

*Ke Ala Hele Makalae*  
**Phase III**  
**Lydgate Park to Lihi Park**

Presented by  
the Lydgate Park to Lihi Park  
Planning & Design Teams  
December 7, 2009  
at the War Memorial Convention Hall

Lydgate Park to Lihi Park Ke Ala Hele Makalae Phase III Pathways Project

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**Kimura International**  
Review of Planning Process

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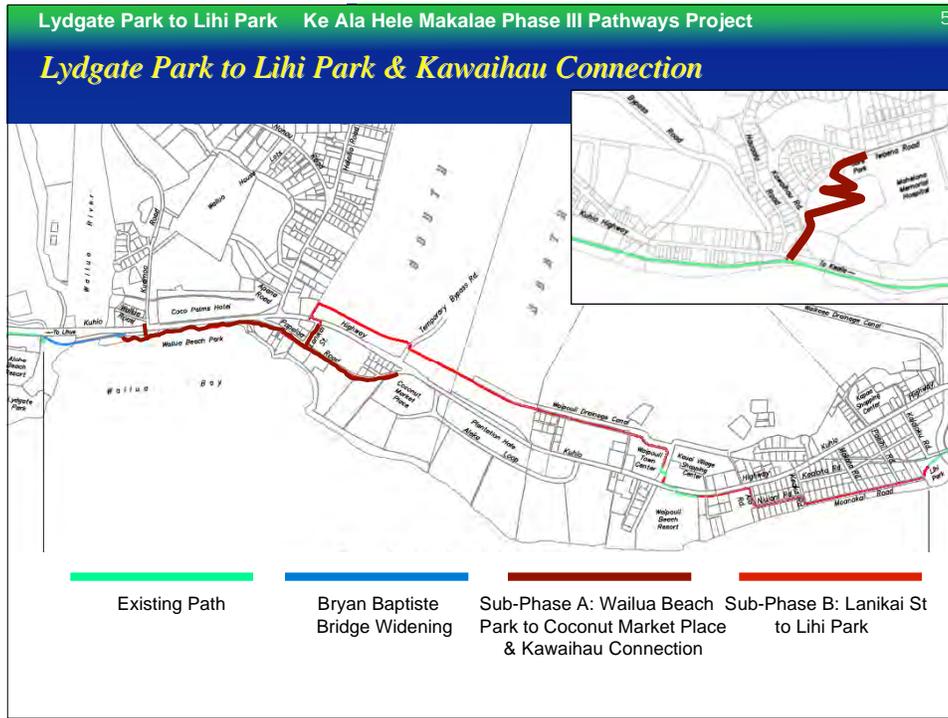
## design team is...

- updating the public on progress to date since the planning and Environmental Assessment were completed and the Finding of No Significant Impact (FONSI) was issued.
- required to follow the path alignment as specified in the Environmental Assessment.

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## three phases of the project schedule Lydgate Park to Lihi Park

phase	status	projected completion
Bryan Baptiste Bridge Widening	under construction	2010
Wailua Beach Park to Coconut Plantation Marketplace & Kawaihau Connection	ready to bid	2011
Lanikai Street to Lihi Park	under design	2011



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## Wailua Beach

*Dr. Mike Dega—archaeological issues*

- Archaeological Monitoring Plan Approved by the Department of Land and Natural Resources State Historic Preservation Division (SHPD), February 18, 2008.
- The team will supplement this Plan by manually pre-testing anchor locations to assess the presence/absence of cultural materials and/or burials.
- During testing, a Cultural Monitor designated by the SHPD will be present.
- Archaeological data shows known burials and other known, significant sites, to occur mauka side of Kuhio Highway (Coco Palms and above).
- No known archaeological sites occur on the makai side of the highway throughout Wailua Beach.

*Dr. Mike Dega—archaeological issues*

- Bennett (1931) listed Site 103 as “burial grounds” but its terminus is Lydgate Park, southern side of Wailua River. He lists only one site for Wailua Beach area proper: Kukui Heiau (Site 108), which occurs on the point named Lae Alakukui, to the north.
- There are no Land Commission Awards for Wailua Beach. According to Tax Map Key information, the land was owned by the Lihue Plantation Company.
- During and Post-project: Increased signage with history and significance of Wailuanuiaho.

