

March 10, 2020





Nigtevecht Bicycle Bridge

Year Built: **2018**

Length: **304'**

Height: **32'**

Location: **Amsterdam, The Netherlands**

Features:

- Bridge deck allows for a cyclists to stop and admire the view
- Staircases allow pedestrians to quickly access the bridge, safe from cyclists



SOURCE: <https://ipodelft.com/>

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High Trestle Trail Bridge

Year Built: **2014**

Length: **2640'**

Height: **130'**

Location: **Madrid, Iowa**

Features:

- Among the world's largest trail bridges
- Lighting fixtures offer illumination in the evening



SOURCE: www.thegazette.com

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Living Bridge

Year Built: **2007**

Length: **1148'**

Height: **14'**

Location: **Limerick, Ireland**

Features:

- Designed to accommodate social gatherings, informal teaching sessions, music & dance performances
- Gives the impression of jumping from "stone to stone" (five-span structure)



SOURCE: <https://studyireland.ie>

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Bicycle Snake

Year Built: **2014**

Length: **721'**

Height: **72'**

Location: **Copenhagen, Denmark**

Features:

- 13' wide (4m)
- Bridge separates cyclists from pedestrians, allowing cyclist to pass quickly and efficiently through area



SOURCE: www.tidskriftenrum.se

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Sundial Bridge

Year Built: **2004**
 Length: **700'**
 Height: **26' (bridge), 217' (pylon)**
 Location: **Redding, California**

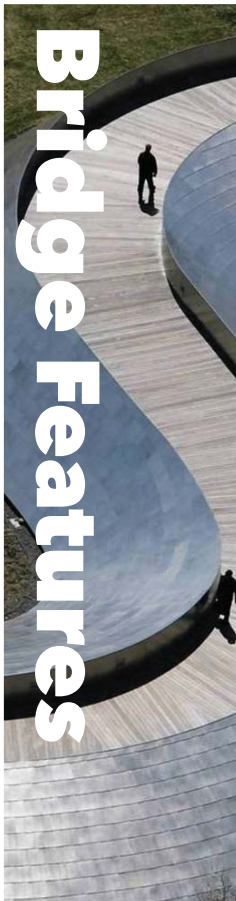
Features:

- Largest working sundial bridge
- Environmentally sensitive to its river setting



SOURCE: www.californiasun.co

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Bridge Features



Art



Älvsborg Bridge
Gothenburg, Sweden (Repainted 2017)

SOURCE: www.barbarapicci.com



BP Bridge
Chicago, Illinois (2018)

SOURCE: www.journal.homemania.ru



Aiola Island Bridge
Graz, Austria (2003)

SOURCE: www.atelierdna.com

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Lighting



Aiola Island Bridge
Graz, Austria (2003)

SOURCE: www.simpletravel.ru



Skydance Bridge
Oklahoma City, Oklahoma (2012)

SOURCE: www.butzerarchitects.com



Rainbow Bridge
Long Beach, California (2017)

SOURCE: www.arup.com

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Shade Canopy



La Paloma Footbridge
Madrid, Spain (2008)

SOURCE: www.spanishbridges.princeton.edu



The Bridge of Peace
Tbilisi, Georgia (2010)

SOURCE: www.aasarchitecture.com

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Seating



**Providence River
Pedestrian Bridge**
Providence, Rhode Island (2019)

SOURCE: www.architect.com



Bostanli Bridge
Izmir, Turkey (2016)

SOURCE: www.culturalrainquieta.com

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Stairs&Ramps



Ölhafen Bridge
The Netherlands (2013)

SOURCE: www.eltiempo.com



The Paleisbrug
The Netherlands (2015)

SOURCE: www.projects.archiexpo.com

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Bike Lift



SOURCE: www.haberturk.com

Trampe Bicycle Lift
Trondheim, Norway (1993)

