

Raising the Bar on Regional Resilience

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Bay Area Regional Collaborative

California Marine Affairs and Navigation Conference
Oakland, CA
September 14, 2018



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BARC MEMBERS

Association of Bay Area Governments (ABAG)

Bay Area Air Quality Management District (BAAQMD)

Bay Conservation and Development Commission (BCDC)

Metropolitan Transportation Commission (MTC)



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To Be Discussed

BARC Adaptation Efforts:

1) Coordinated Regional-Scale Planning

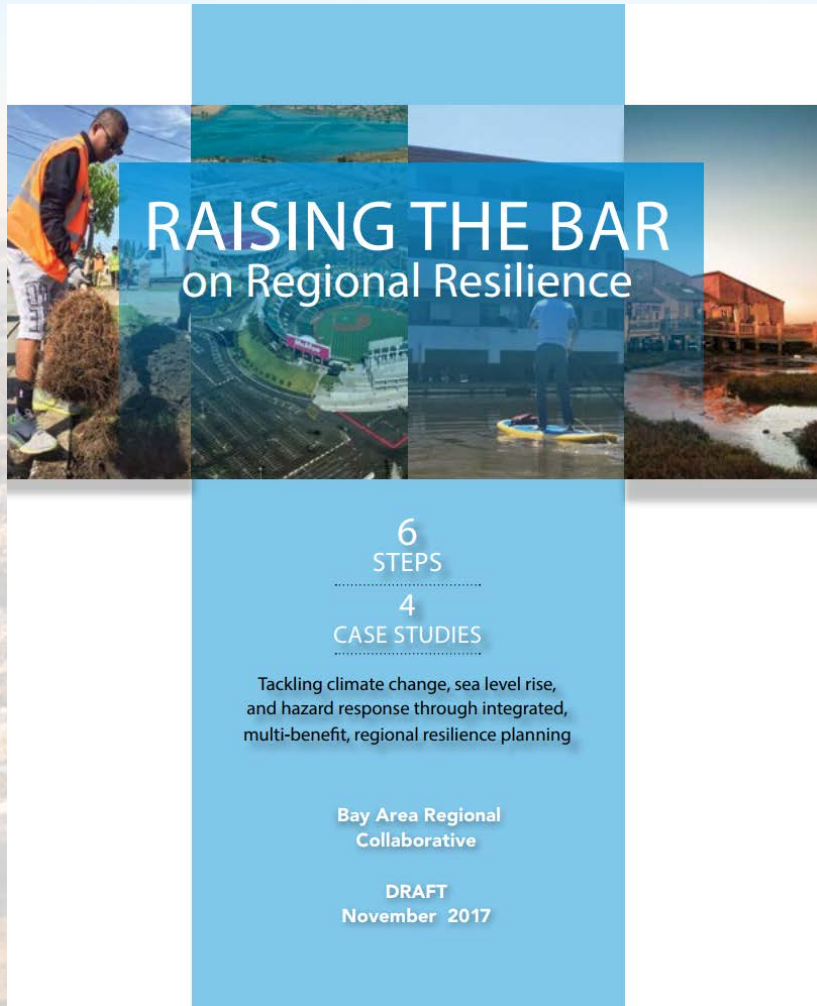
- a. Setting Goals – *Raising the Bar on Regional Resilience*
- b. Adapting to Rising Tides Bay Area
- c. Sustainable Communities Strategy - Horizon Project/ Plan Bay Area 2050

2) Advanced Planning and Implementation

- a. Resilient by Design Bay Area Challenge
- b. SB1 Advanced Adaptation Planning Grants



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6 RESILIENCE ACTIONS

Plan Bay Area 2040

1. **Develop a regional governance strategy for climate adaptation projects**
2. **Provide stronger policy leadership on resilient housing and infrastructure**
3. **Create new funding sources for adaptation and resilience**
4. **Establish and provide resilience technical services team**
5. **Expand the region's network of natural infrastructure**
6. **Establish the Regional Advance Mitigation Program (RAMP)**



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ART Bay Area

A Resilient Transportation System for Safe and Sustainable Communities

(Oct 2016 – June 2019)

