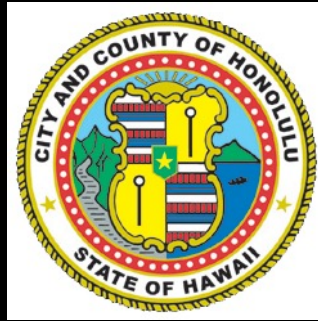




Ho'o Lōkāhi (to bring about in unity)



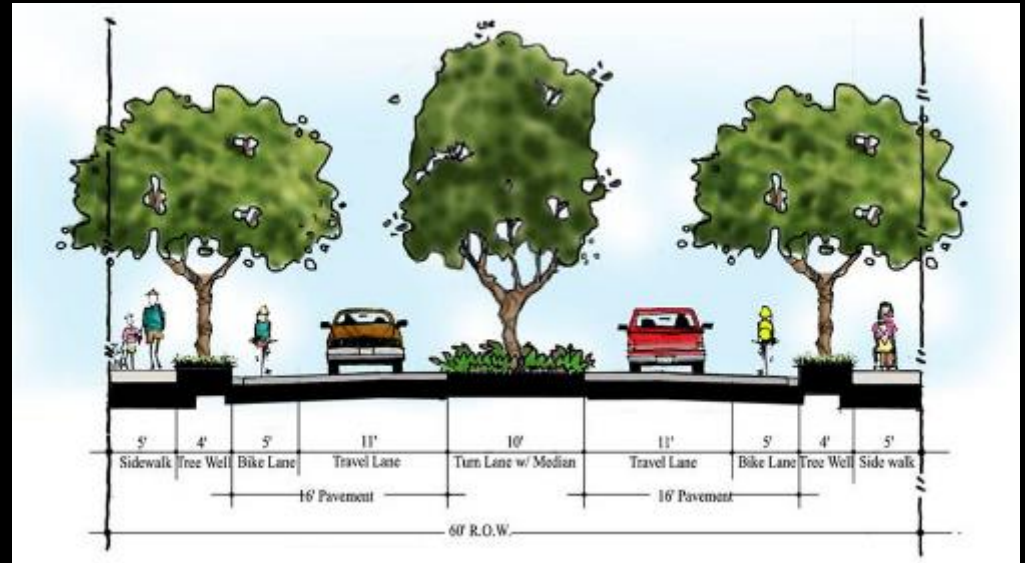


Complete Streets and other Honolulu Initiatives

New Partners for Smart Growth Conference

Mark Garrity
Department of Transportation Services
City & County of Honolulu
February 13, 2016

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
- Access and mobility for all
- Balance the needs and comfort of all users
- Use national best practices
- Provide options
- Encourage physical activity
- Think: “long-term investment”
- Build partnerships statewide
- Incorporate landscaping



Complete Streets Checklist

- Consistent with requirements of Ordinance 12-15
- Based on national best practices
- Being used now by DPP, DTS, DFM and DDC
- Completed checklists on-line
- Challenge has been to incorporate CS features into projects

City & County of Honolulu: Complete Streets Checklist

Certification			
Project Title: _____			
Project Engineer:		Division Chief:	
Print Name	Signature	(City Projects Only) Print Name	Signature
_____	_____	_____	_____
Dept. Director/Principal:	DPP Complete Streets Coordinator:		Signature
Print Name	Signature	Print Name	_____
_____	_____	_____	_____
Department/Print Name	Date	Signature	Date
_____	_____	_____	_____
Signature	Date	Signature	Date
_____	_____	_____	_____

Refer to 'Complete Streets Checklist Instructions' for explanation and certification. Do not certify until checklist is fully completed.

Section A: Street Classification, Street Type and Other Data

1) Is this a transportation facility or project? (This includes, but is not limited to, reconstruction, rehabilitation and resurfacing.)
 Yes (please describe the project below and complete entire form.)
 No (stop, complete certification and submit to DPP Complete Street Coordinator)

Project Description: _____

2) Is this a bridge, viaduct, transit, transit project? If yes, stop, complete certification and submit to DPP.
 Is this a transit project only? If yes, skip to C.

2) What is the Street Classification?
 Local Minor Collector Major Arterial
 Local MA or Collector Major Arterial

3) What is the Street Type? Check all that apply.
 Residential Commercial Industrial Mixed Use Other - Explain _____

4) What is the daily traffic volume (ADTV)? (complete for a major collector road or higher classification).

