

Workshop Agenda

- 6:30 Agenda Overview Facilitator
- 6:35 City & WETA Welcome Scott Ferris, Berkeley & Kevin Connolly, WETA
- 6:40 Responding to Community Questions and Feedback
 - Summary of Public Comment
 - WETA Business Plan and Ferry Viability
 - Linkage to BMASP and Economic Objectives
 - Questions on presentations? Enter in Zoom Chat following presentations.
- 7:00 Present Preferred Conceptual Alternative
- 7:20 Facilitated Discussion and Public Comments
- 8:20 Next Steps and Adjourn



Public Engagement Steps

Workshop #1

• Introduce Pier/Ferry Study & Pier Samples

January 21, 2021

Planning

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

Feb - June

Questionnaire

• Questionnaire on ferry & pier preferences

March - June

Workshop #2

• Present/discuss Waterside & Landside Concepts

Aug 10

Planning

Develop a preferred conceptual alternative

Aug - October

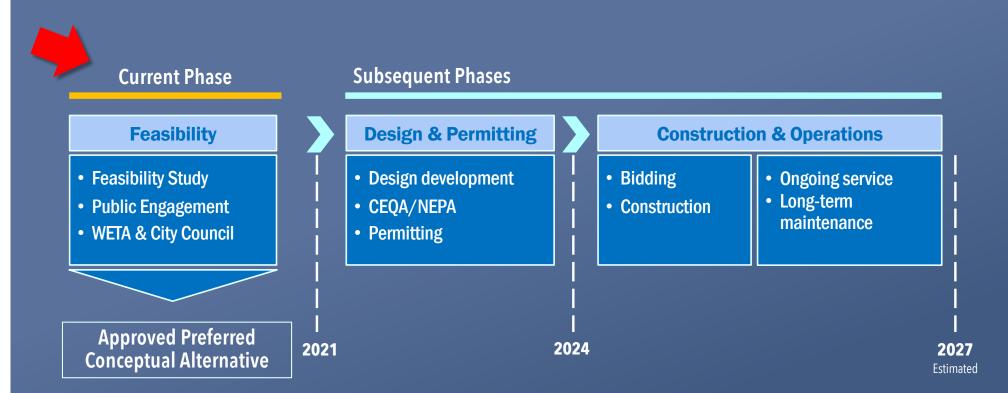
Workshop #3

Present Preferred Conceptual Alternative

Oct 27, 2021



Phases of MOU



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



Summary of Public Comment

- 3 Focus Group Sessions January
- Workshop #1 January
- Online Questionnaire March to June
- Workshop #2 August



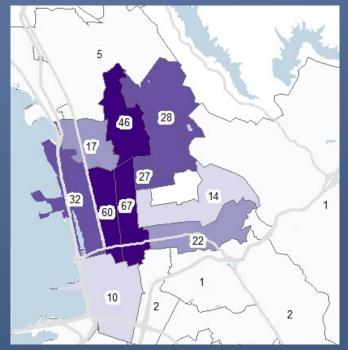
Community Workshops – Key Themes

- 1. Provide more background on project viability ridership, fiscal implications
- 2. Limit environmental impacts design, construction, operations
- 3. Preserve existing character & uses water, nature, social, park, recreation
- 4. Create a straight, wide pier active and passive use, berthing on north side
- 5. Limit vehicle trips and cluster parking transit/shuttle & bicycle



Questionnaire Results

- Questions on preferences for ferry use, access, pier
- 377 responses, 85% Berkeley
- Support for commuting to SF
- Support for pleasure trips to SF & Marin





Comments on Parking & Mobility

Shuttle & Transit

- Provide shuttle service for neighborhoods and BART
- Increase AC Transit service

Vehicle Parking

- Offer free/easy parking for ferry
- Provide disabled parking and access
- Don't displace Waterfront & César Chavez Park users

Commuter Parking Fees or Free

- Discourage auto use with <u>paid</u> parking
- Encourage ferry use with <u>free</u> parking
- Be sensitive to economically challenged

Biking & Mobility

- Provide (lots) of bike lockers.
- Develop safe bike routes over I-80 at Gilman & Powell.
- Walking route from pedestrian crossings.



