

Work Session Topics

Introduction

Overview of the City & WETA Partnership: MOU

Public Engagement Process

Preferred Concept: Waterside and Landside Elements

WETA Berkeley Ferry Service Business Plan

Next Steps, Goals, Potential Funding Sources

Questions/Comments

Presenters:

Scott Ferris, City of Berkeley

Christina Erickson, City of Berkeley

Ali Endress, City of Berkeley

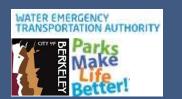
Nelson Lam, City of Berkeley

Kevin Connolly, WETA

Michael Gougherty, WETA

Ashleigh Kanat, Economics & Planning Systems

Bill Hurrell, CDM Smith



Project Team

City of Berkeley – Parks, Recreation & Waterfront

Scott Ferris

Director

Christina Erickson

Deputy Director

Ali Endress

Waterfront Manager

Nelson Lam

Supervising Civil Engineer Project Manager

Roger Miller

Senior Management Analyst

Water Emergency Transportation Authority

Kevin Connolly

Manager,
Planning & Development

Michael Gougherty Principal Planner

Project Manager

Consultant Team: WETA Business Plan

Ashleigh Kanat
Economic & Planning Systems

Bill Hurrell CDM Smith

Consultant Team

Craig Lewis

Marine Structure Engineering **GHD**

Alex Mercuri

Transportation Planning **Nelson/Nygaard**

Kent Royle

Architect
Marcy Wong Donn Logan Architects

Scott Fenical

Coastal Engineering

Mott MacDonald

Peter Bluhon

Public Facilitation **Bluhon Group**



Memorandum of Understanding: City & WETA

Subsequent (with MOU amendment) Current **Construction & Operations Feasibility Design Development** Bidding Ongoing service Feasibility Study Long-term Construction Public Engagement maintenance • WETA & City Council Detailed Technical **Studies** Final Design Environmental **Preferred Concept** Clearance 2022 2025 2027 **Estimated Estimated** Permitting



Current Phase's Public Engagement Completed

Focus Group Meetings (4)

Introduce project, and gather existing use pattern

January 5, 6, 7, 2021

Workshop #1

• Introduce Pier/Ferry Study & Pier Samples

January 21, 2021

City Council Work Session & WETA Board #1

Project Update Presentations

February 16, 2021 March 4, 2021

Questionnaire

Questionnaire on ferry & pier preferences

March – June, 2021

Workshop #2

• Present & Discuss Waterside & Landside Concepts

August 10, 2021

Workshop #3

Present & Discuss Preferred Concept

October 27, 2021

WETA Board #2

Present Preferred Concept

November 4, 2021

City Council Work
Session #2

 Present Preferred Concept & Obtain Council Feedback

December 7, 2021



Upcoming Tentative Milestones

Project Webpage Update

- Additional on-going community feedback & response (i.e. updated FAQ...)
- Large Scale Ferry Feasibility Study Report
- Any new project material, and communication

City Council Discussion

- Discuss Next Steps
 - Funding
 - Cost sharing
 - Potential lease and licensing framework

WETA BOARD

- Discuss Next Steps
 - Funding
 - Cost Sharing
 - Potential Lease and Licensing Framework

On-going Communication Tools

Pier/Ferry Project webpage: www.cityofberkeley.info/parks/pier/Project email: BMASP@cityofberkeley.info

January/February, 2022

February/March, 2022

TBD















Preferred Concept

Evaluation Results – Waterside Concepts

waterside	Concepts	Swo
Implementation	Amount of dredgingConstructabilityGreen infrastructure	More Prefera
Ferry Operations	 Wind/Wave Protection Vessel maneuverability Avoid potential conflicts with recreation watercraft 	Mor Prefera
Visual & Placemaking	 Overall pier experience Harmony with former pier Consistency with Waterfront culture/experience 	Moi Prefera
Recreation: On-Pier	 Unimpeded access for fishing, walking, recreation Length of pier for fishing, walking, recreation Bay views and experience 	Moi Prefera
Recreation: In-Water	 Reduced conflicts with marina boating Reduced conflicts with watersports Reduced pier and ferry operation footprint 	More Prefera
	Highest Benefit at Lowest Cost	More Prefera

i	1	2*	3*	4*
į	Sword	Dog Leg	Fish-Hook	Circle
	More	Less	Less	Less
	Preferable	Preferable	Preferable	Preferable
	More	Less	Less	Less
	Preferable	Preferable	Preferable	Preferable
	More	Less	Less	Less
	Preferable	Preferable	Preferable	Preferable
1	More	Less	Less	Less
	Preferable	Preferable	Preferable	Preferable
	More	Less	Less	Less
	Preferable	Preferable	Preferable	Preferable
	More	Less	Less	Less
	Preferable	Preferable	Preferable	Preferable
	\$69.5M	\$81.7M	\$88.9M	\$90.4M







