



Honolulu Rail Station Access and Complete Streets Programs

Presentation to HBL
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Rail Project Stations



Rail Station Access Program

- Focus:
 - Station Access
 - TOD opportunities
- Priorities:
 1. Walking
 2. Bicycling
 3. Bus transit / Paratransit
 4. Auto/taxi drop-off/pick-up
 5. Park-and-Ride



Rail Station Area Walk Audits



- Five walking audits held Nov 2013 to March 2014
- Total of 20 out of 21 station areas examined
- 20-30 participants at each event (5 events total)
- Multiple agencies and stakeholders represented
- Prior to tour: Overview of Station Area with supporting materials and discussion

Rail Station Area Walk Audits

Participants were asked:

- Is the area walkable and bikeable?
- Does walking feel safe, comfortable and is it convenient?
- Does taking transit here seem easy?
- Is the area well-lit and would it feel safe at night?



Supporting Materials/Discussion



Existing Conditions



Vision for Station Area



Future Potential TOD



Future Land Use

Bus Access to Rail Stations



Summary of Comments (500+)

- Rail will present great opportunities for TOD and changing how people travel, but also many challenges
- Level of access to stations varies widely
 - some stations inaccessible without additional infrastructure
- Need more space for pedestrians near station entrances
 - some missing sidewalks and crosswalks
 - where present, need wider sidewalks and crosswalks
- Bicycle infrastructure lacking
 - need bike lanes or paths leading to stations
 - need room near stations for bike share and secure storage
- Some station locations are not intuitive; wayfinding will be important for visitors
- Will require coordination with HDOT at many stations

Summary of Recommendations

- More than 60 individual recommended improvements
- Primarily to ensure multimodal access to rail stations
- Includes new bus stops, Handi-Van loading zones, passenger loading zones, crosswalks, bike paths/lanes
- Some are focused on enhancing TOD opportunities
- Vary from small (wider crosswalks) to large (promenade along Kapalama Canal)

Sample Recommended Improvement

- Improve Hikimoe Street to more access for bus-rail connections at Waipahu TC station



Sample Recommended Improvement



- Convert Kekaulike Street into "woonerf", or shared street, from King Street to Chinatown Station entrance

Bikeshare Hawaii

- RFP going out in May/June
- Set to open in 2016
- Up to 2000 bikes and 200 stations at launch

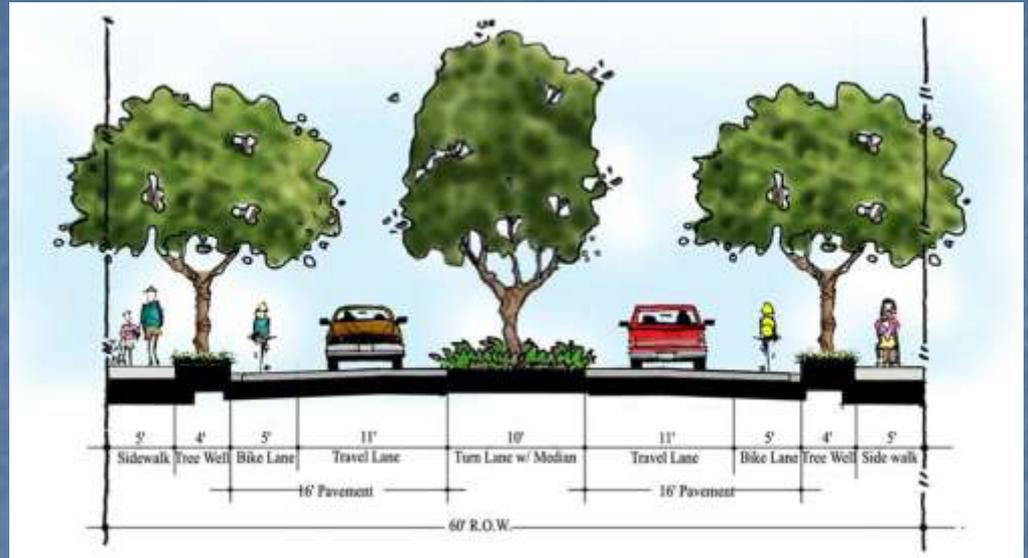


Secure Bicycle Storage



- Using FTA funds to install secure bike storage at transit centers and future rail stations
- Incorporating advance security and access features
- Access card to be integrated with new electronic fare collection system

Honolulu Complete Streets Program



- ROH 12-15 Requires the City to: “Employ a multi-modal approach and incorporate complete streets features in the planning, design, construction, maintenance and operation of transportation facilities and projects...”