5) If there are sidewalks in the area, describe their condition:

6) Are there any nearby (within a 1/4 mile; transit facilities? If so, please describe.

7) Please describe the parking restrictions in the area surrounding the facility or project:

Section B: Approved Plans

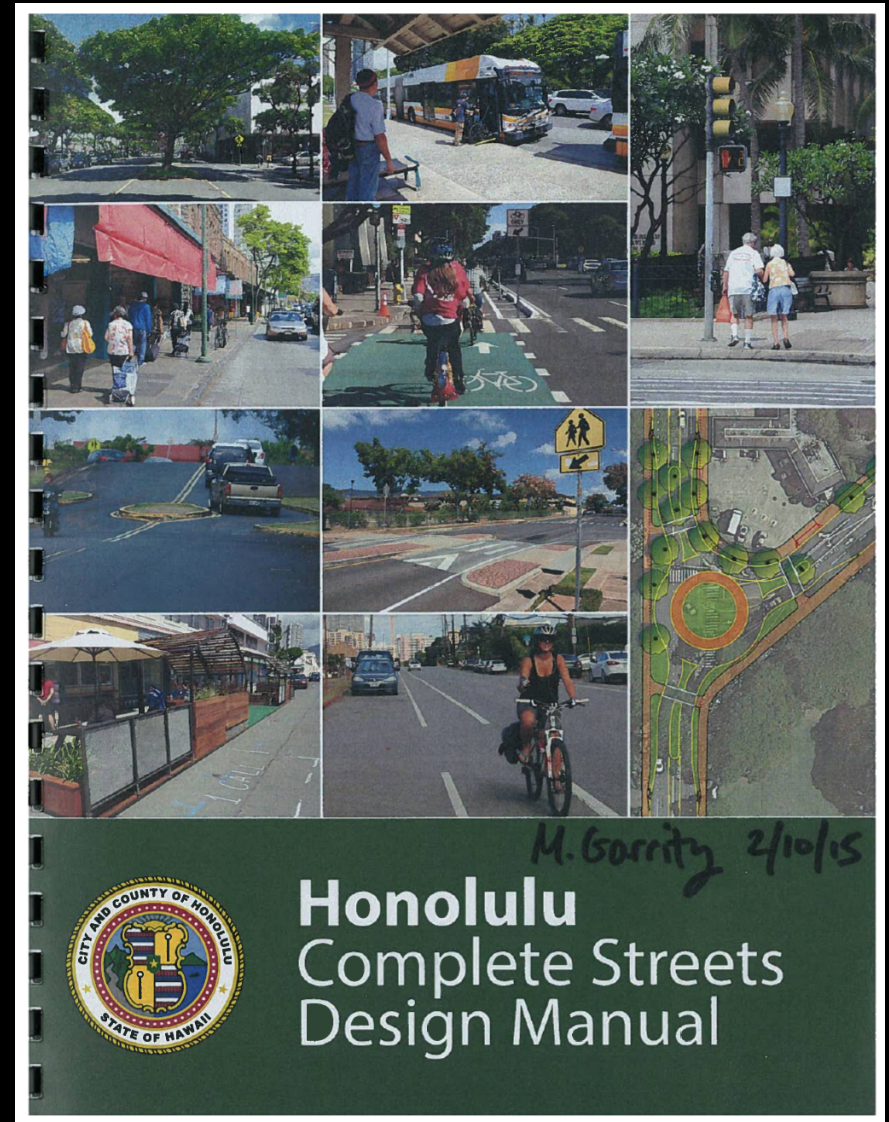
1) Does the Oahu Bike Plan make any recommendations with respect to the area surrounding the facility or project? If so, please describe:

2) Does any other neighborhood plan, bicycle plan, pedestrian plan, transit plan or other transportation-relevant plan apply to the area surrounding the facility or project? If so, please identify the plan and describe the recommendations.

Please complete other side.

