

PARKS, RECREATION AND WATERFRONT COMMISSION

Regular Meeting

Wednesday, October 16, 2024, 7:00 P.M., Frances Albrier Community Center, 2800 Park St

Minutes - Draft

The Commissions may discuss any items listed on the agenda, but may take action only on items identified as Action.

1. **Call to Order** (Chair): 7:10pm
2. **Roll Call** (Secretary): Present: Abshez; Cox; Diehm; Hurtado (arr. 7:15pm), Kawczynska; Lee (arr. 7:25pm). Absent: Ranuzzi.
3. **Land Acknowledgement**: Read by Diehm.
4. **Action: Approval of Agenda** (Chair): M/S/C (Kawczynska/Diehm/U) to move Director's Report before Public Comment, add "Ohlone Greenway/Measure L" after "C. Fred" in the Communications Section and to approve the rest of the agenda. Ayes: Abshez; Cox; Diehm; Hurtado, Kawczynska. Noes: None. Absent: Lee; Ranuzzi.
5. **Action: Approval of Minutes** for September 11, 2024 (Chair).* M/S/C (Kawczynska/Diehm /U) to list Diehm as a speaker for item 9 (Ohlone Greenway Safety Improvements) and to approve the September minutes. Ayes: Abshez; Cox; Diehm; HurtadoKawczynska; Lee. Noes: None. Absent: Ranuzzi.
6. **Director's Report**: Capital Improvement Projects Update, CEQA Meeting in November. (Ferris)
7. **Public Comment**. a) Steve Morros, North Bowling Green; b) Community Member (name unknown), North Bowling Green; c) Susan, Aquatic Park; d) Herbert, Fishing at Berkeley Pier, Frontage Road; e) Ted Steen, Field Allocation Process.
8. **Chair's Report**: Cal Sailing Item Passed; Measure Y; Burrowing Owls. (Kawczynska)
9. **Discussion/Action**: Rose Garden Plaque approval* (Ferris). M/S/C (Diehm/Abshez/U) to approve Rose Garden Plaque Donation. Ayes: Abshez; Cox; Diehm; Hurtado, Kawczynska; Lee. Noes: None. Absent: Ranuzzi.
10. **Discussion/Action**: Councilmember Kesarwani's Referral to PRW Commission re: Naming the Harrison St Skate Park in Honor of Terrance McCrary* (Ferris). M/S/C (Diehm/Cox/U) Approve to rename Harrison Street Skate Park in honor of Terrance McCrary. Ayes: Abshez; Cox; Diehm; Hurtado, Kawczynska; Lee. Noes: None. Absent: Ranuzzi.
11. **Discussion**: Waterfront Parking and Transportation Demand Management Study* (Kawczynska). Item was discussed. Public Comment: a) Gordon Wozniak.
12. **Discussion**: Aquatic Park Dreamland Area Project / Survey* (Ferris). Item was discussed.
13. **Information Reports***: Recent PRW Council Reports.
14. **Future Agenda Items**: CEQA/Tom Bates Sports Complex; Waterfront Specific Plan; Public Art in Aquatic Park (Lavvorn); PRW Commission Workplan 2024; Citywide Accessibility Plan; Locations for Dog Parks.
15. **Communications**. * Eastshore Alliance Fútbol Club, 9-12-2024; C Fred, Ohlone Greenway/Measure L, 10-03-2024; Memo from Center for Biological Diversity – Burrowing Owl, 10-10-2024.
16. **Next PRW Commission meeting**: Wednesday, November 13, 2024.
17. **Adjournment**: 9:00pm M/S/C (Cox/Hurtado/U)

* document is attached to agenda packet and on the commission website.

** document will be provided at the meeting.

- Commissioners in attendance: 6 of 7 appointed.
- Public in attendance: 11
- Public speakers: 5

Parks Recreation and Waterfront Department
Capital Projects Discussion
PRW Commission
10/16/2024

Annual CIP Funding

Annual Capital Improvement Project (PRW Baseline CIP) and major maintenance funding has historically come from the CIP Fund, Parks Tax, Marina Fund and the Camps Fund. Other funding sources such as grants, insurance claims, General Fund, Bayer Fund and developer agreements have also contributed to CIP project funding (See Attachment 1 for a list of over \$130M in non-City funding sources). Additionally, the 2016 Measure T1 Bond Measure has contributed approximately \$50M to PRW CIP.

