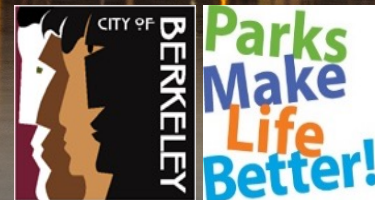


Berkeley/WETA Pier & Ferry Feasibility Study

Community Workshop #2
6:30 pm, August 10th, 2021



Agenda

6:30 Welcome, Project Background, Public Input Summary

- Project history and objectives
- Pier structural assessment findings
- Public input and City/WETA Board Check-in

6:40 Planning Concept Presentations

- Landside Options
- Waterside Options
- Evaluation Considerations

7:10 Breakout Work Session

8:15 Breakout Group Reporting Back & Next Steps

Presenters:

Peter Bluhon, Facilitator

Scott Ferris, City of Berkeley

Nelson Lam, City of Berkeley

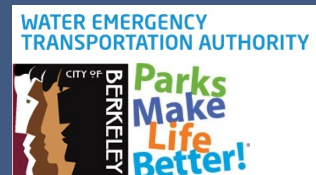
Michael Gougherty, WETA

Craig Lewis, GHD

Ali Endress, City of Berkeley

Kent Royle, Wong Logan

Alex Mercuri, Nelson\Nygaard



Tonight's Purpose & Subsequent Meetings

Workshop #1

- Introduce Pier/Ferry Study.
- Discuss options; gather feedback.

Planning steps

- City Council Work Session 2/16/21.
- WETA Board Session 3/4/21.
- Review workshop feedback.
- Develop landside and waterside options.



Workshop #2

- Present/discuss Potential Options.

Workshop #3

- Present Preferred Conceptual Alternative.

January 2021

Feb - June

Aug 10

Oct/Nov 2021

Supporting Policies & Studies



WATER EMERGENCY
TRANSPORTATION AUTHORITY

City of Berkeley

Policy:

- ***City General Plan Updates (2001)***
- ***Climate Action Plan (2012): Sustainable transit***
- ***Local Hazard Mitigation Plan (2019):***

Studies:

- ***Berkeley Municipal Pier Structural Assessment***
- ***Small-scale Ferry Transportation Feasibility Study on Waterside Improvements***

Water Emergency Transportation Authority

Policy:

- ***System Expansion Policy (2015):*** Standards & process for new ferry services.
- ***Strategic Plan (2016):*** Identifies Berkeley as near-term project.
- ***Emergency Response Plan (2016):*** Sets WETA role in emergency water transportation.
- ***Plan Bay Area 2050 (pending):*** Includes Berkeley as 'Regionally Significant Project.'

City of Berkeley & WETA MOU (2019)

Mission: WETA & City of Berkeley envision a pier with ferry service and recreational access that can deliver synergistic benefits for the Berkeley Waterfront, and local and regional transportation and public safety.

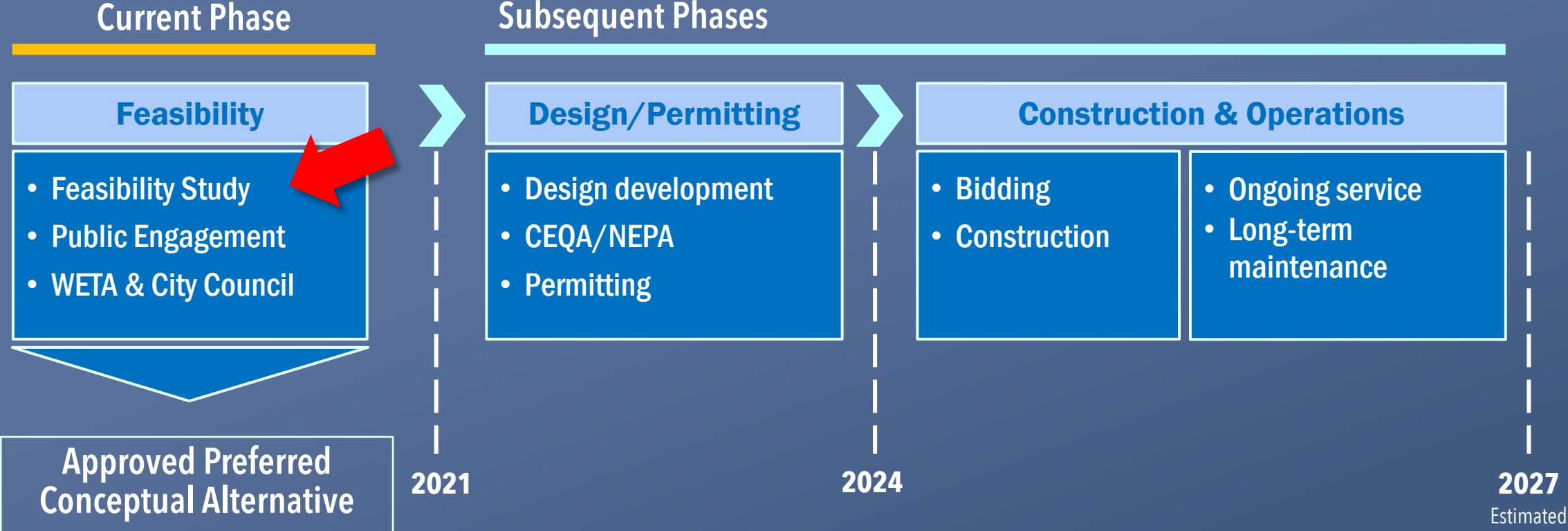
Study Goal:

Study the feasibility of creating a multi-use pier for new ferry service and recreational public access.

