

»»»» SOUTH CITY «««« BLUEPRINT BUZZ

Engineering Project Updates and Insights



2024 Fifth Edition

South San Francisco: Rising to the Challenge of Sea Level Rise

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Why It Matters:

Projected Flooding Risks:

- 24 inches of sea level rise combined with a 5-year storm surge threatens critical infrastructure, including:
 - **US-101, Caltrain, and SamTrans**
 - **San Francisco International Airport (SFO)**
 - **SSF-SB Water Quality Control Plant**
 - **Local residences and businesses**
- The **Colma and San Bruno Creek outlets**, located at a potential **defensible cove** within the **San Francisco Bay**, provide a unique opportunity to explore **innovative flood protection strategies**.

What We'll Accomplish:

✓ Coastal Flood Protection Alternatives

- Explore **green infrastructure** (e.g., horizontal levees) and **gray solutions** (e.g., flood walls).
- Design **sustainable systems** with minimal environmental impact.

✓ Community-Driven Solutions

- Conduct extensive outreach with **local residents, environmental groups, and partner agencies** (e.g., Caltrans, SamTrans, OneShoreline, SFO).
- Evaluate potential solutions based on **technical feasibility, cost, environmental impact, and community support**.

✓ Future Resilience

- Develop a preferred alternative with conceptual designs and cost estimates.
- Establish a foundation for **streamlined permitting, funding, and implementation**.

The Vision:

A creative and sustainable solution to sea level rise challenges that:

- **Protects critical infrastructure.**
- **Balances green and gray approaches** for lasting impact.
- **Builds resilience**, preparing for scenarios like 36 inches of sea level rise by 2100.

Next Steps:

Feasibility Phase Completion: Expected December 2026



We've secured two major grants to protect our city!

- Caltrans Climate Adaptation Planning Grant: **\$997,500**
- California Ocean Protection Council SB-1 Grant: **\$262,500**

These funds will support a **Feasibility Study** to develop **sustainable solutions** for **coastal flooding** and **sea level rise** near Colma Creek and San Bruno Creek outfalls.

Unlock the blueprint.
Scan the QR code for instant access to detailed project insights.

SCAN ME



Together, we can shape a resilient, thriving coastline for South San Francisco. Stay tuned for updates and opportunities to participate in the community workshops.

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