General Fund CIP

From 2000 to 2003 the annual CIP contribution was \$750,000. From 2004 to 2006 the number varied between \$750,000 to \$400,000. By 2007 the allocation was permanently reduced to \$400,000: \$200,000 for both ADA and playground safety improvements. This changed in the FY23 and FY24 budget cycle, when PRW Baseline CIP funding was increased to \$2,000,000 in FY23 and \$2,400,000 in FY24. In FY25 and FY26 the total has been reduced to \$400,000.

Park Tax CIP

Since 2000, the Parks Tax contributed \$250,000 per year to PRW Baseline CIP. When Measure F passed in 2014 this allocation rose by \$750,000 to \$1,000,000. Since then, the allocation has risen slightly to \$1,065,000 and will be \$1,090,000 in FY26.

Marina Fund CIP

Since the early 2000s, the Marina Fund has contributed between \$250,000- \$450,000 per year to PRW Baseline CIP. The contribution in FY25 and FY26 is \$350,000/year.

Camp Fund CIP

From 2006 through 2013, when the Rim Fire destroyed Berkeley Tuolumne Camp, the Camps Fund contributed \$80,000-\$200,000 of annual funding to the PRW Baseline. Until the Fund stabilizes, CIP expenditures are being allocated from the General Fund.

FY24 vs FY25 Baseline PRW CIP Funding

In FY24, the annual PRW Baseline CIP funding totaled \$3,815,000. In FY25 the annual PRW Baseline CIP funding is \$1,865,000. However, this gap was buttressed by an additional \$710,000 of funding for 3 emergency projects that increased the FY25 total to \$2,575,000.

Key PRW Unfunded Projects

The PRW Unfunded list totals to about \$225M (see Attachment 2). Below is a list of staff identified highest needed projects:

Aquatic Park (Dreamland) Play Structure/ Area - \$2.5M to \$5.0M

PRW Unfunded Capital & Major Maintenance Needs (as of May 2024)

Project	2024 Cost Estimate	District
Resident Camps		
Cazadero ADA Upgrades	\$1,060,000	All
Cazadero - Dining Hall Reconstruction	\$2,530,000	All
Cazadero- Pool Tile and Plaster	\$430,000	All
Cazadero Riverbed Erosion (City share)	\$300,000	All
Echo Lake ADA Project Phase 2	\$2,220,000	All
Echo Lake Camp Fire Safety / Water Tank	\$530,000	All
Echo Lake Fireplace Renovation	\$40,000	All
Echo Lake Tree Removal	\$200,000	All
Berkeley Tuolumne Camp Generator	\$150,000	All
Berkeley Tuolumne Camp Vegetation Installation	\$160,000	All
Berkeley Tuolumne Camp Trails	\$270,000	All
Resident Camps Projects Total	\$7,890,000	
Pools		
King Pool		
Locker Room/office Area Renovation	\$3,160,000	5
Decking/Piping	\$480,000	5
Roof	\$320,000	5
King Pool/Locker Room Replacement with 25M Pool/new facilities	\$16M	5
West Campus		
Locker Room/ Office Area Renovation	\$3,160,000	2
Decking/Piping	\$480,000	2
Pool at San Pablo Park (see FA Center Replacement)	\$16.5M	
Pools Projects Total	\$7,600,000	
Parks Buildings/Facilities*		
Frances Albrier Community Center (replacement) and Pool	\$40M	
Seismic/ Deferred maintenance (K)	\$2,900,000	2
MLK YAP Renovation and Seismic Upgrade (\$7M in T1; \$1.2M in grant funding)	\$3,675,000	3
Harrison Park Building		
Exterior Improvements -Roof and Painting	\$220,000	1
John Hinkel Park Hut Reconstruction	\$3,000,000	5
Virginia McGee Clubhouse (K)	\$170,000	1
Park Buildings/Facilities Projects Total	\$9,965,000	
Parks (General)		
Median Hardscape/Drought Tolerant Conversion- citywide arterials	\$5,800,000	all
Irrigation Lines & Heads Replacement	\$2,220,000	all
Adeline/Alcatraz Right of Way Landscaping	\$400,000	3
ADA Pathways, buildings, parking areas, etc.	\$10,770,426	all
Parks (General) Projects Total	\$19,190,426	
Parks (Specific)		
Aquatic Park		