Preferred Landside Concept
Illustrative Rendering



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

* Concept B drawing is included in the Council Report







Preferred Concept Benefits at the Waterfront – Support Broader Berkeley











Emergency
Access &
Safety

Support for Existing Waterfront Businesses

& Generate
Marina
Revenue

Attracting
New
businesses &
Support
Waterfront's
Future

Multimodal
Transit and
access
improvements

Increased
Amenities
and Funding
Supports A
Enjoyable
Waterfront

21

Via a safe, accessible, enjoyable Waterfront, for Berkeley residents, workers, businesses, boaters, and recreational users.

WETA Berkeley Ferry Service Business Plan

Ridership Forecast

Parking & Access

Service Plan

Equity Considerations

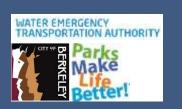


Ridership Forecast – Average Daily Boardings

		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
	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 vessels

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



Mode of Access

Existing Terminals (Pre-Pandemic)

Terminal	Walk	Drive Alone	Bike	Carpool	Public Transit	Kiss-and- Ride	TNCs	Taxi	Other	Total
Alameda	12%	44%	9%	22%	0%	6%	5%	1%	1%	100%
Oakland	24%	21%	6%	28%	6%	7%	6%	0%	2%	100%
Harbor Bay	30%	31%	12%	8%	11%	7%	1%	0%	1%	100%
Richmond	13%	41%	14%	14%	2%	10%	4%	0%	2%	100%
Vallejo	7%	34%	4%	19%	2%	22%	8%	0%	4%	100%

Source: Year 2017 and Year 2019 (Richmond only) WETA On-Board Surveys

Future Berkeley Terminal (Estimated)

Terminal	Walk	Drive Alone	Bike	Carpool	Public Transit	Kiss-and- Ride	TNCs	Taxi	Other	Total
Berkeley	8%	31%	16%	15%	5%	15%	7%	1%	1%	100%



Ferry Parking, Access, and Mobility



- 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



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 Franci				
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) Eastk	ound: 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 San Francisco

Weekend Westbound: Berkeley to San Francisco				
Depart Berkeley	Arrive Downtown SF			
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					
Depart Downtown SF	Arrive Berkeley				
9:05	9:30				
10:15	10:40				
12:05	12:30				
13:30	13:55				
14:40	15:05				
15:45	16:10				
17:35	18:00				

San Francisco to Berkeley

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

Berkeley to Larkspur

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

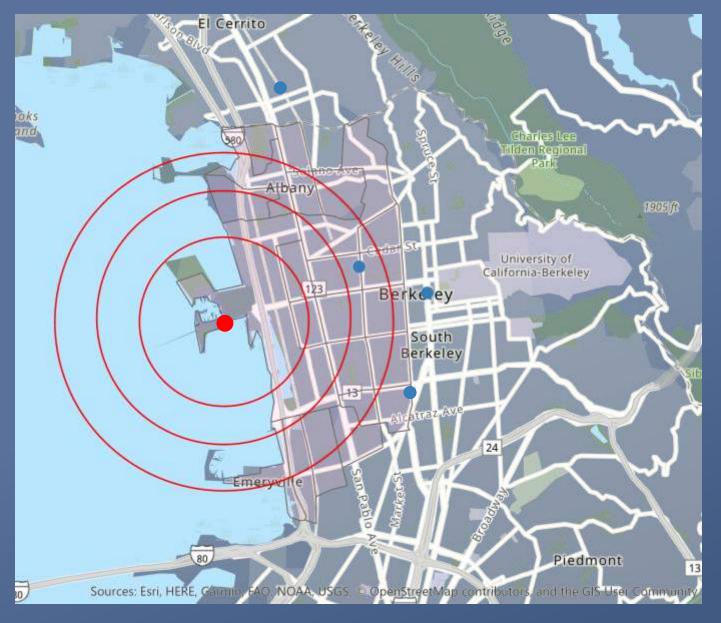
Weekend Eastbound: Larkspur to Berkeley					
Depart Larkspur	Arrive Berkeley				
10:15	10:50				
11:45	12:20				
13:55	14:30				
15:45	16:20				
17:15	17:50				
19:25	20:00				