Comments on Pier Design & Programming

Amenities

- Provide ample fishing locations and amenities
- Provide for walking & running
- Create a child-friendly environment

Food/Drink & Retail

- Coffee, food carts, quick food
- Restaurants, bar, beer garden
- Art galleries, seafood, small stores

Events & Education

- Music performances
- Fish/farmers market and food truck
- Environmental education/information

Water Access

- Allow for swimming access
- Provide for small craft put-in
- Make it accessible to touch water



Key Messages from the Community

- ✓ Community supports a ferry; parking needs to be managed.
- Community strongly supports a restored pier that serves all users.
- ✓ Protect character & environmental resources of the Waterfront.
- Protect existing user needs and recreational assets.



WETA Berkeley Ferry Service Business Plan

Service Plan
Ridership & Market Demand
Equity Considerations





Initial Screening of Route Options

		RIDERSHIP	MARKETS	EQUITY BENEFITS	RATING
Route	San Francisco	High	Commuter, Rec, Event	High	Recommended
Options	South San Francisco	Med-Low	Commuter	Medium	→ Deferred
	Mission Bay (Direct)	Medium	Commuter, Rec, Event	Medium	→ Deferred
	Mission Bay (From SF)	Medium	Commuter, Rec, Event	Med-Low	Recommended
	Larkspur (Weekday)	Low	Commuter	Med-Low	X Rejected
	Larkspur (Weekend)	Medium	Rec	Medium	Recommended
	Vallejo	Low	Commuter	Low	X Rejected



Ridership Estimation Methodology

- Based on Alameda County Transportation Commission's regional model*
- Forecasts are "unconstrained"
- Adjustments made to account for:
 - Headways
 - Capacity
 - Observed changes in peak versus all-day ridership
- Verified against actual ridership counts

*Source: Hovercraft Feasibility Study - 2019 & 2021 Update



Ridership Forecast – Average Daily Boardings

		Weekday Average	Weekend Day Average	Special Events (Average/day)
2020	1) Berkeley - SF	1,830	2,990	200
Daily Boardings	2) Berkeley – SF – Mission Bay	2,020	3,300	200
J	3) Berkeley – Larkspur (weekend service)	-	490	-
2040	1) Berkeley - SF	2,110	3,450	230
Daily Boardings	2) Berkeley – SF – Mission Bay	2,320	3,800	230
	3) Berkeley - Larkspur (weekend service)	_	580	_

Operations Assumptions: • 2 yessels

- 35-minute average peak headway
- 250-passenger vessels



Comparison with Existing Ridership (2019)

		Weekday	Weekend Day
Existing	Oakland/Alameda - SF	5,047	4,120
and	Vallejo – SF	4,081	1,983
Potential Berkeley	Berkeley – SF – Mission Bay	2,020	3,300
Routes	Berkeley - SF	1,830	2,990
	Harbor Bay – SF	1,417	_
	Richmond - SF	813	680
	Oakland/Alameda - SSF	601	_
	Berkeley – Larkspur (Weekend)	_	490



Conceptual Service Schedule Weekday to SF

- (2) vessels & (4) crews
- (8) morning peak direction trips: 6:30 am 12 pm
- (8) afternoon peak direction trips: 3:30 pm 8:30 pm
- Timed-connections to Mission Bay
- Special event service scheduled as needed

Berkeley to San Francisco

Weekdays (Monday-Friday) Westbound: Berkeley to San Francisco					
Depart Berkeley	Arrive Downtown SF				
6:30	6:55				
7:05	7:30				
7:40	8:05				
8:15	8:40				
8:50	9:15				
9:25	9:50				
10:40	11:05				
11:15	11:40				
16:05	16:30				
16:40	17:05				
17:15	17:40				
17:50	18:15				
19:05	19:30				
19:40	20:05				

