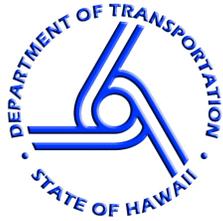


Kuhio Highway/Mailihuna Road Intersection Improvements and Kapaa Stream Bridge Project Public Meeting



U.S. Department
of Transportation
**Federal Highway
Administration**

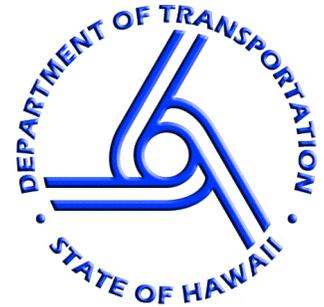


**Thursday, September 17, 2015,
6:30 PM – 7:30 PM
Kapaa High School Library**

Kuhio Hwy/Mailihuna Road Intersection Improvements and Kapaa Stream Bridge: Welcome and Introduction



Kuhio Highway/Mailihuna Road Intersection



Kapaa Stream Bridge



U.S. Department
of Transportation

**Federal Highway
Administration**

Kuhio Hwy/Mailihuna Road Intersection Improvements and Kapaa Stream Bridge: Meeting Goals

I. Provide an overview of the project:

- The purpose and need for the bridge
- The purpose and need for the intersection improvements at Kuhio Highway and Mailihuna Rd.
- The proposed design and construction schedule
- How we plan to manage traffic during construction

II. Obtain community feedback



Kuhio Hwy/Mailihuna Road Intersection Improvements and Kapaa Stream Bridge: Project Background

- Bridge built in 1953, 2-span reinforced concrete bridge
- 150' long x 38.5' wide
- Functionally obsolete, needs seismic upgrades, is scour critical
- Intersection delays (level of service F for Mailihuna Rd)
- 17 crashes between 2006 through 2010



Kuhio Hwy/Mailihuna Road Intersection Improvements and Kapaa Stream Bridge: Project Goals

- **Maintain a safe and functional stream crossing on Kuhio Highway for all users**
- **Improve traffic operations and safety of the Kuhio Highway and Mailihuna Road intersection**



Kapaa Stream Bridge: Alternatives Being Considered

- **Rehabilitation**
- **Replacement**
- **No Build**



Kapaa Stream Bridge: Proposed Project

Design with minimal changes

Bridge Structure

- Single span concrete bridge
- 190' long and deck width of 42.5'

Roadway section on the Bridge

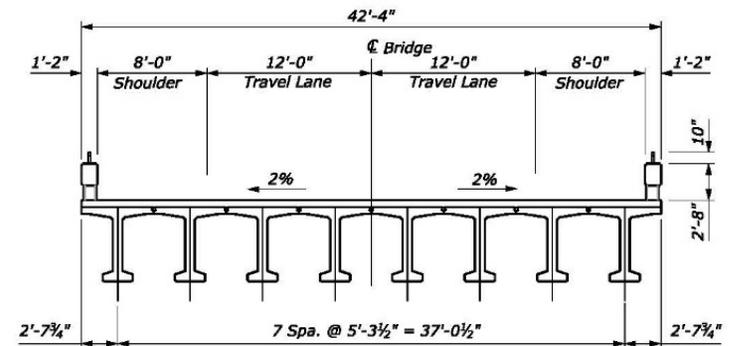
- Provide 2-12' lanes, 2-8' shoulders
- Meet 40 mph speed limit requirements

Hydraulics

- No change

Utilities

- Maintain electrical and telecommunication lines on bridge



PROPOSED BRIDGE TYPICAL SECTION

Kuhio Hwy/Mailihuna Road Intersection Improvements and Kapaa Stream Bridge: Bridge



