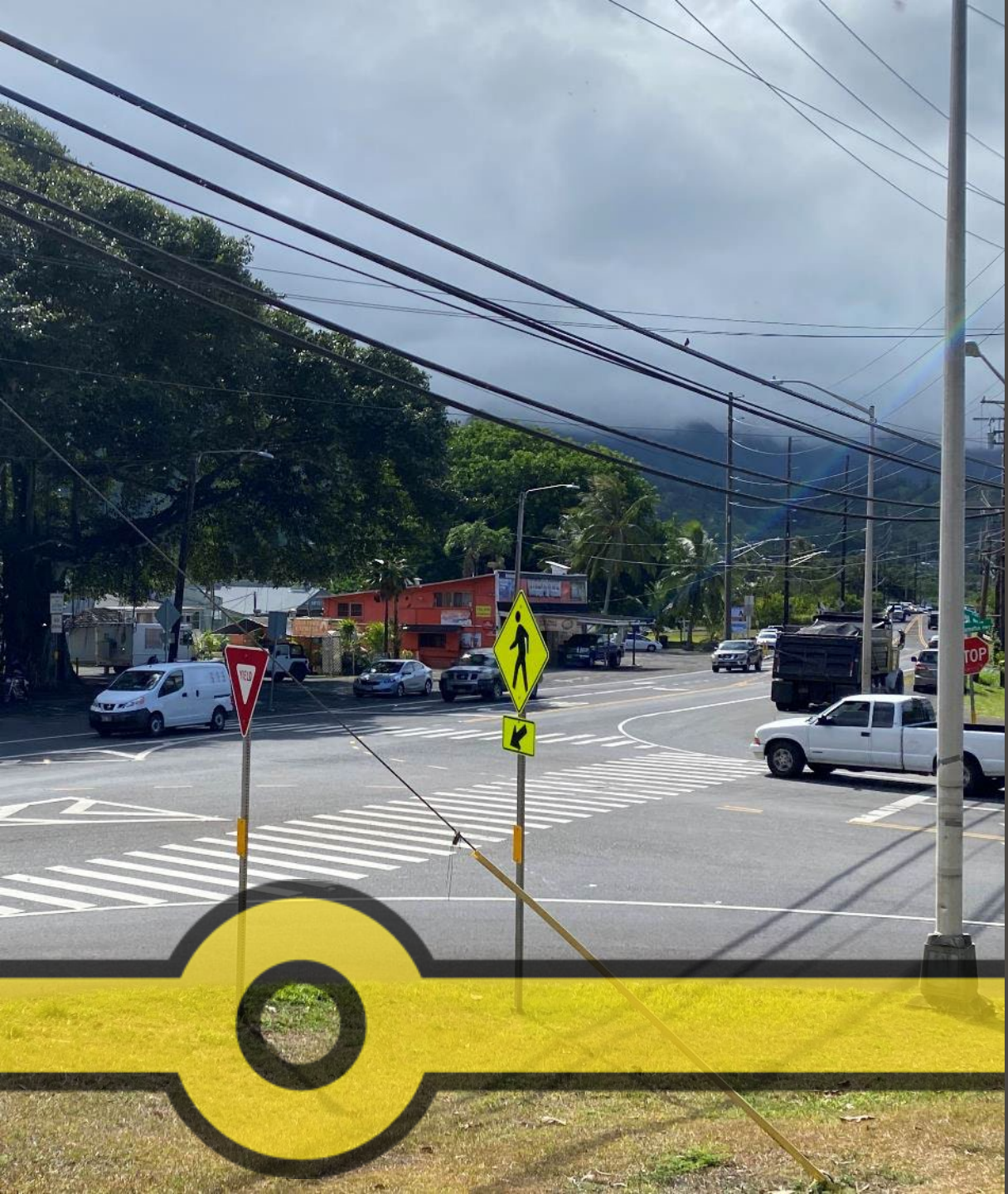
The background image shows a road intersection with a pedestrian crossing sign and a car. A large teal semi-transparent shape is overlaid on the right side of the image, containing the project title and project number. A yellow decorative graphic is at the bottom left.