Weekdays (Monday-Friday) Eastbound: San Francisco to Berkeley					
Depart Downtown SF	Arrive Berkeley				
7:05	7:30				
7:40	8:05				
8:15	8:40				
8:50	9:15				
10:05	10:30				
10:40	11:05				
15:30	15:55				
16:05	16:30				
16:40	17:05				
17:15	17:40				
17:50	18:15				
18:25	18:50				
19:40	20:05				
20:15	20:40				

San Francisco to Berkeley



Conceptual Weekend Schedule

Berkeley-SF: (7) departures 8:30 am to 5 pm; headways of 70 – 110 minutes

Berkeley to	Veeken W WekstlobWest Bombel e BéokSay FoaSais € oancisco			
San Francisco	Depart Berkeley	Arrive Downtown SF		
Sali Fialicisco	8:30	8:55		
	9:40	10:05		
	10:50	11:15		
	12:40	13:05		
	14:00	14:25		
	15:10	15:35		
	17:00	17:25		

Weekend Eastbound: San Francisco to Berkeley						
Arrive Berkeley						
9:30						
10:40						
12:30						
13:55						
15:05						
16:10						
18:00						

San Francisco to Berkeley

Berkeley-Larkspur: (6) departures 9 am to 5:30 pm; headways of 90 – 150 minutes

I	Berkeley to
	Larkspur

	Weekend Westbound: Berkeley to Larkspur					
Depart Berkeley		Arrive Larkspur				
Г	9:30	10:05				
	11:00	11:35				
	12:30	13:05				
	15:00	15:35				
	16:30	17:05				
	18:40	19:15				

Weekend Eastbound: Larkspur to Berkeley					
Depart Larkspur	Arrive Berkeley				
10:15	10:50				
11:45	12:20				
13:55	14:30				
15:45	16:20				
17:15	17:50				
19:25	20:00				

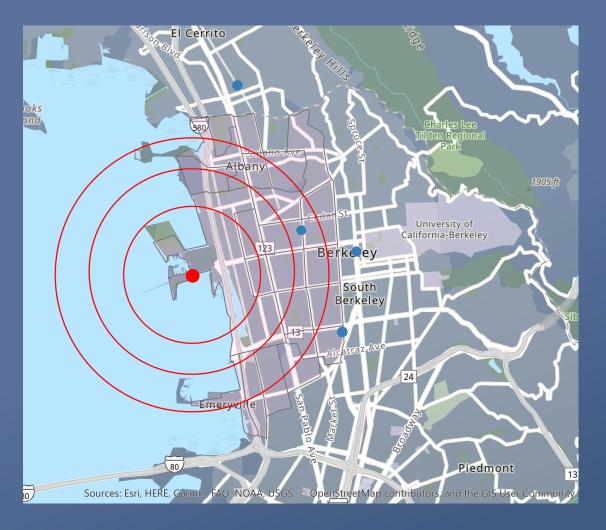
Larkspur to Berkeley



(2) vessels running two services. Special event service scheduled as needed.

⁽²⁾ vessels running two services. Special event service scheduled as needed.





Points of Interest

- 1 mile
 - Bayer
 - Fourth Street
- 1.5 mile
 - University Village
 - Kaiser Permanente
- 2 mile
 - North Berkeley BART station
- Bart stations (blue dots)



BART stations and ferry terminal

Radii (1, 1.5, 2 miles)

Census Tracts (2 miles)



U.S. Census Socio/Economic Demographics

Geography	Jobs	% Public transit commute ¹	Median HH income	UNEMP ³ rate	Race/ethnicity: % non-white ²	Population
1-mile radius	8,980	20%	\$81,000	5.0%	57%	9,889
1.5-mile radius	18,163	26%	\$85,000	3.9%	54%	30,804
2-mile radius	31,487	28%	\$96,000	4.3%	57%	81,701
City of Berkeley	43,575	26%	\$85,500	5.3%	47%	124,321
Albany/Berkeley/Emeryville combined area	68,533	26%	\$88,600	4.8%	49%	157,497

Notes:

- 1 Figures rounded to nearest whole number
- 2 Calculated as 1 (% white alone)
- 3 UNEMP: Unemployment



