

What's possible in four years?



Implementing Healthy Community Design on Kaua'i



Presenters:

Bev Brody
Get Fit Kaua'i (NPAC – Kaua'i)

Marie Williams, A.I.C.P.
Kaua'i County Planning Department

PAN SUMMIT
May 24, 2013



The Get Fit Kaua'i Story



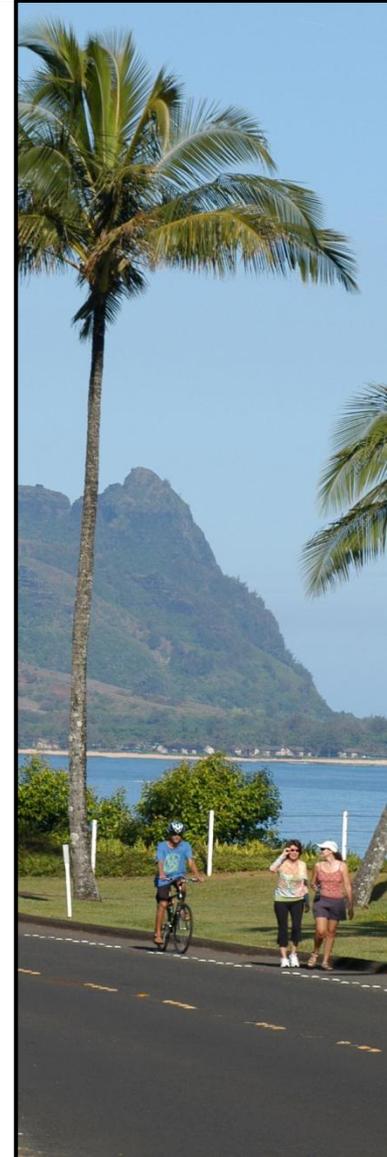
- Bev Brody hired as Island Coordinator in January 2009
- Committed Mayor (Hon. Bernard Carvalho)
- Four Task Forces
- Built Environment Task Force convened in July 2009
- 34 Members on the Task Force



Bev and Kaua'i Mayor Bernard Carvalho



Built Environment Task Force Members



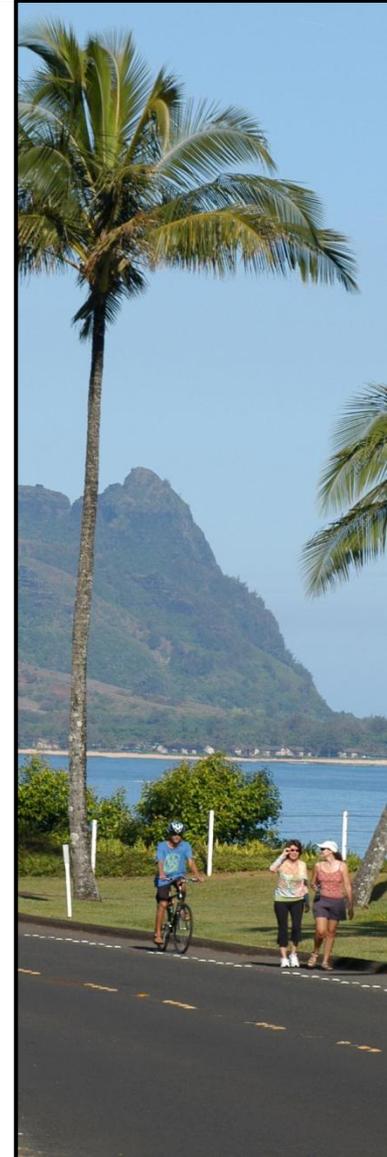
Year 1:

“Hey, this makes sense!”

- Educate people about the socio-ecological model.
- Explain the connection between health and the built environment.
- Build consensus among local leadership that Kaua'i needs healthy communities.
- The Statewide Complete Streets Policy (Act 54) was enacted in 2009
- GFK Built Environment Task Force debated; resolution/ordinance



Something's wrong with this picture...



Year 2:

“It passed! Now what...”