KAMEHAMEHAMA HIGHWAY, INTERSECTION IMPROVEMENTS AT KAHEKILI HIGHWAY

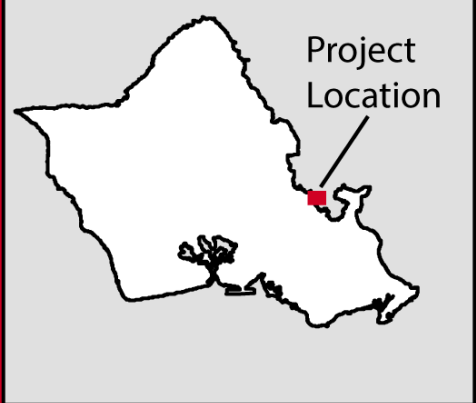
PROJECT NO. NH-083-1(082)

**State of Hawaii,
Department of Transportation
Highways Division**



TOPICS

- Project Location
- Purpose and Need
- Design
- Benefits
- Construction
- Schedule and Cost



PROJECT LOCATION

The project site consists of the intersection of Kamehameha Highway and Kahekili Highway in Kahaluu. Construction would occur within the current highway right-of-way.



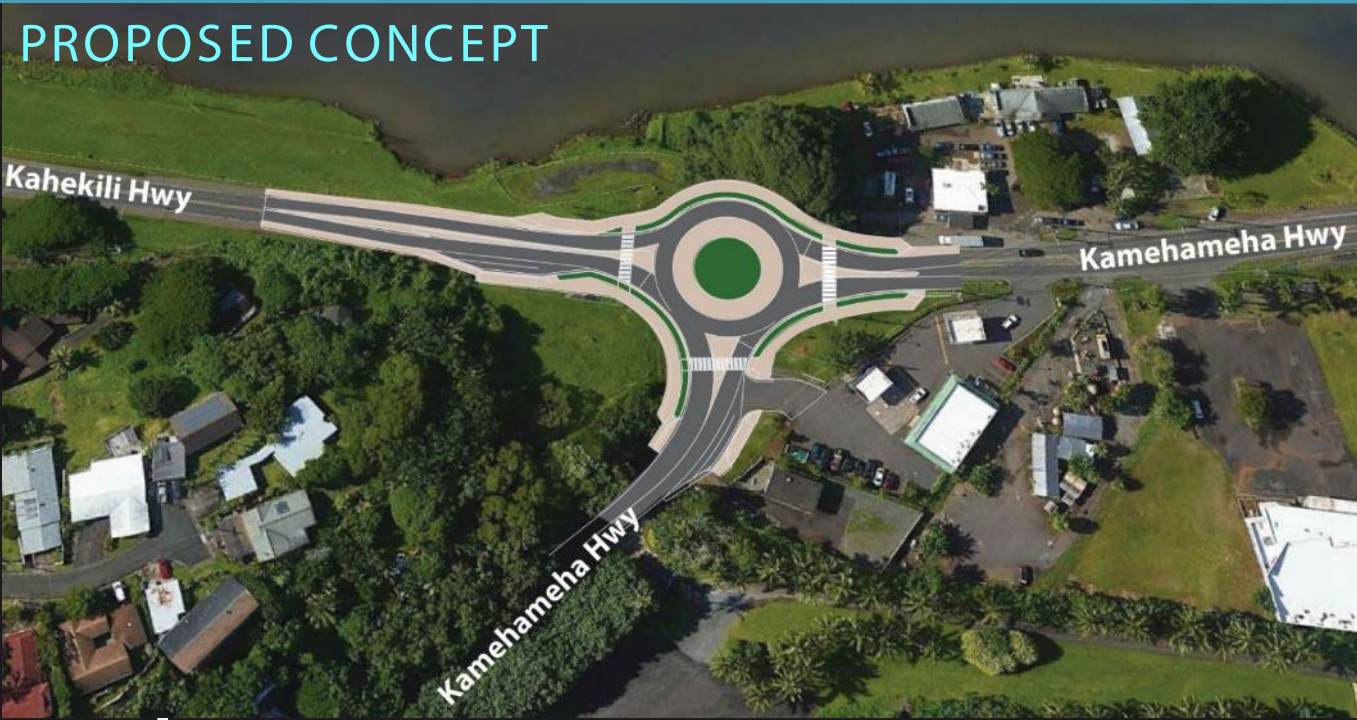
PURPOSE OF THE PROJECT

The project is being proposed to improve safety, reduce conflicts with left turns, and provide more efficient traffic operations at the intersection and along the highway.