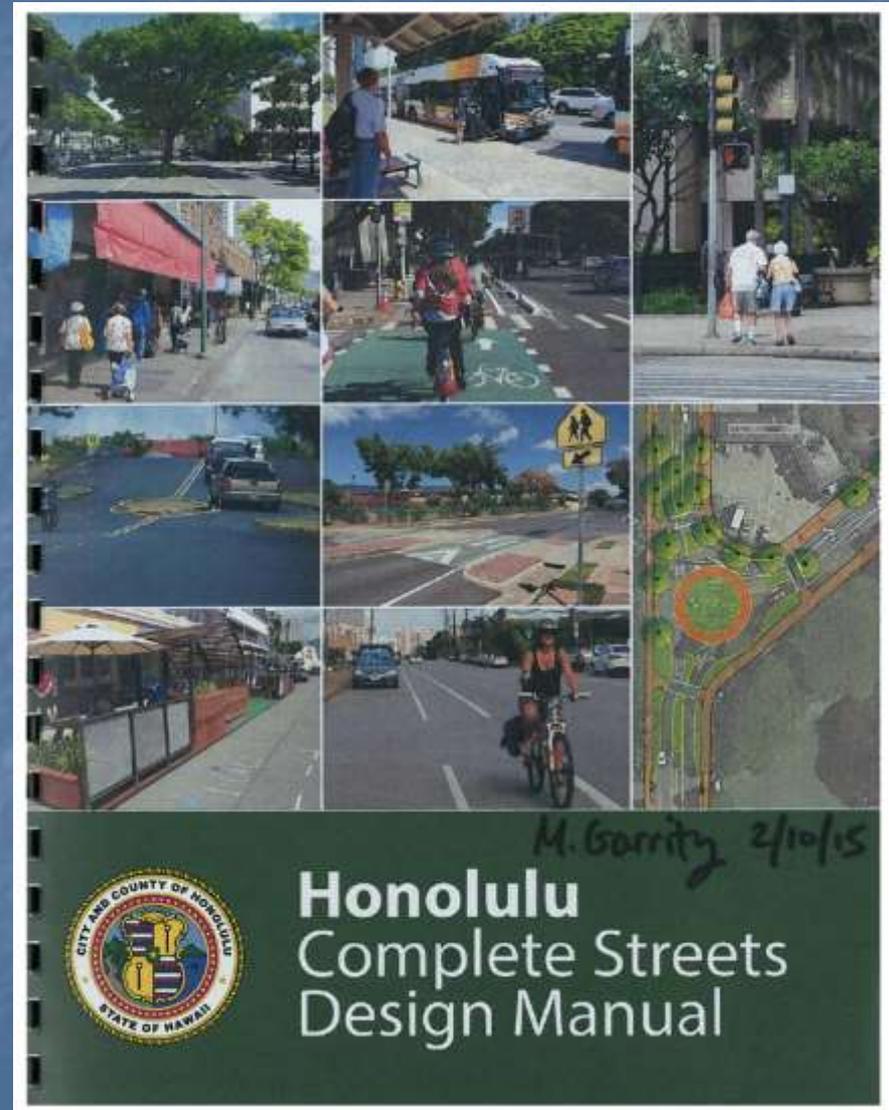
Goals of Complete Streets Program

- Improve Safety
- Context sensitive solutions
- Accessibility and mobility for all
- Balance the needs and comfort of all modes and users
- Use national best practices
- Provide non-motorized options
- Encourage physical activity
- Think: “long-term investment”
- Build partnerships statewide
- Incorporate trees and landscaping