*Dr. Chip Fletcher—coastal erosion issues*

- Wailua Beach has undergone long-term accretion at a rate of approximately 1 ft/yr in the center region.
- The beach is characterized by episodic erosion that occurs on a short-term basis associated with accelerations in the trade winds that drive higher than normal wave energy or refracted north swell (or south swells) with a strong easterly component.
- But in the past these episodes have been followed by accretion phases that have recovered the beach width to pre-eroded conditions. This is a typical behavior for Hawaiian beaches that are not deficient in their sand supply.



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*Dr. Chip Fletcher—coastal erosion issues*

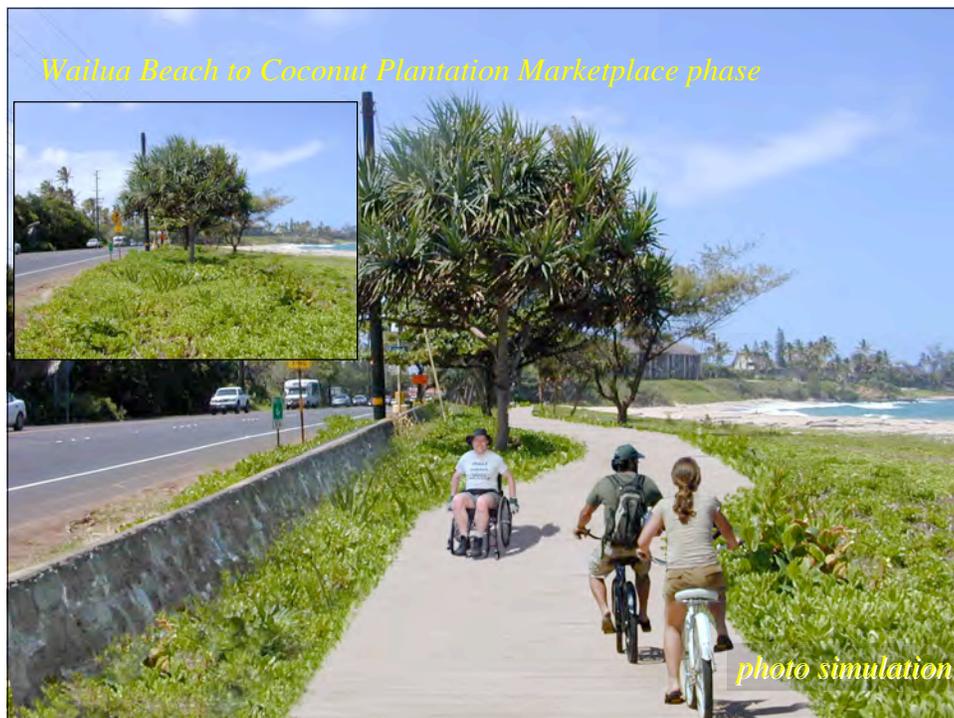
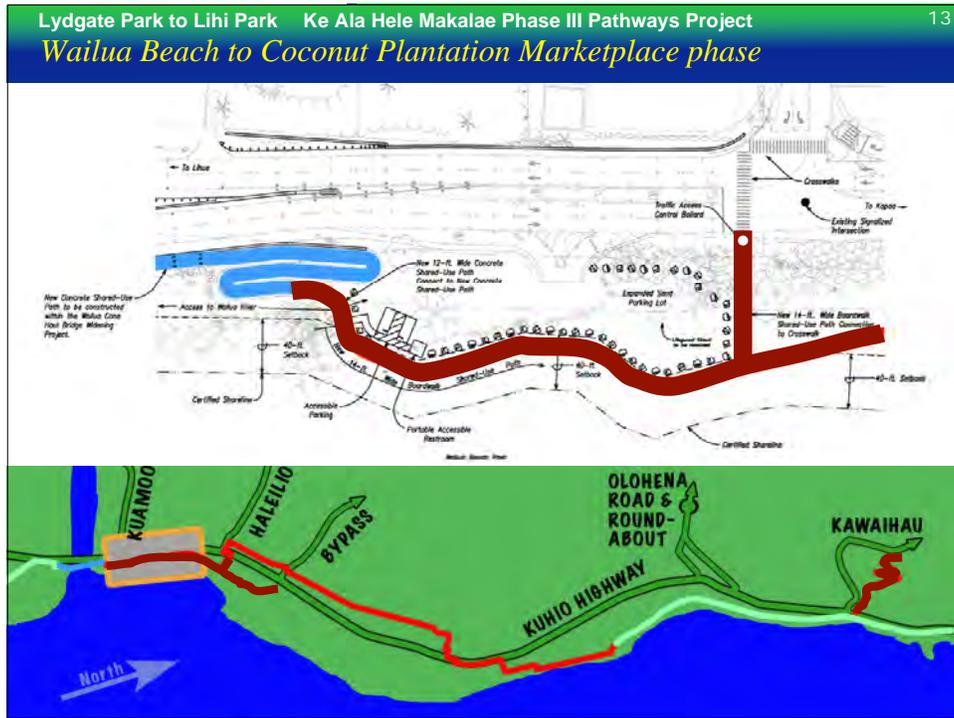
- The portion where the pathway and parking are planned will probably be attacked by erosion when global warming drives sea level higher in Hawaii.
- When erosion won't stop, then the path and the parking materials should be removed.
- Until then I think the path and parking will enhance public access to this beautiful location without harming the beach.

