

COMPLETE STREETS

February 25, 2019

Rowena M. Dagdag-Andaya
Deputy Director of Public Works
County of Maui

RECEIVED AT MT MEETING ON 2/25/19

Presentation Outline

- What are Complete Streets?
- Benefits of Complete Streets
- Background
- Implementation and next steps
- Project examples

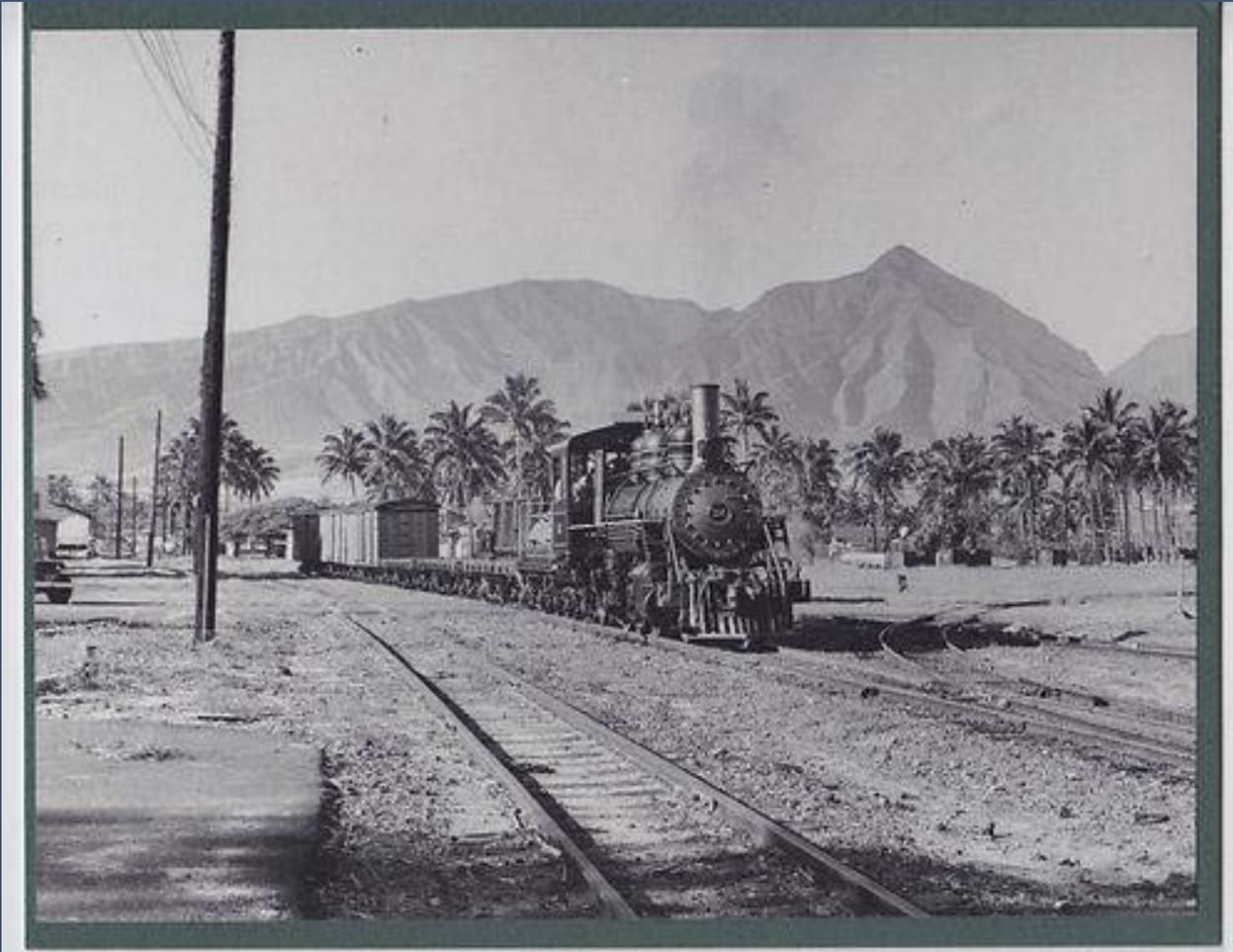
Early Maui Island Street Environment



Early Maui Island Street Environment



Early Maui Island Street Environment





Circa 1950



2016

Kaahumanu Avenue, Maui



WHAT ARE COMPLETE STREETS?

Complete streets are designed and operated to be safe and accessible for pedestrians, transit riders, bicyclists, and drivers; all users, regardless of age or ability.

WHAT ARE COMPLETE STREETS?

Complete streets is not a “one-size fits all” or cookie cutter approach. Rather, streets are designed for their environmental, cultural, and historic context.

COMPLETE STREETS:

"It's a process, not a product."