Objectives:

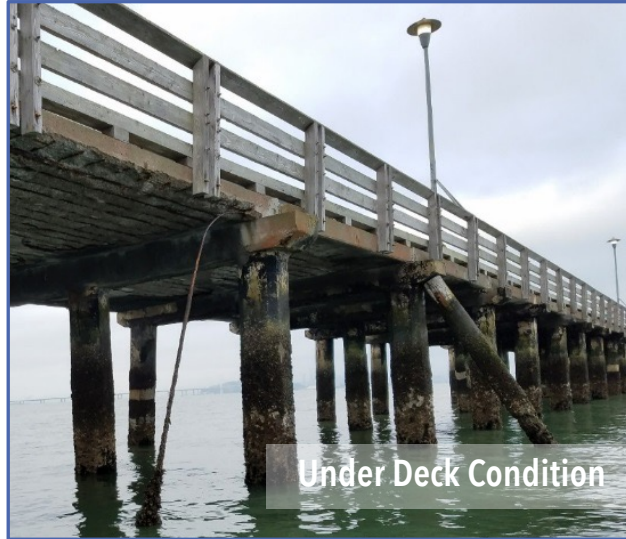
- ✓ Seek a viable solution to rehabilitate the existing OR build a new pier.
- ✓ Develop a concept plan for parking, transit access, and recreation.
- ✓ Engage the Berkeley community throughout the planning process.

Phases of the MOU

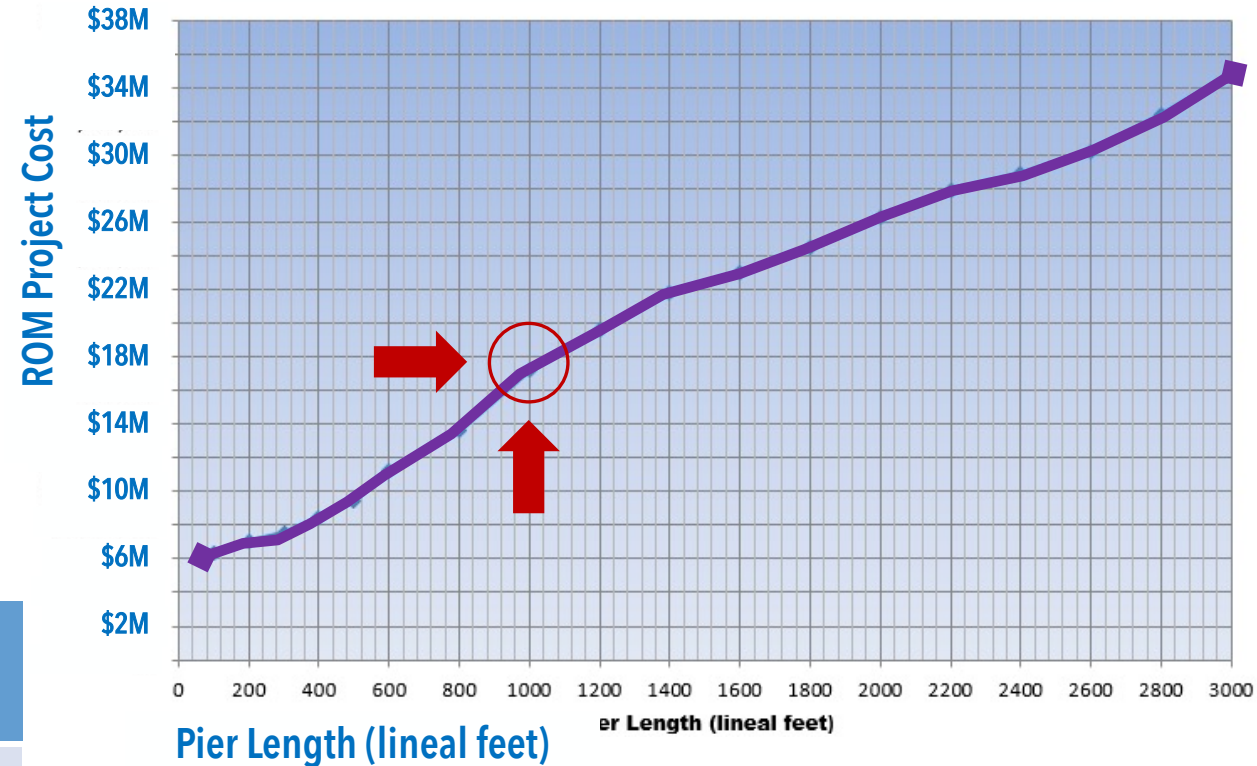


Note: MOU may be terminated at any phase upon mutual agreement.

