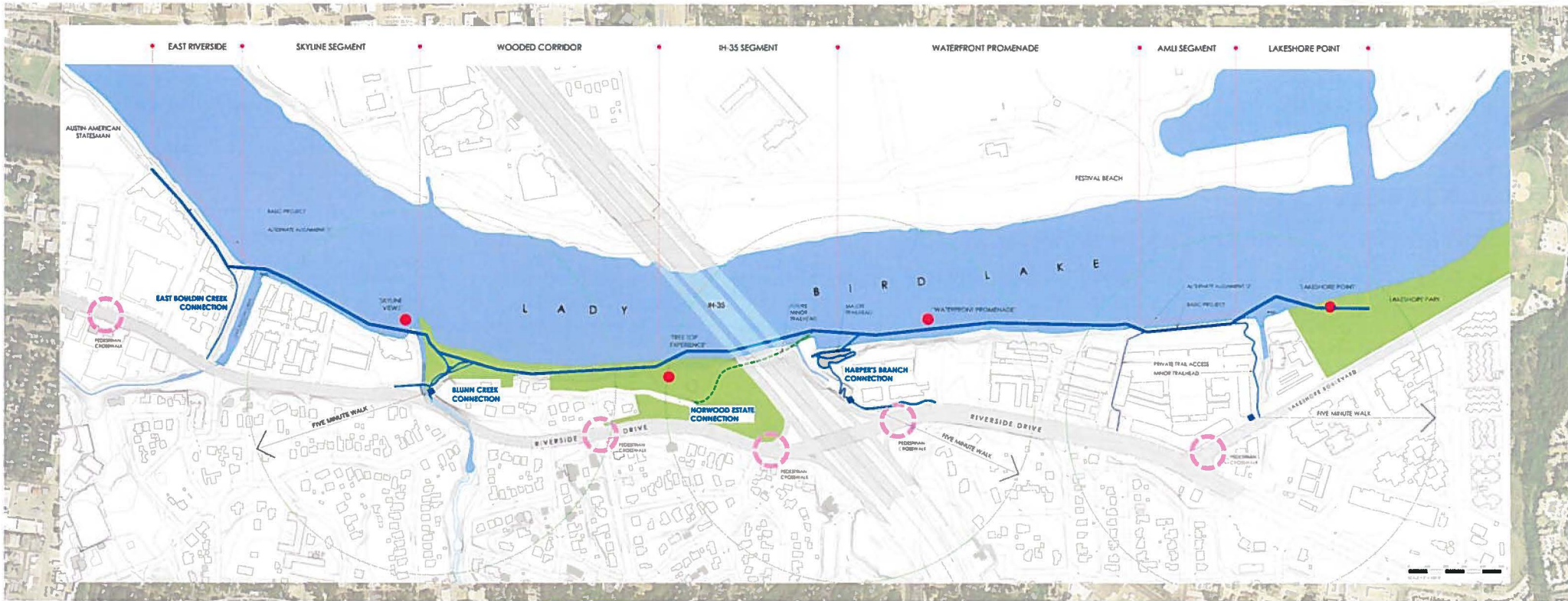


Proposed Boardwalk Trail at Lady Bird Lake

AUSTIN, TEXAS



CONCEPT PLAN
10 November 2008



JACOBS

Proposed Boardwalk Trail at Lady Bird Lake

AUSTIN, TEXAS

TRAIL CONSTRUCTION SYSTEMS COMPARISON

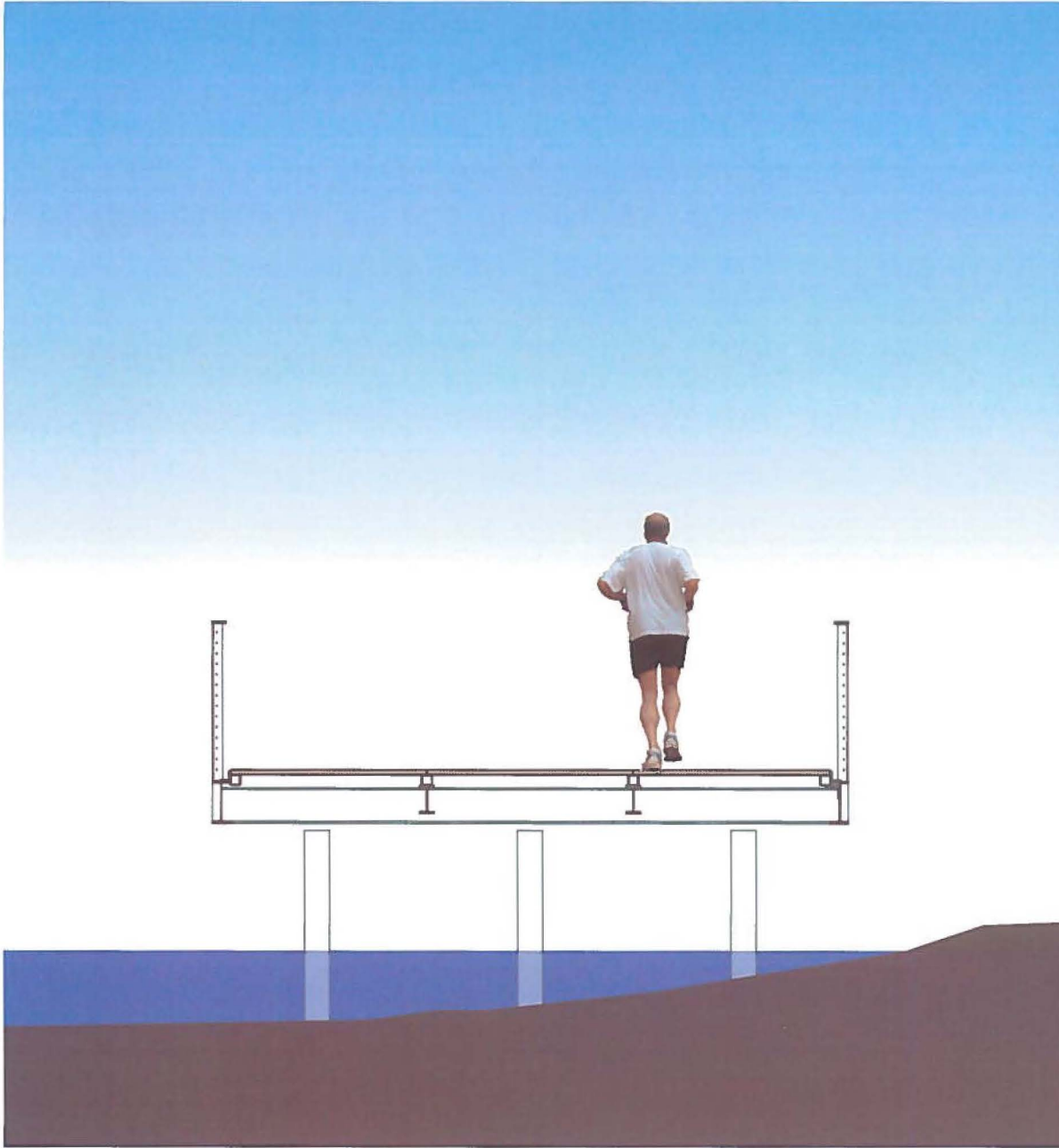
Park Board Facilities Sub-Committee Update

November 10, 2008



Austin
Parks and
Recreation

JACOBS

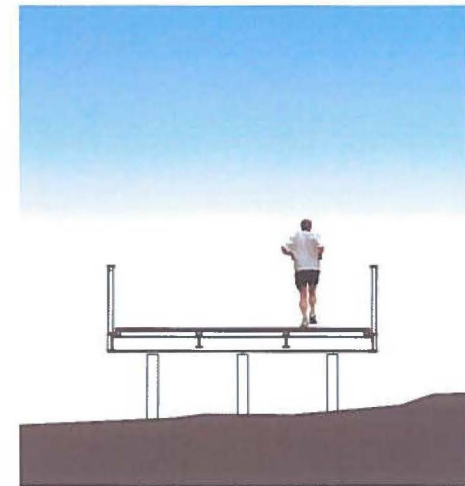


Boardwalk with micro-piles shown in shallow water.

BOARDWALK in shallow water or on land

- Six micro-piles every 20 ft.
- Galvanized steel structure
- Wood, synthetic wood, concrete, metal or fiberglass grating deck
- Airplane cable, metal panel or chain link in a galvanized steel rail system.

Note: A micro-pile is a small-diameter concrete column with one piece of reinforcing steel running through the middle of it. These micro-piles are drawn at 7" diameter.