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Plazas&Terminals



SOURCE: www.avontura.com

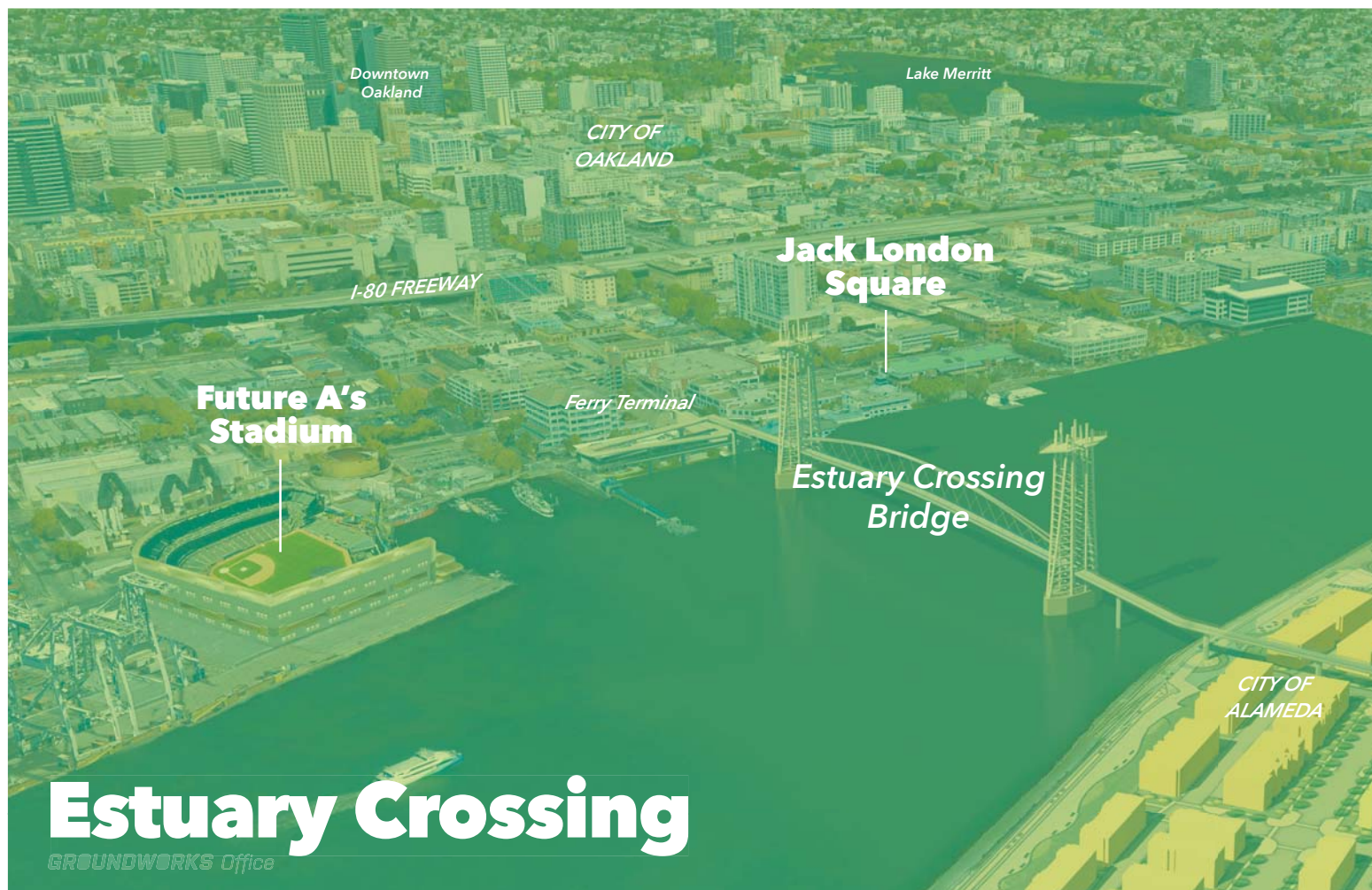
Azatlyk-Central Square
Naberezhnye Chelny, Russia (2019)