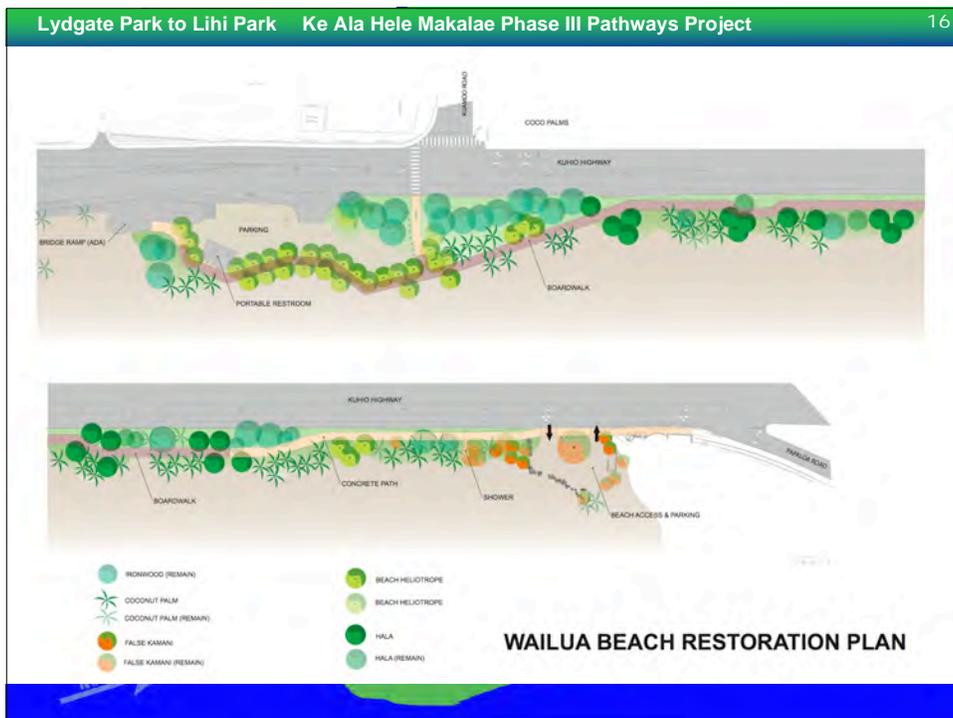
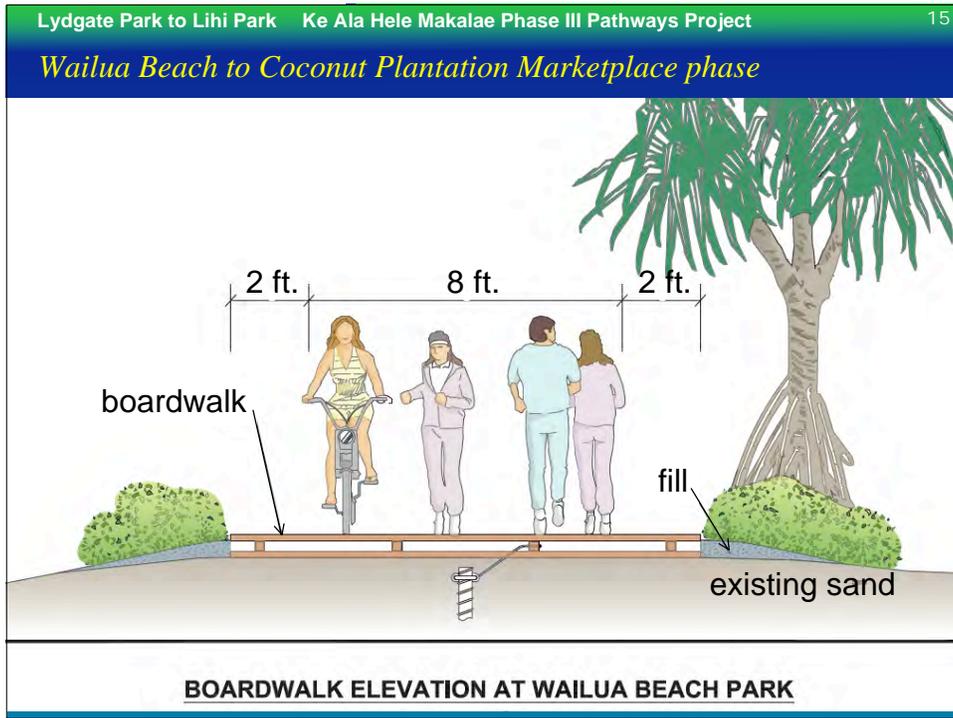
*Dr. Chip Fletcher—coastal erosion issues*

