SAN CLEMENTE BEACH SAND PROJECT

Project Update

Leslea Meyerhoff, AICP, Coastal Administrator **December 5, 2023**







BEACH SAND PROJECT OVERVIEW

- Project will create new 50' wide beach
- Volume of sand = 251,000 cubic yards
- Project footprint approx. 3,214'
- Project centered around City Pier
- Sand placed generally between Linda Lane & T – Street



BEACH SAND PROJECT FOOTPRINT

PROJECT OVERVIEW (CONTINUED)

- This is a <u>50-year</u> project
- 1st new sand project in CA. in 60 years
- Offshore sand source, north of Oceanside
- Sand renourishment cycle = 6 years
- Final renourishment planned for 2074
- 2 million cubic yards placed over 50 years

PROJECT SCHEDULE

- USACE Contractor is Manson Construction Company
- City & USACE & Contractor coordination daily / weekly
- Pipeline landing (subline installation) completed: 11/21/23
- Pre-Construction mobilization to begin: 12/7/23
- Construction is expected to begin: 12/15/23

PROJECT PHASING

Active sand placement phase approximately 50 days

Dredging operations will run 24 hours a day, 7 days a week

Shore equipment will operate 12 hours a day, 7 days a week

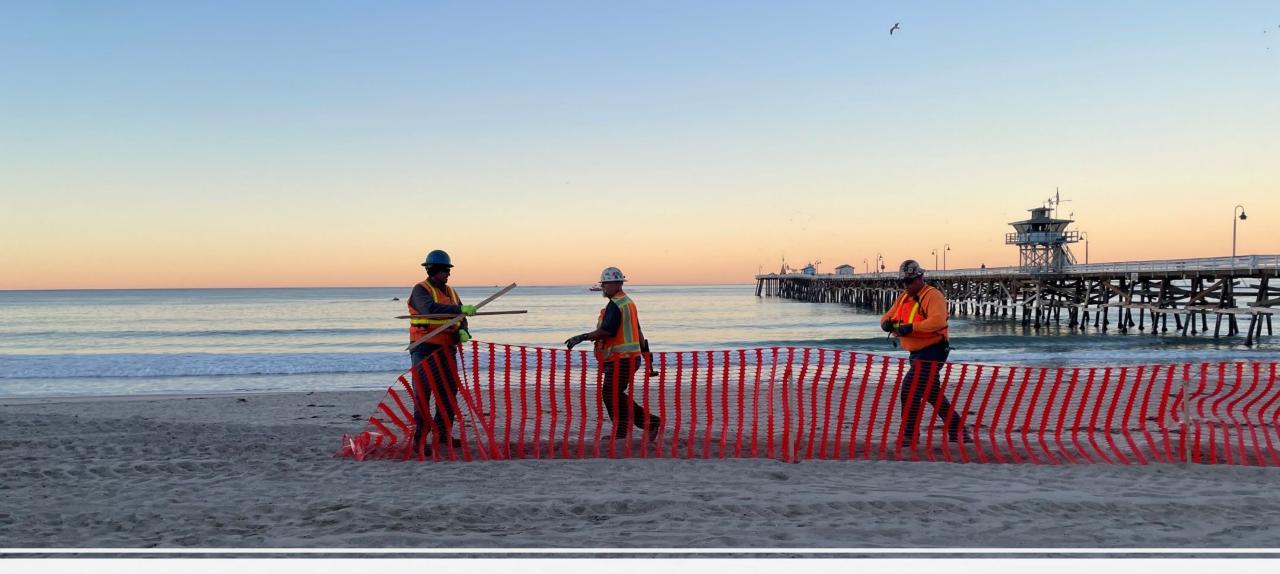
Project wrap up planned for late January / early February 2024