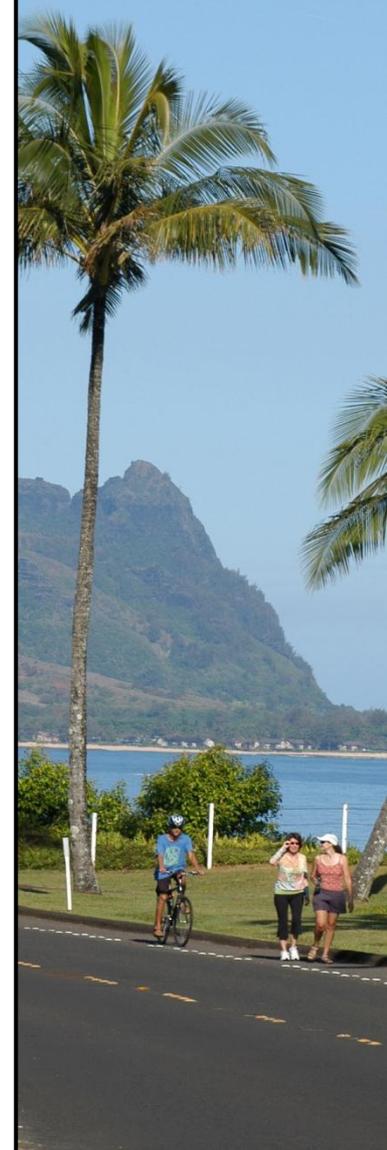


First Hawai'i County to adopt policy



Public Workshop in April 2011

Complete Streets Resolution Passed in September 2010



Year 3:

“We need a really good plan.”