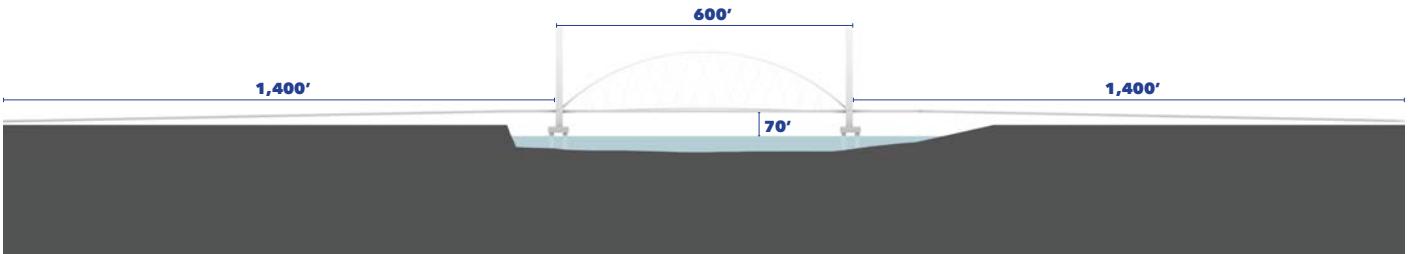
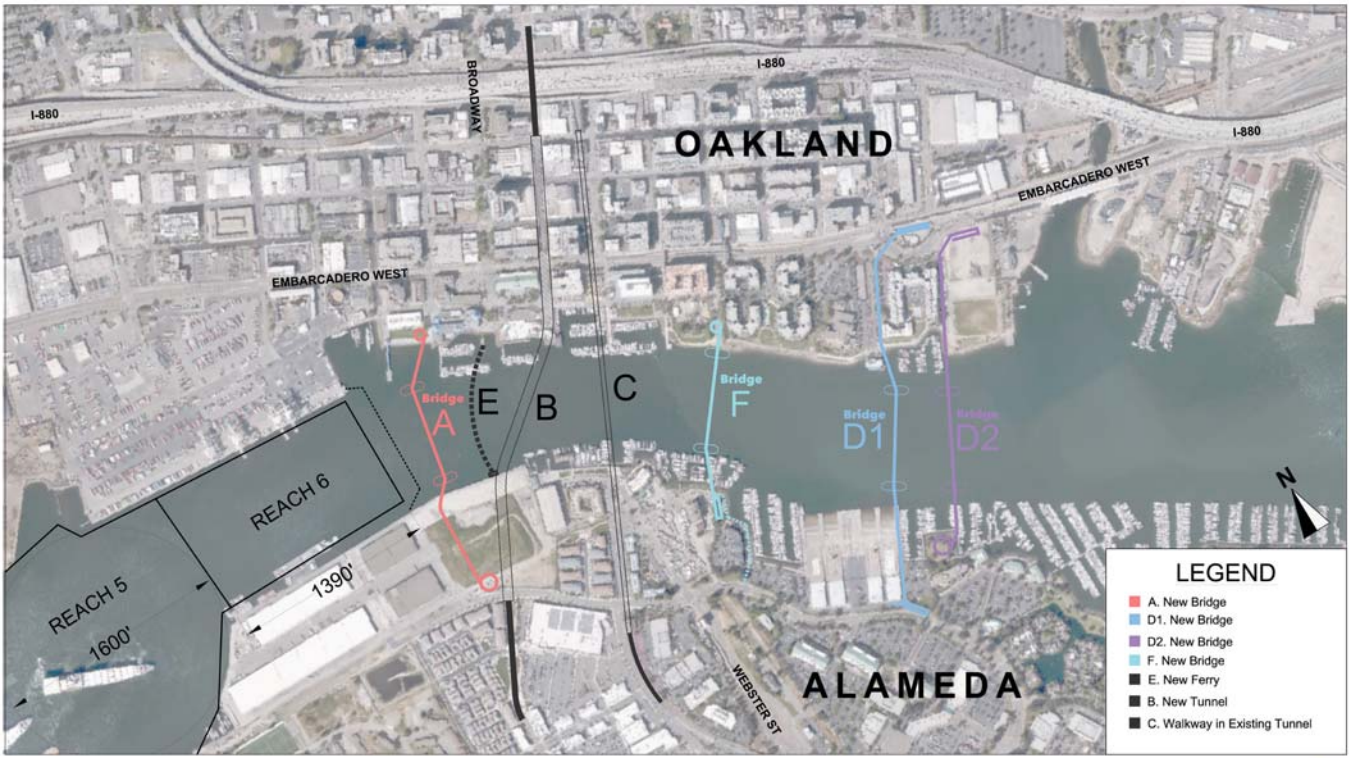
SOURCE: www.rudybruneraward.org

Brooklyn Bridge Park
Brooklyn, New York (2010)

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OAKLAND ALAMEDA ACCESS PROJECT
ESTUARY CROSSING CONCEPTS



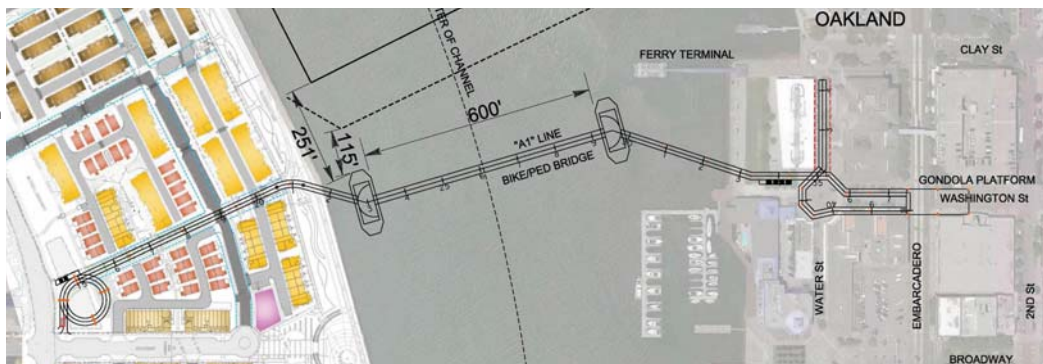
Bridge A - Estuary Bridge Crossing



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Estuary Crossing at Washington St.

