MEETING FORMAT

We want to hear from you!

Please enter all questions, comments or feedback into the Q&A at any point during the presentation - Q&A is located at the bottom of your screen.

Questions will be read and answered aloud during the Q&A period which will immediately follow the presentation.

There will be an opportunity during the Q&A for people calling in to ask questions.

A summary of the Q&A, and any questions that we are not able to answer this evening, will be posted to the project website following this meeting.

This meeting is being held in a webinar format and only the panelists and moderators can be seen and heard.
AGENDA

- Introductions
  - Project Area & Team Background
  5 MINUTES

- Ocean Beach Climate Adaptation Project
  - Anna Roche, SFPUC Project Manager
  5 MINUTES

- South Ocean Beach Multi-Use Trail Project and Public Access
  - Monica Scott, SFRPD Project Manager
  15 MINUTES

- Q&A and Next Steps
  30 MINUTES
PROJECT AREA
PROJECT TEAM

SAN FRANCISCO RECREATION AND PARKS
Monica Scott – Project Manager
Brian Stokle – Planner
Stacy Bradley – Deputy Director of Planning
Eric Andersen – Superintendent of Parks and Open Space

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
Anna M. Roche – Project Manager
Heather Manders – Project Engineer

SAN FRANCISCO PUBLIC WORKS
Edmund Lee – Project Manager
Paul DeFreitas – Architect
Eoanna Goodwin – Architect
Koa Pickering – Landscape Architect

MUNDEN FRY LANDSCAPE ASSOCIATES
James Munden – Landscape Architect

PROJECT PARTNERS

SAN FRANCISCO PLANNING DEPARTMENT
Julie Moore

SAN FRANCISCO MUNICIPAL TRANSPORTATION AGENCY
Tim Doherty

SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY
Camille Guiriba

GOLDEN GATE NATIONAL RECREATION AREA
Brian Aviles
PROJECT BACKGROUND – Ocean Beach Climate Adaptation Project
Presented by Anna M. Roche, Project Manager, SFPUC
PROJECT BACKGROUND
Ocean Beach Climate Adaptation Project
PROJECT BACKGROUND
Ocean Beach Climate Adaptation Project
PROJECT BACKGROUND
Ocean Beach Climate Adaptation Project

legend
- lake merced tunnel
- westside transport box
- westside force main
- sewer outfall (SWOO)
- pump station
- oceanside treatment plant

Ocean Beach Climate Adaptation Project – South Ocean Beach Multi-Use Trail Project
Community Meeting #1 | December 3, 2020
PROJECT BACKGROUND
Ocean Beach Climate Adaptation Project
PROJECT BACKGROUND
Ocean Beach Climate Adaptation Project

Ocean Beach Climate Change Adaptation Project
3 Phases: Short-term, ACOE, Long-term
WWE Facilities and Infrastructure Program
PROJECT BACKGROUND
Ocean Beach Climate Adaptation Project
PROJECT OBJECTIVES
Ocean Beach Climate Adaptation Project

1. Adapt to Climate Change

2. Protect Critical Wastewater Infrastructure

3. Improve Public Access and Habitat
PROJECT DESCRIPTION
Ocean Beach Climate Adaptation Project

• Permanently close Great Highway between Sloat and Skyline boulevards, reconfigure affected intersections and SF Zoo access

• Remove pavement, rock and sandbag revetments, and rubble and debris from beach, recontour bluff, plant dune vegetation

• Improve public access, maintain coastal parking, continue to provide restroom facilities

• Install buried wall to protect existing sewer infrastructure from shoreline erosion

• Long-term beach nourishment
PROJECT DESCRIPTION
Ocean Beach Climate Adaptation Project
PROJECT DESCRIPTION
Ocean Beach Climate Adaptation Project
PROJECT DESCRIPTION
Ocean Beach Climate Adaptation Project

MULTI-USE TRAIL
Width requirement: 15'-0"
  - 9'-0" Bike lane (two way)
  - 6'-0" footpath
Surface Material: ADA approved

PEDESTRIAN TRAIL
Width Requirement:
  - Footpath: 3'-6" min, 6'-0" preferred
  - Boardwalk: 8'-0" min
Surface Material: ADA approved

SERVICE ROAD NEEDS
Access points at Westside Pump Station and Oceanside Water Pollution Control Plant
  - (2 way, 1 way, signalized?)
Road Width
  - 15'-0" service road only
  - 21'-0" service road w/ one way bike lane
  - 24'-0" service road w/ two way bike lane
[Additional 2'-0" buffer between service road and bike lanes is preferred]
Vehicular Speed
  - Assume 25 mph or less