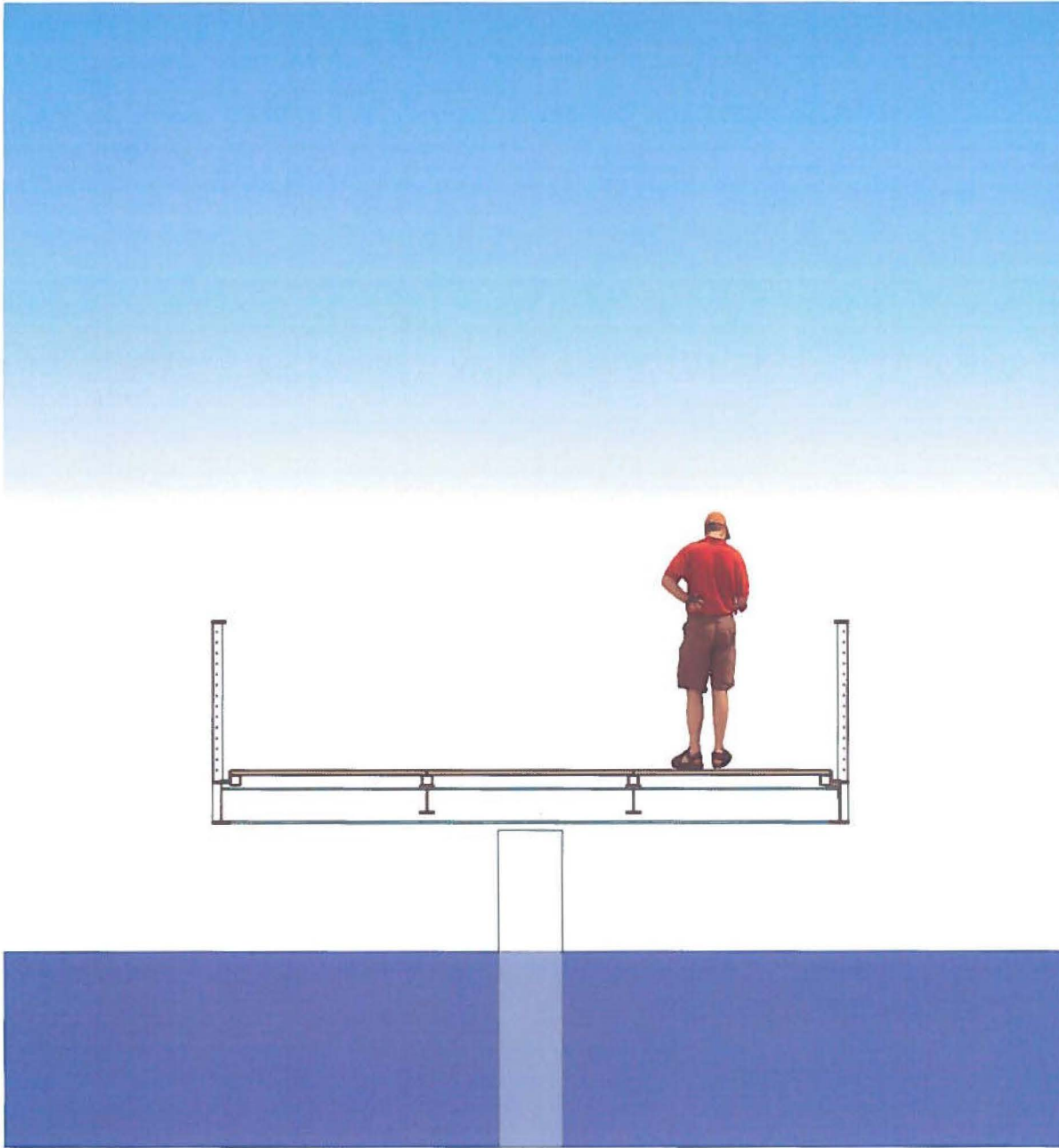


Boardwalk with micro-piles shown over land.

