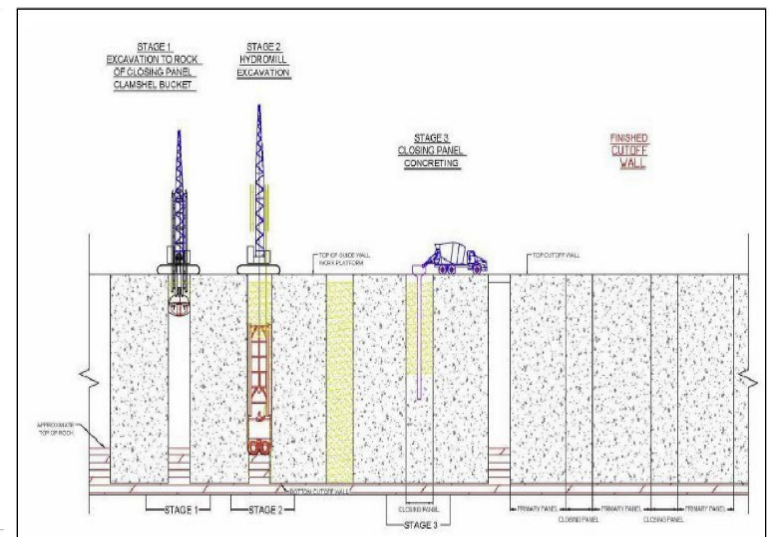
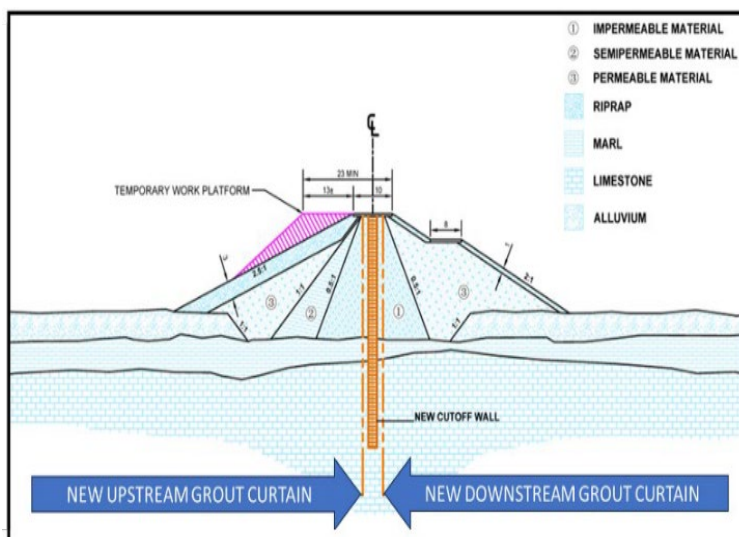
Located on the Rio Grande 11.81 miles (19 kilometers) north of the cities of Del Rio, Texas and Ciudad Acuña, Coahuila, Amistad Dam is the second international storage dam built jointly by the United States and Mexico, pursuant to the 1944 Water Treaty. Construction began in 1963 and was completed in 1969. Amistad Dam includes Ports of Entry for both the U.S. and Mexico and is owned and operated by the International Boundary and Water Commission (IBWC). Amistad Dam is the 12th largest dam in the U.S. and is approximately 6 miles (10 km) long with 1.81 miles (2,922 m) in the U.S. and 4.23 miles (6,811 m) in Mexico. Amistad Dam has a total storage capacity of about 5,535,000 acre-feet for flood control, conservation, hydroelectric, and recreational purposes.

ISSUES

- 55 sinkholes identified
 - Potential risk to structure's stability
 - Class II DSAC– Potentially Unsafe
- DSAC = Dam Safety Action Classification
(Dam Safety Modification Report, 2020)*
- 400K people at risk of flooding
 - Water supply for 3M people
 - Disruption of international commerce

Year	1994	1995	1996	1997	1998	1999	2000	2001	2002-2011	2012	2013	2014	2015	2016-2019	2020	2021-2022	2023	2024	30 YRS
Sinkholes	10	1	2	5	1	0	2	4	0	5	3	1	1	0	1	0	3	16	55

COMPOSITE CUTOFF WALL



DESIGN AND CONSTRUCTION APPROACH

PHASE 1: Design and Construction of a two-line grout curtain (Upstream and Downstream)

- Geotechnical analysis for preliminary grout curtain design
- Design and construction to required depths and limits per the geotechnical analysis
- Modifications to design as construction progresses if undiscovered voids are encountered
- Grout curtain depth will establish the cutoff wall depth and allow us to finalize the cutoff wall design and cost.
- Ancillary works will also be completed such as the bypass road

PHASE 2: Design and Construction of a concrete cutoff wall

- Design and construction to required depths and limits based on grout curtain phase
- Series of concrete panels installed from atop the crest and set between the two grout curtains
- Constructed in primary and secondary sequence for optimization
- Additional ancillary works will be completed such as widening the dam crest

	2024									2025									2026													
	FY24								FY25								FY26								FY27-->							
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May			
A/E to develop CutoffWall SOW & contract																																
Design Solicitation																																
Design for Grout Curtain and Cutoff Wall																																
Grout Construction Presolicitation																																
Grout Solicitation																																
Construction																																
Construction-Work Platform, Grout Curtain																																
Construction-Work Platform																																
Upstream Grout Curtain																																
Downstream Grout Curtain																																
Cutoff Wall Solicitation (Complete)																																
Construction- Cutoff Wall																																
Construction-Cutoff wall																																
CMS and USACE Support																																
Fiscal Year Quarter	2Q			3Q			4Q			1Q			2Q			3Q			4Q			1Q			2Q			3Q				

ONGOING ACTIVITIES

- Continue monitoring Amistad Dam instrumentation
- Update and maintain Amistad Dam Emergency Action Plan
- Current funds available for Phase 1
- Estimated Total Cost Range for Both Phases: \$80M – \$276M***

***Estimated project cost contingent on required depth obtained in phase 1 and inflation

MAJOR MILESTONES

- **September 17, 2024:** Phase 1 Design awarded to Technoproject, S.A. de C.V.
- **December 10, 2024:** U.S. and Mexico signed Minute 332, stipulating total cost between the countries for design and construction: 56.2% for the U.S. and 43.8% for Mexico
- **May 2025:** Tentative completion of design, estimate expected of full cost of project
- **2026:** Construction expected to begin early 2026 and could last 30 months****

****All construction is subject to availability of funding.

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