- Defines success
- Defines Design Features/Limitations
- Find opportunities for other modes of transportation
- Design in detail
- Phased approach

OPPORTUNITIES TO BUILD COMPLETE STREETS

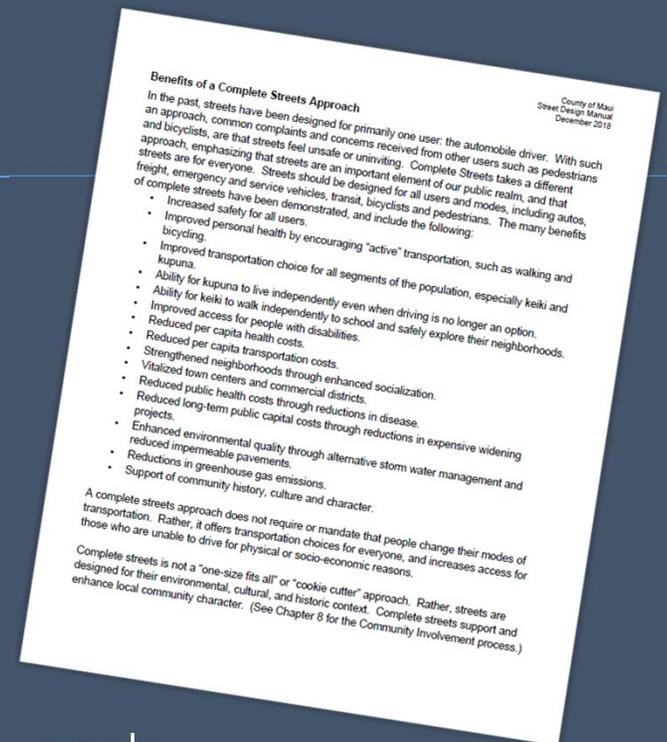
- Transportation projects, including resurfacing, reconstruction, safety improvements
- Utility projects that involve digging up a roadway
- Development projects that require mitigation for impacts to vehicular traffic or pedestrians or bicyclists.

PROJECT PLANNING

- Consider the context and consult
- Determine potential users
- Assess transportation facilities in the surrounding area
- Consider other factors
- Select appropriate Complete Street elements
- Consider costs, impacts, benefits
- Document decision and report

BENEFITS

- Increase safety
- Improved personal health
- Improved transportation choices
- Ability for kupuna to live independently
- Ability for keiki to walk independently
- Fosters sustainable growth
- Improved access for people with disabilities
- Reduced per capita health and transportation costs
- Strengthened neighborhoods through enhanced socialization



BACKGROUND

2009 Act 54
(Hawai'i Revised Statutes Section 264-20.5)

“adopt a complete streets policy that seeks to reasonably accommodate convenient access and mobility for all users of the public highways within their respective jurisdictions...including pedestrians, bicyclists, transit users, motorists, and persons of all ages and abilities...”

BACKGROUND

Countywide Policy Plan

- Make walking and bicycling transportation safe and easy between and within communities;
- Require development to be designed with the pedestrian in mind;
- Design new and retrofit existing rights-of-ways with adequate sidewalks, bicycle lanes, or separated multi-use transit corridors;
- Support the development of a countywide network of bikeways, equestrian trails, and pedestrian paths;
- Support the reestablishment of traditional trails between communities, to the ocean, and through the mountains for public use; and
- Encourage educational programs to increase safety for pedestrians and bicyclists

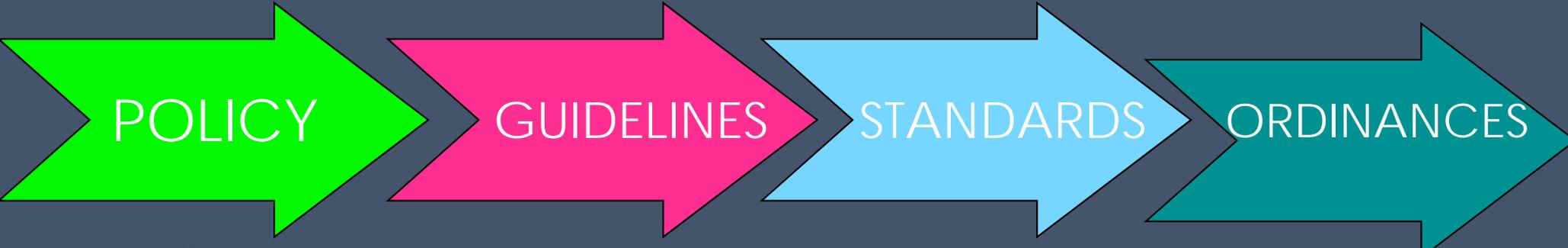
BACKGROUND

2012 Resolution 12-34

“incorporate Complete Streets into all relevant County actions, including budgeting, planning, and development services, unless prohibited by law.”

“Maui supports, as the policy of the County of Maui, the implementation of Complete Streets, consistent with Act 54 (2009) and the Countywide Policy Plan.”