"PIPELINE LANDING" COMPLETED 11/21/23



PREPARATION MEETING



SAFETY FENCING INSTALLED



ENSURING PUBLIC SAFETY

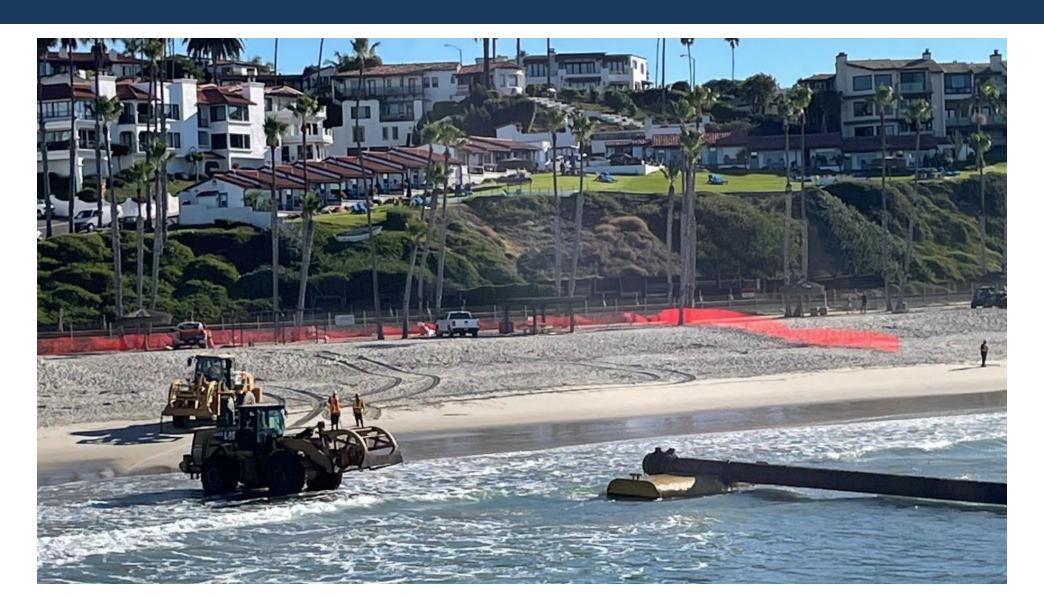


PIPELINE LANDING: 7-HOUR PROCESS



PIPELINE LANDING (SUBLINE INSTALL)

DREDGE PIPE BEING "LANDED"

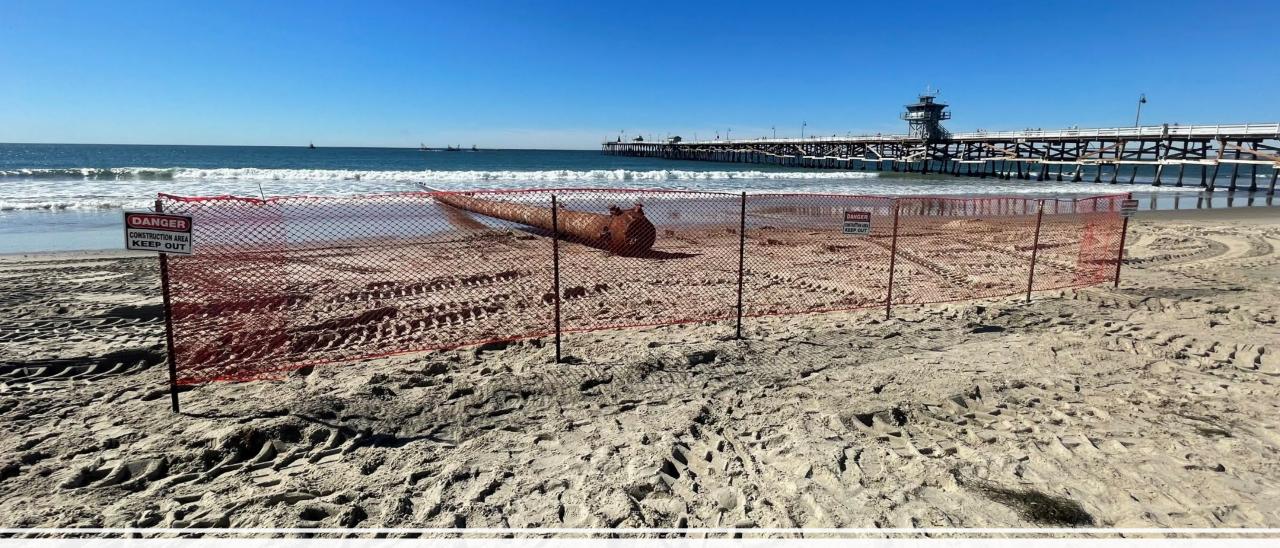


PIPE BEING PULLED ASHORE





TEMPORARY BEACH CLOSURES



SUBLINE INSTALL COMPLETE 11/21/23



CONTRACTOR PARKING
IN UPPER PIER BOWL LOT: BEGINNING 12/7/23

NEXT PHASE OF THE PROJECT

- Pre-Condition Site Walk completed 12/4/23
- Pre-Construction Mobilization Planned for 12/7/23
- Contractor staging in upper Pier Bowl parking lot 12/7/23
 - Equipment and pipeline segments brought to City
 - Contractor office trailer brought to parking lot

