



SOUTHERN NEVADA
WATER AUTHORITY

HORIZON LATERAL

STRENGTHENING ONE OF AMERICA'S
MOST RELIABLE WATER SYSTEMS



THE HORIZON LATERAL

will provide a critical second water transmission pipeline to ensure reliable service to nearly a million existing customers.

The approximately **\$1.6 billion project** will ensure continued, reliable water service to existing customers while supporting the community's future water needs and the regional economy. The targeted in-service date is approximately 2030.

With pipelines as large as 120 inches in diameter, the Horizon Lateral will **bolster system dependability and capacity** for the area, which currently relies upon a single transmission pipeline known as the South Valley Lateral (SVL). The SVL, in service since 1999, is projected to reach capacity within the next 10-15 years and currently lacks critical redundancy or back-up facilities to service the region in case of system outages or emergencies.

NOTE TO INTERESTED CONTRACTORS

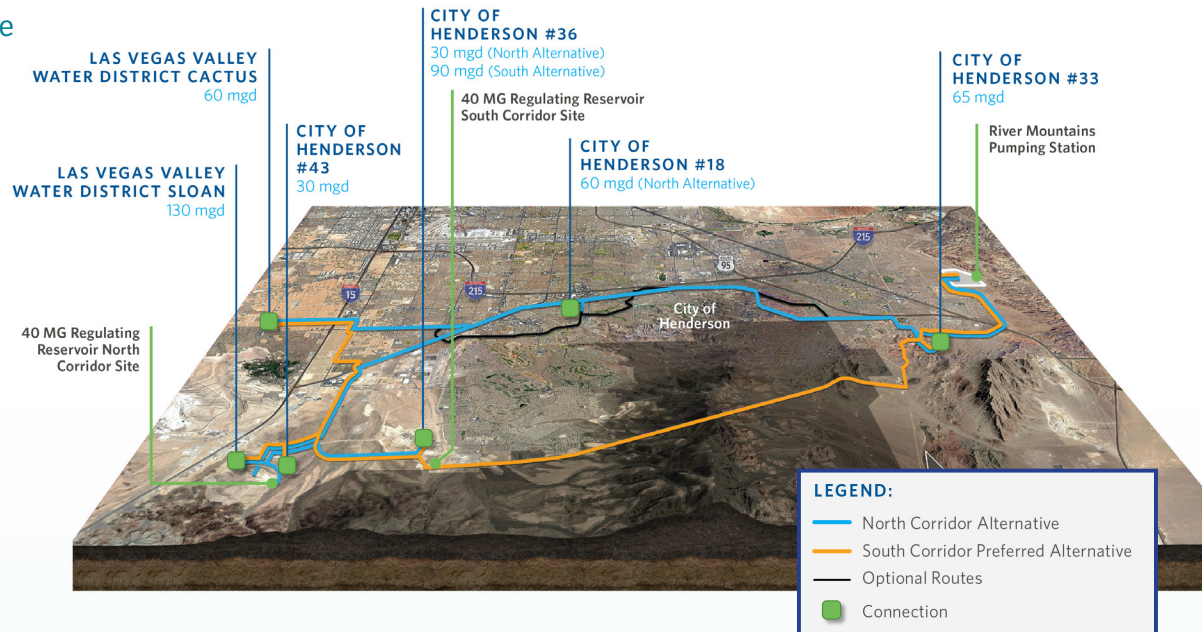
All contractors and their subcontractors must be licensed in Nevada. The Nevada State Contractors Board encourages potential bidders to allow sufficient time for the licensing process. Contact the Nevada Contractors Board at **775-688-1141**.



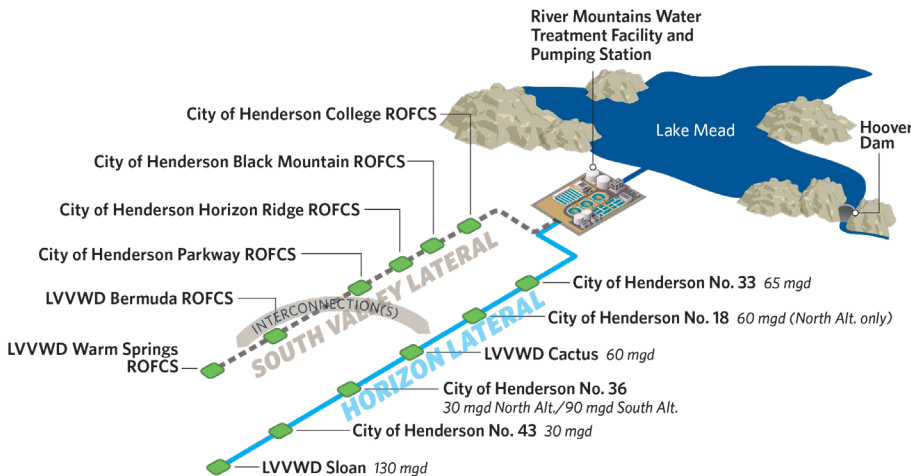
PROJECT-AT-A-GLANCE

A 2019-2021 Feasibility Study effort identified a preferred south alignment and an alternative north alignment. Alignment project components include:

- TBM tunnel, 7-8 miles up to 108" diameter
- Open trench pipeline construction (20-30 miles, 42"-120" pipe diameter)
- Below-grade forebays and reservoirs (4-40 MG)
- Pumping station at the River Mountains Water Treatment Facility (375 MGD)
- In-line pumping station (190-310 MG)
- Booster pumping stations (up to 3)
- Rate of flow control stations (up to 4)
- Communications, power, cathodic protection and control systems



One alignment will be selected after an extensive multi-agency environmental evaluation and public outreach process.



PROJECT DELIVERY METHODS

SNWA is currently developing pre-design packages for the Horizon Lateral Project. **Multiple project delivery methods will be explored**, including CMAR, design-build and design-bid-build. This partnership would craft design features that are both economical and compatible with efficient construction methods.

PROJECT SCHEDULE

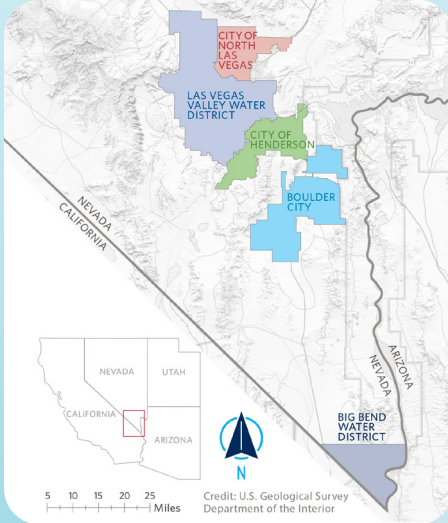
2021-2023	Land acquisition, permitting, outreach and NEPA process	2022-2023	Final design common elements to both alignments
2021-2022	Preliminary design of both preferred and alternative alignments	2024-2025	Final design of selected alignment
2022-2023	Survey, ROW and geotech	2024	Begin construction
		2030	Start-up and commissioning



SOUTHERN NEVADA WATER AUTHORITY®

ABOUT THE SNWA

The Southern Nevada Water Authority is a wholesale water provider that delivers world-class water service in a sustainable, adaptive and responsible manner through reliable, cost-effective systems. The seven-member agency is responsible for water treatment and delivery, as well as acquiring and managing long-term water resources for more than 2.2 million residents in Southern Nevada. Learn more at snwa.com.



Project Contact

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Lead Design Engineer: Black & Veatch
Construction Manager: Parsons