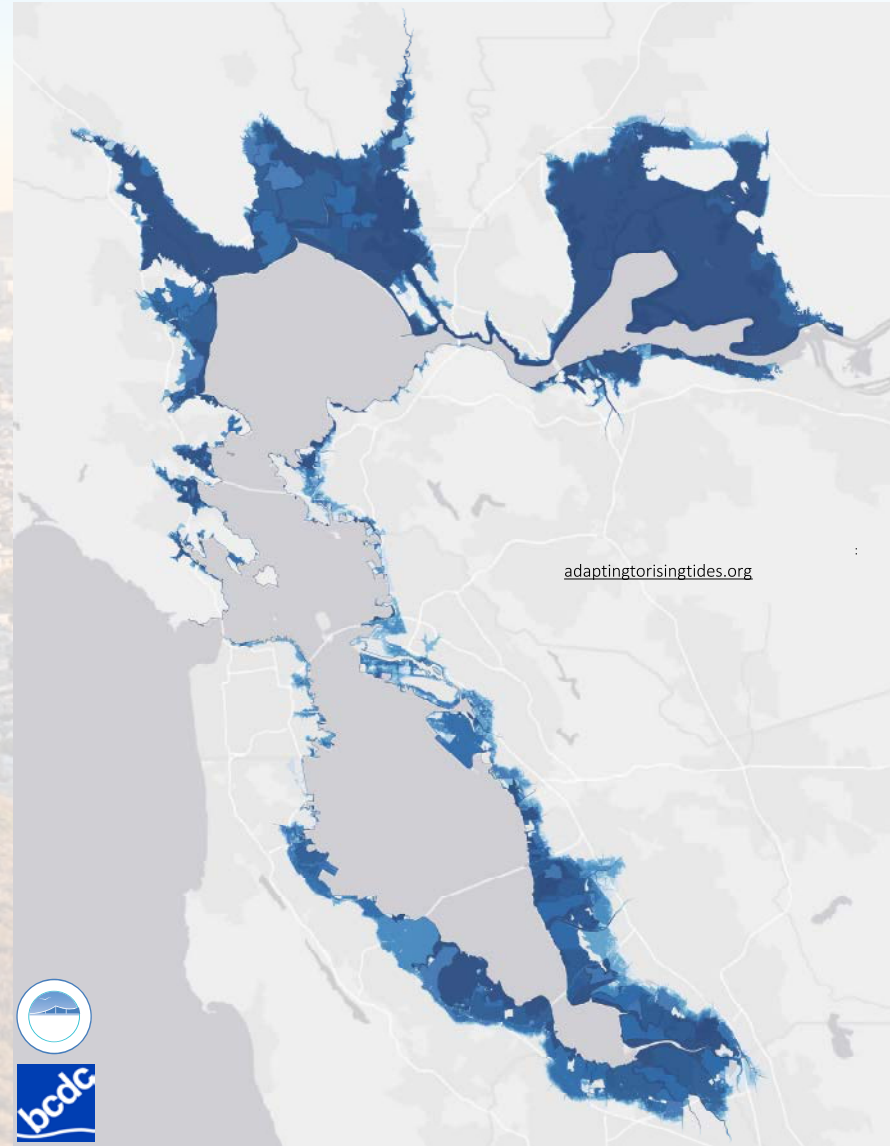
Regional-Scale Vulnerability Assessment & Strategy Development for:

- Transportation System
- Priority Development Areas (PDAs)
- Priority Conservation Areas (PCAs)
- Disadvantaged Communities