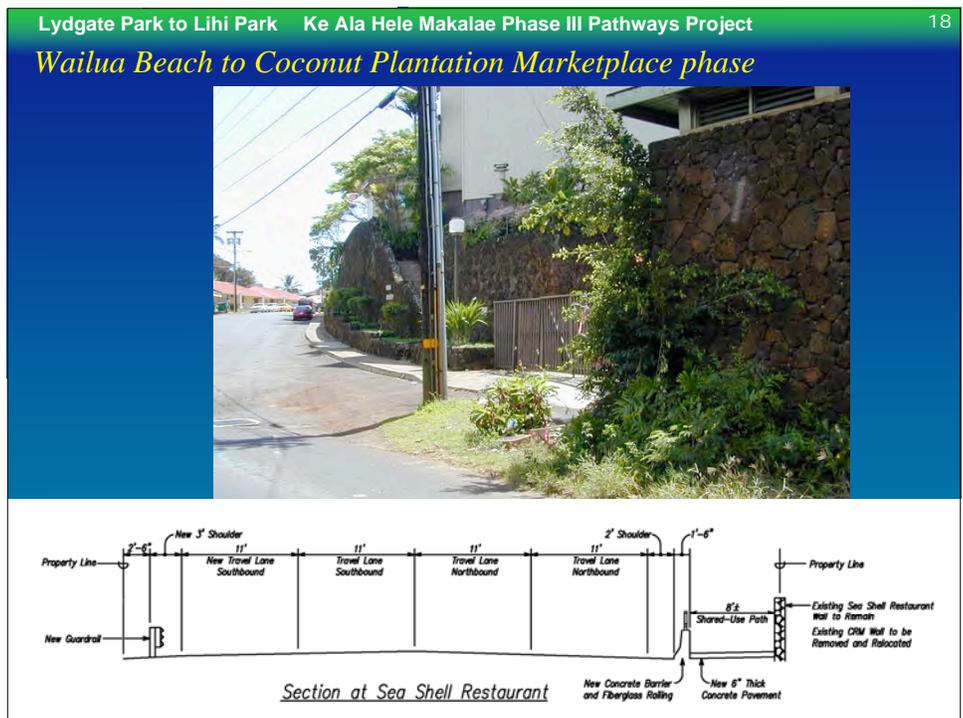
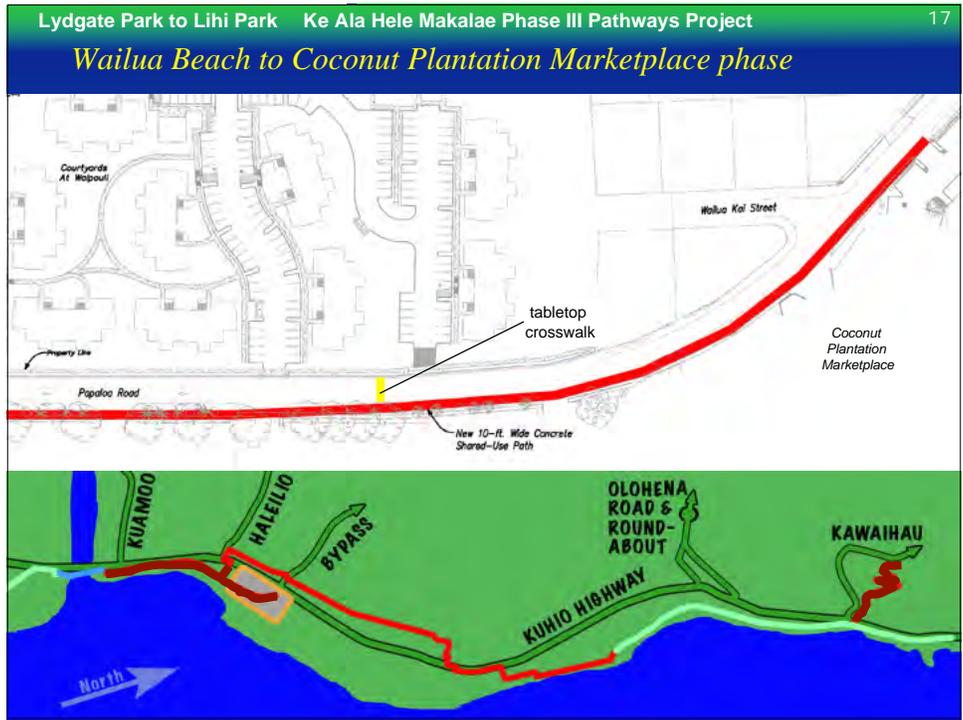
- The overall design [the boardwalk] gives the unit strong resistance to shear forces generated by overwashing waves that is known to occur in this area on occasion.
- The planned design would allow segments of the boardwalk to be undermined but not disconnected from the overall configuration.
- The walkway may shift, in the way that portions of a snake shift laterally as it moves, but breaking free is unlikely.