After

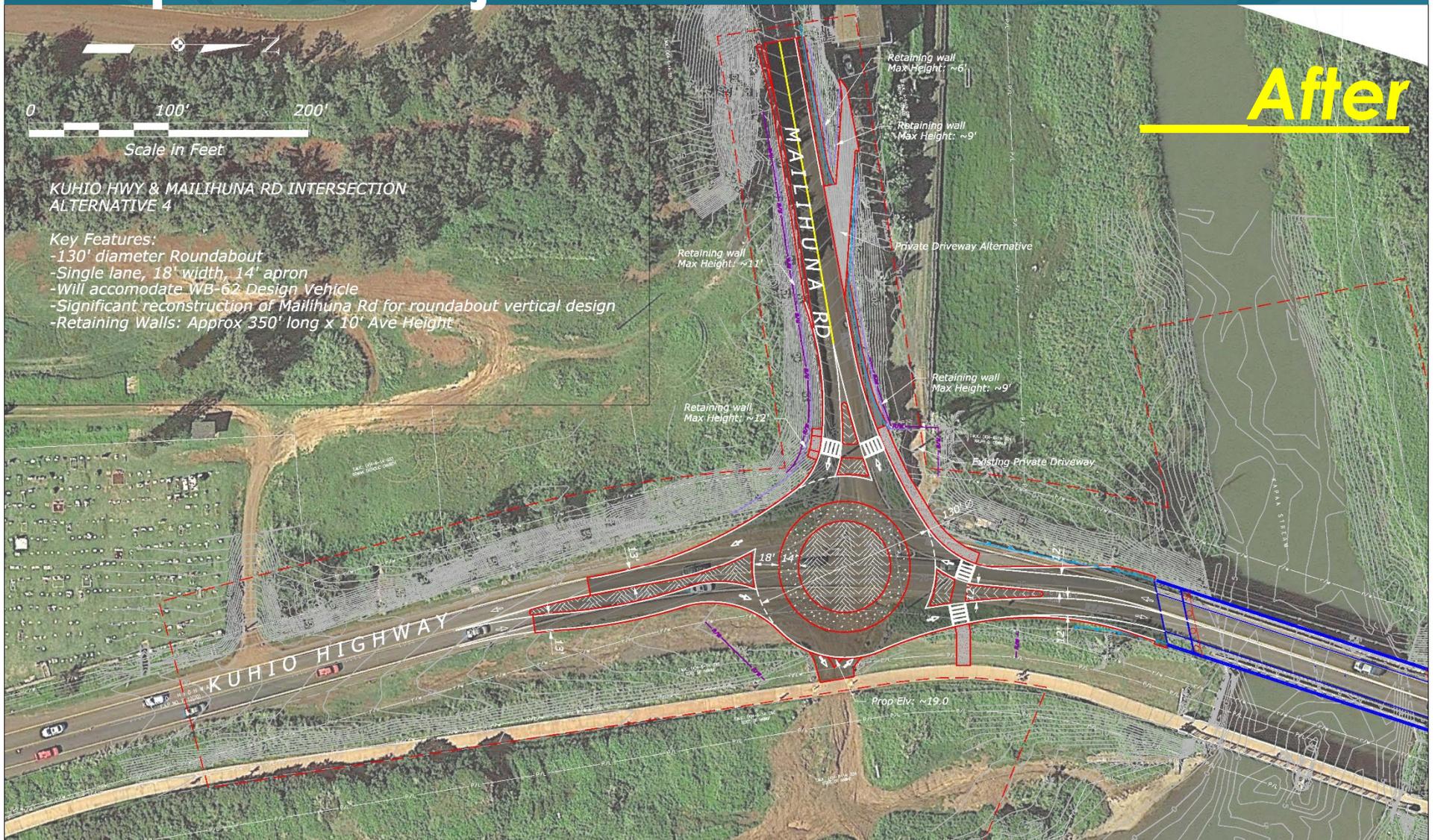
Before

Kuhio Hwy/Mailihuna Road Intersection Improvements and Kapaa Stream Bridge: Existing Intersection

Before



Kuhio Hwy/Mailihuna Road Intersection Improvements and Kapaa Stream Bridge: Proposed Project – Alternative 1