Pier Structural Assessment – Project History



Replacement Pier Length vs ROM Total Project Cost



Note: 1,000LF of new pier = \$17M to \$18M

| Renovation Options | Estimated Project Costs* (3,000 LF Pier) | Repair Interval Longevity | Life Cycle Costs |
|--------------------------|--|-----------------------------|------------------|
| 1. Rehabilitation | \$22–\$48M | 10 yrs 10–15 yrs | \$2M/yr |
| 2. Seismic Strengthening | \$41–\$65M | 10–15 yrs 30–50 yrs | \$1M/yr |
| 3. Replacement | \$32–\$44M | 20+ yrs 70 yrs | \$0.5M/yr |

Recommended Option

* Escalated to Year 2023

Public Process Steps to Date

- Focus Group Sessions – January 5, 6, 7
- Community Workshop #1 – January 21, 2021
- **City Council Work Session – February 16, 2021**
- **WETA Board informational presentation – March 4, 2021**
- Online Questionnaire – April to June

FOCUS GROUP + WORKSHOP #1

General Comments

Potential Benefits

Ferry can be a BART alternative – offers relaxing, different experience.

Supports a multi-modal transit system, reducing cars on the road.

Ferry creates potential funding opportunity to build a new pier.

A direct route to SF from Berkeley

Concerns & Questions

What is long-term viability: ridership levels now and future, first/last mile convenience, cost, competition?

Avoid/mitigate impact on marine life, shorebird habitat, waterfowl.

Mitigate noise & water turbidity (fishing and swimming impacts).

Ferry & Waterfront

Scale parking & transit to harmonize with existing uses – preserve existing open space feel.

Improve access to and recreation in the Waterfront – keep ferry use consistent with this objective.

FOCUS GROUP + WORKSHOP #1

Siting Ideas & Pier Design

Siting & Ferry Operations

Pier scheme should:

- minimize dredging & env. impacts
- limit breakwater issues
- make compatible w/ recreational boaters

Make parking a multi-functional space if/when private vehicle use drops.

Implement shuttle service to limit cars.

Pier Design

Create a wide pier to accommodate ferry & recreational users.

Emphasize public & recreational use.

Provide sufficient space for fishing.

Consider kayak/windsurf put-in.

Remove derelict portion of pier.

Community Workshop #1 – Questionnaire Results

- Extended opportunity for public input after Workshop #1 through June 6th.
- 8 questions on ideas/preferences for ferry use, mobility, pier design.

377 total responses

Questionnaire – Open Ended Responses 1 of 2

Mobility

Create a shuttle network.

Provide EV chargers.

Create well-lit, safe walk and bikeways.

Interpretive Information

Interpretive signage about marine resources, habitat, birds.

Signage about history of Ohlone.

Binoculars for bird viewing.

Viewing overlook on landside.

Pier Amenities

Kayak/SUP rentals and a docking and launch area.

Play area for kids & children's programming.

Sufficient seating shaded/unshaded and wind-sheltered.

Area for walking/strolling.

Restaurants, wine bar, cafes, food vendors, retail.

Questionnaire – Open Ended Responses 2 of 2

Safety

More nighttime lighting at pier and parking areas.

Increased safety patrol.

Make it sanitary, clean, especially restrooms.

Programming

Create space for music, concerts, performance arts.

Sponsor festivals at the pier.

Create murals by local artists.

Food trucks.