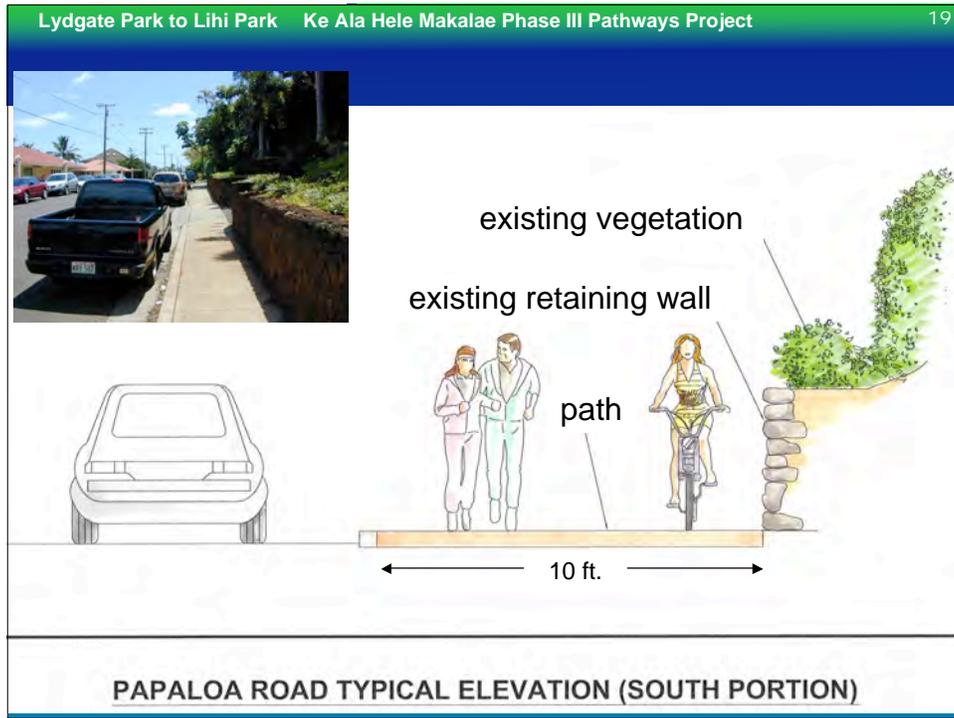
*Dr. Chip Fletcher—coastal erosion issues*