THE CURRENT INTERSECTION



PROPOSED CONCEPT

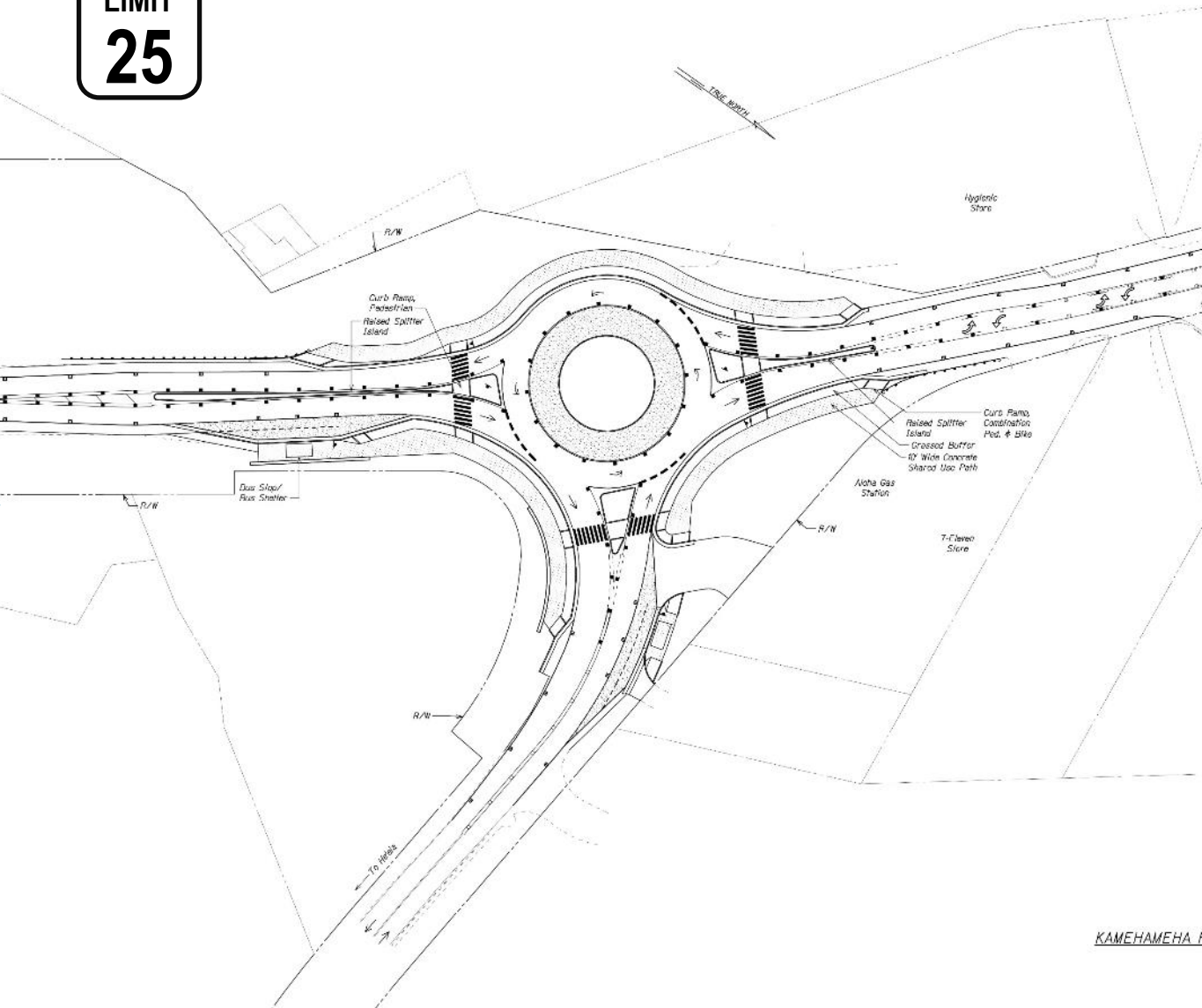


THE CONCEPT

This project proposes to reconfigure the intersection of Kamehameha Highway and Kahekili Highway from a T-intersection to a roundabout. The proposed project would include:

- Construction of a circular lane around a raised and landscaped center,
- Construction of low retaining walls, landscaping
- Bringing lighting up to current standards
- Relocation of utility poles
- Installation of new guard rails, and
- Roadway restriping.