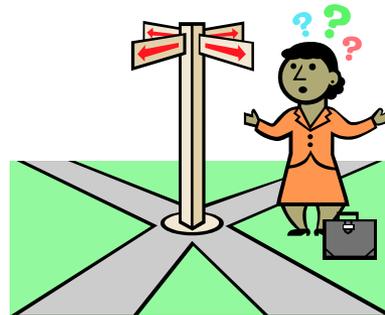
Long-Range Planning



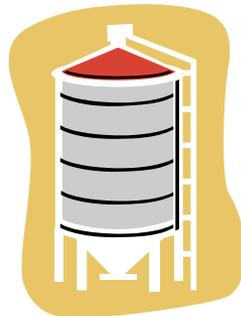
Transportation Agency



Public Works



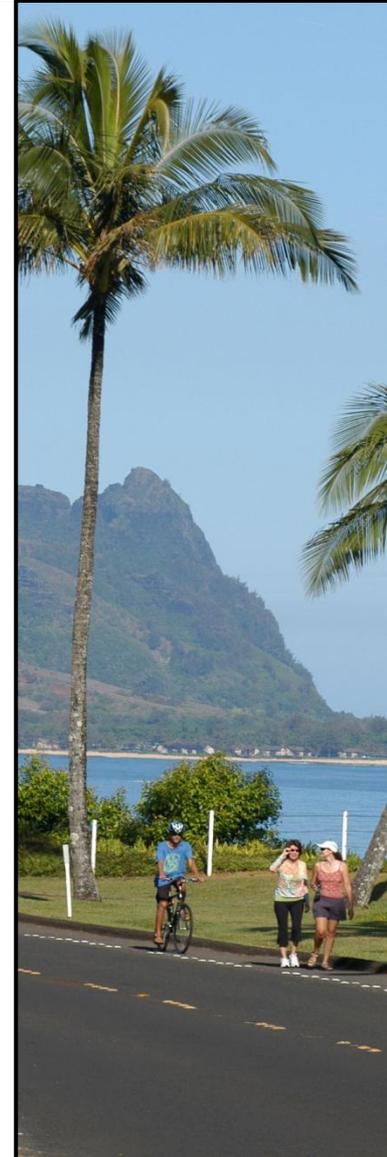
Regulatory Planning



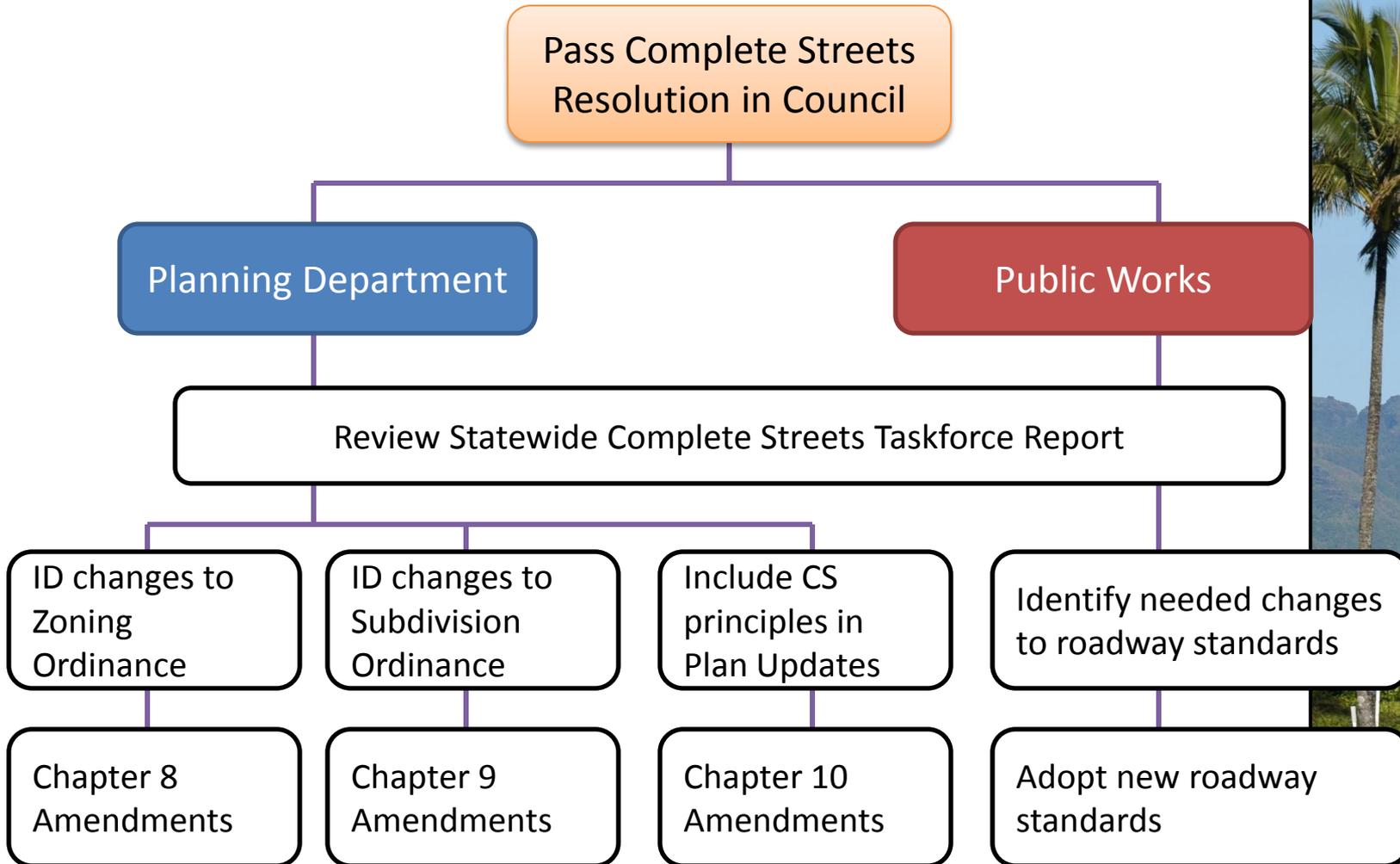
DOT – Kaua'i Branch



State DOT



The Initial Implementation Plan...



Michael Moule Week, October 2011



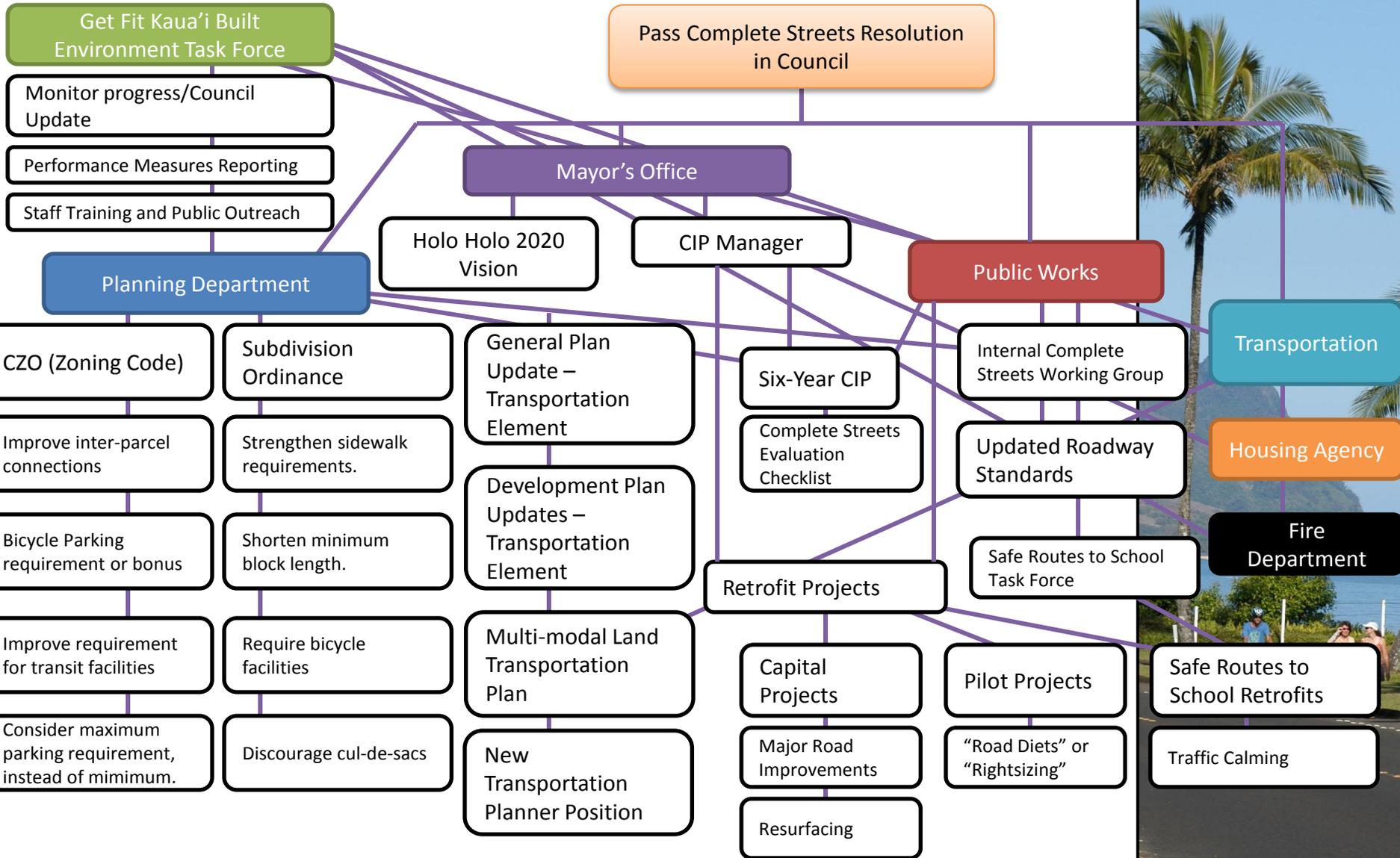
- Planning Department Action Plan
 - Zoning Code
 - Subdivision Code
 - Long Range Plans
- Public Works Department Action Plan
 - Roadway Standards
 - Capital Projects