OUTCOME: Foundation for Regional Adaptation Plan



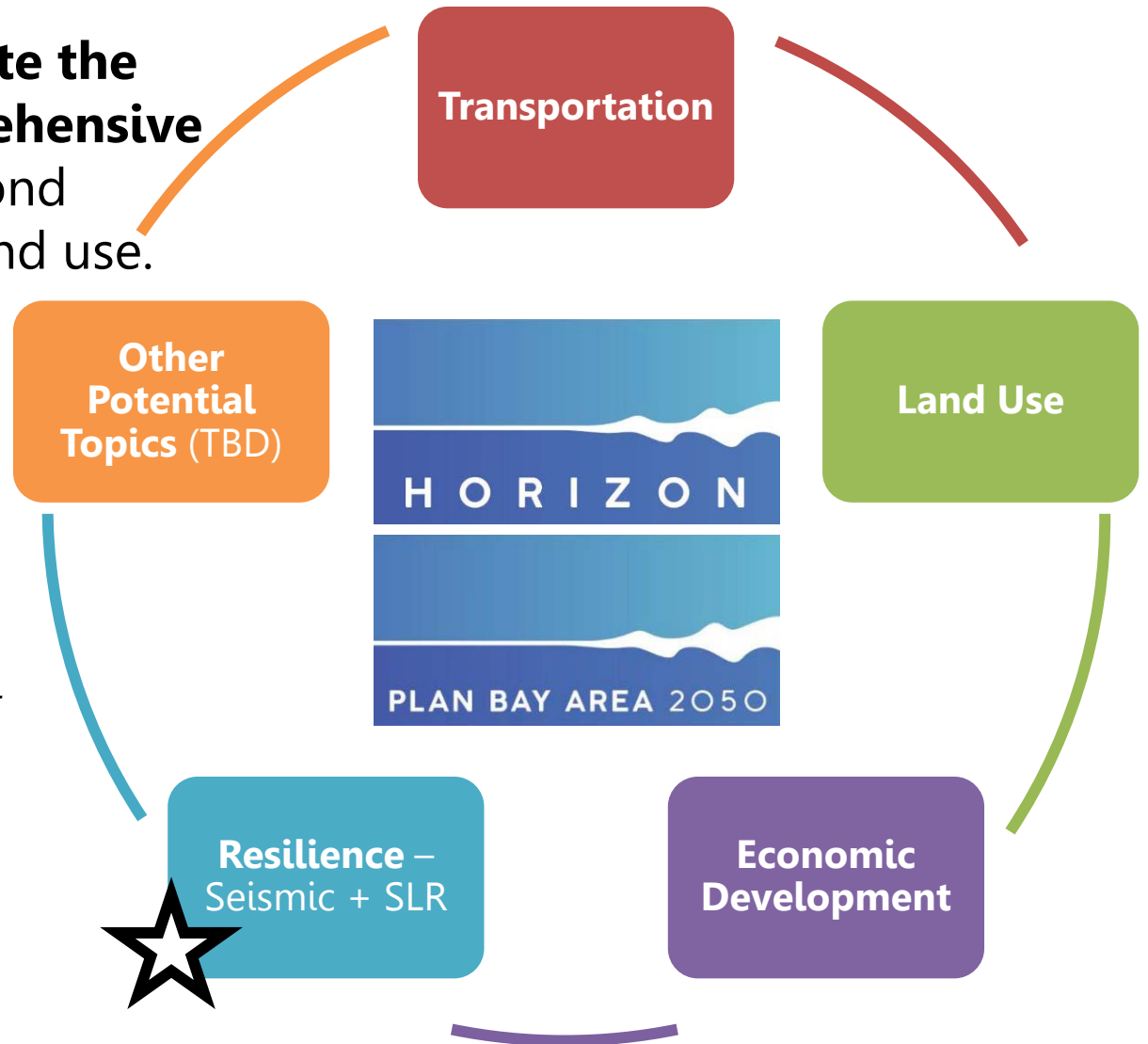
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MTC/ABAG HORIZON – PLAN BAY AREA 2050

Our vision is to create the region's first comprehensive plan, expanding beyond transportation and land use.

Horizon & Plan Bay Area 2050 will present specific strategies to address SLR challenges through 2050, while **ART Bay Area** and other local area planning for SLR will delve into longer-term strategies with much more localized detail.