CONSTRUCTION STAGING AND EQUIPMENT STORAGE BEGINNING 12/7/23





SAND PLACEMENT OPERATIONS ANTICIPATED TO BEGIN 12/15/23

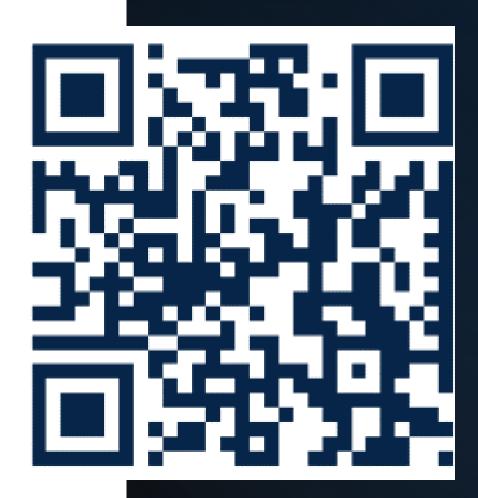
EXAMPLE: CONSTRUCTION PHASE OPERATIONS



COMMUNITY OUTREACH & COMMUNICATIONS

Project information communicated via:

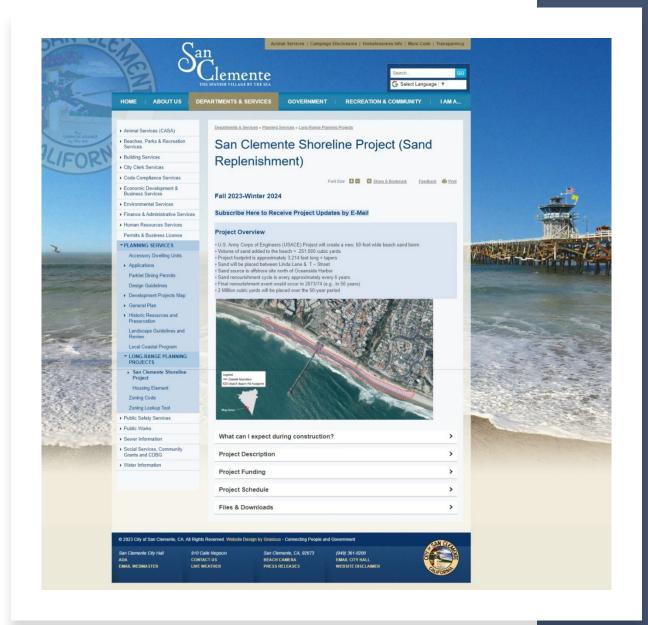
- ✓ City Council Meetings
- ✓ Press Releases & E-Blasts
- ✓ Dedicated Webpage (BeachSand)
- ✓ Social Media posts
- ✓ Public Signs at the Beach & Pier
- ✓ Signs @ Kiosks (City Hall & Community Center)
- ✓ QR Code



SAN CLEMENTE BEACH SAND PROJECT WEBSITE

San-Clemente.org/beachsand





SAN CLEMENTE SHORELINE PROJECT

Fact Sheet



Project Description

- Project will create a new, 50-foot wide beach sand berm
- Volume of sand added to the beach = 251,000 cubic vards
- Project footprint is approximately 3,214 feet long + tapers
- Sand will be placed between Linda Lane & T Street
- Sand source is offshore site north of Oceanside Harbor
- · Sand renourishment cycle approximately every 6 years
- Final renourishment event would occur in 2073/74
- 2 Million cubic yards will be placed over the 50-year period

Why is the City Undertaking this Project?

The City's public beaches contribute significantly to the quality of life for residents and visitors alike. Additionally, beach sand functions as a natural protective buffer from winter storm waves. Beach sand is considered natural coastal infrastructure and like other City infrastructure requires regular and ongoing maintenance efforts to perform at its best. The sandy beach provides a multitude of benefits including shoreline protection, recreation, and environmental benefits.

What Can I Expect During Construction?