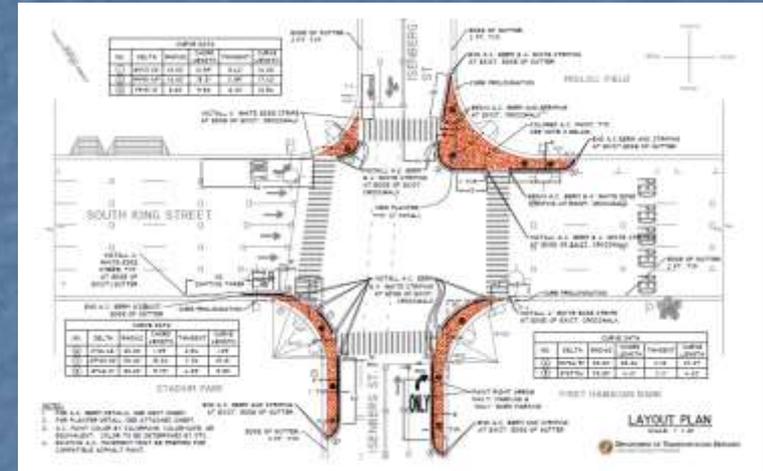
Complete Streets Design Manual

- Updates designs for many standard details
- Consistent with national best practices
- Based on input from many stakeholders
- Will replace outdated, auto-centric standards

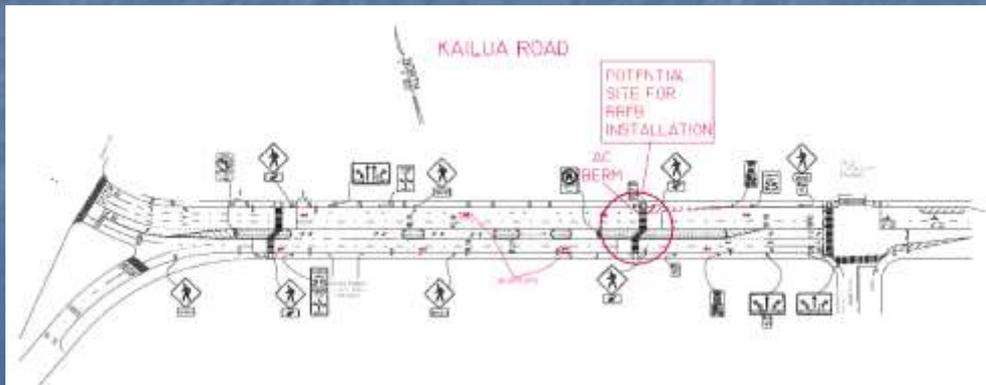


Demonstration Projects

- Low-cost, simple materials
- Improve safety and provide opportunities for walking, bicycling
- Work with private partners where possible



Moiliili



Kailua



Aiea

Ulune Street Demonstration Project

- Installed in 2014
- Striping used to “narrow” street
- “Stop for Pedestrians” signage
- First new use of back-in angle parking on Oahu
- Site visits show the project performing as planned (traffic calming)