Project	2024 Cost Estimate	District
Renovation of Virginia Entrance	\$530,000	1
Renovation of ballfield, lighting, irrigation and ADA dugouts	\$1,270,000	1
Skate spot Construction	\$860k	1
ADA Access to Courtyard Restroom	\$160,000	1
Tennis Court Lights and Fixtures	\$25,000	1
John Hinkel		
Park pathways	\$850,000	5
Live Oak Park		
Lighting improvements on pathways	\$200,000	5
Establish irrigation/new artificial turf in South field	\$530,000	5
Renovation of basketball courts and drainage	\$950,000	5
Mortar Rock		
Pathways and stone work	\$30,000	5
Ohlone Park		
Pathways and lighting	\$740,000	1/4
Par Course	\$130,000	1/4
Renovate play equipment (near BB Courts) 2-5 Play Equipment	\$530,000	1
Renovate play equipment (near Grant) 5-12 Play Equipment	\$120,000	1
Prince St Totlot		
Renovate play equipment (2-5)	\$370,000	3
Remillard Park		
Renovate play equipment (5-12)	\$370,000	6
San Pablo Park		
Regrading, drainage and irrigation of Fields 1, 2 and 3	\$1,480,000	2
Santa Fe Right of Way		
Trackbed to Park Project - 4 blocks (\$5M in grant funding)	\$3,150,000	2
Shorebird Park		
2-12 Play Structure Replacement	\$790,000	2
Sixty-Third Street Mini-Park		
Renovate play equipment (2-5)	\$270,000	3
Strawberry Creek Park		
Pathways and lighting	\$220,000	2
Terrace View Park		
Phase 2- Middle: ADA, pathways and play equipment	\$1,370,000	6
Tom Bates Regional Sports Complex		
Fieldhouse, Restroom, Pickleball Courts & 10U Soccer (\$3.4M T1, \$457k PT funding)	\$3,900,000	1
North Youth Soccer Field / Pickleball Courts	\$410,000	1
South Restroom (Does Not Exist)	\$330k	1
South Parking Lot paving	\$1,270,000	1
North Parking Lot pavement and drainage	\$1,580,000	1
Willard Park		
Tennis Court Lights and Fixtures	\$25,000	8
Practice Wall Area/ Pathways	\$160,000	8
Parks (Specific) Projects Total	\$46,200,000	

Waterfront - Unfunded Capital & Major Maintenance Needs (as of May 2024)