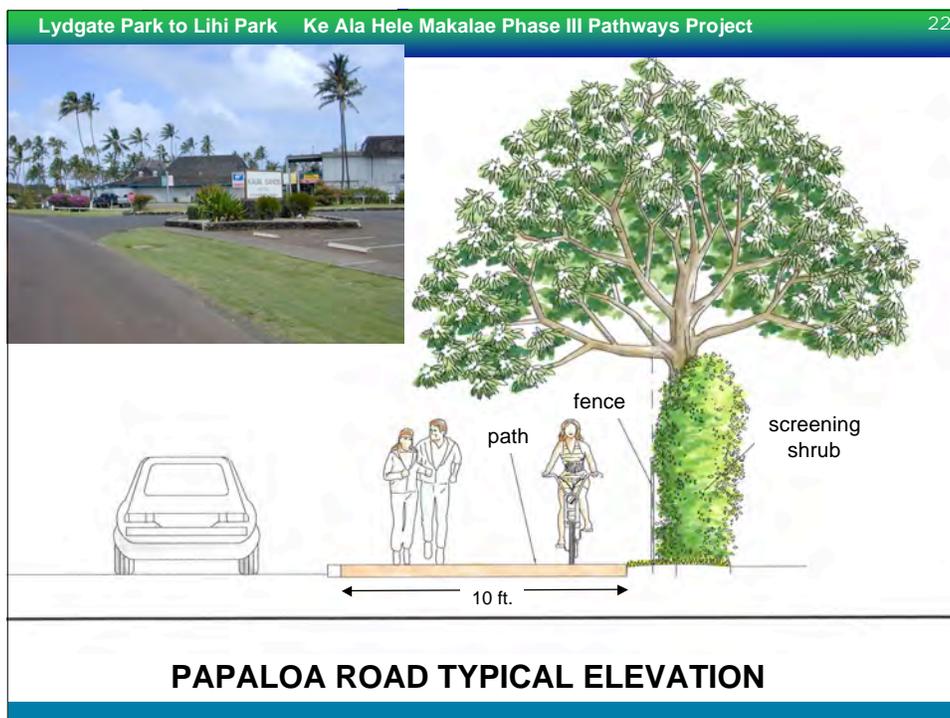
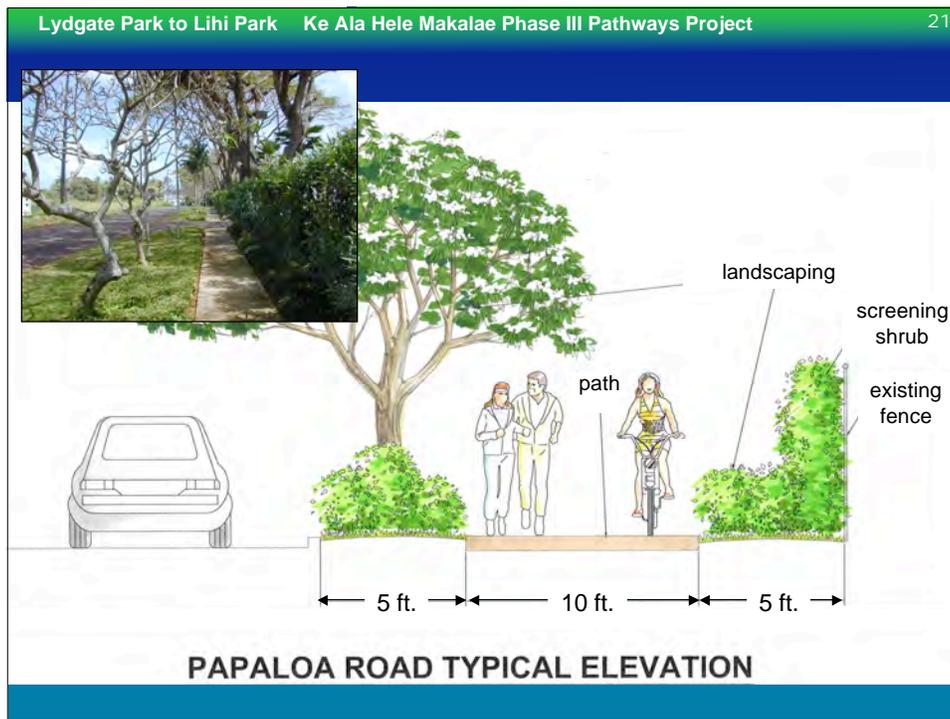
“I feel the pathway will have no negative environmental impact.”