Building a Coalition

RESILIENT

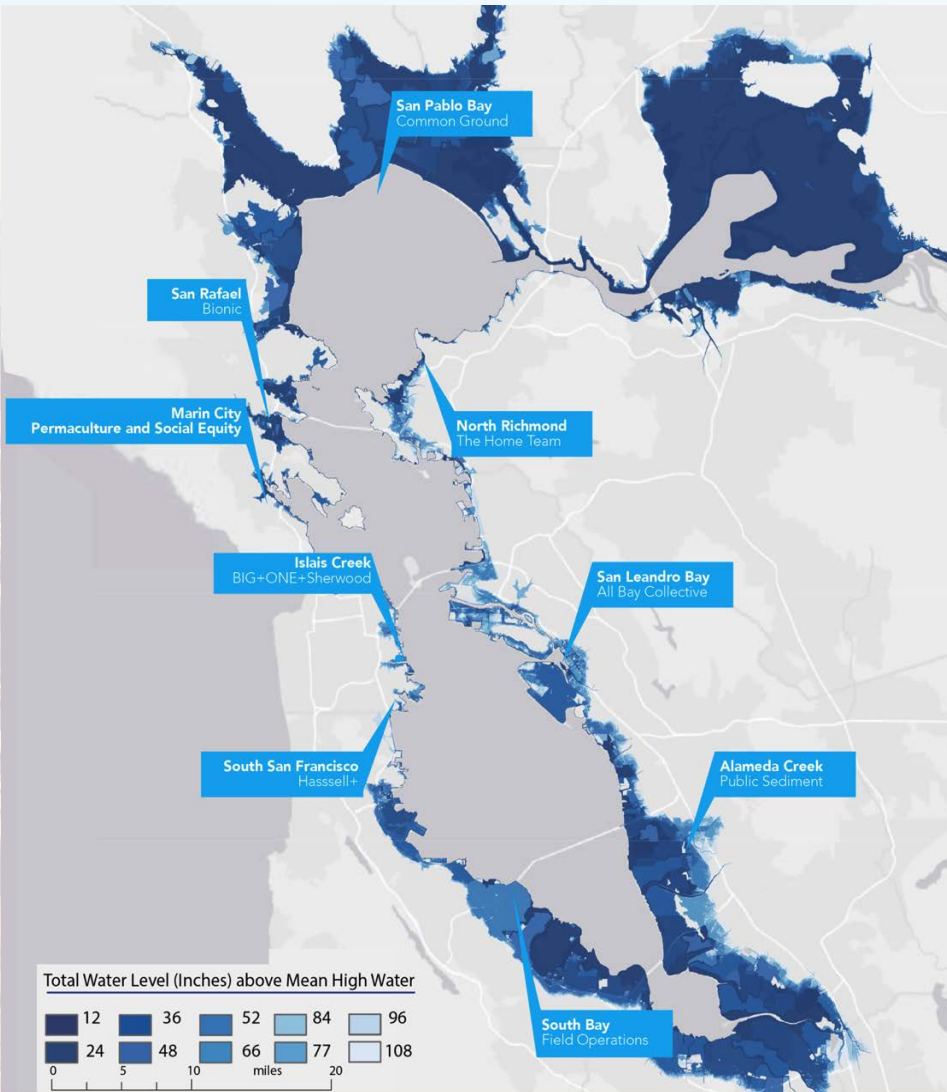
BAY AREA CHALLENGE

BY

DESIGN



Meet the RbD Projects



- ❑ **The Estuary Commons | All Bay Collective**
San Leandro Bay
- ❑ **Resilient South City | HASSELL+**
South San Francisco
- ❑ **The Grand Bayway | Common Ground**
San Pablo Bay
- ❑ **Unlock Alameda Creek | Public Sediment**
Alameda Creek, Oakland
- ❑ **South Bay Sponge | Field Operations Team**
East Palo Alto to Sunnyvale
- ❑ **Islais Hyper-Creek | BIG+ONE+Sherwood**
Islais Creek, San Francisco
- ❑ **Peoples Plan | P+SET**
Marin City
- ❑ **Elevate San Rafael | Bionic Team**
San Rafael
- ❑ **ouR-HOME | The Home Team**
North Richmond

Connect & Collect: Resilient South City

San Mateo County

Collect & Connect - Resilient South City is a proposal to create more public space and access along South San Francisco's Colma Creek, aiming to reduce the impacts of flooding, mitigate against sea-level rise vulnerability, restore native flora and fauna, and create more amenity and healthy lifestyle opportunities by connecting a continuous green corridor from Orange Memorial Park to a new public park at the shoreline.