"The implementation of a Complete Streets policy can seem overwhelming given the many players and parts. Mr. Moule clarified what our primary focus should be vs. parallel processes that can be dealt with later."

~ Workshop Participant



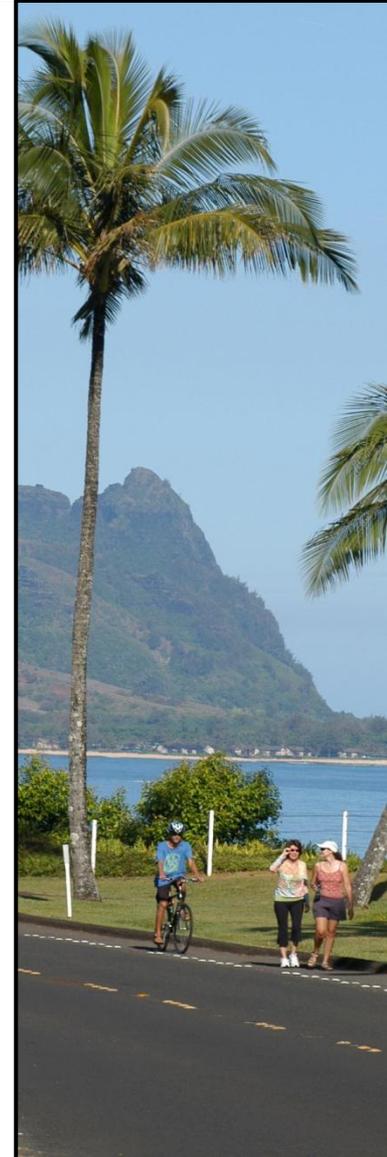
The plan evolved...



Community Outreach



- Complete Streets is not a broad mandate for sidewalks and bike lanes on all roads.
- Dan Burden (Walkable Communities) hired to create photomorphs showcasing potential retrofits on rural roads.