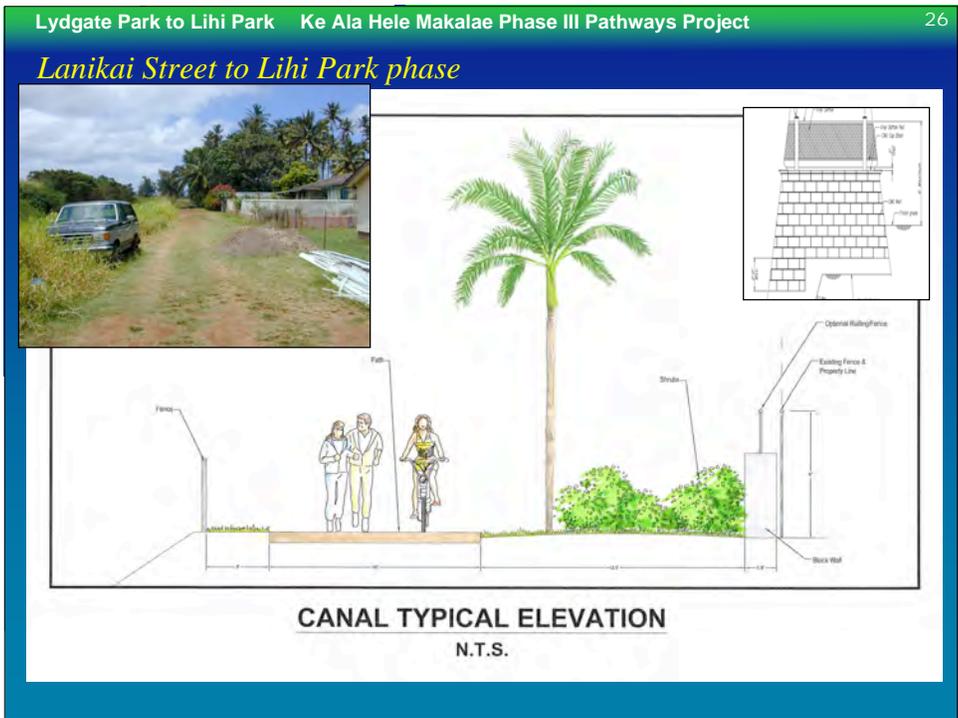














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*Ala Road to Moanakai Road, South portion*

To Lihi

Property Line

Kuhio

Highway

Kapaa Shores Resort Condo

Traffic Control Bollard

Construct (2) 10-ft. Wide Asphalt Concrete Roadway

New 10-ft. Wide Shared-Use Path

New 10-ft. Striped Shared-Use Path on New Asphalt Concrete Pavement. Provide 2-ft. Wide Detectable Warning Strip Between Path and Roadway.