BOARDWALK in deep water

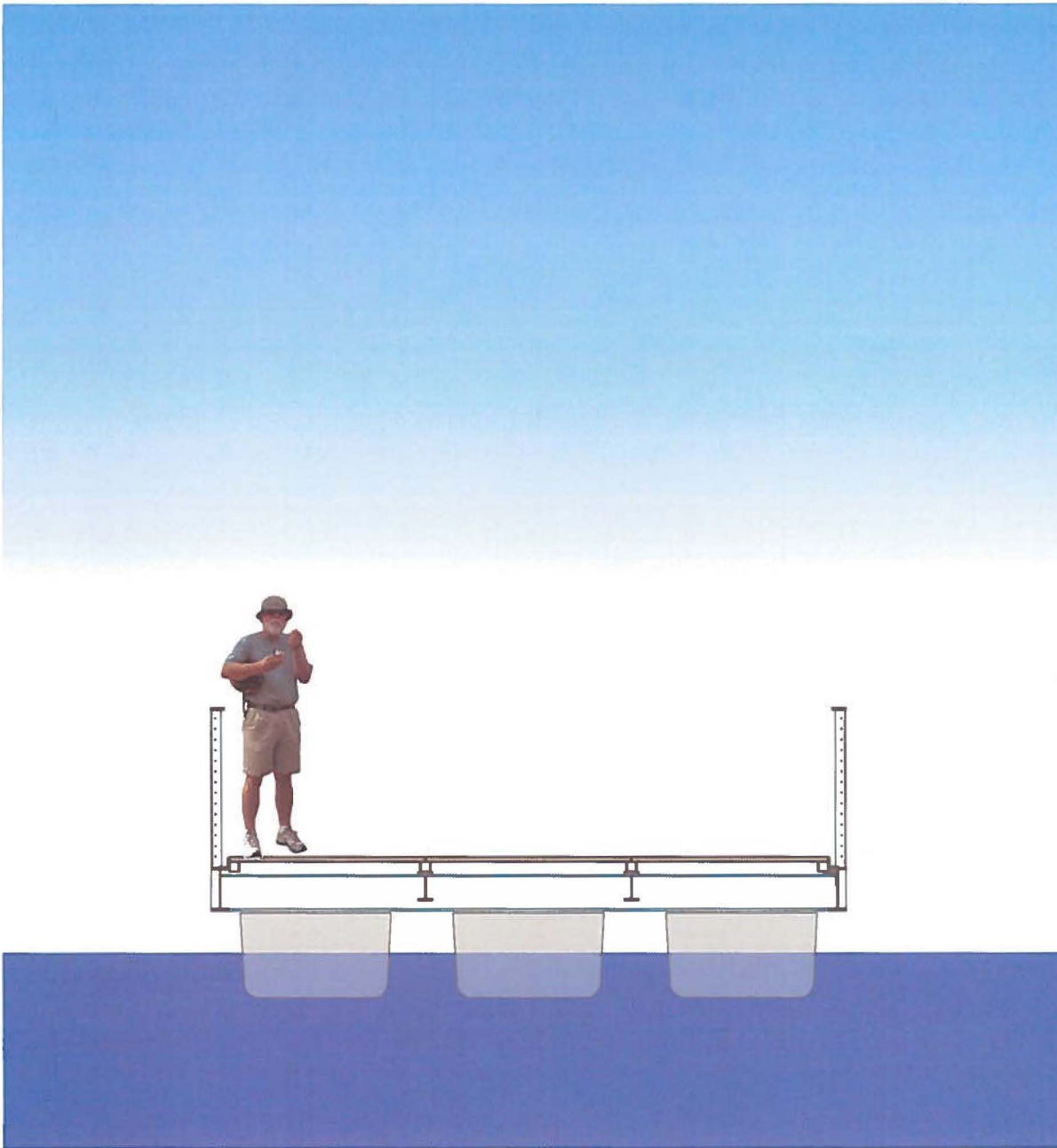
- One 18" dia. pier every 25 ft.
- Steel structure
- Wood, synthetic wood, concrete, metal or fiberglass grating deck
- Airplane cable, metal panel or chain link in a galvanized steel rail system.

Note: deep water is defined as > 5 ft.