IMPLEMENTATION PROCESS



POLICY

GUIDELINES

STANDARDS

ORDINANCES

- Performance Measures
- Professional Development and Training
- Project Planning and Development
- Funding

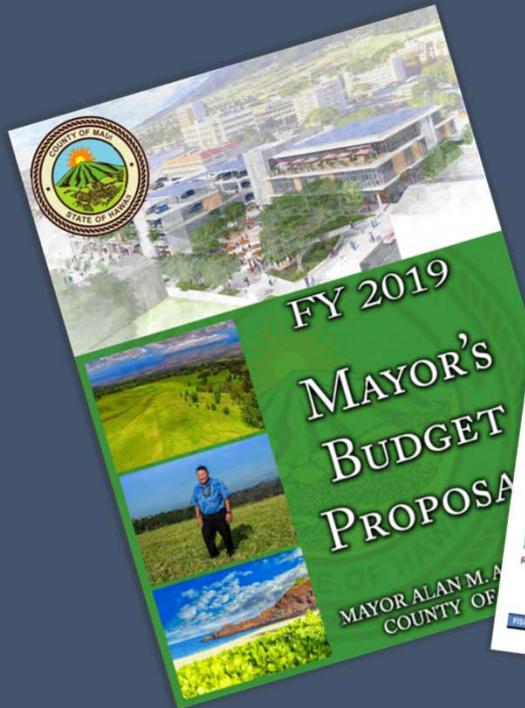
COMPLETE STREETS ON MAUI

VISION

The County of Maui envisions a safe transportation system that is sensitive to community identity and accommodates efficient access and mobility for all users including pedestrians, bicyclists, transit users, motorists, and persons of all ages and ability.

We envision a county where residents and visitors have access to a variety of transportation options and be able to live in safe and healthy communities.

COUNTYWIDE OUTCOMES



**COUNTY OF MAUI
Strategic Vision**

Introduction

An Efficient, Effective and Responsive Government

To have an efficient and effective government is paramount in this day and age when the county is challenged to provide more services with limited revenues. By assessing and streamlining operations and programs and policies to ensure effectiveness and efficiency in addition, action has been taken to ensure that local government is responsive to its citizens. The county works diligently to assure that it is open and accessible, and addresses the public's concerns in a timely manner.

Related Department/Program Goals:

- Using appropriate accounting procedures, prepare timely, reliable, accurate and user friendly financial reports/documents employing best-recognized accounting principles and standards.
- Effectively manage, control and decrease county's total cost of risk.
- Continuously review, revise and develop as needed all rules, regulations, standard operating procedures and standard operating guidelines.
- Improve operational effectiveness for each department, agency, board and commission through strategic management as assigned by the Mayor.
- Decrease county facilities energy usage by leading by example with integrated "Reduce Before You Produce" approach.

A Strong, Diversified Economy

The county continues to see itself as a leader in stimulating the economy. New and exciting ventures have been embarked upon. The challenge now is how to be creative and resourceful by going beyond our shores to find other economic drivers. While continuing to support existing industries, the county strives to be innovative, by being a part of the global community, bringing new ideas, new energies and new opportunities to Maui Kul.

Related Department/Program Goals:

- Foster job creation within Maui County with new and expanding businesses.
- Enhance Maui's international relations through utilization of Sister City relationships, visitor industry outreach, and business promotion through international opportunities.
- Expand film, television and new media production.

FISCAL YEAR 2019
MAYOR'S PROPOSED BUDGET
27

**COUNTY OF MAUI
Strategic Vision**

Introduction

Sustainable Public Infrastructure

Public infrastructure is often overlooked or unappreciated until it is deficient or needs repair. Infrastructure owned and/or managed by the county for public use must meet the community's current and future needs. That systems such as water, sewer and drainage and other facilities must be developed and maintained on a regular basis. Despite the challenges, maintaining suitable public infrastructure is essential to our communities and the county is dedicated to making it a priority.

Related Department/Program Goals:

- Economically produce the highest quality potable water that meets or exceeds all state and federal water quality standards in sufficient quantity to meet the needs of the customers.
- Operate and maintain the collection, transmission, and processing infrastructure in an efficient manner to ensure that our customers receive the maximum useful life from their facility investment.
- Ensure facilities meet future needs.

A Prepared, Safe and Livable County

The county has committed to and made it a priority to be a "prepared, safe and livable county." The hardworking leadership and employees in many areas of the county, including public works, police, fire and emergency management continue to uphold the commitment on a daily basis and in crisis. Whether it is handling a natural disaster, creating policies and plans for the future, or providing proper guidance and information to the public, this government will do what it takes to ensure safety and livability.

Related Department/Program Goals:

- Enhance the county's response capacity and capabilities for All-Hazards.
- Reduce crime and increase public safety with prevention methods.
- Reduce the threat of fire injury and property loss by conducting fire inspections at intervals consistent with applicable laws and department policies.
- Maintain and enhance safety in county beach parks and Maui County coastal waters.

FISCAL YEAR 2019
MAYOR'S PROPOSED BUDGET

**COUNTY OF MAUI
Strategic Vision**

Introduction

A Healthy and Sustainable Community

As Mayor Arakawa has stated, "the simple truth is we can't afford not to invest in our future." To this end, he has set in motion numerous initiatives including agricultural and environmental protection measures, recycling and waste-to-energy projects, and award-winning health and wellness programs for county employees.