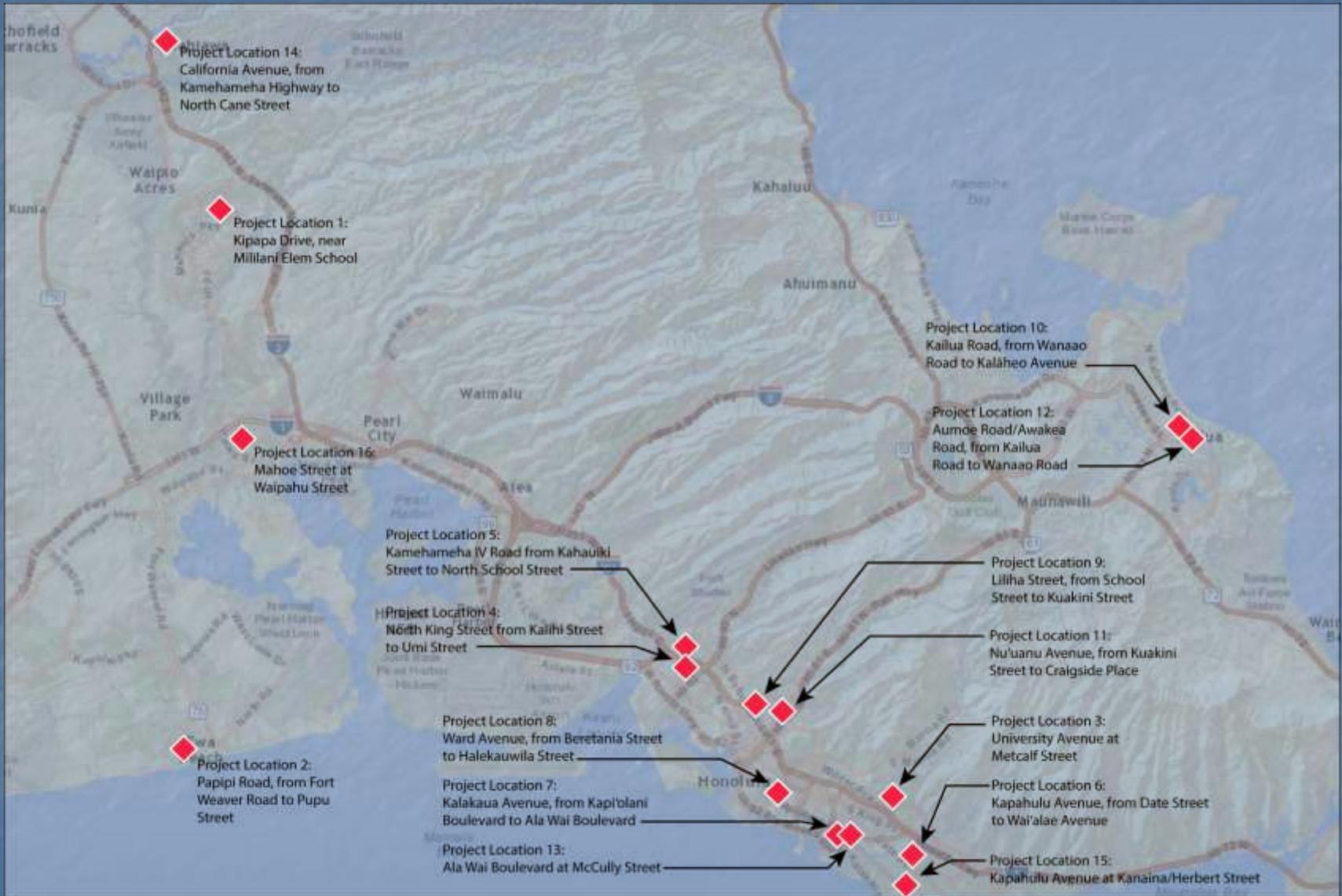


Before

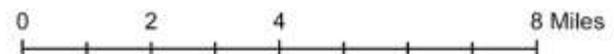


After

Implementation Study Projects



Complete Streets Project Locations, Island of Oahu
Complete Streets Implementation Study



16 Implementation Study Sites

- Sites selected using objective criteria:
History of accidents, near schools, parks, transit, high elderly population, etc
- Consultant Scope of Work:
 - Conduct walk audits with City staff, community members and elected representatives
 - Analyze existing conditions and issues
 - Prepare conceptual design based on Complete Streets principles

16 Implementation Study Sites

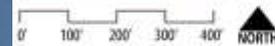
- Kamehameha IV Road
- North King Street
- University at Metcalf
- Papipi Road
- Kipapa Drive
- Aumoe/Awakea Roads
- Kailua Road
- Kalakaua Avenue
- Ward Avenue
- Liliha Street
- Nuuanu Avenue
- Kapahulu Avenue (Kaimuki to Date)
- Kapahulu Avenue (Kanaina to Herbert)
- California Avenue
- Mahoe/Waipahu Streets
- McCully Street