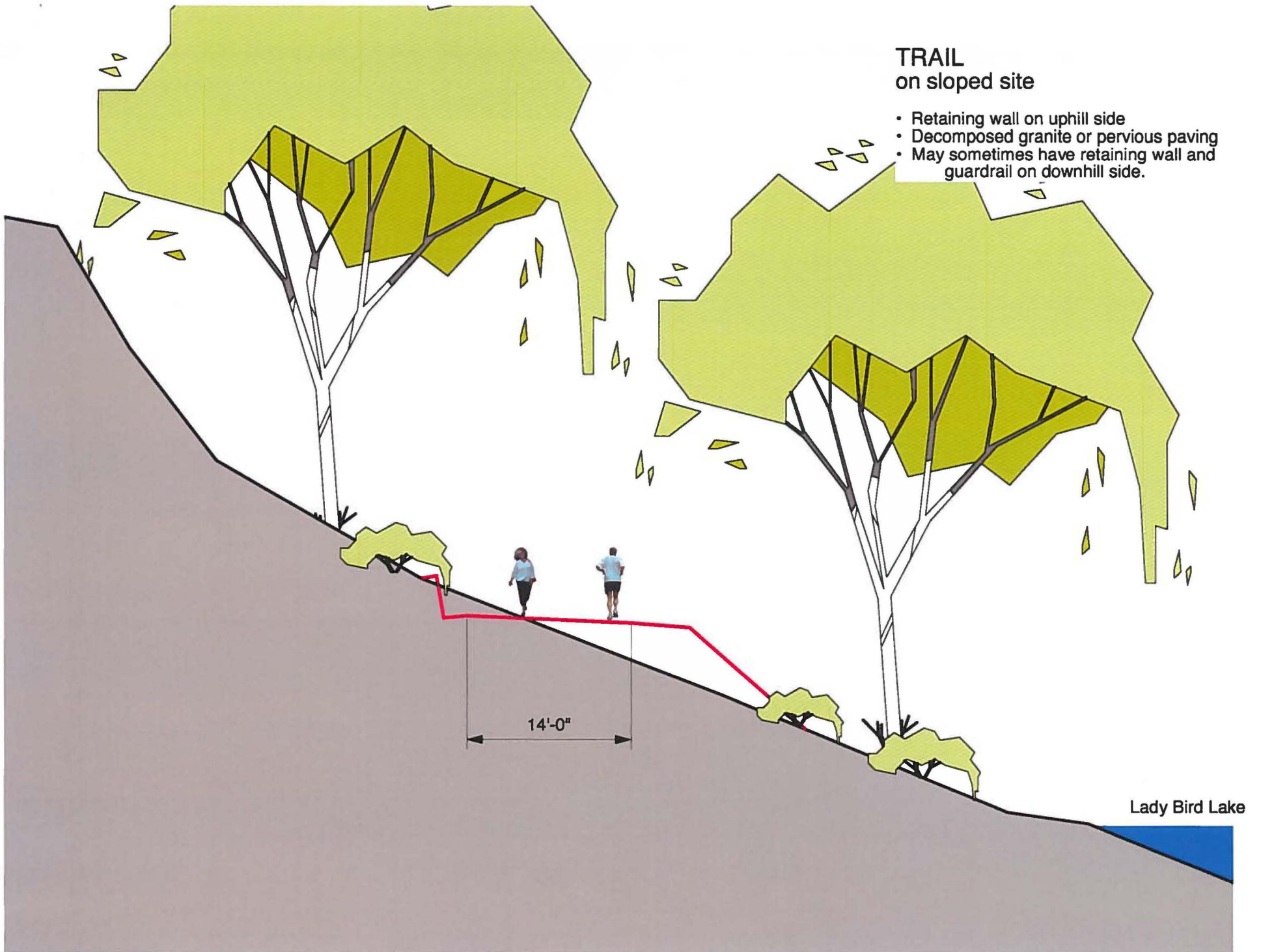
BOARDWALK for bathing

- Floating system held in place by cables or piers.
- Steel structure
- Wood, synthetic wood, concrete, metal or fiberglass grating deck
- Airplane cable, metal panel or chain link in a galvanized steel rail system.



TRAIL on sloped site

- Retaining wall on uphill side
- Decomposed granite or pervious paving
- May sometimes have retaining wall and guardrail on downhill side.