**Lydgate Park to Lihi Park Ke Ala Hele Makalae Phase III Pathways Project** 30

*Ala Road to Moanakai Road, North portion*

Keeka Road

Widen Portion of Keeka Road to Provide Two (2) 10-ft. Wide Lanes at the Intersection.

New 10-ft. Striped Shared-Use Path on New Asphalt Concrete Pavement.

Construct (2) 10-ft. Wide Asphalt Concrete Roadway

Moanakai Road

Niulani Street (One-Way Traffic) Construct Roadway Improvements for Dedication to the County of Kauai.

Property Line

Property Line

Niulani Street

New 10-ft. Striped Shared-Use Path on New Asphalt Concrete Pavement.

KUIPIO HIGHWAY

North

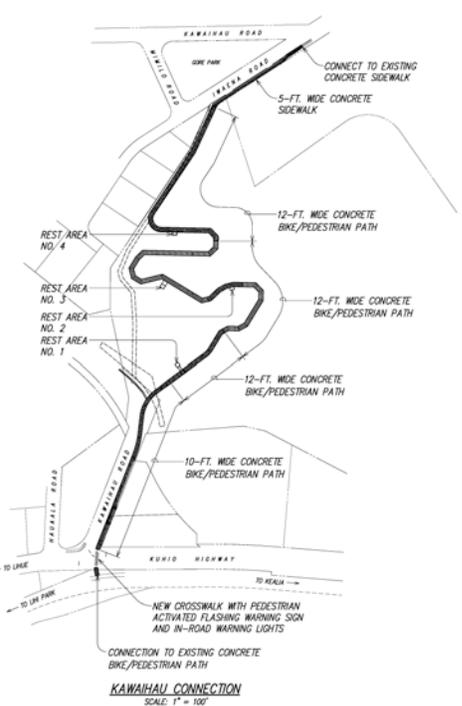
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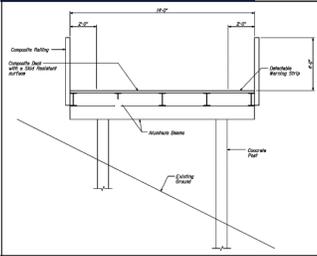
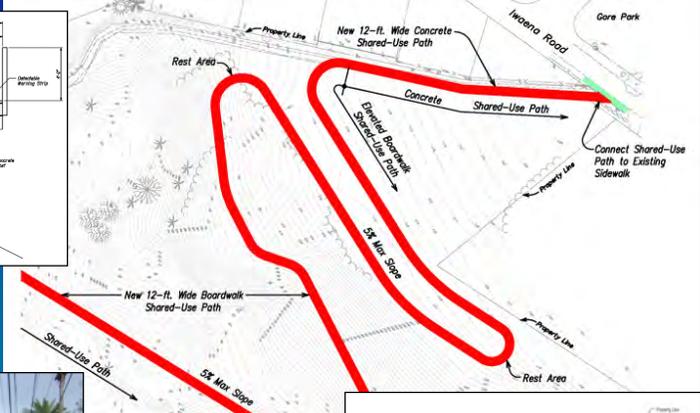


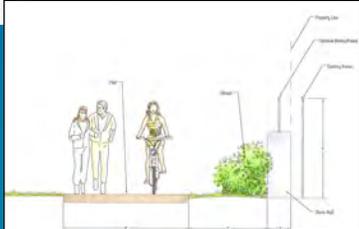
**Lydgate Park to Lihi Park Ke Ala Hele Makalae**  
*Kawaihau connection*

**KAWAIIHAU CONNECTION**  
 SCALE: 1" = 100'

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*Kawaihau Road area, mauka portion—boardwalk alternative*





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**your questions and comments**

this presentation will be posted at  
[www.Kauai.gov](http://www.Kauai.gov)

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