SPEED
LIMIT
25



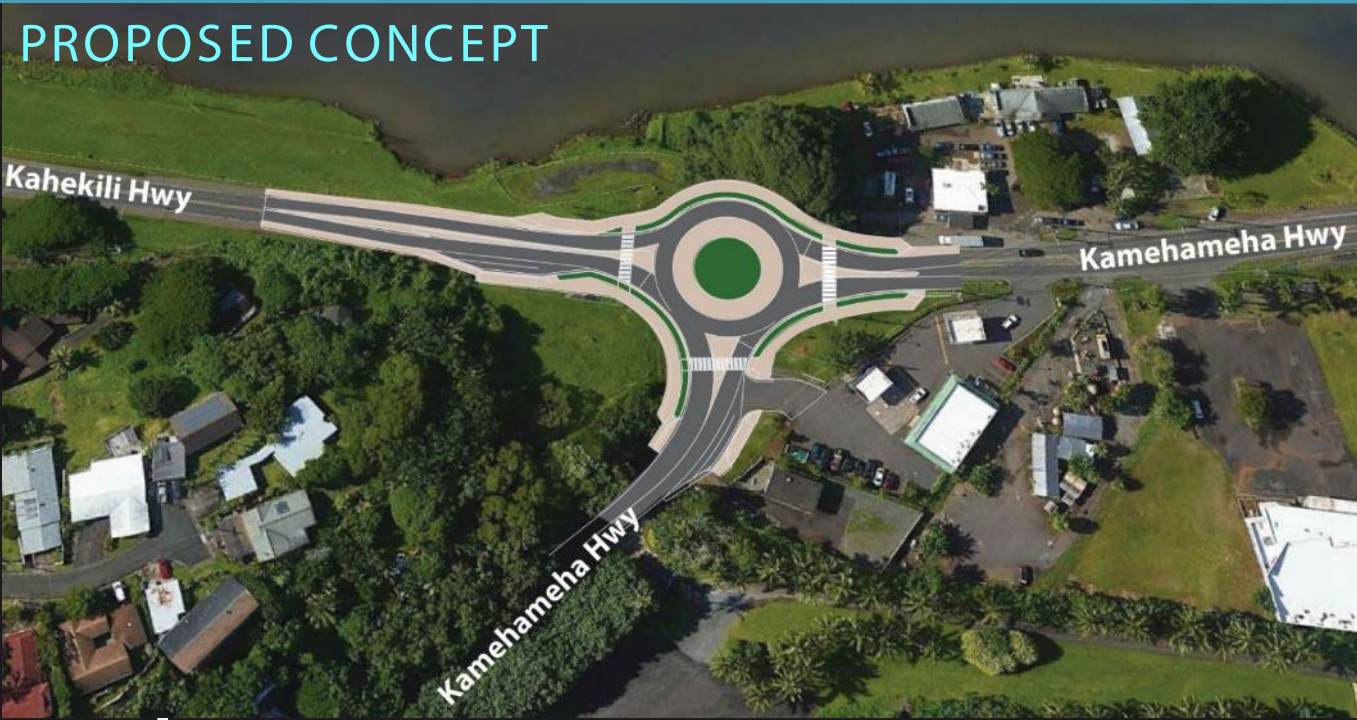
DESIGN ELEMENTS

- Speed limits will remain the same on approach but naturally slower through the roundabout
- Bus stops will be repositioned
- Additional signage & lighting
- Designated crosswalks
- ADA accessible
- Accommodates large vehicles
- Allows bicyclists options to traverse the intersection

THE CURRENT INTERSECTION



PROPOSED CONCEPT



BENEFITS OF A ROUNDABOUT

According to the Federal Highway Administration (FHWA), roundabouts may help with:

- **Traffic Safety** – reduced crossing operations and fewer conflict points
- **Operational Efficiency** – lower overall delay as compared to signalized and all-way stop intersections.
- **Pedestrian Safety** – A reduction in through traffic speeds may improve pedestrian safety. Pedestrians and cyclists can focus on one traffic stream at a time while crossing.

U.S. Department of Transportation, Federal Highway Administration, Technical Summary: Roundabouts, 2010. Accessed from: <https://rosap.ntl.bts.gov/view/dot/42603>, 7/23/2021.



BUS STOPS

Bus stops will be repositioned.