Site Visits/Walk Audits



Analysis

- Existing conditions:
 - Traffic Volumes
 - Land Use
 - Transit Stops
 - Bike lanes
 - Parks, schools, etc
- Need for project
- Research on potential treatments



Source: City and County of Honolulu, Department of Planning & Permitting, Honolulu Land; *www.walkscore.com



McCully St from Ala Wai Blvd to Kapiolani Blvd

Bicycle Facilities



Transit Facilities



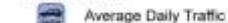
Walk Scores



Traffic Accidents



Traffic Counts



Street Trees



Existing Land Use



Pedestrian Facilities



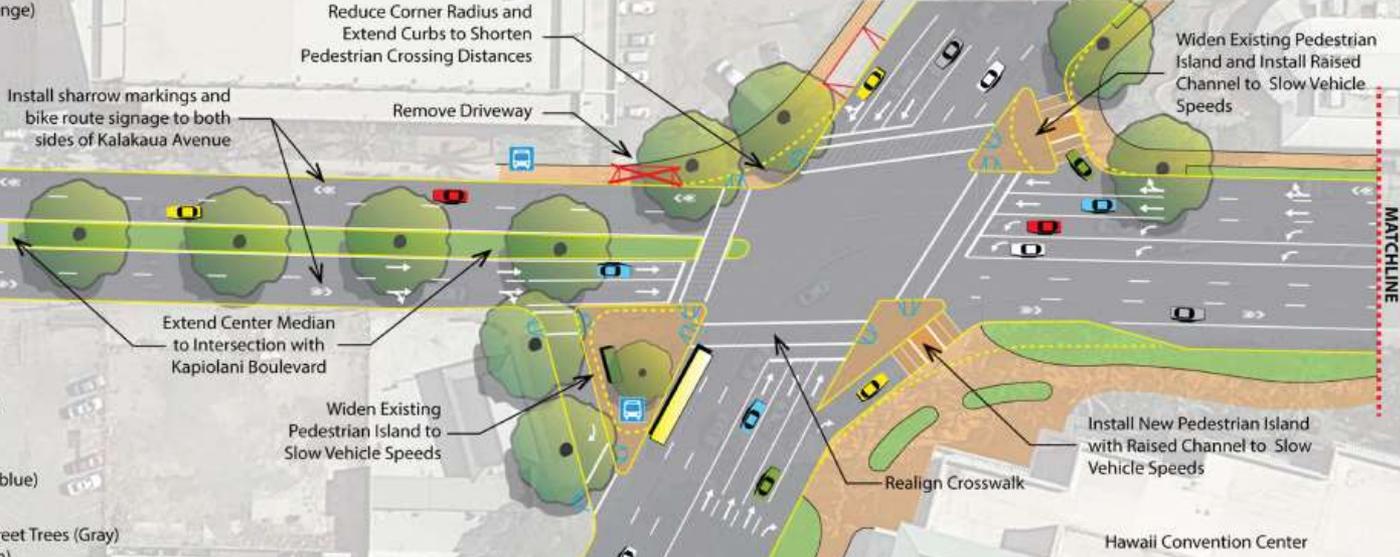
Conceptual Designs

Figure 3 Concepts for Kalakaua Avenue at Kapiolani Boulevard

Legend:

-  Bus Stop and Shelter (green), Bus Stop (blue)
-  Curb Extension (bulb out), Existing Curb (yellow dash), Sidewalk (orange)
-  Raised Pedestrian Crossing (dark orange)

-  Sidewalk (orange), Curbline (yellow) & Driveway (Red)
-  Crosswalk (white), Handicap Ramp (blue)
-  New Street Trees (Green), Existing Street Trees (Gray) and Ground Cover Areas (Light Green)