Related Department/Program Goals:

- Provide public health, safety and environmental protection of Maui County's air, land and water through management practices, resources and dedicated team.
- Initiate implementation of the Maui Island Plan and the community plans.
- Encourage, develop and support the next generation of farmers.
- Protect the safety of the public and the environment through the collection, processing, and disposal of abandoned vehicles, white goods, scrap metal, and related materials throughout the county.

FISCAL YEAR 2019
MAYOR'S PROPOSED BUDGET
29

COUNTYWIDE OUTCOMES

The Department of Public Works supports the following countywide outcome(s):

- An Efficient, Effective and Responsive Government
- A Strong Diversified Economy
- Suitable Public Infrastructure
- A Prepared, Safe and Livable County
- A Healthy and Sustainable Community

KEYS TO SUCCESS

- Strong Land Use Policies
- Funding
- Strong Transit System
- Phased Approach
- Community Acceptance

CHALLENGES



- Retrofitting old infrastructure takes time and money
- Conflicting priorities
- Paradigm shift for an auto-centric society
- Outdated Design Standards
- Support for staff

CRUCIAL STEPS

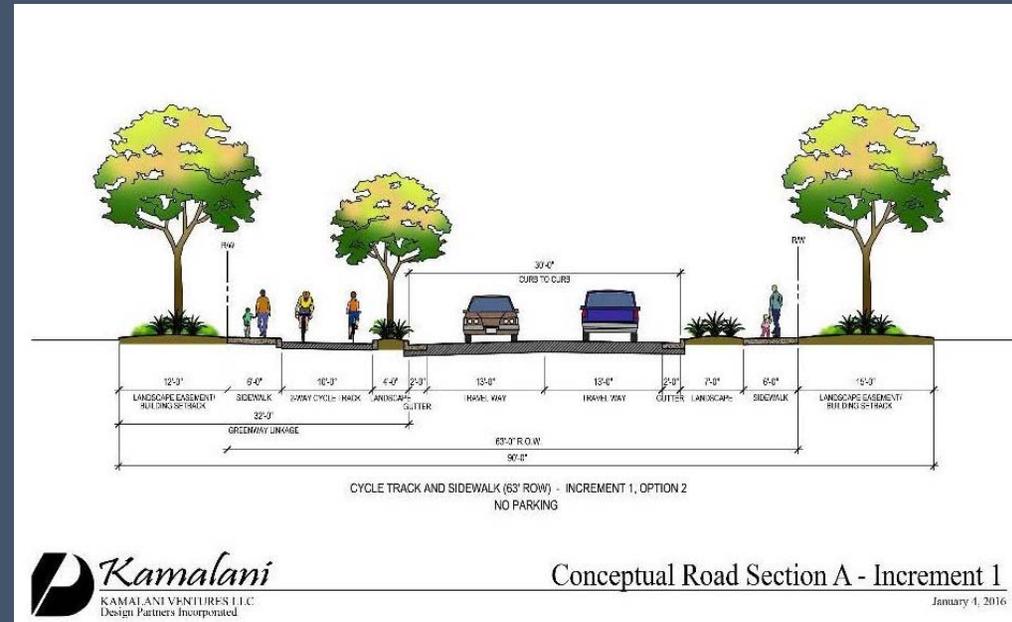
- Share the vision
- Create Partnerships
- Build Capacity
- Improve the Process
- Change the culture
- Implement goals, objectives, and policies