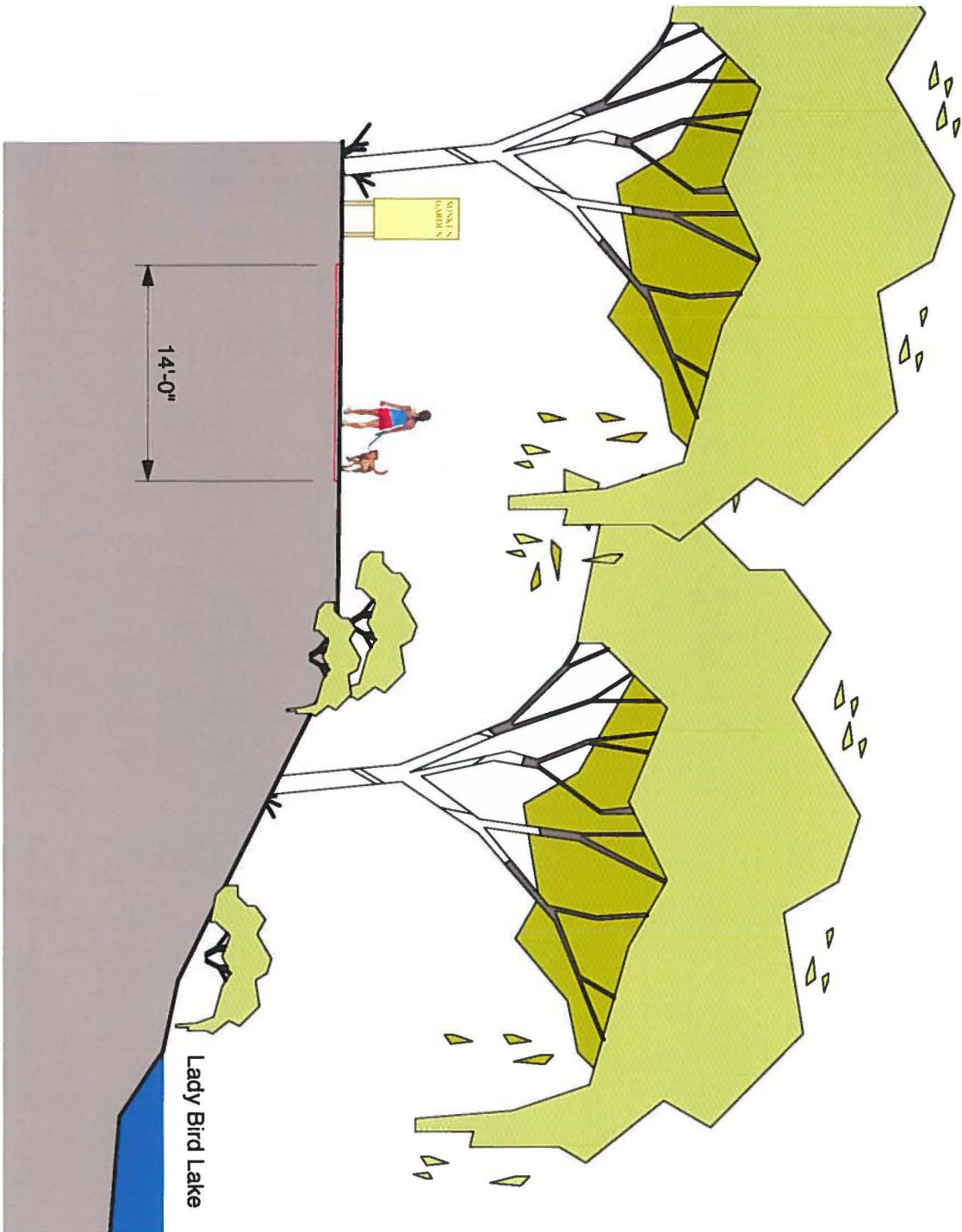


Lady Bird Lake

NOVEMBER 10, 2008

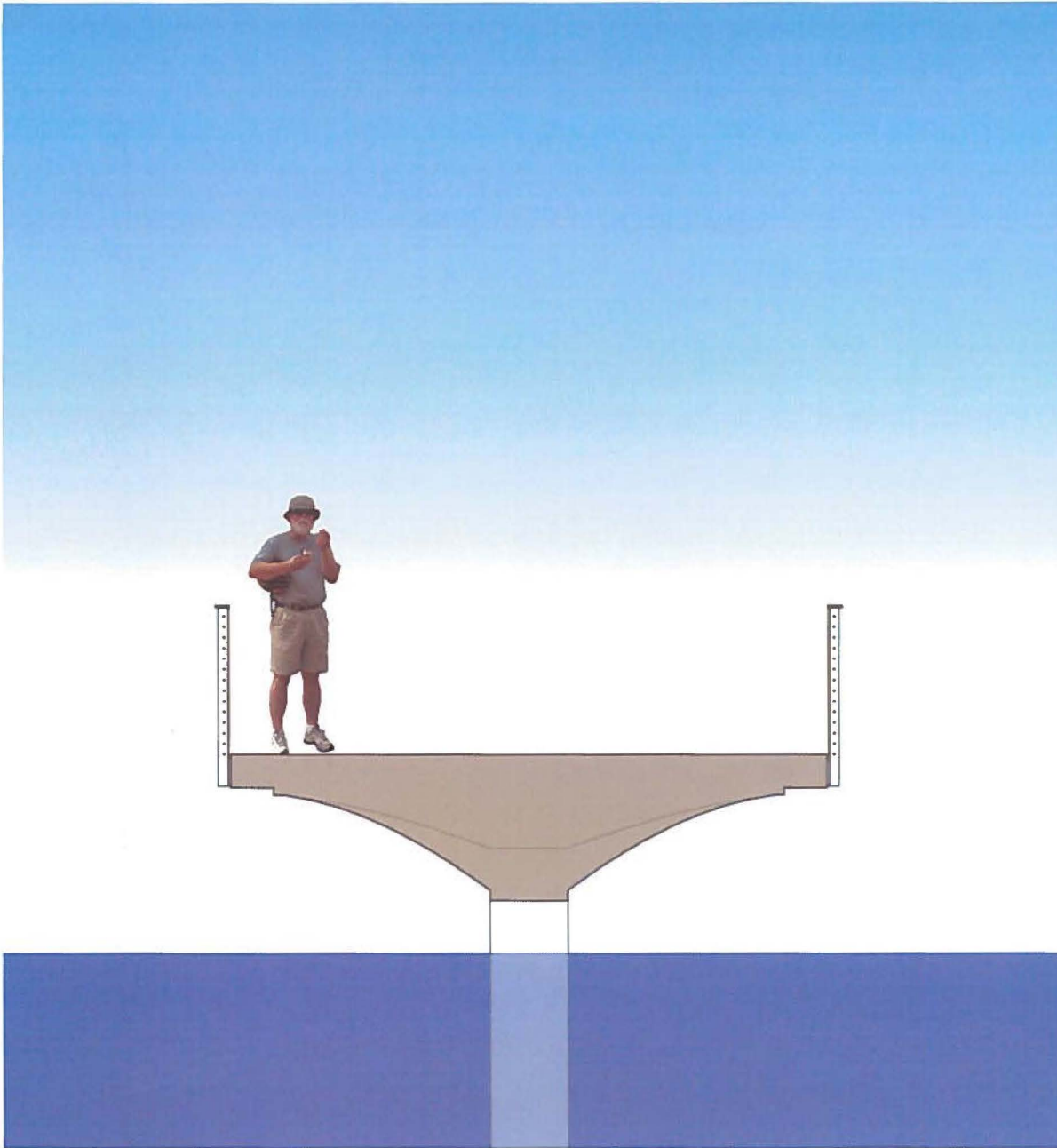
TRAIL on flat site

- Decomposed granite or pervious paving



BOARDWALK

- One 30" dia. pier every 50 ft.
- Concrete structure
- Concrete deck surface
- Airplane cable, metal panel or chain link in a galvanized steel rail system.