Two Way Traffic
18 feet
Posted at 12 mph



**Speed
Limit
20**

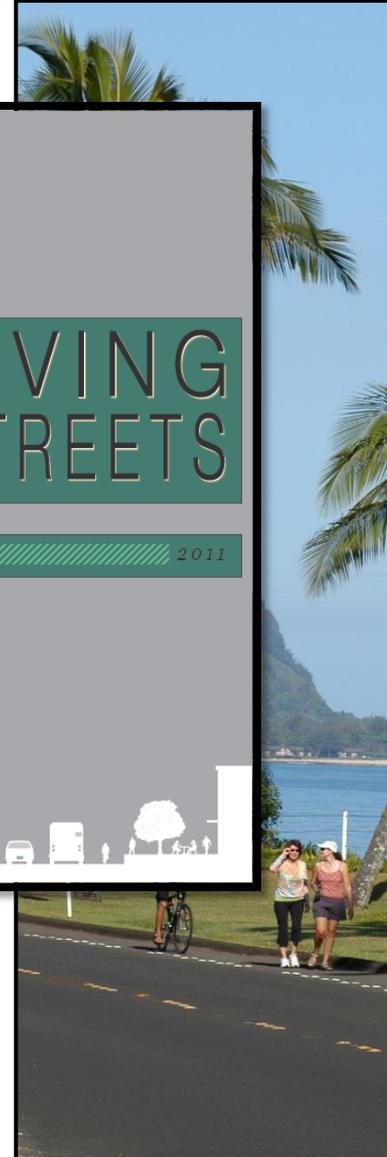
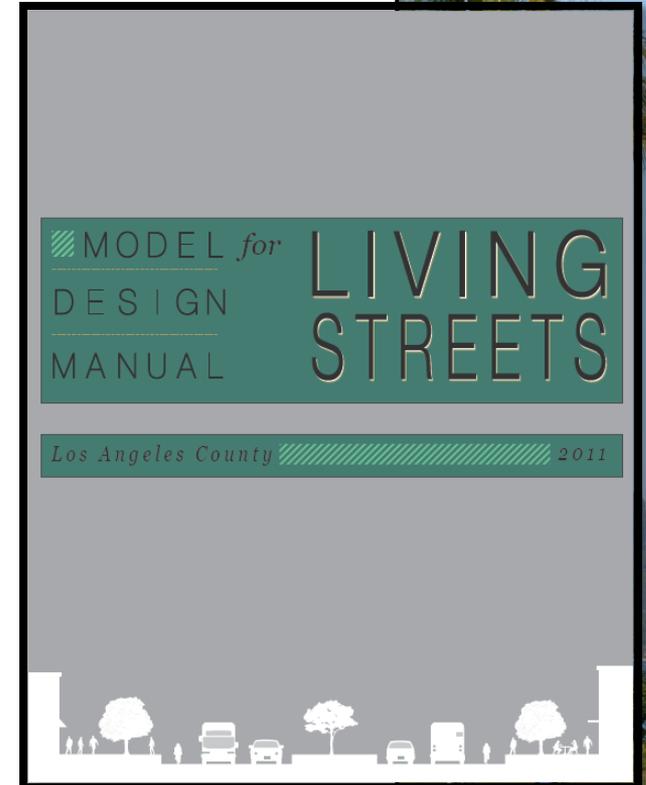
**MPH
20**



Year 4 (2012 and beyond): “Change is happening!”



- Changing the Roadway Standards
- Model is LA Living Streets Design Manual
- Internal Working Group has staff from Planning, Housing, Public Works and Transportation.
- Serving as a model for other Hawai'i Counties



Year 4 (2012 and beyond): Developed Performance Measures



Performance Measures Summary	
1. Pedestrian and cyclist safety <ul style="list-style-type: none"> • Non-motorized vehicle/pedestrian accidents 	✓
2. Active transportation rate <ul style="list-style-type: none"> • Trip mode share • Overall VMT • VMT per registered vehicle 	🚩
3. Safe Routes to School <ul style="list-style-type: none"> • Mode of transportation to school 	?
4. Public transportation use <ul style="list-style-type: none"> • Average weekly bus ridership 	✓
5. Active transportation facilities <ul style="list-style-type: none"> • Length of sidewalks • Length of multi-use pathways • Signed shared roads • Sheltered bus stops 	?
6. Active transportation improvements <ul style="list-style-type: none"> • Number of funded retrofit projects 	✓
Evaluation Key	
✓	Good News! Progress has been made in this area.
🚩	Warning: The trend is stagnant or showing movement away from our goal.
?	The impact or trend is unclear. Additional years of information are needed.

Complete Streets Performance Measures

County of Kaua'i
2012 Report

Prepared by:
Get Fit Kaua'i Built Environment Task Force
County of Kaua'i Planning Department