Opportunity for Job Access

Average Salary and Number of Jobs — **East Bay vs. San Francisco**

	Average Salar	SF/Peninsula	
Occupation Category	Alameda/ CCC	SF/ San Mateo	Salary Premium
Sales and Related	\$59,000	\$75,000	27%
Transportation and Material Moving	\$49,000	\$58,000	18%
Legal	\$146,000	\$170,000	16%
Arts/Design, Entertainment/Sports, Media	\$78,000	\$89,000	14%
Management	\$158,000	\$179,000	13%
TOTAL (all categories)	\$76,000	\$93,000	21%

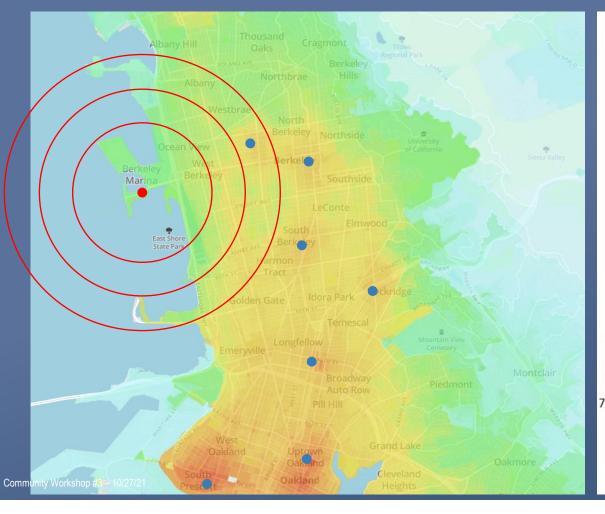
21% average salary premium

Top 5 categories ranked by salary premium

Source: California Employment Development Department



Access to Jobs via Transit



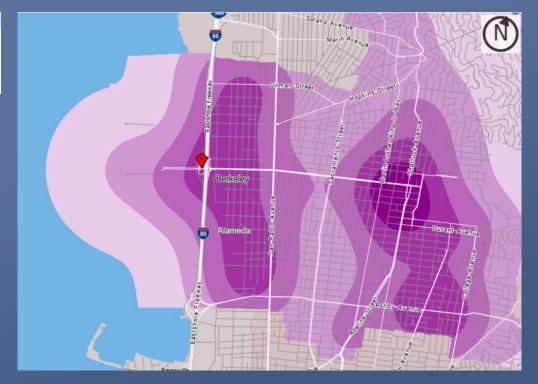


Source: Accessibility Observatory, University of Minnesota (2019)

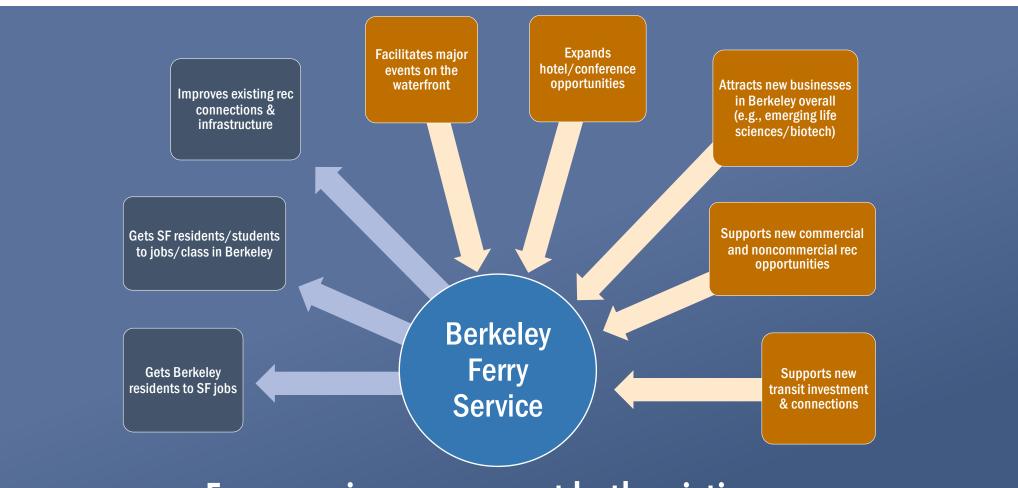


Job Opportunities in Berkeley









Ferry service can support both existing and attract new activities.