Amenities/Projects	2024 Cost Estimate
Existing Infrastructure in Need of Replacement/Major Maintenance	
<i>Inner Harbor (Revenue Generating Assets)</i>	
Finger Dock Replacements	\$1,600,000
Timber Pile Replacement (on L, M, N, O&K)	\$4,400,000
F&G Dock Redecking	\$500,000
Inner Harbor Basin Dredging	\$3,000,000
J-Dock Replacement	\$11,500,000
L-Dock Major Maintenance (Floats, Decking, Waler)	\$1,682,000
M-Dock Major Maintenance (Floats, Decking, Waler)	\$1,622,000
N-Dock Major Maintenance (Floats, Decking, Waler)	\$500,000
O-Dock Major Maintenance (Floats, Decking, Waler)	\$3,140,000
K-Dock Major Maintenance (Floats, Decking, Waler)	\$1,120,000
<i>Inner Harbor Subtotal:</i>	\$29,064,000
<i>Cesar Chavez Park</i>	
Interior Pathways Improvements and Amenities - Phase 2	\$2,900,000
Master Plan	\$1,000,000
<i>Cesar Chavez Park Pathways Subtotal:</i>	\$3,900,000
<i>Parking Lots</i>	
F & G Lot Reconstruction	\$950,000
O Lot Reconstruction	\$1,010,000
J & K Lot Reconstruction	\$1,060,000
Launch Ramp Lots Reconstruction	\$2,030,000
L & M Lot Reconstruction	\$1,320,000
Marina Blvd On-Street Parking (South of Virginia Street Extension)	\$2,100,000
199 Seawall Parking Lot	\$4,000,000
South Cove West Parking Lot (\$1.5M funded by SCC grant)	\$210,000
<i>Parking Lots Subtotal:</i>	\$12,680,000
<i>Streets</i>	
Seawall Drive Reconstruction - North of University Avenue Segment	\$790,000
Waterfront Entrance Kiosk Building on University Avenue	\$527,000
Seawall Drive Improvements (South of University Ave Segment)	\$3,400,000
<i>Streets Subtotal:</i>	\$4,717,000
<i>Shorelines/Pathways/Pier</i>	
Marina Blvd Resilient Shoreline & Public Access Improvements (Trail from CCP to Roundabout)	\$4,000,000
University Ave Shoreline and Habitat Resiliency Project	\$4,040,000
Inner Harbor Basin Northeast Sea Level Rise Improvement	\$3,220,000
199 Seawall Lot Eastern Shoreline Failure Repair	\$1,000,000