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Widen Colma Creek



HASSELL+



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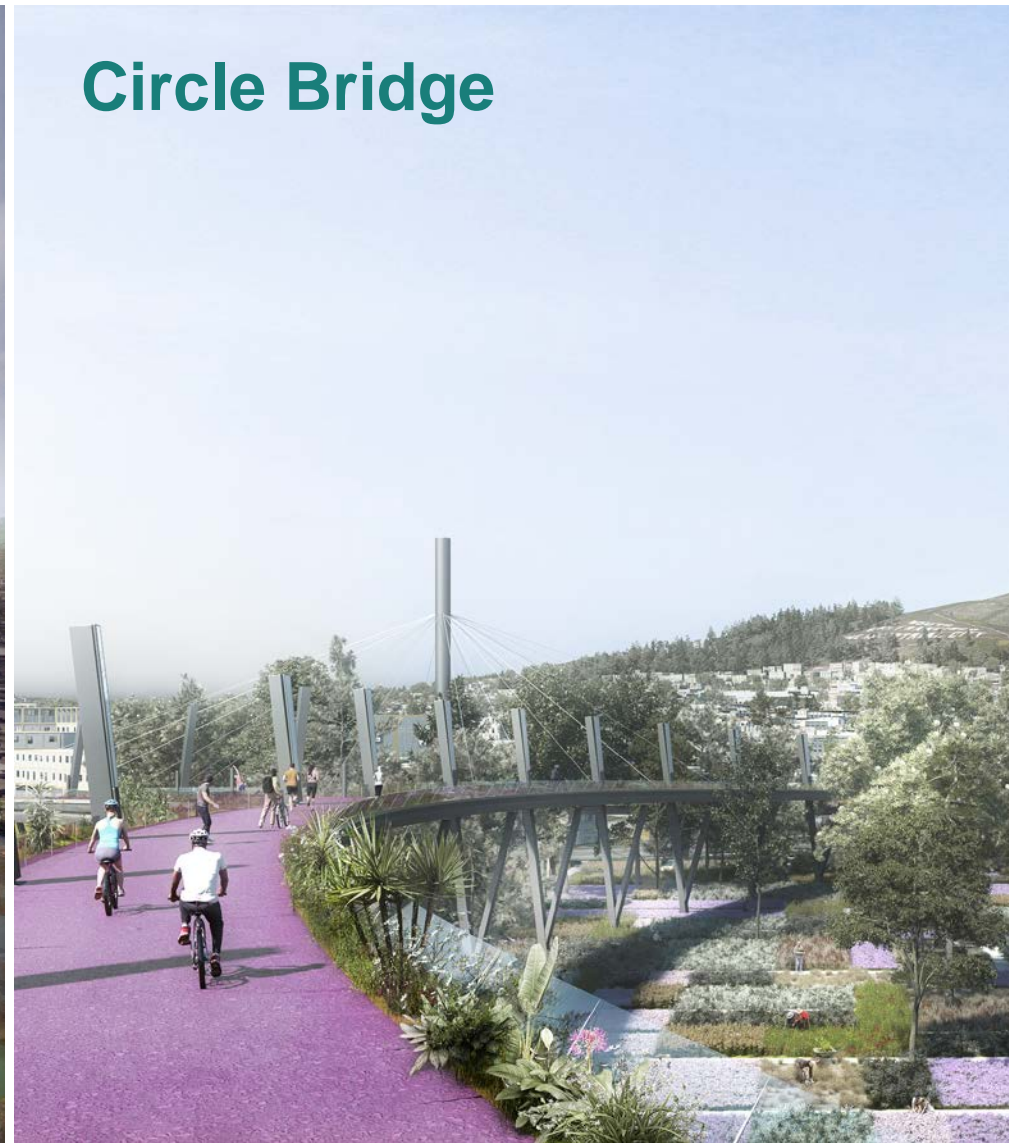
BY

DESIGN

Living Levee



Circle Bridge



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The Grand Bayway

Solano County | Napa County | Sonoma County

The project considers a new future for highway 37 as an elevated scenic byway, creating an iconic “front door” to a vast ecological open space previously known to few. Accessible to cyclists, runners, kayakers, campers, and fishermen, the Grand Bayway will become a Central Park with more 21st century sensibilities for rapidly expanding North Bay communities.