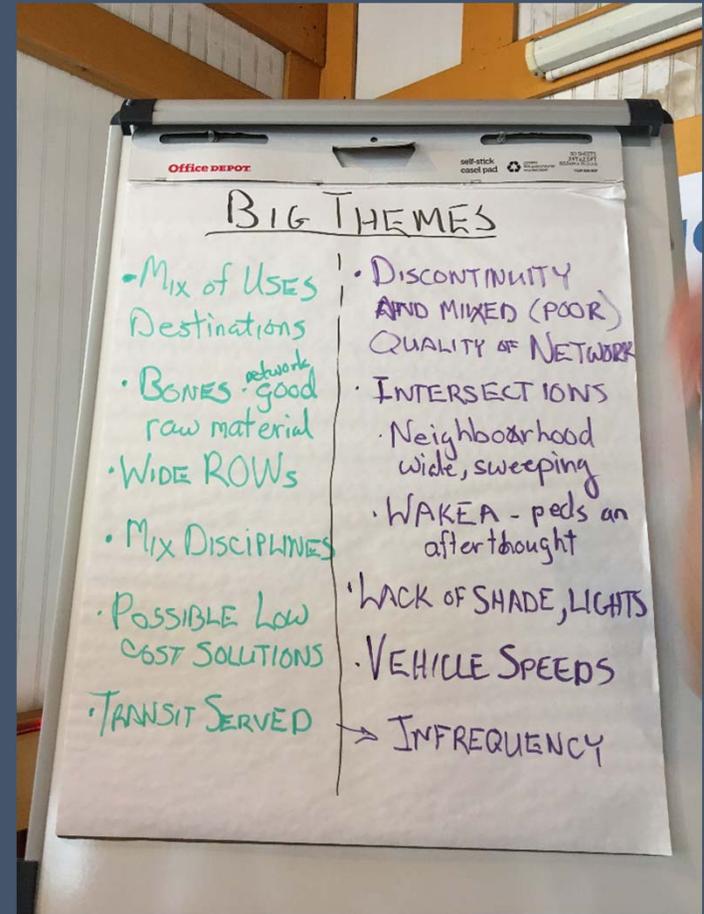




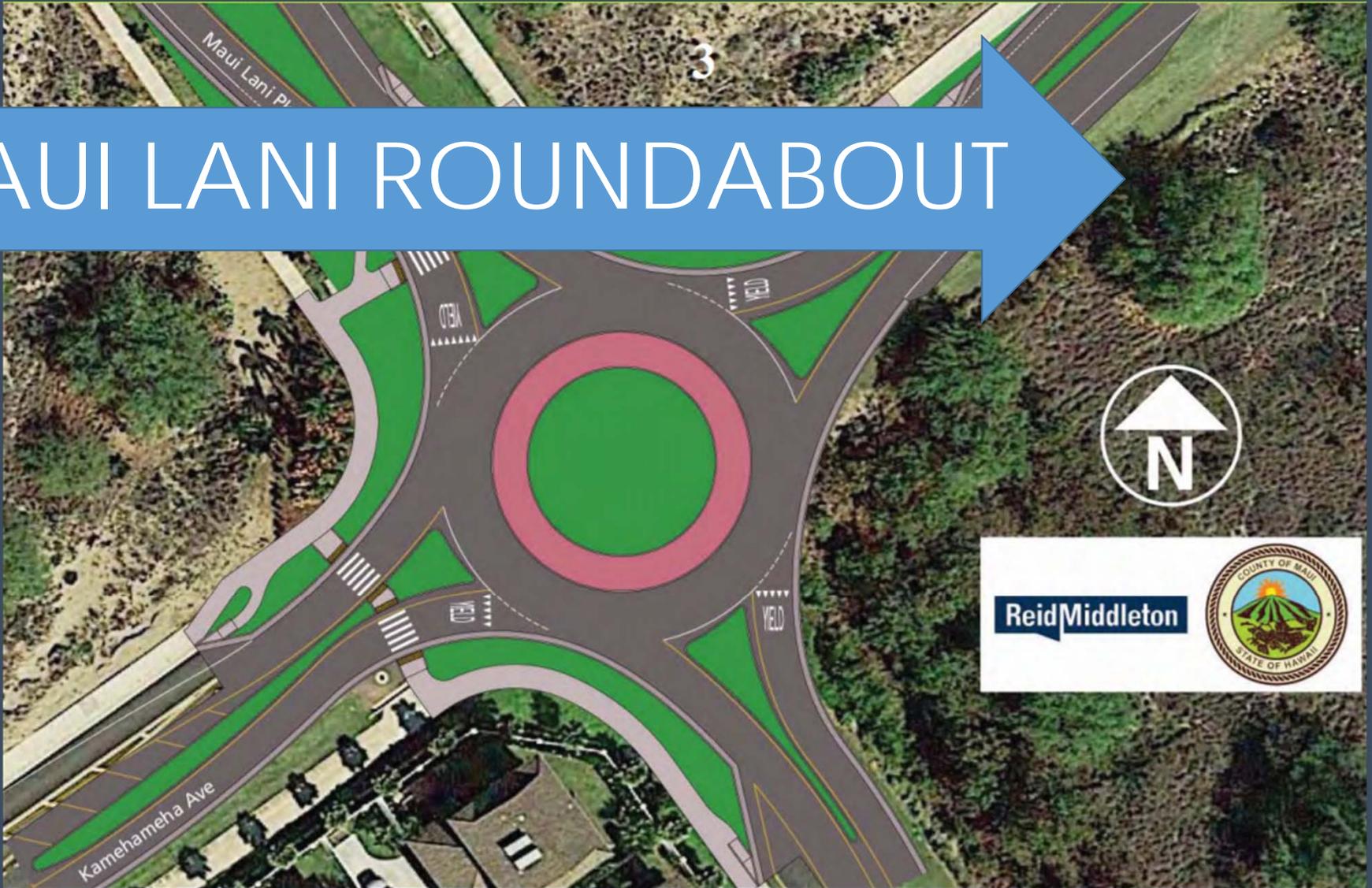
KAMALANI COMMUNITY IN KIHEI







MAUI LANI ROUNDABOUT