Landside Concepts

A. Clustered Parking

B. Dispersed Parking



1 DRIVE-IN MOVIES & CONCERTS



1 EVENTS, PARTIES, FOOD TRUCKS/FESTS

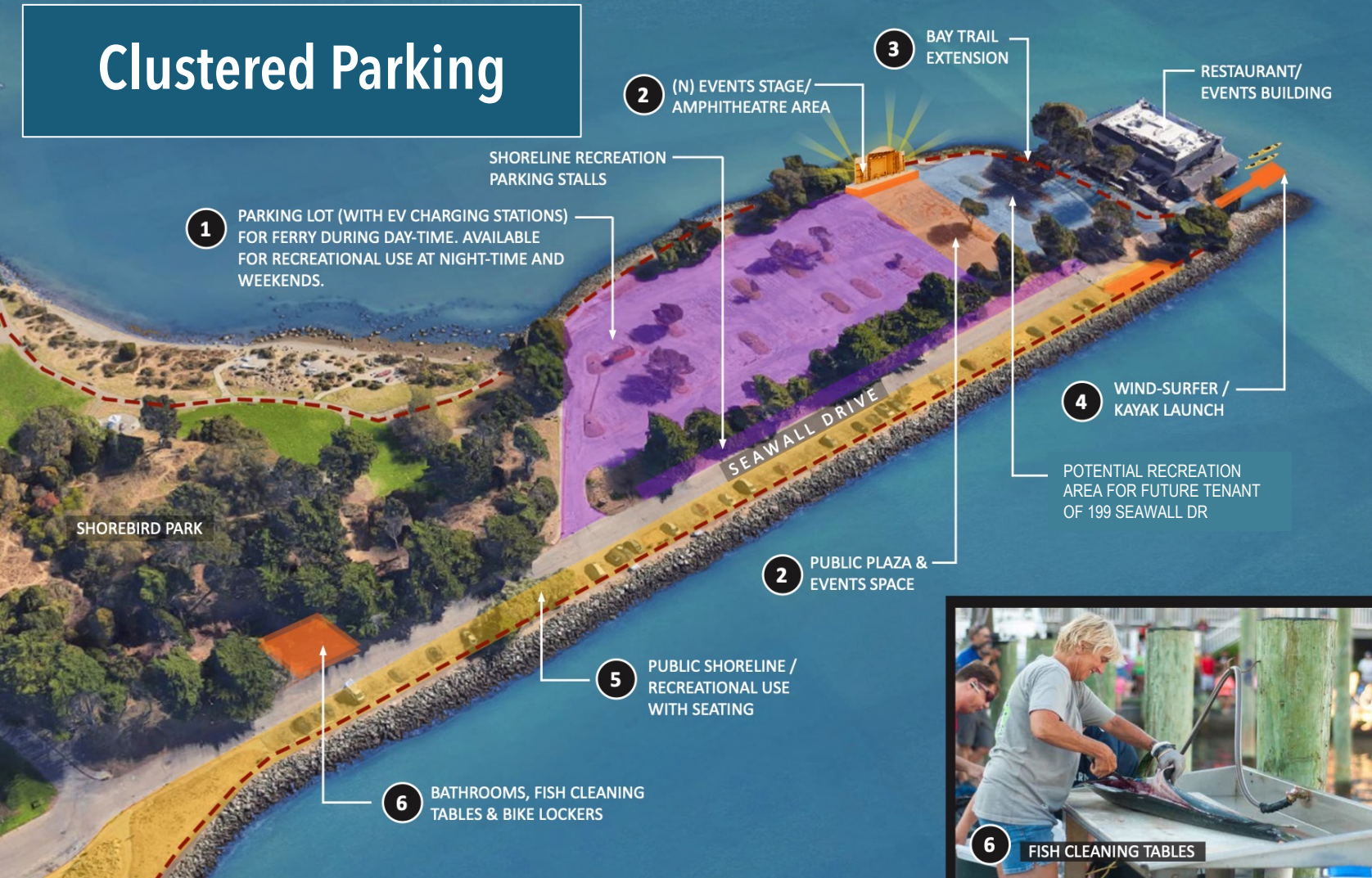


1 FARMER'S MARKET



2 PERFORMANCES/SHOWS

Clustered Parking



3 EXTENDED BAY TRAIL



4 KAYAK LAUNCH

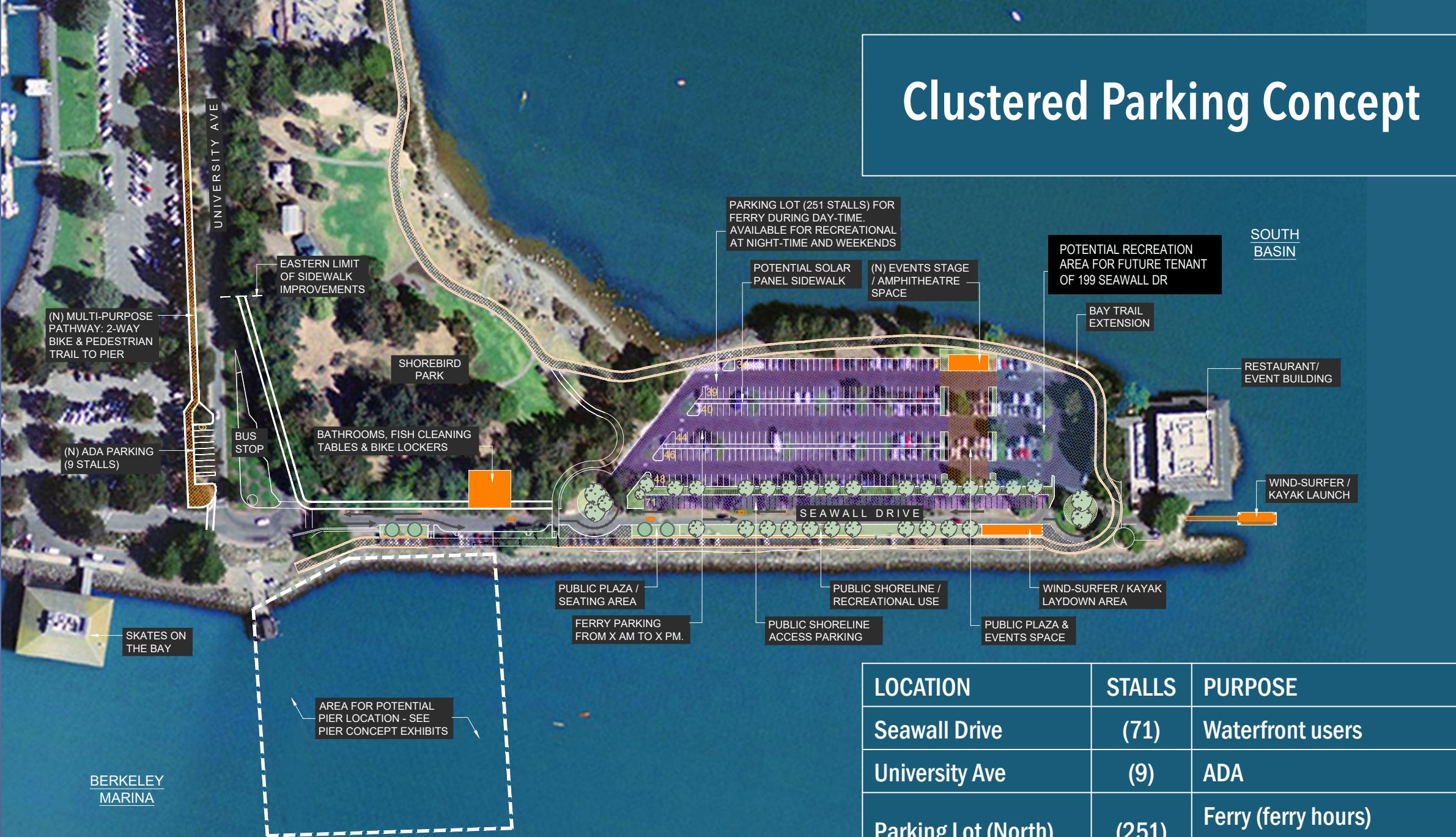


6 FISH CLEANING TABLES



5 PUBLIC SHORELINE

Clustered Parking Concept



| LOCATION | STALLS | PURPOSE |
|---------------------|--------|--|
| Seawall Drive | (71) | Waterfront users |
| University Ave | (9) | ADA |
| Parking Lot (North) | (251) | Ferry (ferry hours) General (non-ferry) |