DATE	SOURCE	PROJECT	TYPE	REQUESTED	RECEIVED
05/07/20	DOUBLETREE HOTEL	MARINA STREETS (UNIVERSITY, MARINA, SPINNAKER)	CBA	\$3,000,000	\$3,000,000
03/25/20	DBAW SAVE GRANT (STATE)	ABANDONED BOAT REMOVAL	Grant	\$42,000	\$42,000
11/12/19	NATIONAL FISH & WILDLIFE FOUND (COSCO BUSAN)	NATURE CENTER PROGRAMS	Grant	\$10,000	\$10,000
09/12/19	BAY AREA AIR DISTRICT	BIKE LOCKERS @ MARINA MALL	Grant	\$50,000	\$50,000
07/29/19	WATER EMERGENCY TRANSPORTATION AUTHORITY	MARINA FERRY FACILITY PLANNING STUDY	MOU	\$250,000	\$250,000
07/03/19	URBAN GREENING (STATE)	TREES IN SOUTHWEST BERKELEY	Grant	\$725,878	\$725,878
02/11/19	DBAW SAVE GRANT (STATE)	ABANDONED BOAT REMOVAL	Grant	\$130,000	\$130,000
06/13/18	METROPOLITAN TRANSPORTATION COMMISSION (PCA1)	BAY TRAIL SEGMENT 3	Grant	\$483,925	\$483,925
12/31/17	CDBG BLOCK GRANT (FEDERAL)	BAHIA CHILD CENTER SIDING RENOVATION	Grant	\$180,000	\$180,000
12/31/17	INSURANCE	ECHO LAKE SNOW DAMAGE (2012 and 2016/17)	Insurance	\$510,808	\$510,808
10/12/17	DBAW SAVE GRANT (STATE)	ABANDONED BOAT REMOVAL	Grant	\$100,000	\$100,000
10/17/16	STATE COASTAL CONSERVANCY - WATER TRAIL	SOUTH COVE ADA GANGWAY	Grant	\$125,400	\$125,400
01/15/16	HOUSING COMMUNITY DEVELOPMENT (STATE)	JAMES KENNEY CENTER	Grant	\$1,950,000	\$1,036,700
12/31/15	INSURANCE	JOHN HINKEL CLUBHOUSE FIRE	Insurance	\$443,433	\$443,433
08/20/15	LUMINA FOUNDATION	YOUTH SUMMIT	Grant	\$15,000	\$1,000
05/13/15	STATE COASTAL CONSERVANCY (PCA1)	SOUTH COVE PARKING LOT (EAST)	Grant	\$500,000	\$500,000
03/12/15	FEMA	JAMES KENNEY CENTER SEISMIC	Grant	\$727,499	\$727,499
01/12/15	LUMINA COMMUNITY PARTNERSHIP FOR ATTAINMENT	COLLEGE READINESS	Grant	\$150,000	\$150,000
07/24/14	LUMINA COMMUNITY PARTNERSHIP FOR ATTAINMENT	COLLEGE READINESS	Grant	\$20,000	\$20,000
06/30/14	ENV ENHANCE & MITIG PRG /CALTRANS	TREE PLANTING	Grant	\$339,383	\$339,383
04/08/14	DBAW (STATE)	SOUTH COVE AREA DESIGN	Grant	\$2,000,000	\$160,000
02/25/13	DBAW SAVE GRANT(STATE)	ABANDONED BOAT REMOVAL	Grant	\$45,000	\$45,000
12/31/12	CDBG BLOCK GRANT (FEDERAL)	WEST CAMPUS POOL RENOV	Grant	\$31,500	\$31,500
11/15/12	ENV ENHANCE & MITIG PRG /CALTRANS	TREE PLANTING	Grant	\$243,540	\$243,540
06/27/12	NATIONAL FISH & WILDLIFE FOUND (COSCO BUSAN)	SOUTH COVE PARKING LOT (EAST)	Grant	\$217,000	\$217,000
06/27/12	NATIONAL FISH & WILDLIFE FOUND (COSCO BUSAN)	SOUTH COVE PILINGS REPLACEMENT	Grant	\$120,000	\$120,000
06/27/12	NATIONAL FISH & WILDLIFE FOUND (COSCO BUSAN)	SOUTH COVE RESTROOM	Grant	\$600,000	\$600,000
05/08/12	DBAW SAVE GRANT (STATE)	ABANDONED BOAT REMOVAL	Grant	\$40,000	\$40,000
12/31/11	CDBG BLOCK GRANT (FEDERAL)	SAN PABLO PARK BASKETBALL RENOV	Grant	\$85,500	\$85,500
12/31/11	DBAW (STATE)	B&C DOCKS	Loan	\$3,650,000	\$3,650,000
03/22/11	ALAMEDA COUNTY FIRST 5	O-5 PROGRAMS	Grant	\$2,976	\$2,976
02/22/11	ENV ENHANCE & MITIG PRG /CALTRANS	TREE PLANTING	Grant	\$248,600	\$248,600
02/02/11	ENV ENHANCE & MITIG PRG /CALTRANS	TREE PLANTING	Grant	\$201,700	\$201,700

DATE	SOURCE	PROJECT	TYPE	REQUESTED	RECEIVED
10/28/03	DBAW (STATE)	WATERFRONT PUMPOUT STATION	Grant	\$60,000	\$60,000
03/11/03	PROP 12 URBAN RECREATIONAL & CULTURAL CENTERS (URCC) (STATE)	STRAWBALE BUILDING	Grant	\$290,000	\$290,000
09/24/02	CALRECYCLE (STATE)	STRAWBALE BUILDING	Grant	\$32,243	\$32,243
02/28/02	METROPOLITAN TRANSPORTATION COMMISSION (TDA)	OHLONE GREENWAY	Grant	\$43,573	\$43,573
02/25/02	CALRECYCLE (STATE)	RUBBERIZED PLAYGROUND SURFACE	Grant	\$50,000	\$50,000
01/28/02	UPARR (FEDERAL)	JAMES KENNEY CENTER UPSTAIRS	Grant	\$202,125	\$202,125
01/10/02	PROP 12 PER CAPITA BLOCK GRANT (STATE PARKS BOND) (2001-2009)	Skate Park; Live Oak Ctr; James Kenney Ctr; 4 Park Play (CCA); Live Oak Seismic; Civic Ctr Park; San Pablo Path	Grant	\$993,000	\$993,000
12/31/01	CDBG BLOCK GRANT (FEDERAL)	AQUATIC PARK PLAY EQUIPMENT RENOV	Grant	\$137,000	\$137,000
12/31/01	CDBG BLOCK GRANT (FEDERAL)	BERKELEY WAY MINI-PARK RENOVATION	Grant	\$47,800	\$47,800
12/31/01	CDBG BLOCK GRANT (FEDERAL)	PRINCE STREET TOT LOT RENOVATION	Grant	\$50,000	\$50,000
	TOTAL GRANTS			\$134,974,400	\$127,814,766