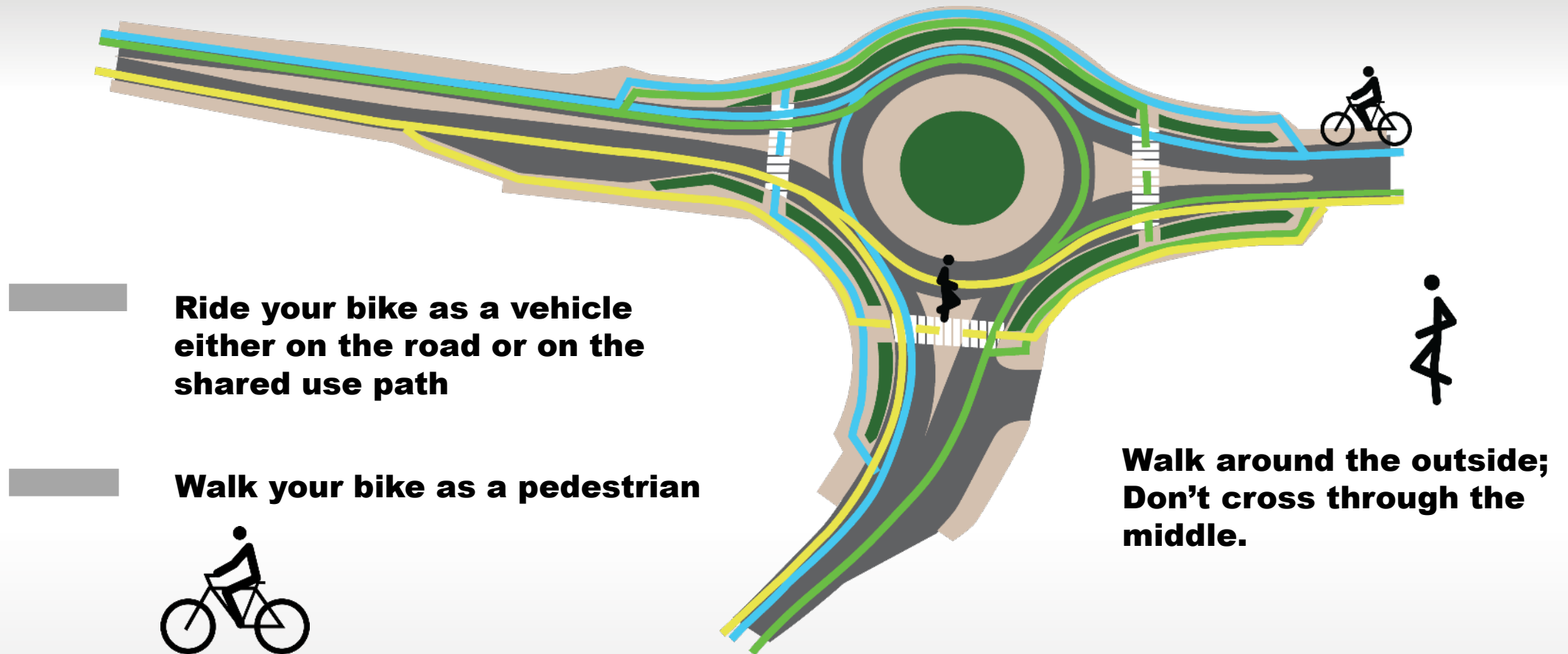


Existing Bus Stop



Proposed Bus Stop

TIPS FOR SAFELY WALKING AND BIKING THROUGH A ROUNDABOUT





CONSTRUCTION CONSIDERATIONS

- Traffic delays may occur during construction. Temporary traffic controls will be implemented in phases to maintain traffic flow throughout construction.
- There will be construction noise.
- No night work.
- Storm Water BMP measures will be implemented.
- Access to surrounding businesses will be maintained.
- Bus stops will be temporarily repositioned.



CONSTRUCTION COST AND SCHEDULE

- Both State and Federal funding will be utilized to complete the construction
- The project is anticipated to cost \$5.4 million
- The project will be advertised for construction in August 2022
- The anticipated start date for construction is February 2023, with completion of construction by July 2024.

QUESTION & ANSWERS

Design Consultant: WSP USA, Inc., Joe Salvador
State Project Manager: Andy Hirano,
andrew.j.hirano@hawaii.gov