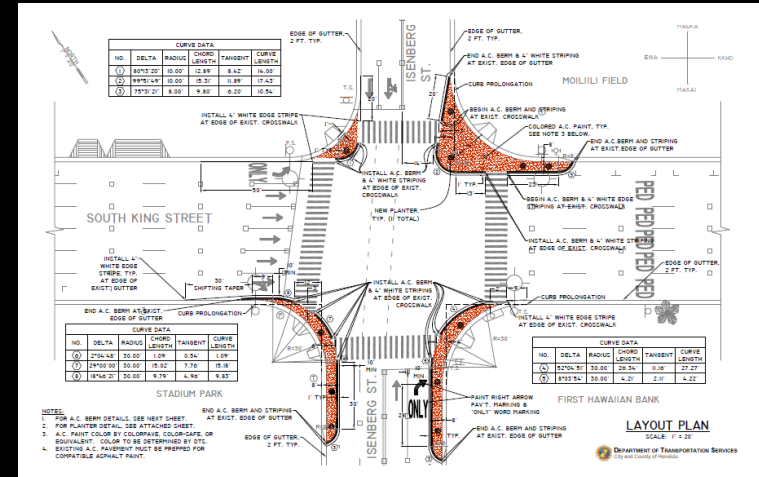
Complete Streets Design Manual

- Updates designs for many standard details
- Consistent with national best practices
- Based on input from many stakeholders
- Will replace outdated, auto-centric standards
- Winner of 2015 Hawaii Planning Award

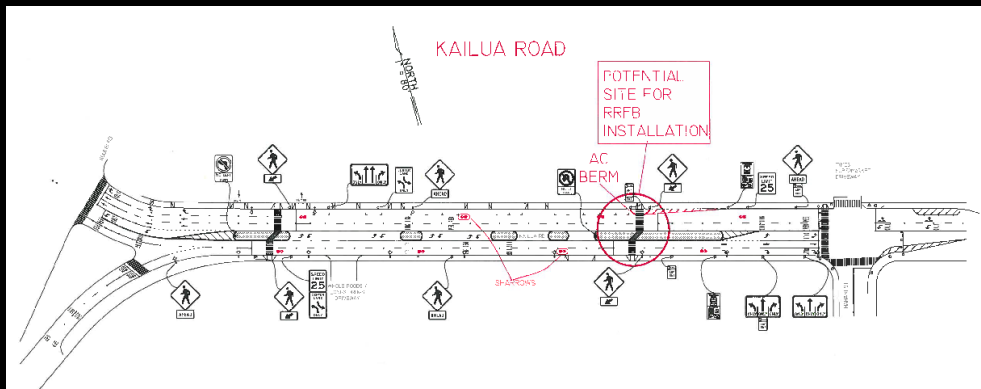


Demonstration Projects

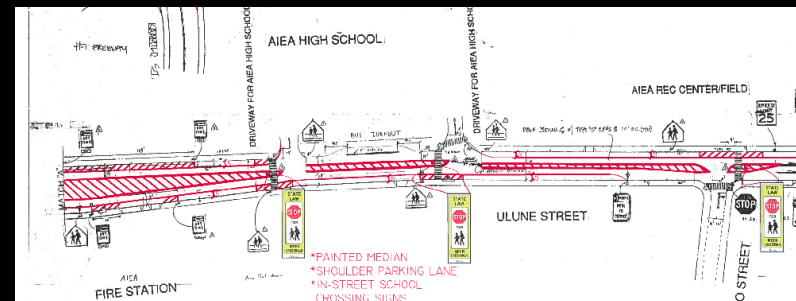
- Low-cost, simple materials
- Improve safety and provide opportunities for walking, bicycling
- Work with private partners where possible