Larkspur to Berkeley



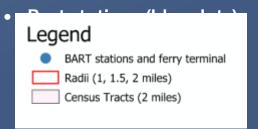
27

⁽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





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%

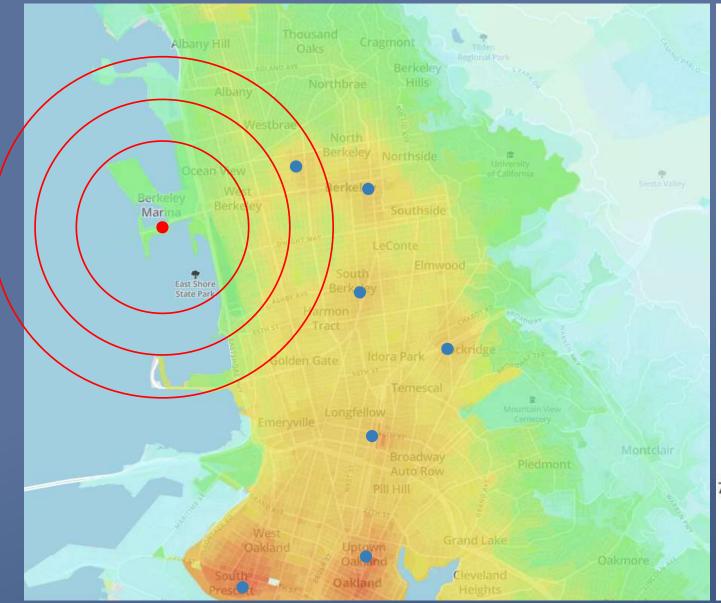
21% average salary premium

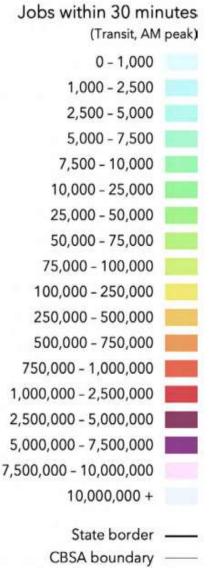
Top 5 categories ranked by salary premium

Source: California Employment Development Department



Access to Jobs via Transit





Source: Accessibility Observatory, University of Minnesota (2019)



COMMUNITY CONCERNS

- Can the Waterfront accommodate both ferry service and recreation?
- Shouldn't we wait for the BMASP to finish?
- Should the public be investing in ferry service?
- Is this even possible within our current regulatory restrictions?
- How can this move forward if the City hasn't completed the environmental/CEQA process?
- Does community input matter, or has the decision already been made?



Next Steps

Goals for Design Development Phase

- 1. Bring more AC Transit bus service to the Marina.
- 2. Bring more shuttle service to the Marina.
- 3. Use parking management methods to encourage alternative transportation to the Marina (e.g., paid ferry parking, time-restricted parking at other lots, parking enforcement).
- 4. Conduct a full CEQA environmental review (and NEPA if required) to assess project impacts on air quality, biological resources, greenhouse gas emissions, transportation/traffic/parking, land use planning, recreation, etc.
- 5. Conduct a public engagement process for the Design Development phase.
- 6. Integrate the potential ferry project into the larger Berkeley Marina Specific Plan (BMASP) project.



Next Steps

- 1) Both entities to work jointly to identify funding with agreed cost-sharing for the Design Development Phase
- 2) Seek approval from City Council and WETA Board on the updated or amended MOU

Funding Options

- A. Fund the <u>initial Design Development (DD) phase</u>: legal review & evaluation, preliminary design, permitting and all necessary environmental review <u>at \$4-5M</u>*. The remaining cost of DD can be funded in a future step.
- B. Fund a <u>full DD phase</u> that includes complete design, permitting, environmental review, legal review and evaluation at \$6-8M*.
- C. Fund <u>Total Project</u> (DD and Construction) estimated at <u>\$83.5M</u>.
 - *Approximated cost range; vary depending on required environmental review process (CEQA/NEPA)
 - *The estimated DD phase cost is based on estimated construction cost at program-level.



Next Steps Potential Funding/Grants

- 1. Regional Measure 3
- 2. Alameda County Transportation Commission Measure BB
- 3. Caltrans Active Transportation Program
- 4. Caltrans Ferry Boat and Terminal Facilities Construction Program
- 5. Infrastructure Investment and Jobs Act's Passenger Ferry Grant Program
- 6. City of Berkeley Funds



Questions/Comments

- Feedback on the Details of the preferred concept
- Discuss Potential Next Steps