- Construction hours from 7am to 7pm, seven days per week for approximately 50 days
- Increased heavy equipment and vehicles on the beach with noise from back up beepers
- Temporary closures of small sections of the beach during active sand placement
- Fencing to protect public safety
- Water turbidity (suspended sediments)
- Extra bird activity (shorebirds love to forage in the dredged sandy material)
- Following construction, wrap up will take a few weeks to remove all equipment and materials



Contact Us:

www.san-clemente.org/beachsand beachsand@san-clemente.org (949) 361-8200

Project Partners:
US Army Corps of Engineers
California State Division of Boating
and Waterways



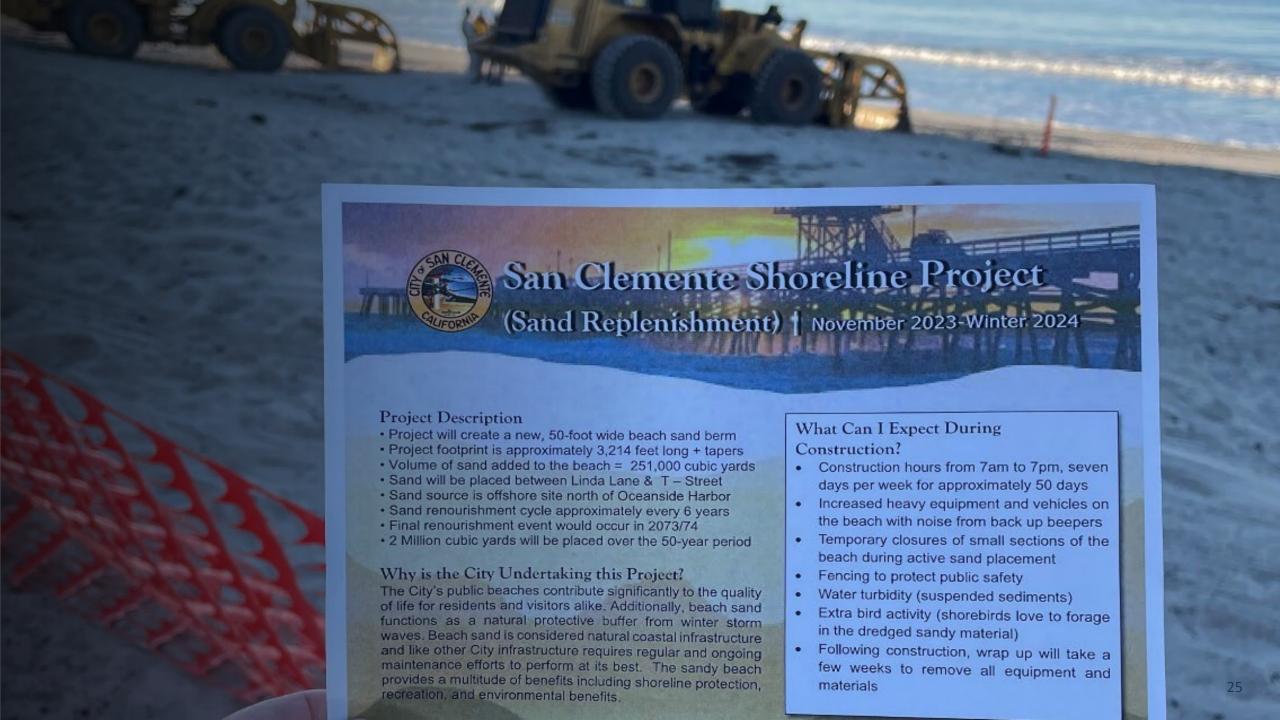






We are committed to completing the project as quickly as possible; however, this timeframe could change due to inclement weather or other unforeseen circumstances. Thank you for your patience while we rebuild the City's beaches!

www.san-clemente.org/beachsand





SAN CLEMENTE **BEACH SAND PROJECT BY-THE-NUMBERS**

SAN CLEMENTE SHORELINE PROJECT BY THE NUMBERS

2.6 Million annual visitors to the City's beaches

3,400 Linear feet of beach

15 Million dollars is the construction cost for the project

to be restored

3 Public agencies have made this project possible: City of San Clemente, California State Parks, and U.S. Army Corps of Engineers

251,000 Cubic yards of beach sand to be placed this year

200 Feet estimated length of shoreline restored each day

8 Times the San Clemente beach sand project will be repeated over 50 years

First entirely new federal beach sand project in California and the West Coast of the United States in more than 50 years

www.san-clemente.org/beachsand

PUBLIC SAFETY PROGRAM

- Public signs in multiple locations
- Equipment on beach will have a spotter at all times
- Temporary construction fencing
 - Maximum 1,000' access controlled area
 - No public access in active discharge area
- Perpendicular berms to deter people from entering

Safety is a Job Requirement



USACE& Contractor Signage



Safety is a Job Requirement

West Coast Hopper Maintenance
Dredging 2023
Manson Construction Co.
Seattle, Washington

This project started
Days since last lost time accident
Total lost time injuries

THANK YOU FOR YOUR TIME.



Leslea Meyerhoff, AICP

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