Bold Multimodal Transportation Plan

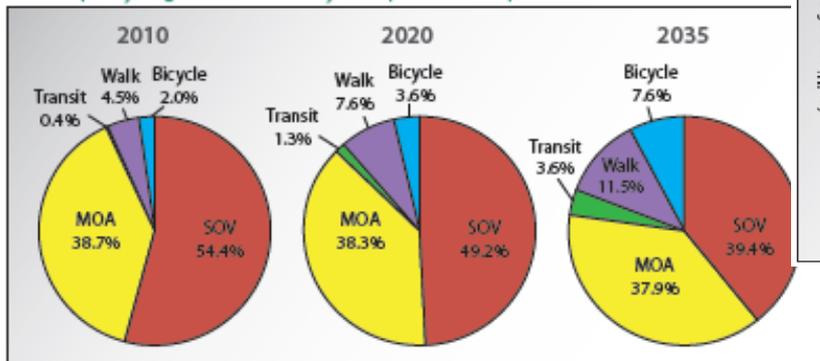


Kaua'i Multimodal Land Transportation Plan

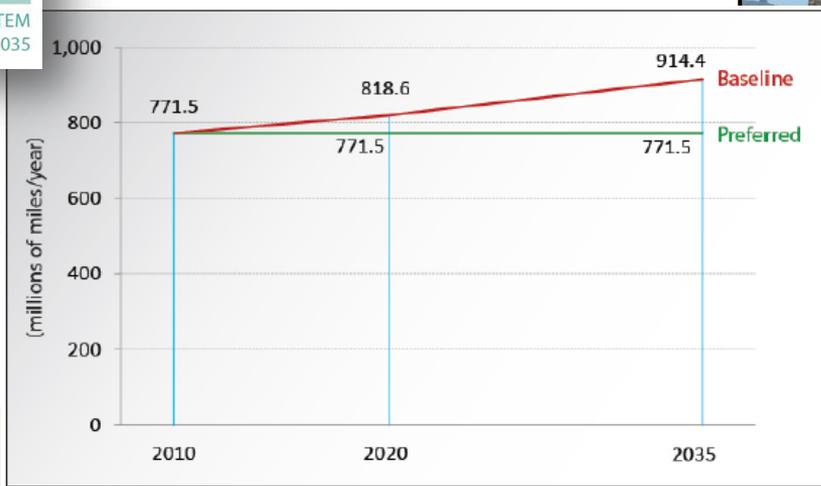


PLANNING FOR A SUSTAINABLE TRANSPORTATION SYSTEM
IN KAUAI COUNTY THROUGH 2035

“The basic idea behind the Preferred Scenario is to prevent growth in island-wide vehicle miles above the 2010 level despite an anticipated increase in population.”



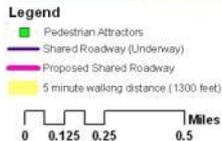
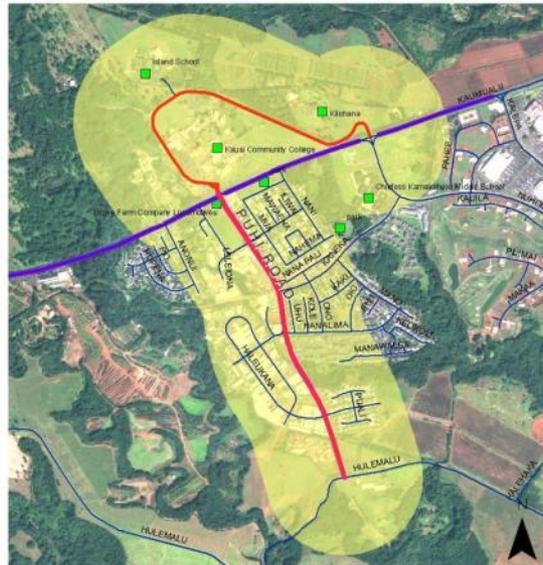
* SOV = Single-Occupant Vehicle, MOA = Multiple-Occupant Auto



Changing County Processes



Puhi Road Resurfacing: Complete Streets Checklist

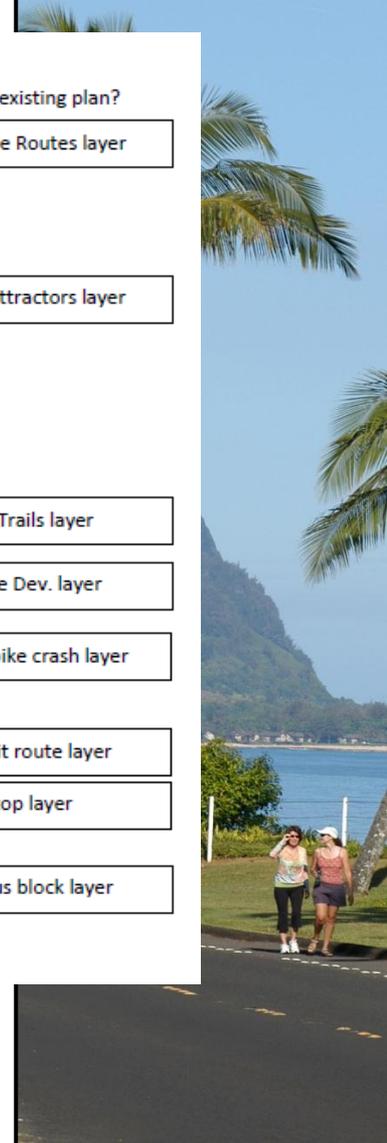


Complete Streets Need Analysis:
 Approximately 3,300 people live in the immediate vicinity of this project and there are 7 major trip attractors located either on the route or close by. This route is a proposed shared roadway according to the Hawaii Statewide Bicycle Plan and intersects a shared roadway that is currently under construction.