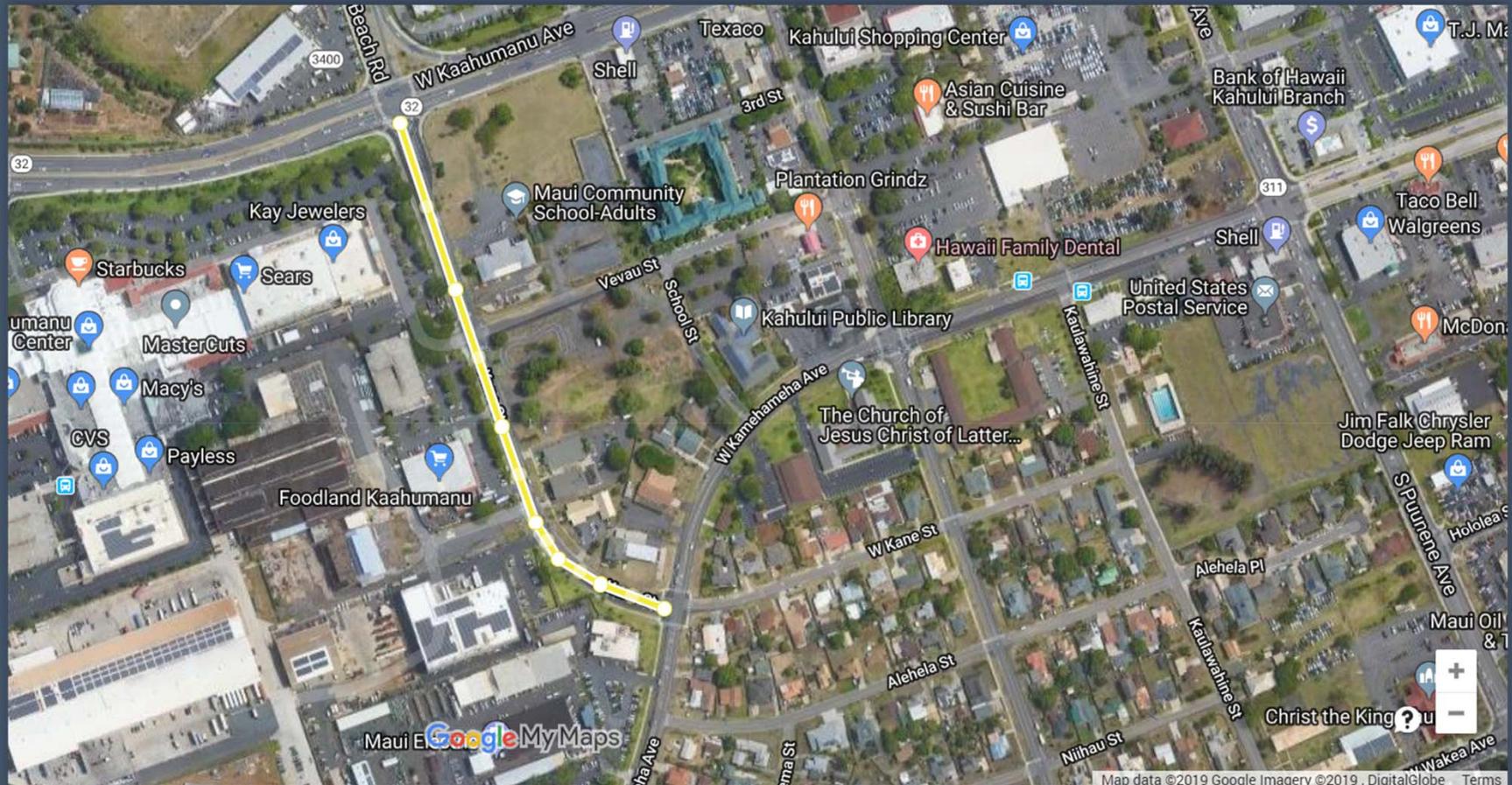




Roundabout Proposed at Maui Lani Parkway

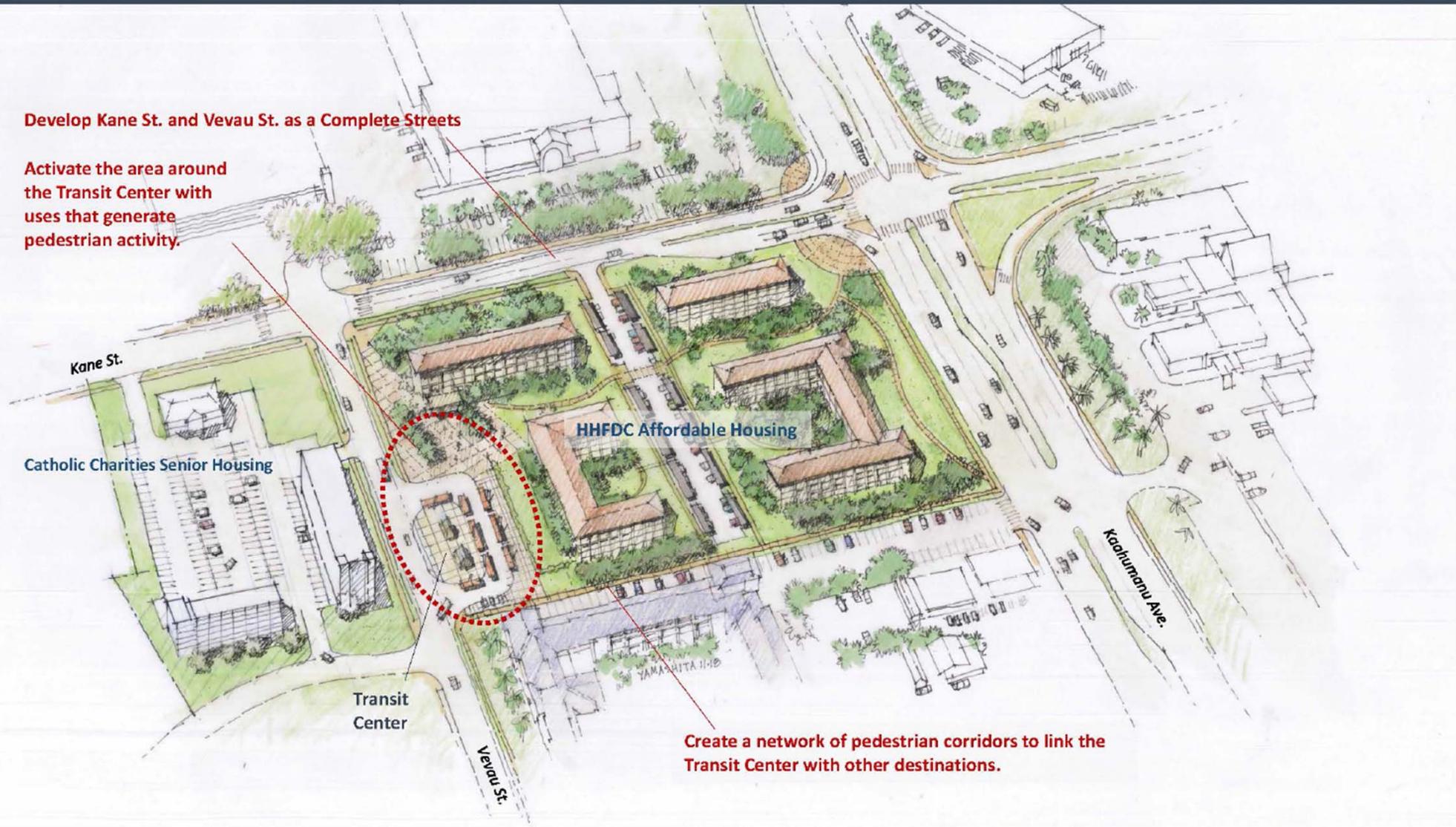