A₁
Gondola
Connection



What is good?

What is bad?

What would you like to add?

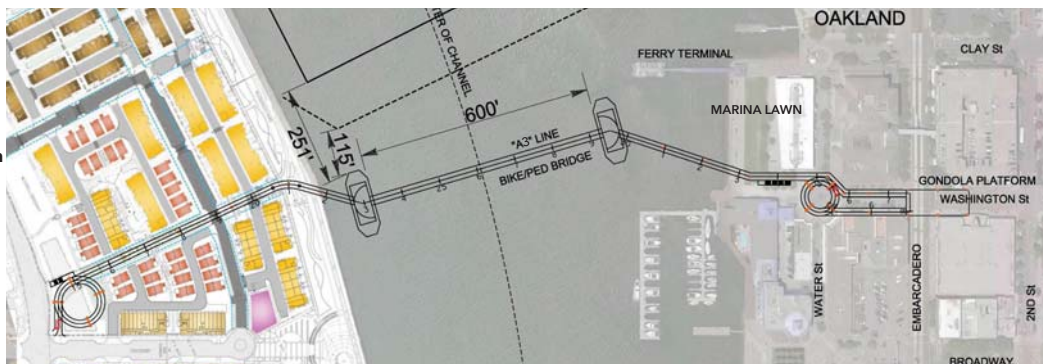
Pros:

- Oakland approach is elevated and allows use of roundabout by vehicles
- Allows access for future gondol
- More direct route across Estuary

Cons:

- Constructs ramp between A's stadium & Port of Oakland offices

A₃
Spiral
with
Gondola
Connection



Pros:

- Hybrid between Alt A₁ and A₂

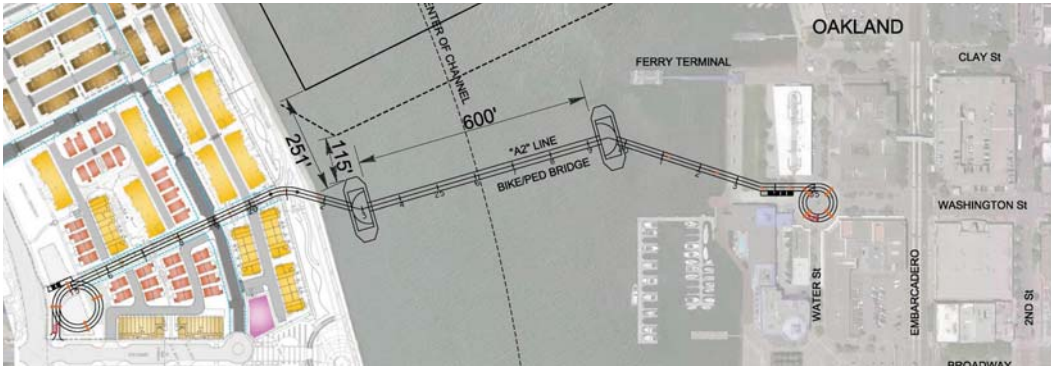
Cons:

- Vehicles prohibited in roundabout

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Estuary Crossing at Washington St.

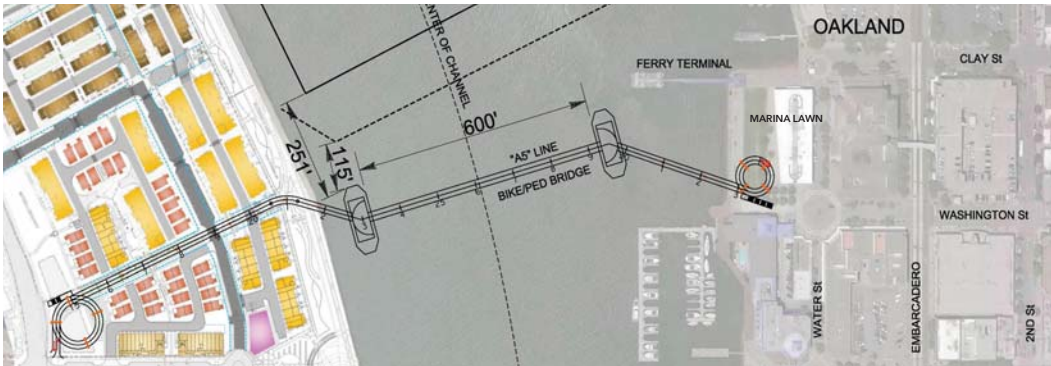
A₂
Spiral
Option



- What is good?**
- What is bad?**
- What would you like to add?**

- Pros:**
- Shorter bridge length over estuary
 - Uses existing roundabout
- Cons:**
- Vehicles prohibited in roundabout
 - Impacts to Hotel