Ferry and Foot Traffic Generate Revenue



Policy Objectives

- Increase revenue to existing businesses
- Support job force & outbound commuters
- Synergy with Berkeley Businesses
- Attract new businesses in these industries



Long term Benefits

- Increased lease payments to Marina Fund
- Multiplier-effect with retail, food/beverage
- Increased tax revenue to City of Berkeley



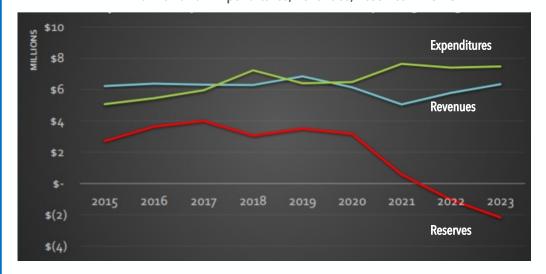
Community Workshop #3 - 10/27/21

Fiscal Challenge & Opportunity

Current Status

- Existing Marina Fund operations model is not viable
- Capital Waterfront expenditure needs exceed \$100M

Marina Fund - Expenditures, Revenues, Reserves FY15-23







Pier/Ferry Study & BMASP Timelines

Pier-Ferry Study



Berkeley Marina Area Specific Plan



Questions on information presented?

Enter in Zoom Chat. Thank you.