Moilili



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

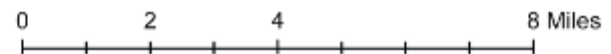


After

Implementation Study Projects



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

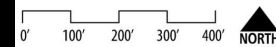
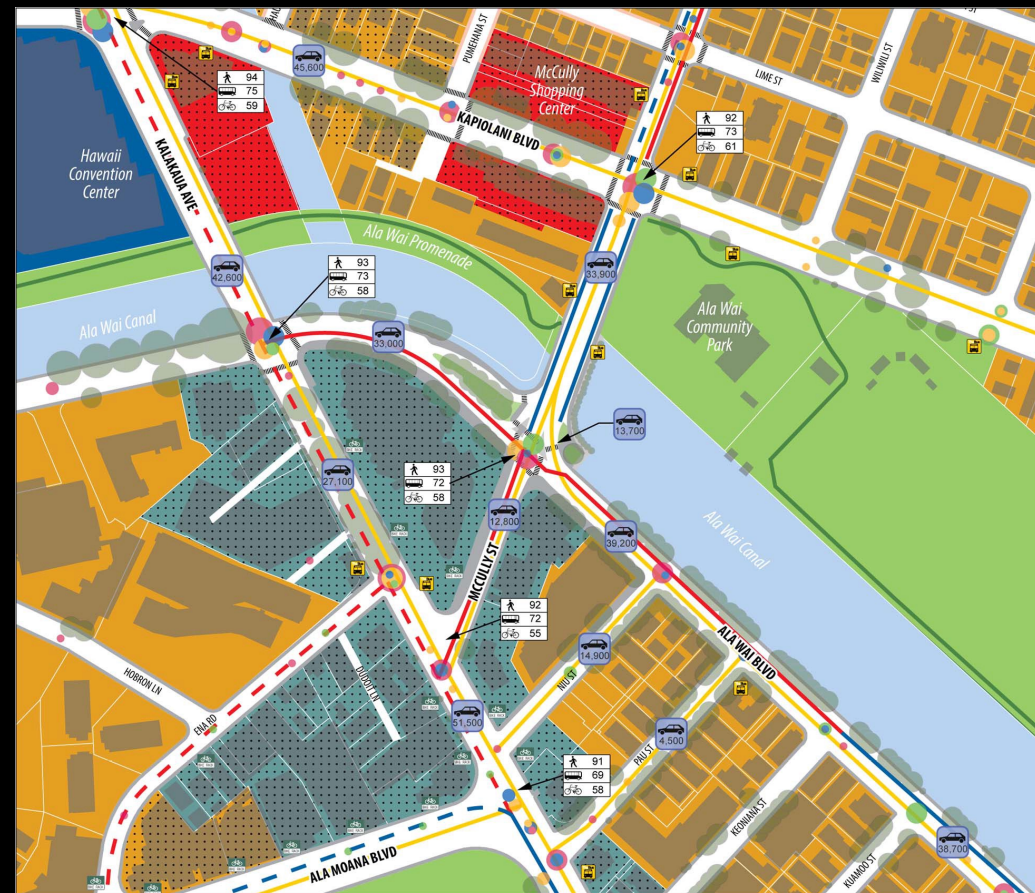


Site Visits/Walk Audits



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

- Lane
- Path
- Route
- Bicycle Racks

Transit Facilities

- Bus Route
- Bus Stop

Walk Scores

- Walk Score
- Transit Score
- Bike Score

Traffic Accidents

- 1 crash
- 2 crashes
- 3-9 crashes
- 10+ crashes
- Red** = Car/Truck,
- Orange** = Motorcycle/Moped,
- Blue** = Bicyclist,
- Green** = Pedestrian

Traffic Counts

- Average Daily Traffic

Street Trees

- Canopy Diameter

Existing Land Use

- Apartment
- Apartment Mixed Use
- Business Mixed Use
- Institutional
- Park/Open Space
- Resort Mixed Use