*** CBA: Community Benefits Agreement

2. DONATIONS

DATE	SOURCE	PROJ	TYPE	RECEIVED
01/21/22	RORICK TRUST	STRAWB CR PARK PICNIC/TREES	Donation	\$16,720
11/18/21	JENNY MAXWELL	AQUATIC PARK DOG FENCE	Donation	\$26,566
11/10/20	FRIENDS OF BERKELEY TUOLUMNE CAMP	BTC SHADE/VEGETATION	Donation	\$700,000
10/29/20	REGAN NURSERY	ROSES	Donation	\$1,100
04/23/20	FRIENDS OF BERKELEY TUOLUMNE CAMP	BTC SHADE-DESIGN	Donation	\$74,266
03/25/20	FRIENDS MARIN CIRCLE	MARIN CIRCLE BALUSTRADES	Donation	\$7,500
02/26/20	FRIENDS OHLONE PARK	OHLONE MURAL	Donation	\$9,500
10/22/19	BELCA (ECHO LAKE)	ECHO LAKE SUPPLIES	Donation	\$4,725
10/22/19	FRIENDS OF BERKELEY TUOLUMNE CAMP	ECHO LAKE SUPPLIES	Donation	\$7,050
03/21/19	FRIENDS ROSE GARDEN	ROSE GARDEN KIOSK	Donation	\$7,429
12/19/17	FRIENDS BECKY TEMKO	TOT LOT-BECKY TEMKO	Donation	\$7,000
08/10/17	BELCA (ECHO LAKE)	ECHO LAKE YOUTH CAMP TEEN TRIP; BUSES	Donation	\$4,995
10/27/16	FRIENDS ROSE GARDEN	ROSES	Donation	\$5,000
10/26/16	BELCA (ECHO LAKE)	ECHO LAKE YOUTH CAMP TEEN TRIP; BUSES	Donation	\$4,665
10/06/16	LOS AMIGOS DE CODORNICES	PLAQUE AT CODORNICES	Donation	\$1,749
09/08/16	OHLONE DOG PARK ASSOC	OHLONE DOG PARK	Donation	\$3,000
12/21/15	FRIENDS OF BERKELEY TUOLUMNE CAMP	ECHO LAKE YOUTH CAMP TEEN TRIP; BUSES	Donation	\$7,080

Attachment 5

Parks, Recreation and Waterfront Department (PRW)
Highest CIP Priorities- FY25

Below is a list of PRW's unfunded highest priority emergency projects. This \$20.5M list is a subset of the departments \$225M unfunded list.

Aquatic Park Tide Tube Maintenance/Replacement Project - \$4.0M

The eight tide tubes servicing Aquatic Park need immediate replacement or sleeving. Staff have applied for a planning grant from the Federal PROTECT Grant that was not funded. Staff are submitting another grant to fund both the planning and construction of this project in September. City Council authorized an \$800,000 set aside for the matching total needed (20%) for this project in FY24.

South Cove Seawall Replacement- \$5.25M

This project received 50% of the needed planning funding (\$250,000) in the FY25 budget process. Staff are issuing the contract for these planning funds now and will begin public process in October.

Glendale-La Loma Park 2-5, 5-12 Playground replacement - \$1.06M

Current 2-5/5-12 play structures are not accessible and many of the 4 x 4 wood standards have failed.

Codornices Park 2-5, 5-12 Playground Replacement \$1.06M

Current 2-5/5-12 play structures are not accessible and many of the 4 x 4 wood standards have failed.