KANE STREET COMPLETE STREETS MAKEOVER



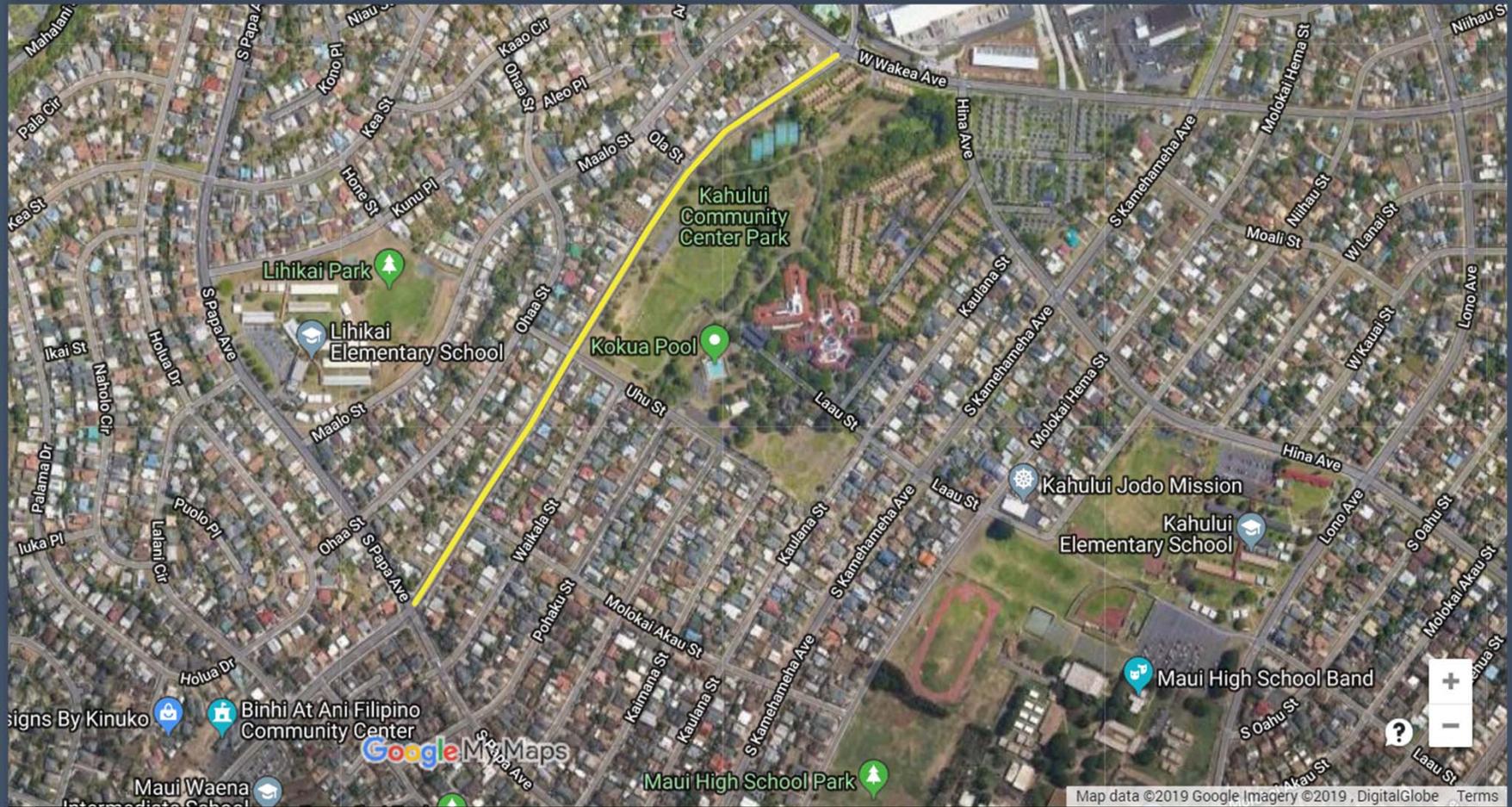
Develop Kane St. and Vevau St. as a Complete Streets