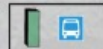


Pedestrian Facilities


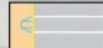

- No Sidewalk
- Sidewalk
- Crosswalk

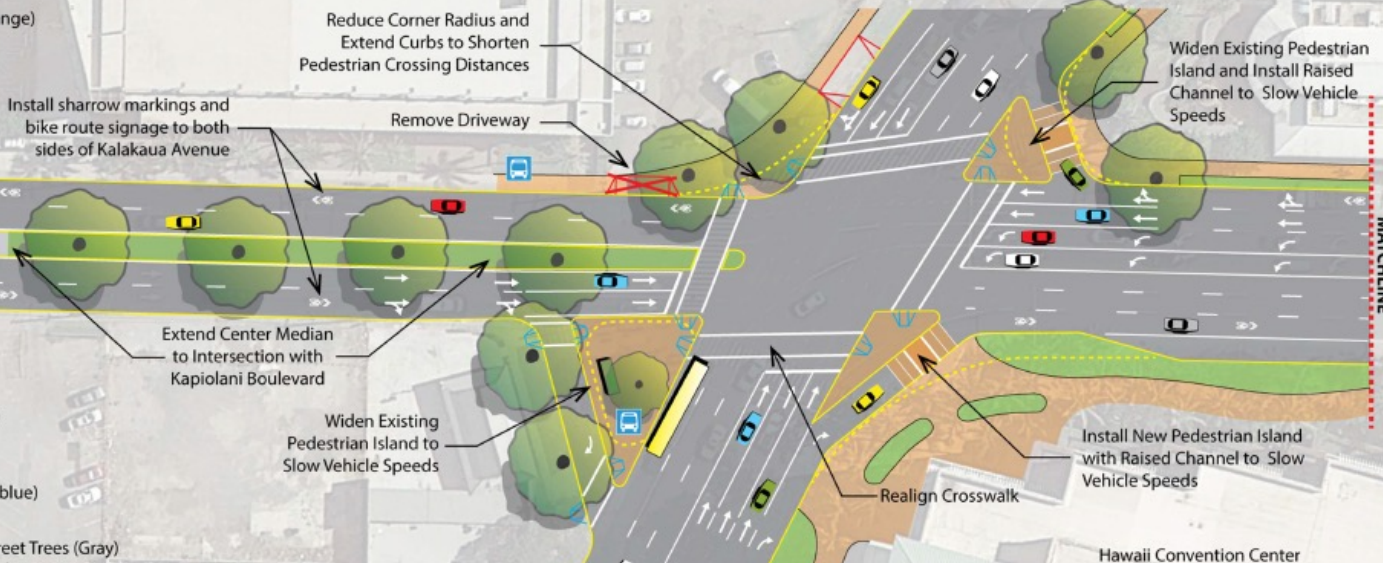
Conceptual Designs

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.



Complete Streets Implementation



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?



Rail Station Area Walk Audits



- Five walking audits held 2013 to 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

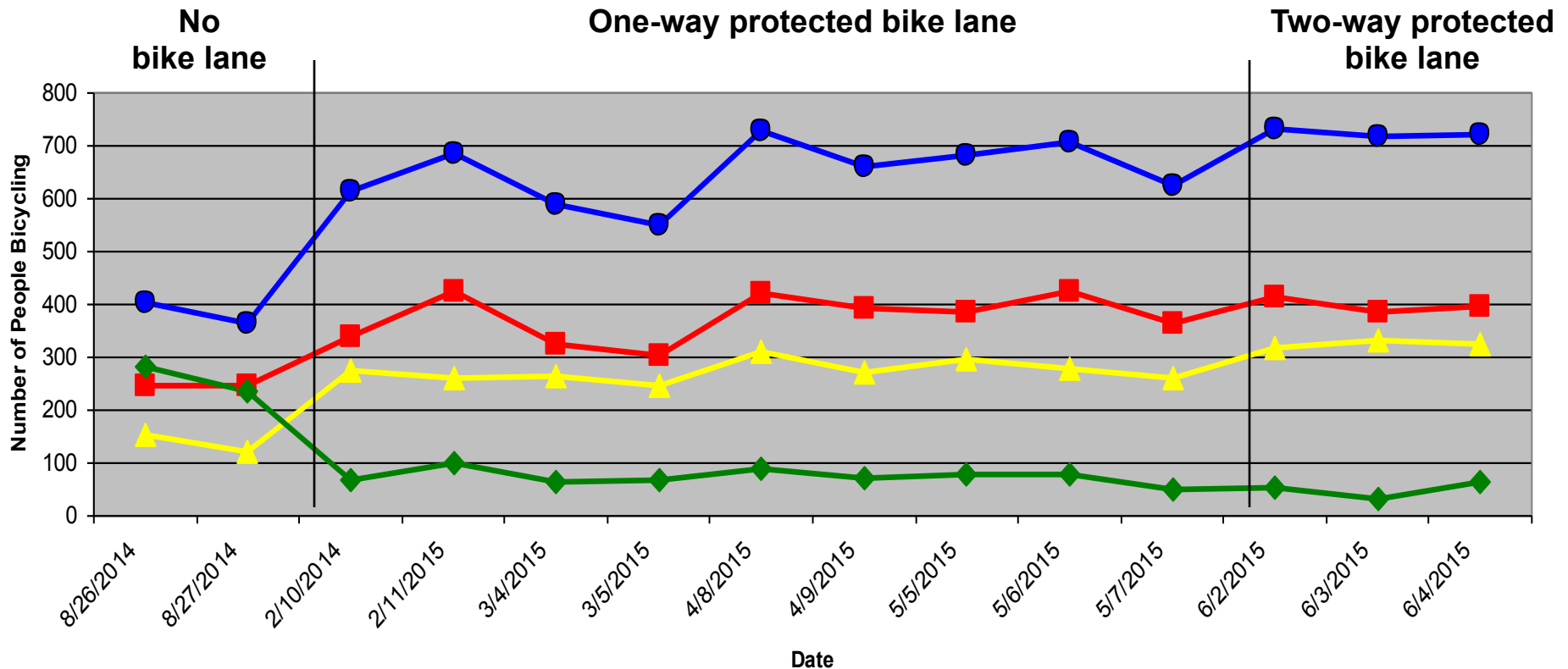
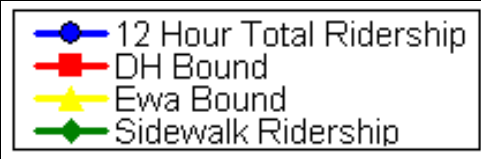
King Street Protected Bike Lane