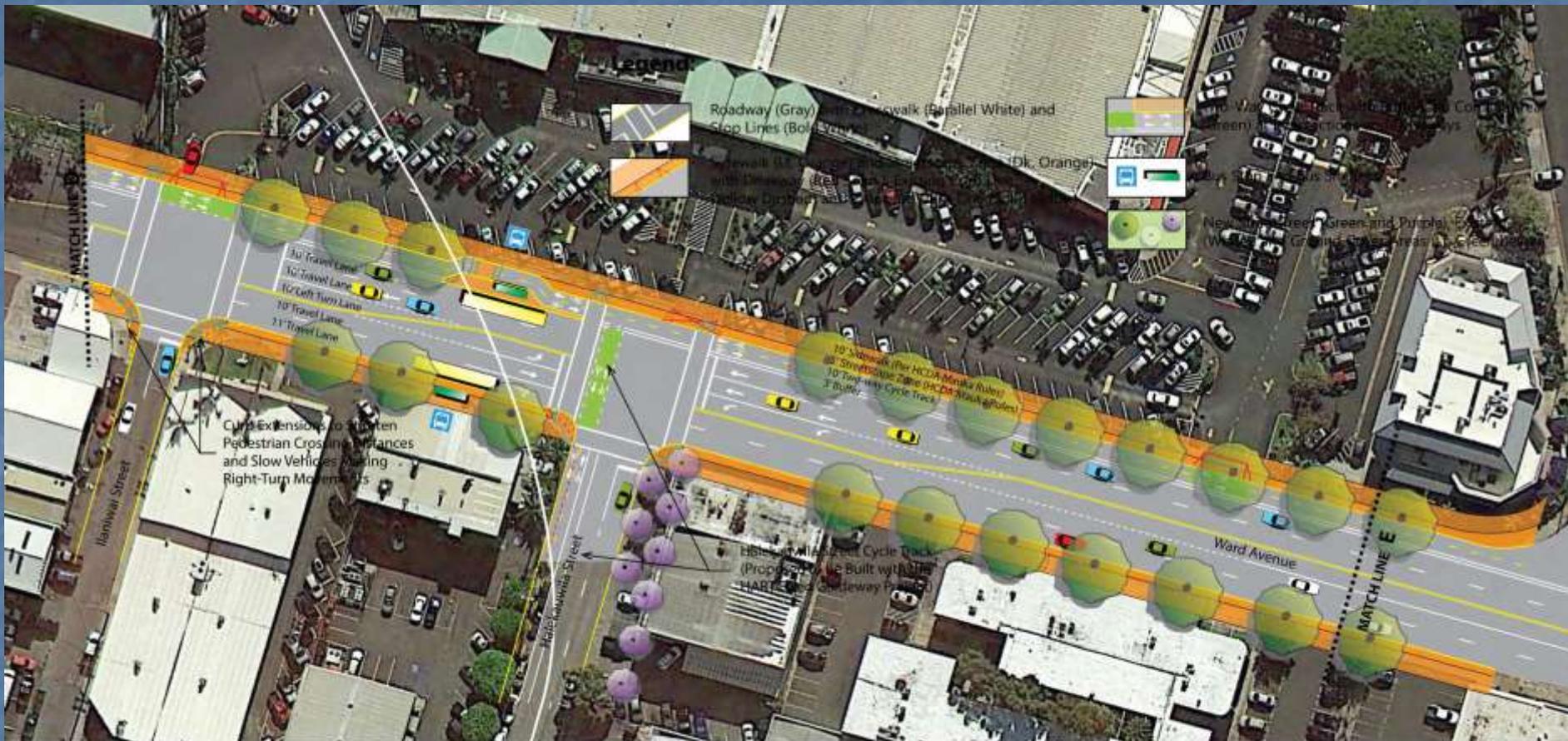


Task 5: Application Sites

Kalakaua Avenue, Honolulu
SSFM International, Inc.