Preferred Waterside Concept Plan







Alternatives Evaluated







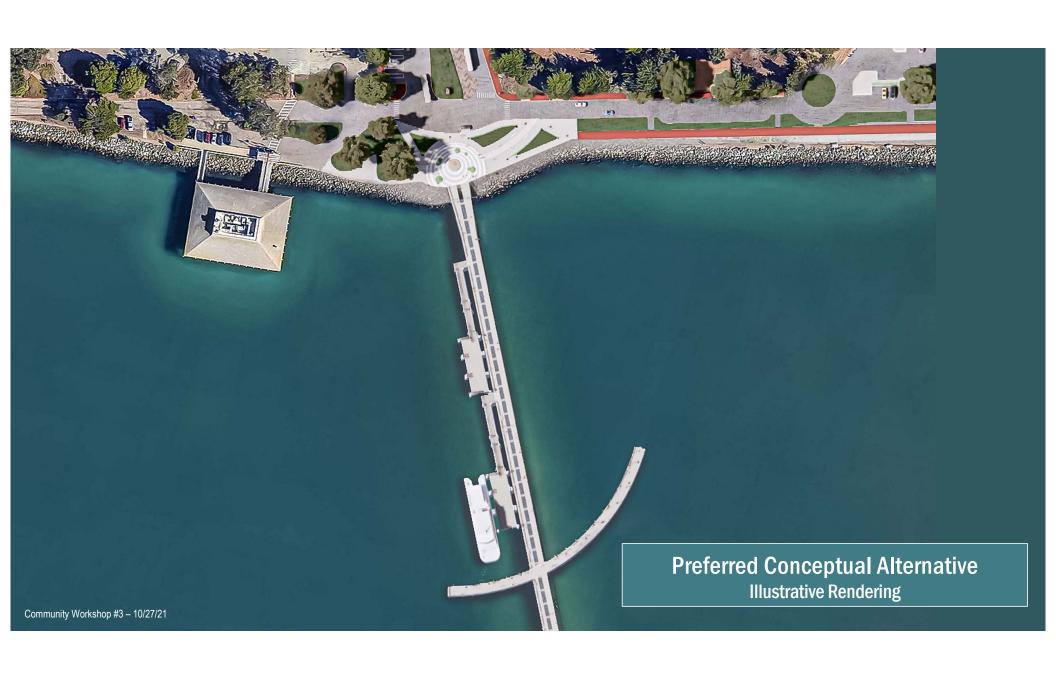


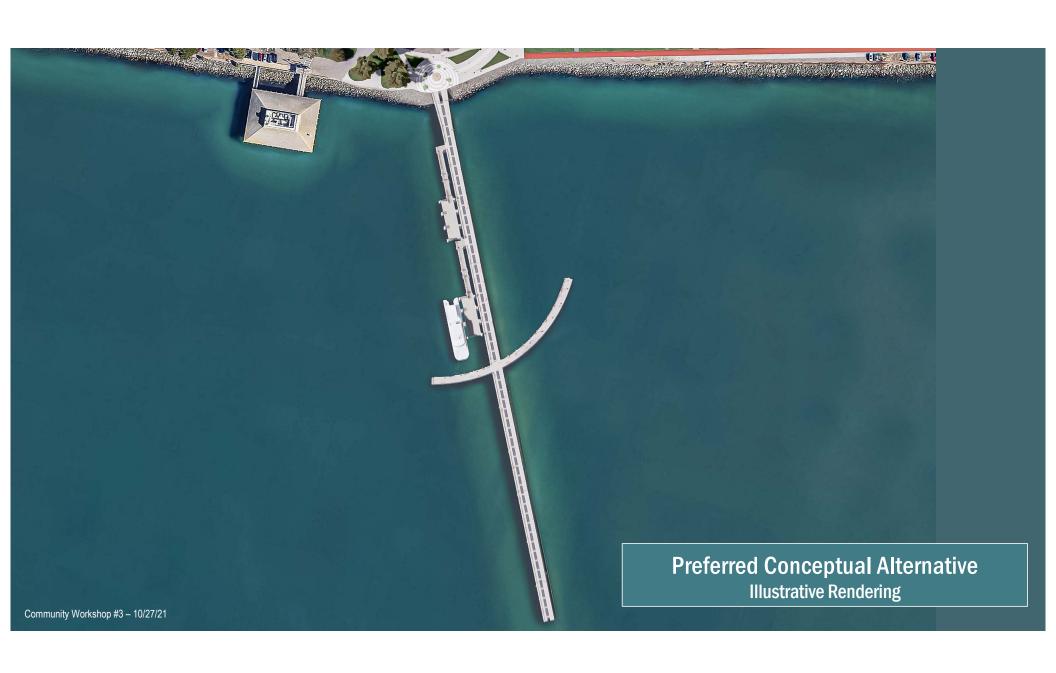




Illustrative Rendering

Community Workshop #3 – 10/27/21















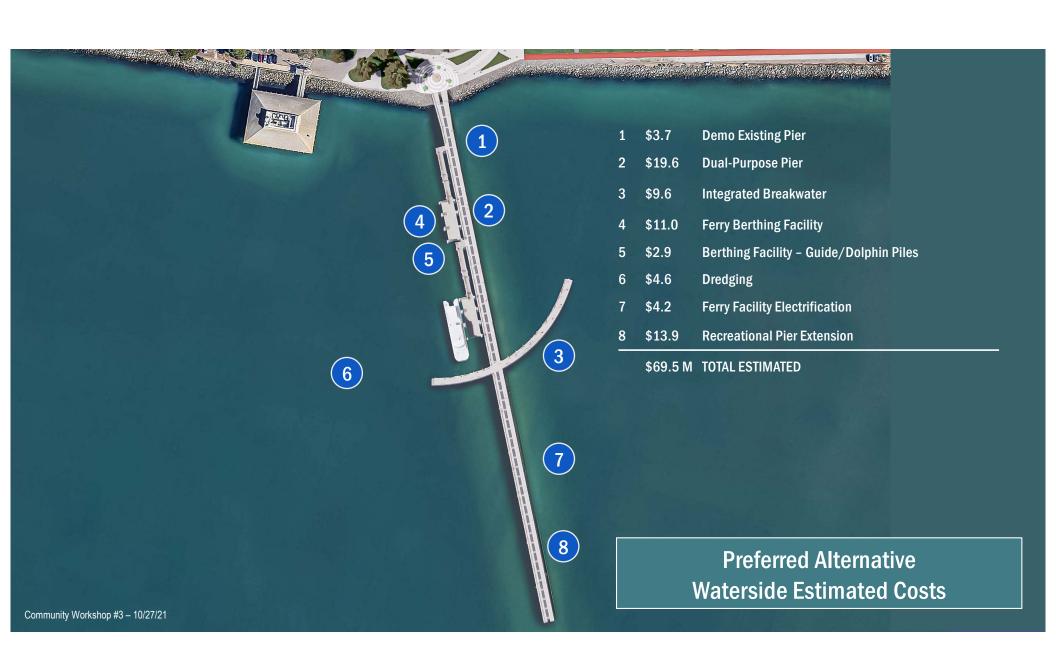




Evaluation Waterside	
	Amount of dredgi

	Concepts	Sword	Dog Leg	Fish-Hook	Circle
Implementation	Amount of dredgingConstructabilityGreen infrastructure	More Preferrable	Less Preferrable	Less Preferrable	Less Preferrable
Ferry Operations	Wind/Wave ProtectionVessel maneuverabilityAvoid potential conflicts with recreation watercraft	More Preferrable	Less Preferrable	Less Preferrable	Less Preferrable
Visual & Placemaking	 Overall pier experience Harmony with former pier Consistency with Waterfront culture/experience 	More Preferrable	Less Preferrable	Less Preferrable	Less Preferrable
Recreation: On-Pier	 Unimpeded access for fishing, walking, recreation Length of pier for fishing, walking, recreation Bay views and experience 	More Preferrable	Less Preferrable	Less Preferrable	Less Preferrable
Recreation: In-Water	 Reduced conflicts with marina boating Reduced conflicts with watersports Reduced pier and ferry operation footprint 	More Preferrable	Less Preferrable	Less Preferrable	Less Preferrable
	Highest Benefit at Lowest Cost	More Preferrable \$69.3M	Less Preferrable \$81.7M	Less Preferrable \$88.9M	Less Preferrable \$90.4M