A₅
Helix
in
Marina
Lawn

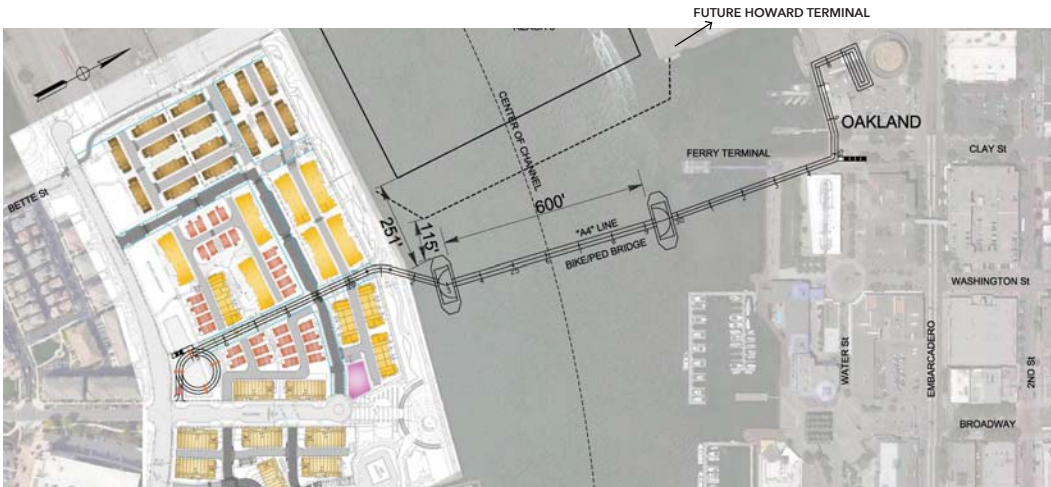


- Pros:**
- Does not impact roundabout
- Cons:**
- No gondola connection

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Estuary Crossing at Washington St.

A₄
Helix
near
Howard
Terminal



- What is good?**
- What is bad?**
- What would you like to add?**

- Pros:**
- Does not impact roundabout
 - Oakland approach is closer to A's stadium
- Cons:**
- Does not connect with bike lanes on Washington St.
 - No gondola connection

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Estuary Crossing at Oak St.

D₁



What is good?

What is bad?

What would you like to add?

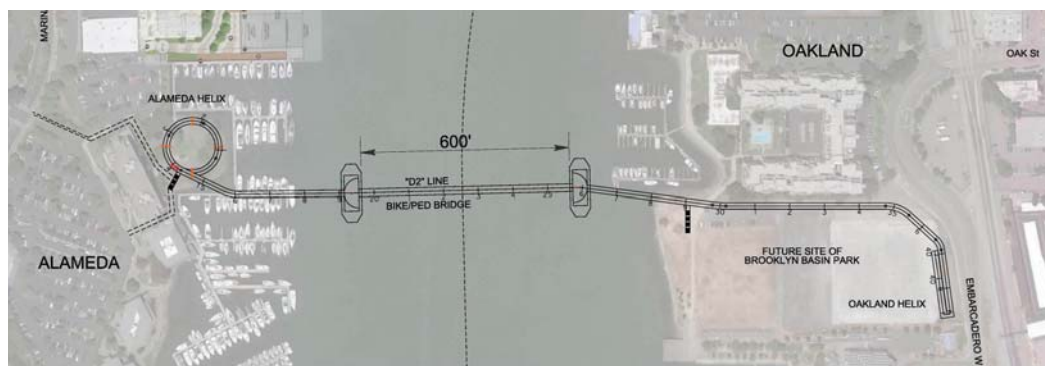
Pros:

- Utilizes shipways development on Alameda approach

Cons:

- Impacts public path to Bay Trail through parking lot on Oakland approach

D₂



Pros:

- Utilizes space in Estuary Park

Cons:

- Impacts Bay Trail and obstructs views on the Alameda approach
- Impacts Marin Village docks

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Estuary Crossing at Alice Street

F



What is good?

What is bad?

What would you like to add?

Pros:

- Connects to Oakland Amtrak
- Connects to existing path along Alameda waterfront

Cons:

- Impacts Barnhill Marina
- Displacement of low-income households

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