Conceptual Designs



Ward Avenue Complete Street

Conceptual Design
SSFM International, Inc.
07/28/2015



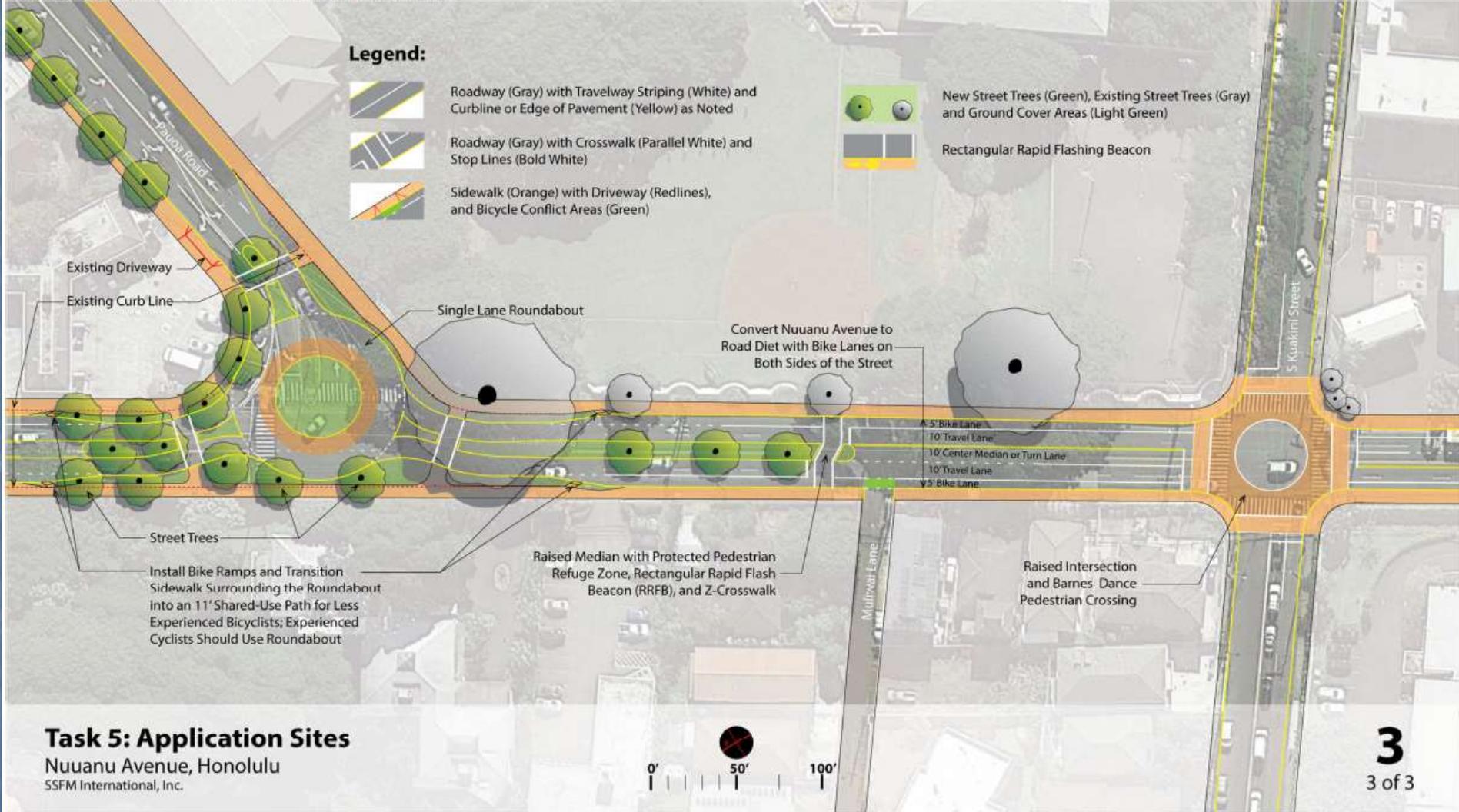
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Conceptual Designs