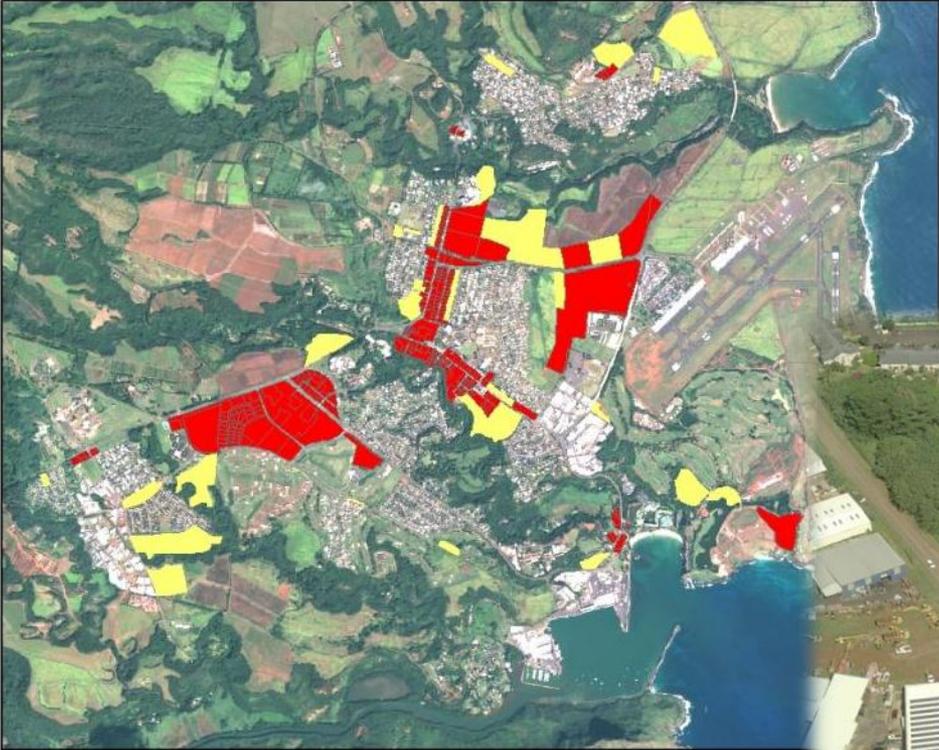
Kauai County Planning Department
 11/25/11

1. Community and Bike/Ped Plans
 - a. Is the road segment identified as a bicycle or pedestrian facility in an existing plan?
 - i. Statewide Bicycle Master Plan
 - ii. Statewide Pedestrian Master Plan
 - iii. Lihu'e Town Core Urban Design Plan
 - iv. Other Plans
2. Land Use and Future Development
 - a. Are there adjacent land uses that generate trips within 1300 feet?
 - i. Schools
 - ii. Government facilities
 - iii. Commercial development
 - iv. Recreational land uses
 - v. Hospitals and medical clinics
 - vi. Resorts
 - vii. Religious facilities
 - viii. Historic facilities
 - ix. Transportation centers
 - b. Are there worn paths adjacent to the area?
 - i. Desire lines
 - c. Are there major new developments adjacent to the project?
 - i. Entitled Class 4 projects
3. Safety
 - a. Is there a history of Pedestrian or Bicycle Crashes?
 - i. Pedestrian crashes location
 - ii. Bike crashes location
4. Transit
 - a. Is the road segment on a transit route?
 - i. Transit routes
 - b. Is the road segment adjacent to bus stop?
 - i. Bus stops
5. Community Demographics
 - a. Is this a densely populated area?
 - i. Census blocks
 - b. Is there a high percentage of non-drivers in the area?
 - i. Census blocks, under 16 and over 65

- Bicycle Routes layer
- Trip attractors layer
- Goat Trails layer
- Future Dev. layer
- Ped/bike crash layer
- Transit route layer
- Bus stop layer
- Census block layer