RESTROOM(S)
- Specification in accordance w/ Recreation & Park requirements
- Locations: TBD
  - Strategy A, B & C indicate (3) locations evenly spread along the multi-use trail

BIKE TRAIL
Width requirement:
  - One way: 6'-0" preferred at curb w/ 4'-0" rideable surface
  - Two way: 9'-0"
Surface Material: colored asphalt

SAND MIGRATION
- NW predominant wind direction
- Dune creation / sand stabilization
  - Dune fencing
  - Plant restoration
- User protection / barrier
- Dune restoration resilient to or reinforced by wind
- Flexible multi-use trail configuration

SEA LEVEL RISE (SLR) ADAPTATION
- Wave run-up hazards
- Design and shapes must be resilient to or reinforced by waves
- Locate permanent (50 yr project lifespan) structure (eg restrooms) as far back and as high as possible
- Flexible multi-use trail configuration
PROJECT SCHEDULE
Ocean Beach Climate Adaptation Project

- 35% Design – October 2020
- 65% Design – July 2021
- 95% Design – October 2021
- 100% Design – December 2021
- Advertise – July 2022
- Construction – January 2023 to January 2027
PROJECT OVERVIEW
South Ocean Beach Multi-Use Trail Project
PROJECT OVERVIEW
South Ocean Beach Multi-Use Trail Project
PROJECT OVERVIEW – NORTHERN END
South Ocean Beach Multi-Use Trail Project

KEY
1. LOWER GREAT HIGHWAY MULTIPLE USE TRAIL
2. OCEAN BEACH BOUNDERS TRAIL (DESIRE LINE)
3. BEACH ACCESS RAMP: PEDESTRIAN AND MAINTENANCE VEHICLES
4. SLOPES PLAZA | OPEN SPACE
5. PLANTING AND RETAINING WALLS
6. STABILIZATION | REVEGETATION
7. SCULPTURAL BARRIER AT PUNCH POINT
8. COASTAL CONSERVATION CENTER
9. AUGO PARKING
10. SERVICE ROAD (ONE WAY)
11. MULTIPLE USE TRAIL [50′-70′ RISE]
12. MAINTENANCE ACCESS POINT
13. CENTRAL PLAZA | OPEN SPACE
14. NEW 2015 & BEACH PARKING
15. EDGE CONDITION AT TRAIL
16. LOW PROFILE WALL (BELOW GRADE)
17. BEACH ACCESS: PEDESTRIAN STAIRS

SCALE
1" = 100’
TRAIL SECTIONS - CENTRAL
South Ocean Beach Multi-Use Trail Project
PROJECT OVERVIEW – SOUTHERN END
South Ocean Beach Multi-Use Trail Project
TRAIL SECTIONS – SOUTHERN END
South Ocean Beach Multi-Use Trail Project
TRAIL RENDERING
South Ocean Beach Multi-Use Trail Project
SCHEDULE & FUNDING
South Ocean Beach Multi-Use Trail Project

Schedule

<table>
<thead>
<tr>
<th>Task</th>
<th>Timeframe</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design</td>
<td>2020-2021</td>
</tr>
<tr>
<td>Contract Advertisement and Award</td>
<td>2022</td>
</tr>
<tr>
<td>Construction</td>
<td>2023-2027 (Trail est. 2025/26)</td>
</tr>
</tbody>
</table>

Funding Sources*

- Federal Highway Administration
- SFRPD
- 2020 Health and Recovery Bond – Sustainability Program
- SFCTA - Prop K
- SPUR
- SFPUC

*amounts to be determined based on final scope
Q&A
South Ocean Beach Multi-Use Trail Project

Please enter all questions, comments or feedback into the Q&A - Q&A is located at the bottom of your screen.

IF YOU ARE CALLING IN BY TELEPHONE:
• Press *9 to raise your hand if you have a question or comment. The moderator will call on you to unmute. You will be prompted to Press *6 to confirm unmute.

All other questions will be read and answered verbally by the panelists.

A summary of the Q&A, including questions that we are not able to answer this evening, will be posted to the project website following this meeting.

...NEXT STEPS

To receive updates from RPD about this project visit:
bit.ly/updatemeRPD

Please send comments to Monica Scott, SFRPD monica.scott@sfgov.org 628-652-6632

For more information about the South Ocean Beach Multi-Use Trail Project, please visit: bit.ly/soobproject

More information about the coordinated City effort to address erosion and climate change at Ocean Beach can be found at: sfplanning.org/ocean-beach