Aquatic Park (Dreamland) Play Structure Replacement (\$2.5M or \$4.5M)

\$300,000 in planning funds have been identified to design this 2-12 year- old play structure and the adjacent area. The designer is on board and the public process will begin this fall. This project will dovetail with a Public Works Storm drain/bioswale project. Additionally, if funding allows, project could include new parking, restroom and pathway reorganization.

Shorebird Park 2-12 Play Structure Replacement (\$790,000)

Current wood standards are failing and needs replacement.

South Berkeley Landscaping (Here/There)- \$400,000

This project includes landscaping around the BART entrance in South Berkeley (Here/There area), Bus lab triangle and the area at the south end of the BART station. Council authorized \$75,000 for planning, design and public process

Echo Lake Camp ADA, Phase 2- \$2.3M

Phase 1 is funded and will be complete by the end of October. Phase 2 is designed, but needs \$2.3M to construct.

Santa Fe ROW Project - \$3.150M

This railroad track to park project has \$5M in a State grant funds, but needs another \$3.15M to complete the 4-block park. The toxins in the 4-block area were significantly worse than expected and are requiring extra funding to clean up. Staff unsuccessfully applied for the gap (\$3.15M) from a separate Federal grant in 2023. We plan on applying again later this year for the same Federal grant. While this project is not an emergency, if we don't complete the original scope of this project by finding the additional funding by FY27, the City risks losing are \$5.0M of State grant funding.

Ridership Forecast - Average Daily Boardings

2020 Daily Boardings

	Weekday Average	Weekend Day Average	Special Events (Average/day)
1) Berkeley - SF	1,830	2,990	200
2) Berkeley - SF - Mission Bay	2,020	3,300	200
3) Berkeley - Larkspur (weekend service)	—	490	—