Dispersed Parking Concept



NEW PARKING ALONG MARINA BLVD

MARINA BLVD

(E) SOUTH COVE EAST PARKING LOT

SOUTH COVE WEST PARKING LOT

SOUTH BASIN

NEW ON-STREET PARKING ALONG UNIVERSITY AVE

POTENTIAL HOTEL / RESTAURANT AREA

SHOREBIRD PARK

RESTAURANT / EVENTS BUILDING

BERKELEY MARINA

SKATES ON THE BAY

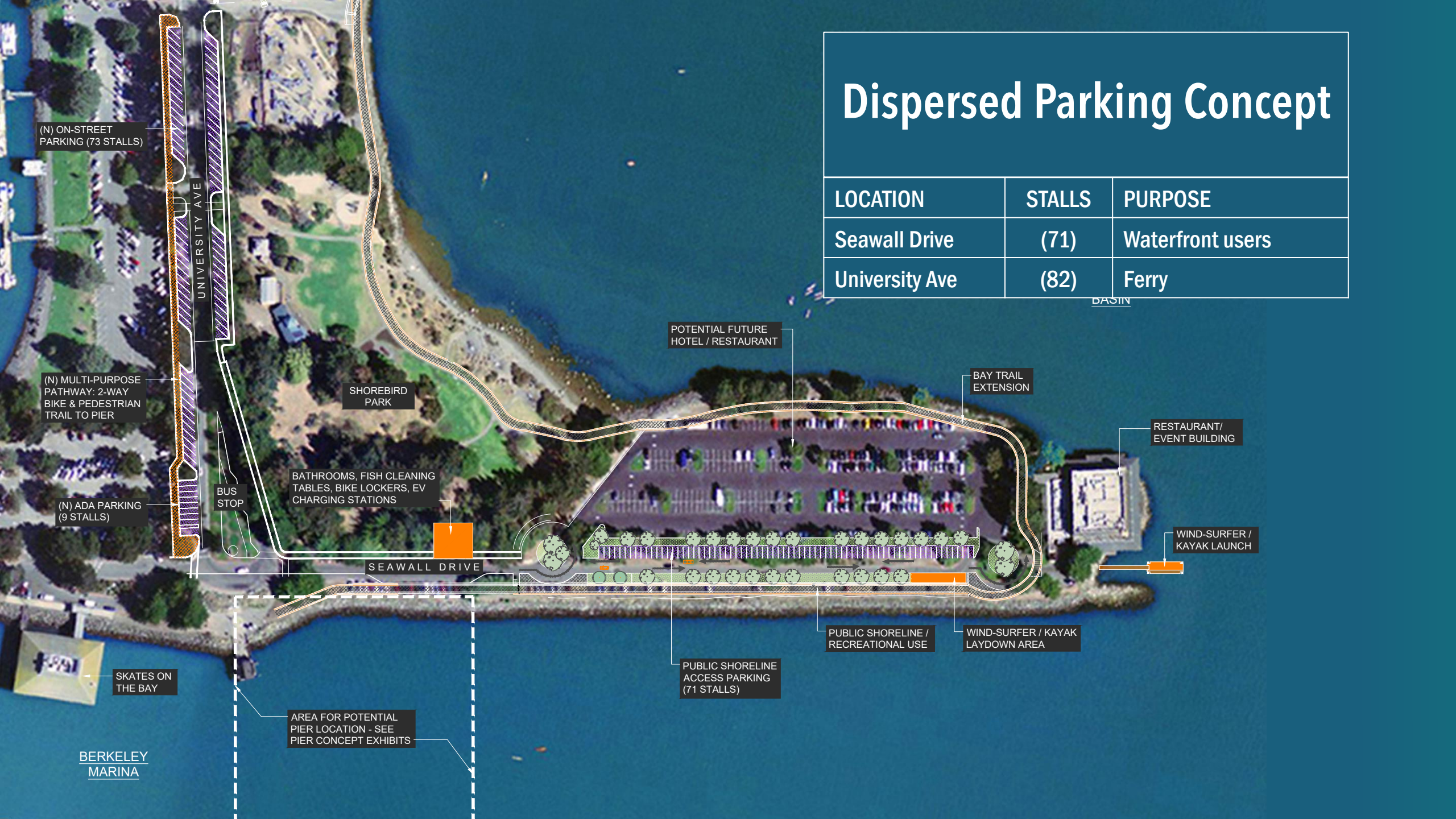
UNIVERSITY AVE

SEAWALL DRIVE

NEW BUS TERMINUS AND RIDE SHARE DROP OFF

Dispersed Parking Concept

| LOCATION | STALLS | PURPOSE |
|----------------|--------|------------------|
| Seawall Drive | (71) | Waterfront users |
| University Ave | (82) | Ferry |