BOARDWALK Continental Bridge

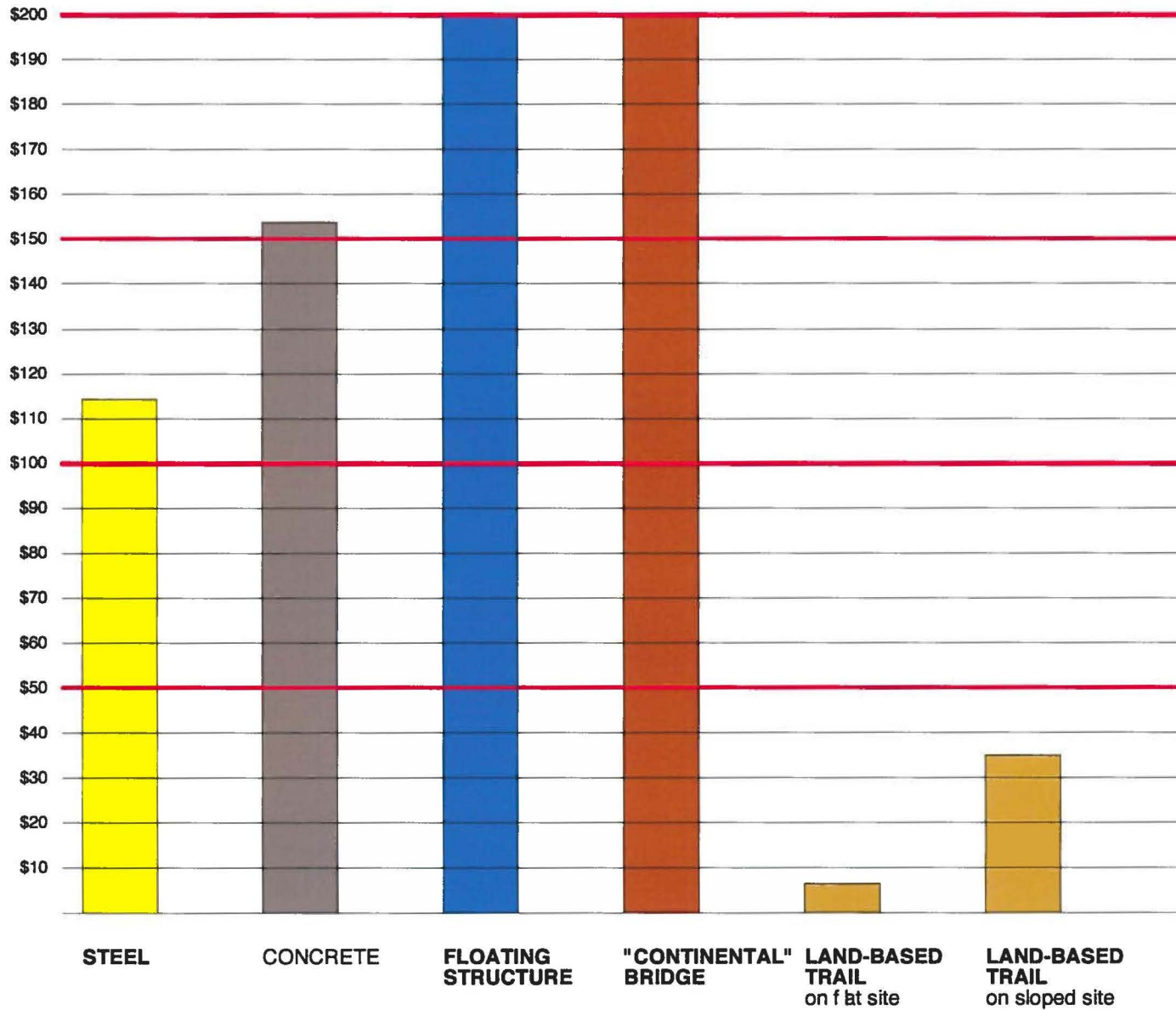
- Pre-manufactured bridge
- Wood or concrete decking
- Spans up to 120 ft.



NOVEMBER 10, 2008

(cost per sq. ft.)

COST CATEGORIES FOR STRUCTURAL SYSTEMS



NOTE: These square foot costs are based on a 14 ft. wide boardwalk or trail. They are intended for use in comparing structural systems. They do not include lighting, benches, interpretative graphics, seating, or any of the other appointments this boardwalk may require.

Boardwalk Trail at Lady Bird Lake Preliminary Conceptual Cost Estimate

November 10, 2008

Basic Project

Segment	Length	Total Cost
East Riverside	753	\$0.00
Skyline Segment	1060	\$1,721,440.00
Wooded Corridor	1340	\$2,176,160.00
IH 35 Segment	1120	\$2,352,000.00
Waterfront Promenade	1650	\$3,465,000.00
Amli Segment	522	\$0.00
Lakeshore Point	766	\$819,560.00
		\$10,534,160.00

Major Trailhead

Blunn Creek Connection	779	\$835,240.00
Harper's Branch Connection	763	\$1,526,000.00

Minor Trailhead

E. Bouldin Creek Connection	547	\$0.00
Minor Trailhead	705	\$0.00

15% Contingency Fee \$1,934,310.00

TOTAL BASIC PROJECT COST: \$14,829,710.00

Alternates

Segment	Length	Total Cost + 15% Contingency
Alternate Alignment "1"	959	\$1,791,028.40
Alternate Alignment "2"	640	\$1,195,264.00

Future Phases

Segment	Length	Total Cost + 15% Contingency
Norwood Estate Connection	775	\$360,180.00