Common Ground



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Mare Island Gateway



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Elevated Highway 37



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Lessons LEARNED

COMMUNICATE w/ 'STAKEHOLDERS':
LESS JARGON
DIE FUN

COMMUNICATE the URGENCY!

AD A CHAMPION
EACH DESIGN PROPOSAL

REGION & STATE need to OWN AFFORDABLE HOUSING
(RELYING ON PRIVATE INDUSTRY IS FRAGMENTING OUR COMMUNITY)

PROCESS
WE NEED A PAID CITIZEN JURY for the NEXT DESIGN CHALLENGE
WE NEED a SYSTEMS THINKING APPROACH! (For ALL aspects... Not just Ecological)

Initial: mail...
Steps clearly

BE WELL ORGANIZED BEFORE a DISASTER

COULD BE A Great DESIGN, BUT IF COMMUNITY DOESN'T EMBRACE IT... IT WON'T WORK

WORK w/ COMMUNITY BEFORE LAUNCHING projects

INVEST IN COMMUNITY ENGAGEMENT from BEGINNING

COMMUNITY

INCLUDE Community members in DESIGNING physical infra-STRUCTURE

PLACE NAMES MATTER

'AGENCY' COMES FROM STABILITY (& Need Agency to ACT)

COMMUNITY SHOULD SELECT DESIGN teams.

BE HOLISTIC

INTEGRATED FRAMEWORK/ PRINCIPLES

EQUITY... MUST BE INTENTIONAL!
DESIGNERS & PLANNERS SHOULD BE USED AS TOOLS... (vs. Communities being used as tools)

COOPERATION AMONG AGENCIES & COMMUNITY

GOVERNANCE

EMBED RESILIENCY INTO ALL: HOUSING ACCESS MOBILITY Plans

DISPLACEMENT & ROLE of Regional GOVERNANCE

FRAGMENTATION of WATER Governance in BAY REGION...

NEED GOV. INFRASTRUCTURE (CBDs, GHADs) TO RECEIVE/ TAKE ADVANTAGE of FUNDING

EDUCATION

A POWERFUL TOOL to ADDRESS SOCIAL RESILIENCY & EQUITY, CAPACITY BLDG, & INTER-DISCIPLINARY COLLABORATION

ACADEMIC SCHOLARLY LANGUAGE

DISCONNECT IN LANGUAGE USED... RE: CLIMATE CHANGE

USED IN PLANNING... DOES NOT TRANSLATE

AVG. CITIZEN or ELECTED OFFICIAL



UNDERSTANDING & AWARENESS of COMPLEXITY of PROBLEM

CRITICAL! WRITE GRANTS... TOOLS...

HUMAN/NATURE WIN/WINS

CO. BENEFIT

ECOLOGY

NEED to VALUE NATURAL HABITAT MORE... WHY DO WE HAVE to "JUSTIFY" MARSHES?

DATA

SHARE DATA w/ PUBLIC & PRIVATE SECTOR

ADDRESS the DATA GAPS

CAPACITY BUILDING

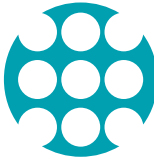
INVEST IN SOFT SKILLS TRAINING to ENHANCE STAKEHOLDER ENGAGEMENT

To Deliver FUNCTIONAL ACTION PLANS!

IMPT to HAVE TRUSTING PARTNERS/ DIALOGUE

TECHNICAL TRNG & RESOURCES needed IN COMMUNITY & IN PUBLIC AGENCIES

5.18.2018 | EMILY SHEPARD · THE GRAPHIC DISTILL



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SB1 Advanced Adaptation Planning

Project Management Team:
BARC, BCDC, MTC/ABAG,
State Coastal Conservancy, Caltrans

**South San
Francisco
Hassel+**

**North
Bay/State
Route 37
Common
Ground**

**San
Leandro
Bay
All Bay
Collective**

**Dumbarton
Bridge
Approach
East Palo
Alto**



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Accelerating Progress through Collaboration



SB1 Planning Grants



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THANK YOU!

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