(N) ON-STREET PARKING (73 STALLS)

(N) MULTI-PURPOSE PATHWAY: 2-WAY BIKE & PEDESTRIAN TRAIL TO PIER

(N) ADA PARKING (9 STALLS)

UNIVERSITY AVE

SHOREBIRD PARK

BATHROOMS, FISH CLEANING TABLES, BIKE LOCKERS, EV CHARGING STATIONS

BUS STOP

SEAWALL DRIVE

POTENTIAL FUTURE HOTEL / RESTAURANT

BAY TRAIL EXTENSION

RESTAURANT / EVENT BUILDING

WIND-SURFER / KAYAK LAUNCH

PUBLIC SHORELINE / RECREATIONAL USE

WIND-SURFER / KAYAK LAYDOWN AREA

PUBLIC SHORELINE ACCESS PARKING (71 STALLS)

SKATES ON THE BAY

AREA FOR POTENTIAL PIER LOCATION - SEE PIER CONCEPT EXHIBITS

BERKELEY MARINA

Dispersed Parking Concept



(N) MULTI-PURPOSE PATHWAY: 2-WAY BIKE & PEDESTRIAN TRAIL

BERKELEY MEADOW

ROUNDBOUT

(N) PARKING ALONG MARINA BLVD (200 STALLS + 5 ADA)

PARKING LOT FOR SLIP HOLDERS (49 STALLS)

(E) SOUTH COVE EAST PARKING LOT

DOUBLETREE HOTEL

UNIVERSITY AVE

SOUTH COVE WEST PARKING LOT (100 STALLS + 4 ADA)

BERKELEY MARINA

(N) MULTI-PURPOSE PATHWAY: 2-WAY BIKE & PEDESTRIAN TRAIL TO PIER

(N) ON-STREET PARKING (73 STALLS)

BAY TRAIL

SOUTH BASIN

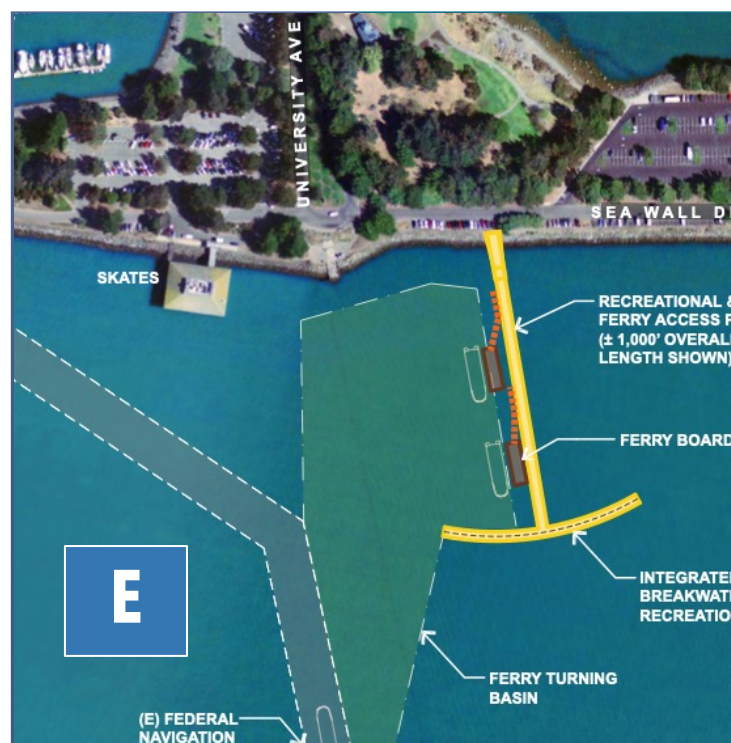
| LOCATION | STALLS | PURPOSE |
|-----------------------------|--------|------------|
| Marina Blvd | (158) | Ferry |
| Seawall Dr | (71) | Waterfront |
| South Cove West Parking Lot | (10) | Ferry |
| University Ave | (82) | Ferry |