Results for South King Street

at Kalākaua Avenue

88%
Increase in
bicycle ridership





LEGEND

BIKEWAY NETWORK		LAND USES
Existing	Proposed	
PROTECTED BIKE LANE	Short term	Medium High Density Apartment
Thruway Highway Bike Facility	Long term	Business
Linear Bike Facility		Business Residential Mid-Density
Bike Path		Resort/Recreational Use
Bike Lane		Park
Bike Route		Public/Private School
Public Rail Guideway and Stations		University
Transit Center		

ONE-WAY AND TWO-WAY PROTECTED BIKE LANES/CYCLE TRACKS

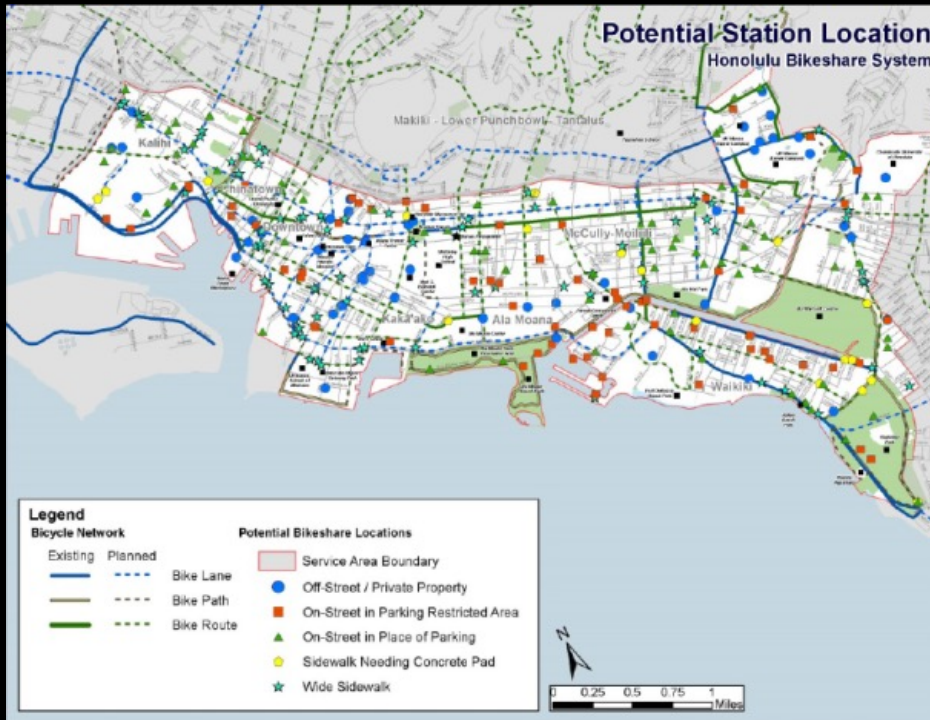


PROTECTED BIKE LANE NETWORK



Bikeshare Hawaii

- Set to open in 2016
- Up to 2000 bikes and 200 stations



Secure Bicycle Storage

- Using Federal 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





Mahalo!