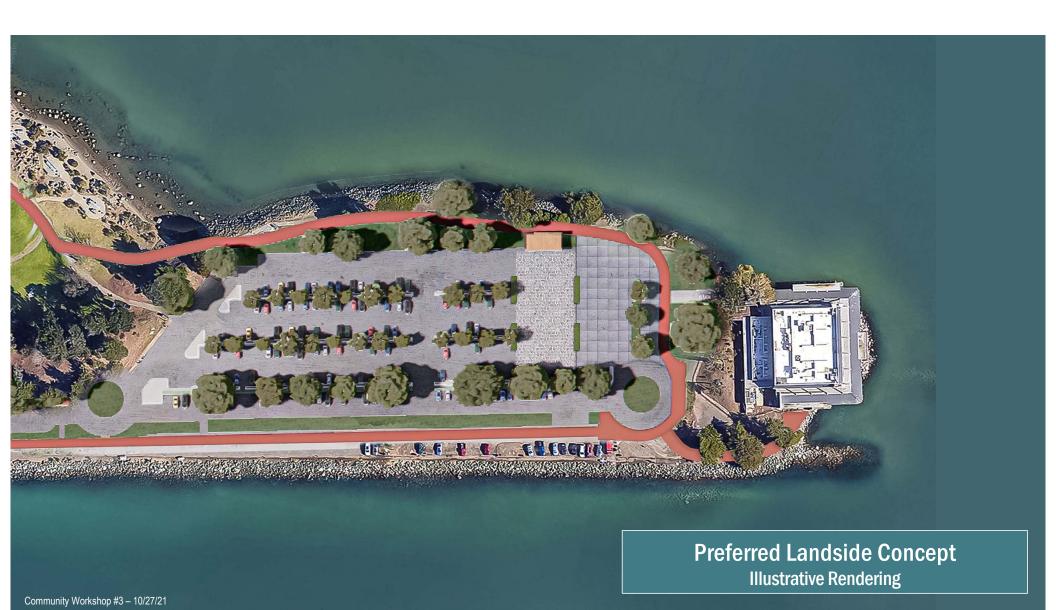
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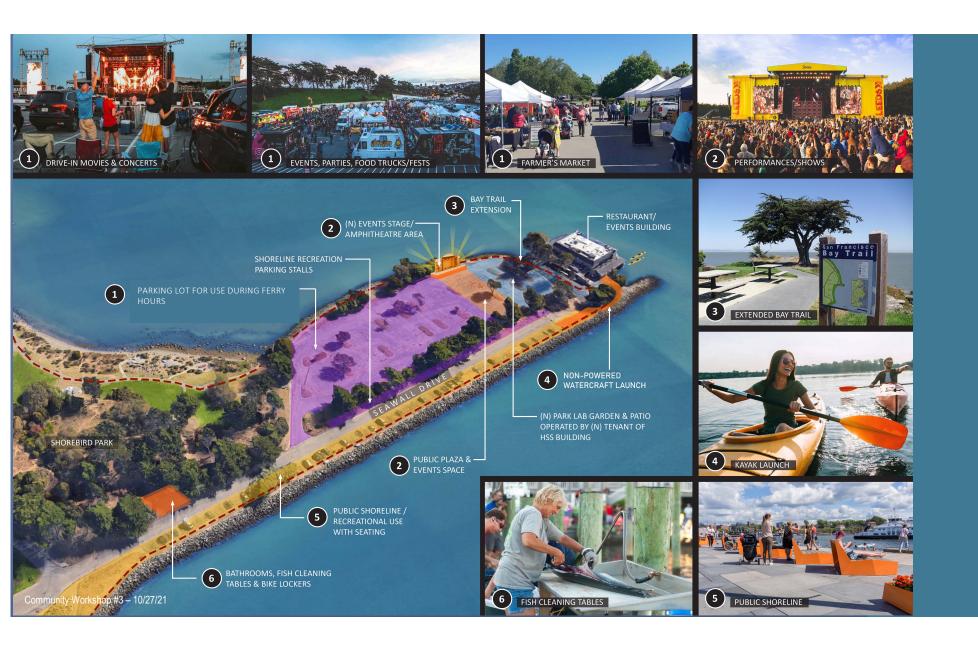
Preferred Landside Concept Plan











Evaluation Results – Landside Concepts

Larrasiae Correcpts		Clustered	Dispersed
Implementation	 Constructability Centralized EV charging & green infrastructure Flexible configuration for future development 	More preferrable	Less preferrable
Mobility	 Supports biking, walking, transit access Supports convenient parking access and management Effective wayfinding and user-friendly 	More preferrable	Less preferrable
Visual & Placemaking	 Harmony with and enhancement of the Waterfront Enhances public safety Minimizes parking footprint to allow for more greenspace 	More preferrable	Less preferrable
Recreation	 Provides space for diverse recreation uses Flexible space for recreation/events during low parking demand Leverage existing parking supply to support waterfront uses 	More preferrable	Less preferrable
	Highest Benefit at Lowest Cost	\$14.0M	\$19.5M

Concept A

Concept B







Ferry Parking, Access, and Mobility



Goals

- Avoid ferry parking impacts to other waterfront users
- Minimize need for new parking and preserve natural beauty of Waterfront
- Support non-driving travel modes



- Limit/cap for ferry parking
- Active parking management: paid parking for ferry users, time limits, enforcement
- TDM programs: incentives for biking, walking, and transit



Discussion & Public Comment

- Use "raise hand" Zoom function.
- Facilitator will call your name.

Keep comments to 1 minutes or less.

- Questions, comments, ideas welcome.



Contact & Project Info

- ✓ Inquiries to bmasp@CityofBerkeley.info
- ✓ Pier/Ferry Project webpage: www.cityofberkeley.info/parks/pier/
 - Workshop presentations
 - Workshop results
 - Questionnaire Results
 - Updated FAQ (forthcoming)
- ✓ City Council, December 7th
- ✓ WETA Board, TBD March 2022