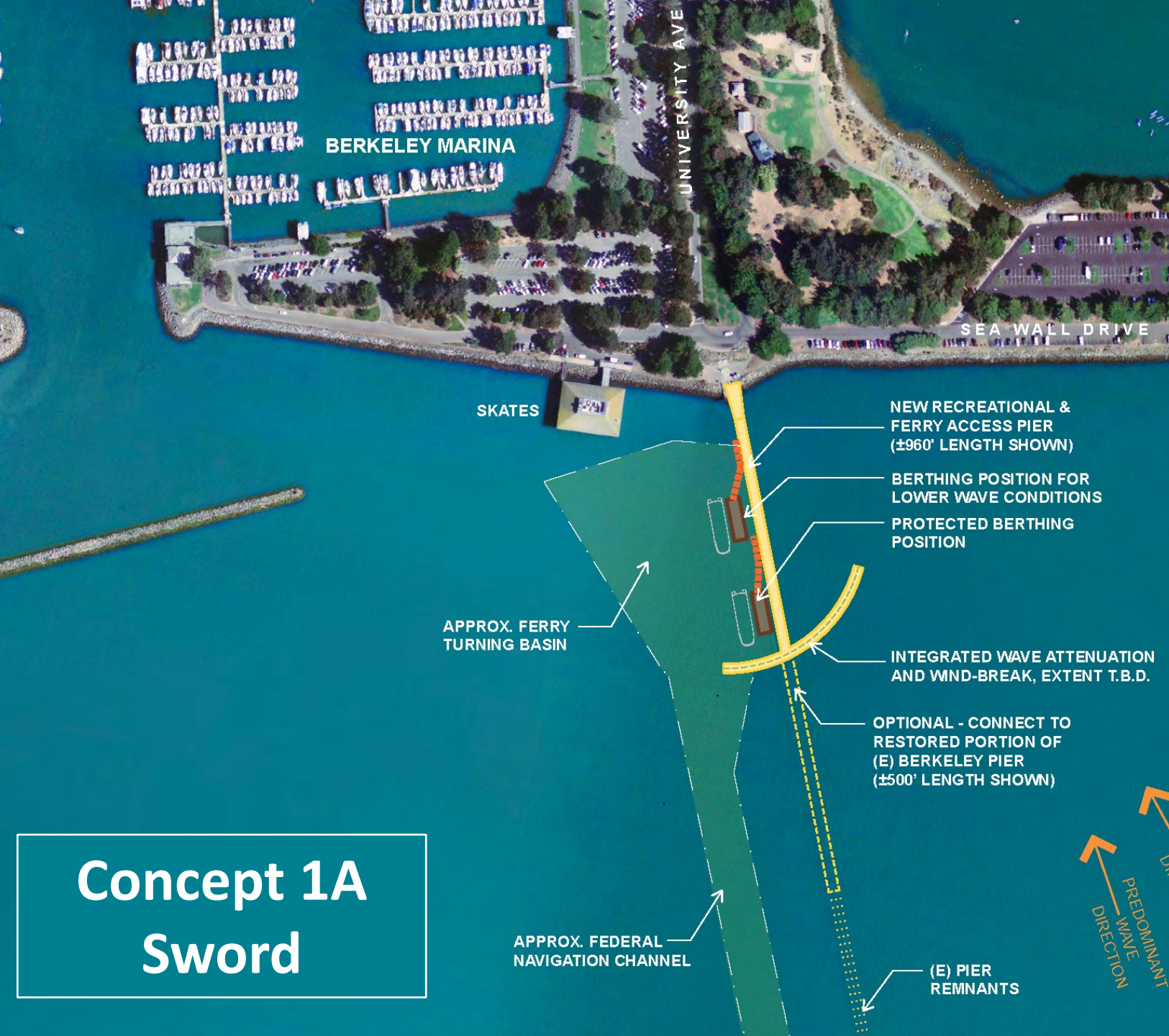
Considerations for Landside Concepts

| | | Concept A | Concept B |
|----------------------|--|------------------------------------|-----------|
| | | Clustered | Dispersed |
| Implementation | • Constructability | Better | Fair |
| | • Centralized EV charging & green infrastructure | Better | Fair |
| | • Flexible configuration for future development | Fair | Good |
| Mobility | • Supports biking, walking, transit access | Better | Good |
| | • Supports convenient parking access and management | Better | Fair |
| | • Effective wayfinding and user-friendly | Better | Fair |
| Visual & Placemaking | • Harmony with and enhancement of the Waterfront | Focus today in Breakout Session | |
| | • Enhances public safety | | |
| | • Minimizes parking footprint to allow for more greenspace | | |
| Recreation | • Provides space for diverse recreation uses | | |
| | • Flexible space for recreation/events during low parking demand | | |
| | • Leverage existing parking supply to support waterfront uses | | |

Waterside Concepts

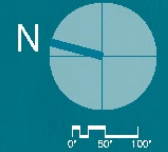
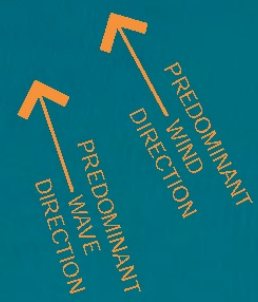
Pier Examples Workshop #1





Concept 1B

- NEW RECREATIONAL & FERRY ACCESS PIER (±960' LENGTH SHOWN)
- BERTHING POSITION FOR LOWER WAVE CONDITIONS
- PROTECTED BERTHING POSITION
- INTEGRATED WAVE ATTENUATION AND WIND-BREAK, EXTENT T.B.D.
- OPTIONAL - CONNECT TO RESTORED PORTION OF (E) BERKELEY PIER (±500' LENGTH SHOWN)
- (E) PIER REMNANTS



