



Alvarado 2nd Pipeline Extension Project

Background

The City of San Diego provides water to 1.4 million residents each and every day through hundreds of miles of pipelines, and these underground pipelines need maintenance and replacement as they reach the end of their lifespans. The **Alvarado 2nd Pipeline Extension Project** will extend and replace aging water pipelines to improve water reliability and distribution in San Diego, focusing on efficient water delivery to the City's coastal communities.

Benefits

Reliable/Environmentally Sustainable: Provides new, reliable water pipelines to ensure secure drinking water service for the future.

Replaces Aging Infrastructure: Replaces miles of aging water distribution mains.

Smart Investment: A proactive move to ensure a reliable pipeline system and minimize risk for costly breaks.

Efficient Delivery: Expands the network of water distribution to coastal communities in San Diego.

Project Manager: Jericho Gallardo

Project Engineer: Kennedy/Jenks Consultants

Project Components and Location

The Alvarado 2nd Pipeline Extension Project includes the construction of approximately 10 miles of water mains in the Mission Valley and Mission Bay areas. New 24 and 48-inch transmission mains will be installed along Friars Road, between Interstate 805 (where it connects to the existing Alvarado Pipeline) and West Mission Bay Drive (where it connects to the recently installed Pacific Beach Pipeline). A new 36-inch transmission main branch will be installed at Napa Street for future connection to the Morena Pipeline, which will be constructed after this project. A new pressure reducing station will be installed on Napa Street in a City-owned parking lot. A 12-inch distribution main will be replaced along Sea World Drive, between Interstate 5 and West Mission Bay Drive. Additionally, a 16-inch distribution main will be replaced along Friars Road where it is parallel to the new Alvarado 2nd Pipeline transmission main.

Project Schedule

Mid-2021: Contractor Selected and Construction Begins

2024: Construction Completion

Map of Project Location



The primary project location is in the Mission Valley and Mission Bay areas of San Diego.

What To Expect During Construction

During construction, the project team will undertake a variety of efforts to minimize inconvenience and ensure a safe environment for residents, businesses, cyclists, commuters and emergency services.

- Traffic control measures to provide local access and ensure safety for both the public and construction crews
- Clear signage to notify the public about detours
- Nighttime work (where possible and safe) near businesses
- Daytime work (where possible and safe) near residences
- Management and oversight of dust and noise limits
- Advanced notifications and coordination with the community, including businesses and residents
- Water service outages are not expected during this project

Project Stages

1. **Pre-Construction:** Activities may include construction equipment mobilization, crews conducting field investigations, traffic control and intermittent lane closures. These activities typically move along quickly, which result in minimal impacts to community members.
2. **Construction:** This stage involves traffic control, lane closures and detours in segments. Construction crews use heavy equipment to dig trenches for pipeline installation. Once the pipe is installed in the trench the trench is backfilled. The road will be opened up to traffic as temporary pavement is placed and sections are completed. Some sections will be completed overnight in areas near businesses, and some sections will be completed during the day in areas near residences. Access will be maintained for all residents and businesses during construction. In some areas, bike lane, sidewalk and bus stop closures will be necessary for safety.
3. **Restoration:** Construction crews will be back after the pipeline construction is completed and place the final pavement, roadway striping and markings.

Typical Work Days and Hours

Construction will typically occur from Monday to Friday, with limited weekend work reserved for intersections. Nighttime hours will typically be from 8 p.m. to 6 a.m. Daytime work hours will typically be from 9 a.m. to 5 p.m. These days and hours may change as needed to maintain a safe environment for the public and for construction crews.



Cyclist and Pedestrian Safety Near Construction

Stay safe near construction zones by following these tips:

- Follow posted signage and detours
- Slow down around or avoid hazardous construction areas
- Be aware of heavy equipment
- Cross the street only at designated crossings