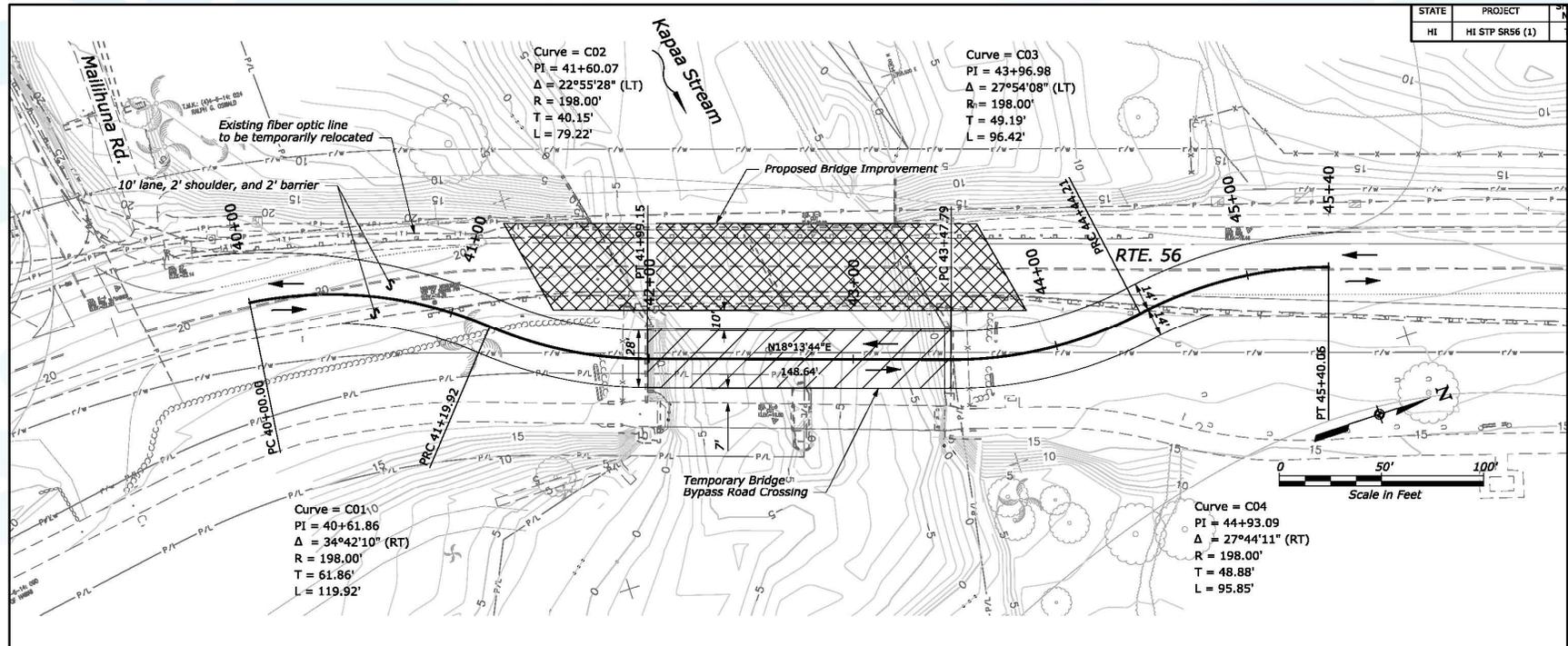
Kuhio Hwy/Mailihuna Road Intersection Improvements and Kapaa Stream Bridge: Proposed Project – Alternative 2



Kuhio Hwy/Mailihuna Road Intersection Improvements: Two Alternatives

	Single Lane Roundabout	Traffic and Pedestrian Signals
Geometrics	130' Diameter, 18' Lane, right in only	NB Left Turn and SB Right Turn Lanes
Operations (2036)	LOS A on Kuhio and LOS E on Mailihuna	LOS B overall
Env. Impacts	<ul style="list-style-type: none"> • Additional grading • Additional work beyond the existing right-of-way • Additional encroachment into the undeveloped coastal area 	Majority of the work will be within the existing highway right-of-way
Safety	Improved safety for all users	Improved safety for all users; protected crossing for pedestrians
Maintenance	Retaining walls, additional pavement, curbs, medians	Traffic signal maintenance
Construction	Larger impacts to the public	

Kuhio Hwy/Mailihuna Road Intersection Improvements and Kapaa Stream Bridge: Traffic Management



- Two-way detour on the Makai side of the bridge
- Bikes and pedestrians can continue to use the shared-use path
- Coordination with the County, Emergency responders, and schools
- Local access to Mailihuna Road will remain open

Kuhio Hwy/Mailihuna Road Intersection Improvements and Kapaa Stream Bridge: Project Schedule and Work Hours

- **Environmental Assessment:** Winter 2015
- **Design:** Spring 2016
- **Construction**
 - Anticipated Advertisement
 - *Winter 2016*
 - Duration:
 - *Approximately one (1) year*
 - Work Hours:
 - *Weekday, limited night work anticipated*

Kuhio Hwy/Mailihuna Road Intersection Improvements and Kapaa Stream Bridge: Contacts

- **Points of contact:**

- Mike Will, FHWA, 720-963-3647, Michael.will@dot.gov

- **Project Website:**

- <http://flh.fhwa.dot.gov/kapaa>

Please place your comment cards in the box

MAHALO for your participation!

Kuhio Hwy/Mailihuna Road Intersection Improvements and Kapaa Stream Bridge: Q/A Session

- **Questions?**
- **Concern?**
- **Feedback?**

