CA State Coastal Conservancy
SF Public Utilities Commission
National Park Service
project overview | multiple jurisdictions

GGNRA/National Park Service
CA Coastal Commission
SF Public Utilities Commission
SF Department of Recreation and Parks
US Army Corps of Engineers
SF Department of Public Works
SF Dept of City Planning
SFMTA

… and others
south reach | erosion + emergency response (Sept 2008)
EXISTING CONDITIONS - MAJOR SEWER INFRASTRUCTURE

legend
- blue: lake merced tunnel
- red: westside transport box
- gray: sewer outfall
- black: pump station

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ocean beach master plan recommendations

six (6) key moves

SOUTH REACH
KEY MOVE 1: Reroute Great Highway behind the Zoo via Sloat and Skyline
KEY MOVE 2: Introduce a multi-purpose coastal protection/restoration/access system

MIDDLE REACH
KEY MOVE 3: Reduce width of Great Highway to provide Amenities / Managed Retreat
KEY MOVE 4: Middle Reach Native Dune Restoration

NORTH REACH
KEY MOVE 5: Better Connection between Golden Gate Park and Beach
KEY MOVE 6: Bicycle + pedestrian improvements north of Balboa
coastal trail

circulation & access study
coastal trail

circulation & access study
Ocean Beach Master Plan Implementation Projects

1. Coastal Management Framework (CMF)
2. Transportation Study
3. Open Space Design and Planning
Ocean Beach Master Plan Implementation Projects

1. Coastal Management Framework (CMF)

2. Transportation Study

3. Open Space Space Design and Planning
low structure reference | taraval seawall

costal management framework
Ocean Beach Master Plan Implementation Projects

1. Coastal Management Framework (CMF)
2. Transportation Study
3. Open Space Space Design and Planning
existing conditions – traffic analysis

intersection analysis

circulation & access study
sloat boulevard redesign
sloat / skyline roundabout

proposed roundabout at sloat & skyline

existing intersection at sloat & skyline
Analysis and Modeling

- Existing, 2040 Baseline, 2040 Project
  - Level of Service
  - ADT
  - Qualitative pedestrian conditions
  - used city model
<table>
<thead>
<tr>
<th>Project Description</th>
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<tbody>
<tr>
<td>1. Coastal Management Framework (CMF)</td>
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Project Elements

- Proposed multi-use path
- Segment of Great Highway to be narrowed (SFDPW)
- Proposed coastal access parking
- New trail connection
- Existing trail

Ocean Beach (GGNRA)
Ocean Beach (GGNRA)
Oceanside Treatment Plant (SFPUC)
Ft. Funston (GGNRA)
Lake Merced (SFRPD)
PHASE ONE: 2015-2016

- Access to Fort Funston and Lake Merced
- New amenities to improve experience
- Remove unnecessary asphalt and revegetate bluff
- Reduce roadway and move landward
- New permanent coastal parking
- Move existing coastal parking landward
- Improved multi-modal coastal trail
- Reduce parking lot size as erosion occurs
Phase 1
Great Highway is narrowed to two lanes only
phase 2+, road closed

South of Sloat (typical)
South ocean beach condition at amenities area

- Asphalt removal
- Eroding bluff
- Rubble and quarry stone
- Native revegetation
- Multi-use path
South ocean beach planting precedents

coastal planting

dune restoration
Regional trail examples

tiburon

monterey

richmond

crissy field

lands end

emmeryville
north reach
North Ocean Beach existing conditions

- O'Shaunessy parking lot: 399
- Balboa parking lot: 177

Legend:
- **Blue**: parking area
- **Orange**: promenade
- **Green**: planters
- **Red**: vehicular circulation
- **Black**: pedestrian connection
North Ocean Beach – Existing (typical)
North Ocean Beach – Proposed (typical)

native planting gateway
(typical condition)

multi functional area,
see board 6
North Ocean Beach active node concept

Primary Node at Great Highway and JFK Drive

- Most active point at Ocean Beach Promenade
- Keep existing planters and promenade, add additional public space
- New seating and bike racks
- New restrooms and other amenities
- Site specific paving pattern
Passive Node at Great Highway and Lincoln

- Quiet terminues to northern promenade
- Encroaching dunes and sand management issues
- Major crossing point to multi-use path South of GHWY
- Extension of promenade to intersection
Amenities Concepts

lounge seating

multi-use “pad”

stadium seating

node
Ongoing Efforts

1. Local Coastal Program update (Planning)
2. Immediate-Term Coastal Management Actions (SFPUC, GGNRA, CCC)
3. Beach Nourishment/Beneficial (SFPUC/GGNRA/USACE)
4. Coastal Trail PCA designation (Supervisor Tang/Coastal Conservancy)
5. Great Highway Narrowing (DPW)
6. FLAP Grant for trail improvements