

SAN CLEMENTE BEACH SAND PROJECT

Project Update

Leslea Meyerhoff, AICP, Coastal Administrator
December 5, 2023



**US Army Corps
of Engineers** ®
Los Angeles District

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 **50-year** 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



CONTRACTOR STAGING AND STORAGE AREA

Subline Corridor Boundary

Pipeline

“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
THE SPANISH VILLAGE BY THE SEA

Animal Services | Campaign Disclosures | Homelessness Info | Muni-Code | Transparency

HOME | ABOUT US | DEPARTMENTS & SERVICES | GOVERNMENT | RECREATION & COMMUNITY | I AM A...

Animal Services (CASA)
Beaches, Parks & Recreation Services
Building Services
City Clerk Services
Code Compliance Services
Economic Development & Business Services
Environmental Services
Finance & Administrative Services
Human Resources Services
Permits & Business License
PLANNING SERVICES
Accessory Dwelling Units
Applications
Parklet Dining Permits
Design Guidelines
Development Projects Map
General Plan
Historic Resources and Preservation
Landscape Guidelines and Review
Local Coastal Program
LONG-RANGE PLANNING PROJECTS
San Clemente Shoreline Project
Housing Element
Zoning Code
Zoning Lookup Tool
Public Safety Services
Public Works
Sewer Information
Social Services, Community Grants and CDBG
Water Information

Departments & Services » Planning Services » Long-Range Planning Projects

San Clemente Shoreline Project (Sand Replenishment)

Font Size: [A] [A-] [A+] Share & Bookmark Feedback Post

Fall 2023-Winter 2024

Subscribe Here to Receive Project Updates by E-Mail

Project Overview

- U.S. Army Corps of Engineers (USACE) Project will create a new, 50-foot wide beach sand berm
- Volume of sand added to the beach = 251,000 cubic yards
- Project footprint is approximately 3,214 feet long + tapered
- Sand will be placed between Linda Lane & T - Street
- Sand source is offshore site north of Oceanside Harbor
- Sand renourishment cycle is every approximately every 6 years
- Final renourishment event would occur in 2073/74 (e.g., in 50 years)
- 2 Million cubic yards will be placed over the 60-year period

What can I expect during construction? >

Project Description >

Project Funding >

Project Schedule >

Files & Downloads >

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San Clemente City Hall
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LIVE WEATHER

San Clemente, CA, 92673
BEACH CAMERA
PRESS RELEASES

(949) 361-6200
EMAIL CITY HALL
WEBSITE DISCLAIMER

SAN CLEMENTE SHORELINE PROJECT

Fact Sheet



San Clemente Shoreline Project (Sand Replenishment) | November 2023-Winter 2024

Project Description

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- Sand will be placed between Linda Lane & T – Street
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- 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 Shoreline Project

(Sand Replenishment) | November 2023-Winter 2024

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SAN CLEMENTE BEACH SAND PROJECT BY-THE-NUMBERS

SAN CLEMENTE SHORELINE PROJECT BY THE NUMBERS

2,600,000 2.6 Million annual visitors to the City's beaches

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

3,400 3,400 Linear feet of beach to be restored

200 200 Feet estimated length of shoreline restored each day

15 15 Million dollars is the construction cost for the project

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

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

1 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

72"

48"

PROJECT FUNDED BY

Bipartisan Infrastructure Law

INVESTING IN AMERICA



72"

48"

Design and Construction Supervised by:



US Army Corps of Engineers
Portland, San Francisco, & Los Angeles Districts



U.S. ARMY

West Coast Hopper Maintenance Dredging 2023

San Clemente, CA

Sponsored by:



Contractor:
Manson Construction Co.
Seattle, Washington

48"

48"

Safety is a Job Requirement



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

This project started **11-21-23**

Days since last lost time accident

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Total lost time injuries

		0

THANK YOU FOR YOUR TIME.



Leslea Meyerhoff, AICP

Contract Coastal Administrator

City of San Clemente

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