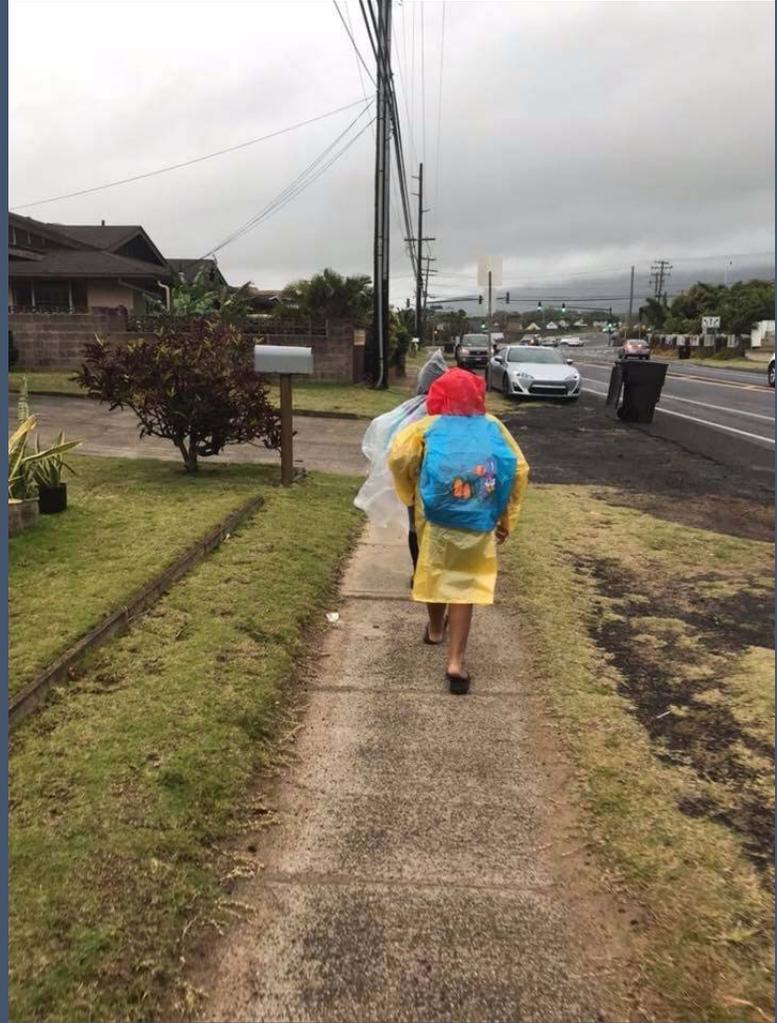
Activate the area around the Transit Center with uses that generate pedestrian activity.



Create a network of pedestrian corridors to link the Transit Center with other destinations.

ONEHEE STREET RECONSTRUCTION







Kahului 2070

CREATING A 21ST CENTURY COMMUNITY IN THE CENTER OF MAUI



SECOND PHOTO: Oliver Caberto (left) and Public Works Deputy Director Rowena Dagdag-Andaya lead the way along High Street. Dagdag-Andaya said that the narrow sidewalk along High Street and turn on to Wells Street were among the more challenging areas on the tour. "We're getting a feel for what it is like to go around town in a scooter, to see what we can change," Dagdag-Andaya said while navigating the North Market Street sidewalk near Iao Theater.

Article Photos



The Maui News / MATTHEW THAYER photo





Mahalo