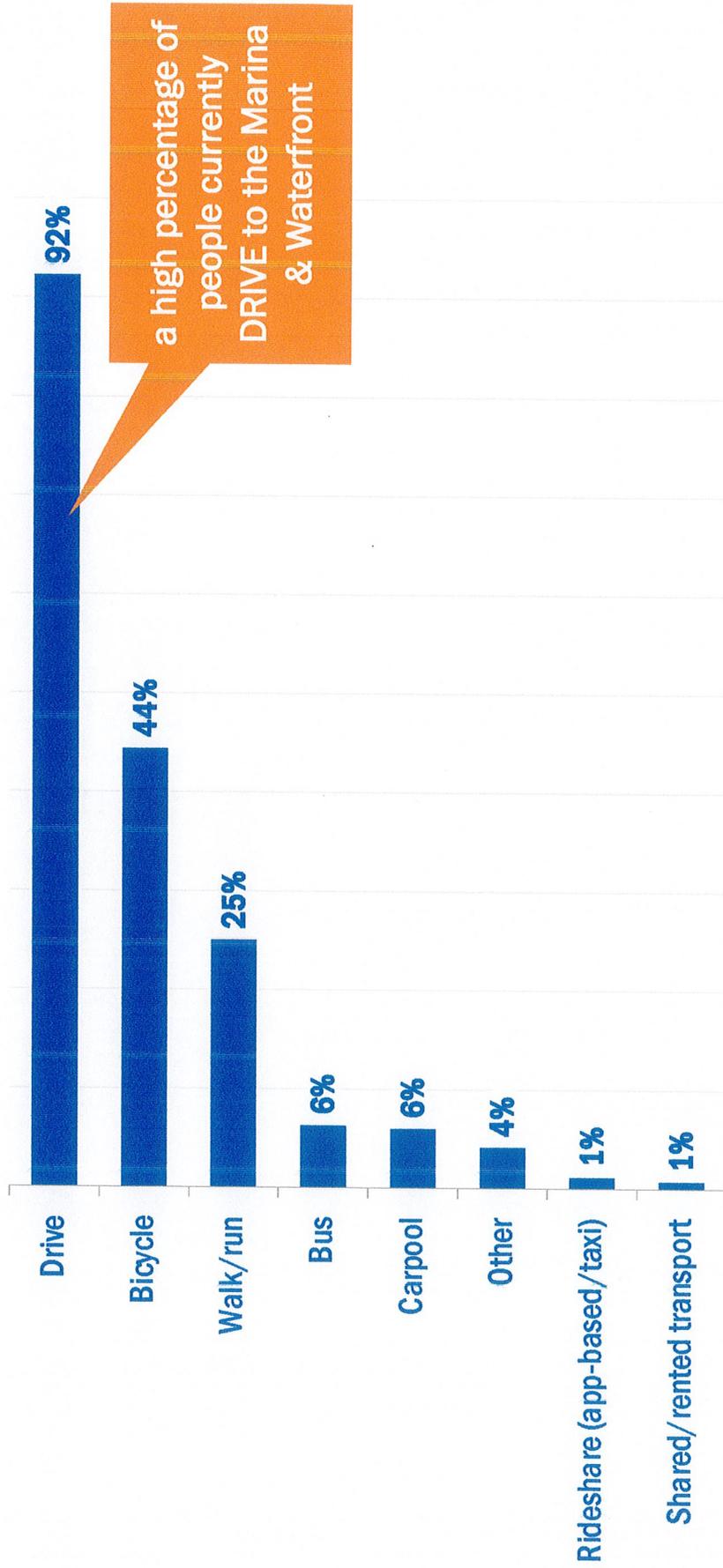
2040 Daily Boardings

1) Berkeley - SF	2,110	3,450	230
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

Q2: How do you currently access the Berkeley Marina and Waterfront?



3.4 RIDERSHIP AND MODE SHARE ESTIMATES

The proposed ferry terminal at the Waterfront will be located at the Berkeley Pier, which will be reconstructed to provide dual ferry and recreation access. WETA estimates a total of 1,830 average weekday boardings. Conservatively, this would result in 915 riders boarding at the Berkeley Terminal, assuming all riders are round-trip traveling between Berkeley and San Francisco and originating in Berkeley. It is projected that the average weekday boardings would reach 2,110 by 2040, equivalent to an estimated 1,055 riders.

The Feasibility Study and WETA Business Service Plan separately estimated the travel mode share of future ferry riders, as shown in **Table 1**. The Feasibility Study estimated that 54% of the ferry riders will drive alone and 9% will carpool to the Ferry Terminal. The remaining ferry riders will arrive by bicycle, ride-share, public transit or other modes of transportation that would not require a vehicle parking space. WETA Berkeley Ferry Service Business Plan estimates that only 31% will be driving alone and 15% will be carpooling to the Ferry Terminal.

Kittelson reviewed updated on-board survey data from WETA, which included surveys conducted in 2022. Using the WETA Business Plan methodology, Kittelson estimated the mode share based on the new data. The results estimate that 44% of trips were drive-alone, which is higher than the WETA business plan estimate. The 2022 estimates also estimate lower shares for walking (4%) and biking (11%). Public transit mode share was estimated at 2%, which could be largely attributed to pandemic conditions, as people were avoiding public transportation.

Comparing the three sources of data, Kittelson has recommended a baseline (i.e. pre-TDM implementation) mode-share that reflects the local context and our understanding of the existing travel patterns at Berkeley Waterfront. The baseline mode share, shown in bold in Table 1 below, represents the assumed mode share before implementation of new TDM strategies at the Waterfront. TDM strategies that further reduce the parking demand for Ferry Riders are in development.

Source	Drive Alone	Carpool	Kiss-and-Ride	Public Transit	Bike	Walk Only	TNC/Taxi	Other ¹
WETA Business Plan, 2017-2019	31%	15%	15%	5%	16%	8%	8%	2%
Feasibility Study Baseline (2021)	54%	9%	8%	4%	18%	3%	3%	1%
WETA Updated Survey - 2022	44%	8%	8%	2%	11%	4%	2%	21%
Recommended Baseline (no TDM) Kittelson (2024)	40%	12%	8%	5%	16%	4%	5%	10%

Source: WETA Business Plan, 2022; WETA On-board Surveys, 2022 and Feasibility Study, 2021

¹Other includes multiple modes and private shuttle