**Concept 1A
Sword**

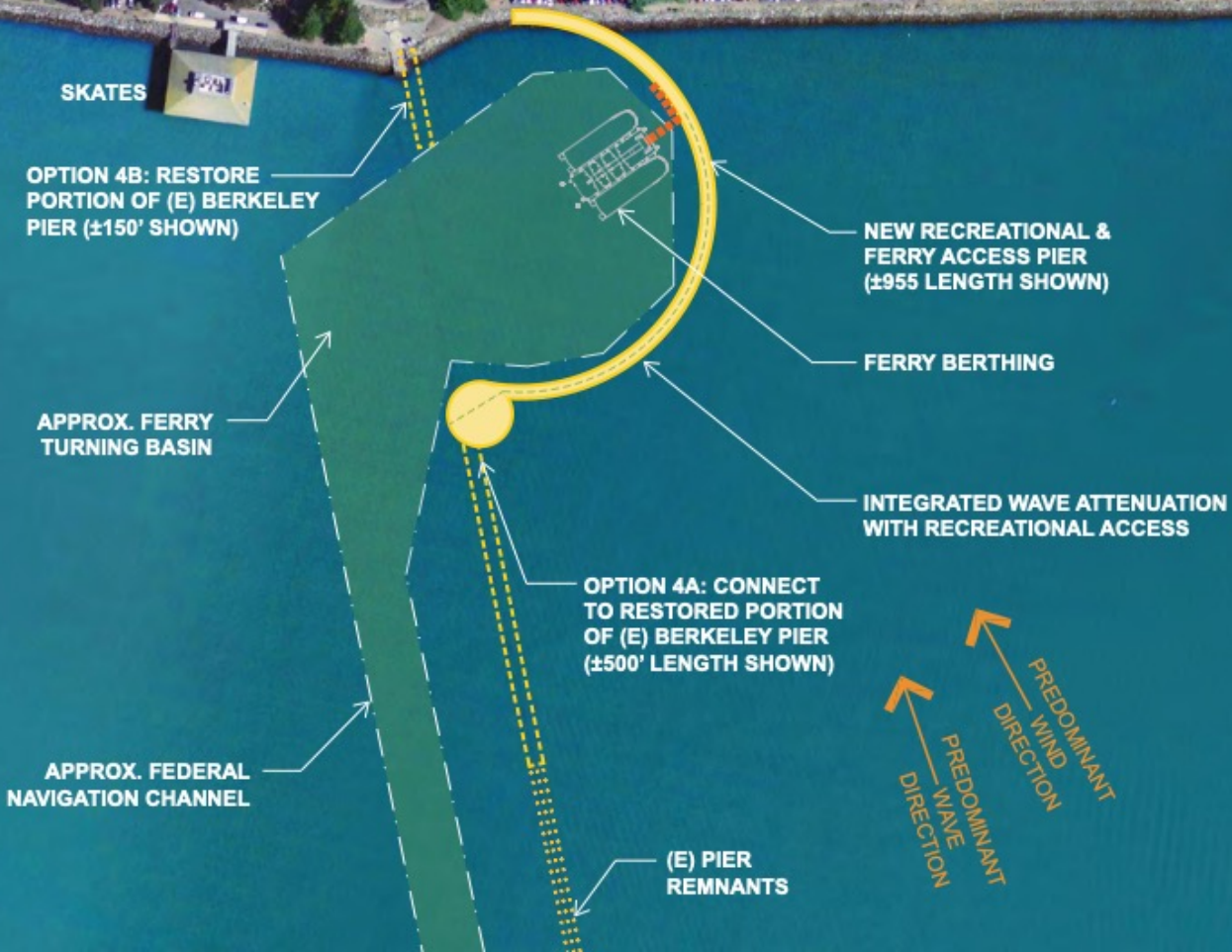
Concept 2 Dog Leg



Concept 3 Fish Hook



Concept 4 Circle



Considerations for Waterside Concepts

| | | 1A | 1B | 2 | 3 | 4 |
|----------------------|---|--------|--------|---------|-----------|--------|
| | | Sword | Sword | Dog Leg | Fish-Hook | Circle |
| Implementation | • Amount of dredging | Better | Good | Fair | Poor | Fair |
| | • Constructability | Better | Better | Good | Fair | Fair |
| | • Green infrastructure | Better | Better | Better | Better | Better |
| Ferry Operations | • Wind/Wave Protection | Better | Good | Fair | Poor | Better |
| | • Vessel maneuverability | Good | Better | Good | Poor | Better |
| | • Avoids potential conflicts with recreation watercraft | Good | Good | Better | Poor | Better |
| Visual & Placemaking | • Overall pier experience | | | | | |
| | • Harmony with former pier | | | | | |
| | • Consistency with existing Waterfront culture/experience | | | | | |
| Recreation: On-Pier | • Unimpeded access for fishing, walking, recreation | | | | | |
| | • Length of pier set aside for fishing, walking, recreation | | | | | |
| | • Bay views and experience | | | | | |
| Recreation: In-Water | • Reduced conflicts with marina boating | | | | | |
| | • Reduced conflicts with watersports | | | | | |
| | • Reduced pier and ferry operation footprint | | | | | |

**Focus today in
Breakout Sessions**

Breakout Group Agenda

7:10 - 8:15

1. Recap Waterside Concepts and evaluation considerations.
 - a) What do you like and not like about each concept?
 - b) Discuss alternative Concepts using "Evaluation Considerations".
2. Recap Landside Concepts.
 - a) What elements do you like and not like?
 - b) Discuss alternative Concepts using "Evaluation Considerations".
3. Summarize discussion highlights for reporting back to full group.

Contact & Project Info

- ✓ Send contact info or inquiries to bmasp@CityofBerkeley.info
- ✓ Pier/Ferry Project webpage: www.cityofberkeley.info/parks/pier/
 - Presentations slides from Workshop
 - Workshop results
 - Questionnaire Results Report
 - FAQ
- ✓ Workshop #3, early October 2021 (TBA)
- ✓ City Council & WETA Board Process Early December 2021 (TBA)