Conceptual Designs

Figure 5 Concepts for Nuuanu Avenue from Pauoa Road to Kuakini Street

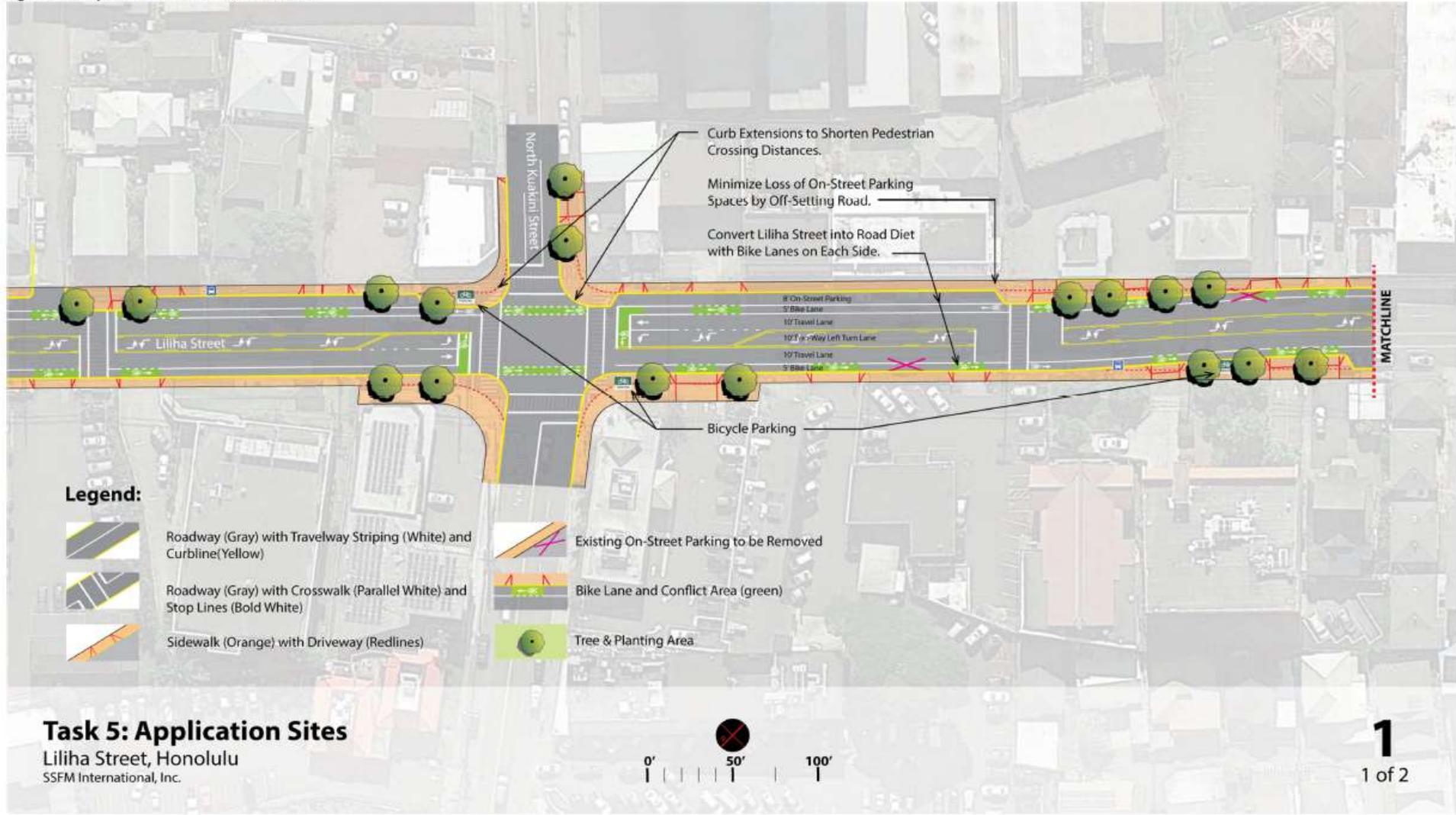


Task 5: Application Sites

Nuuanu Avenue, Honolulu
SSFM International, Inc.

Conceptual Designs

Figure 3 Concepts for Liliha Street at Kuakini Street





Mahalo!