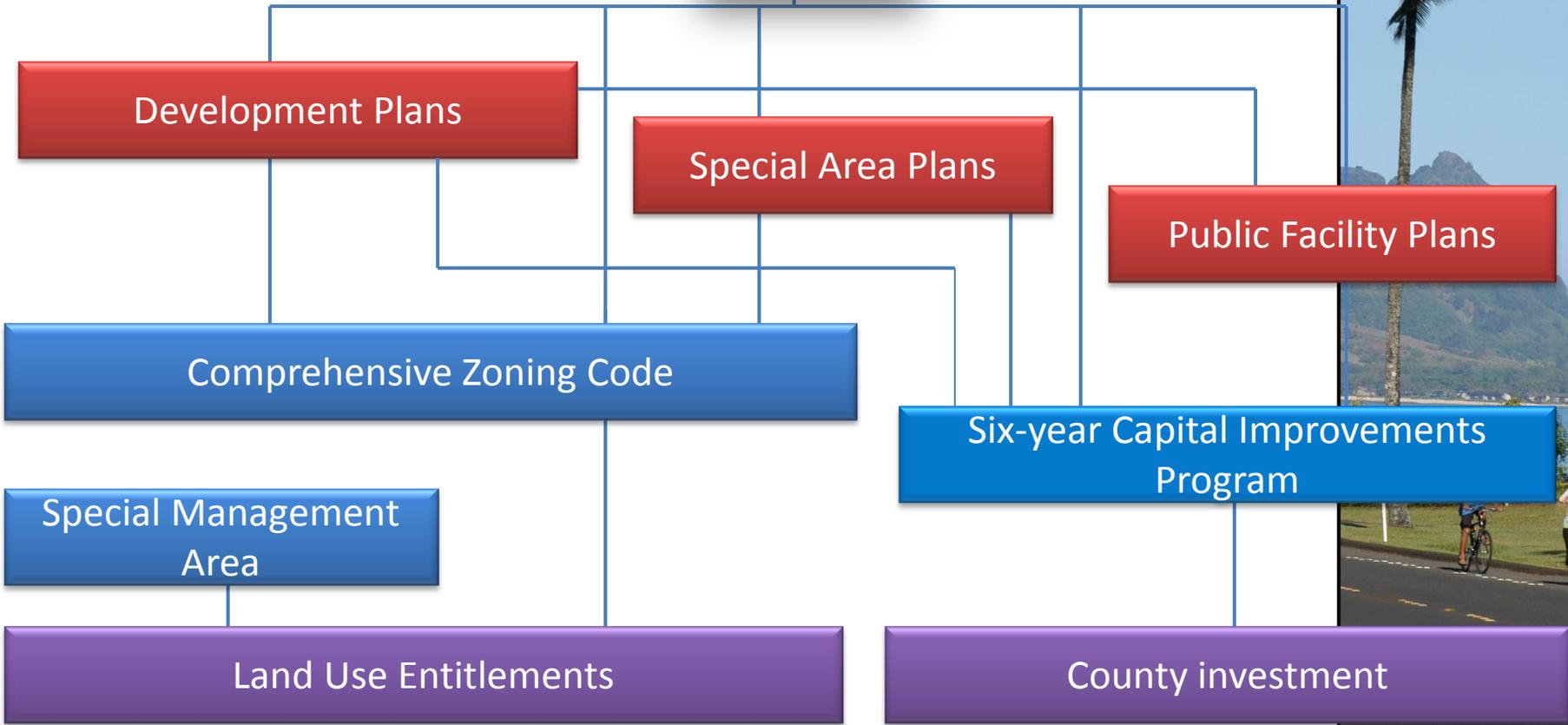
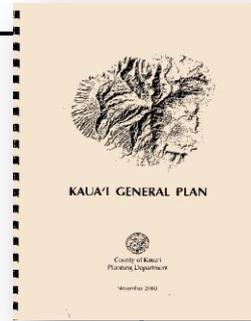
Taking the leap to ordinance change



Legend
Yellow Residential Density 10 units/acre and higher
Red Commercial Areas



Updating the Kaua'i General Plan



Changing how we plan communities

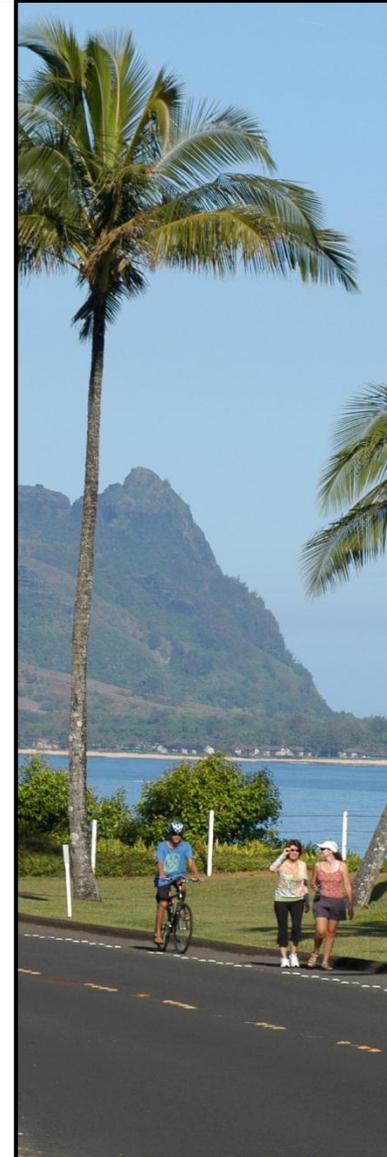


**Restore human legs as a means of travel.
Pedestrians rely on food for fuel and
need no special parking facilities.**

~ Lewis Mumford

**God made us walking animals –
pedestrians. As a fish needs to swim, a
bird to fly, a deer to run, we need to walk,
not in order to survive, but to be happy.**

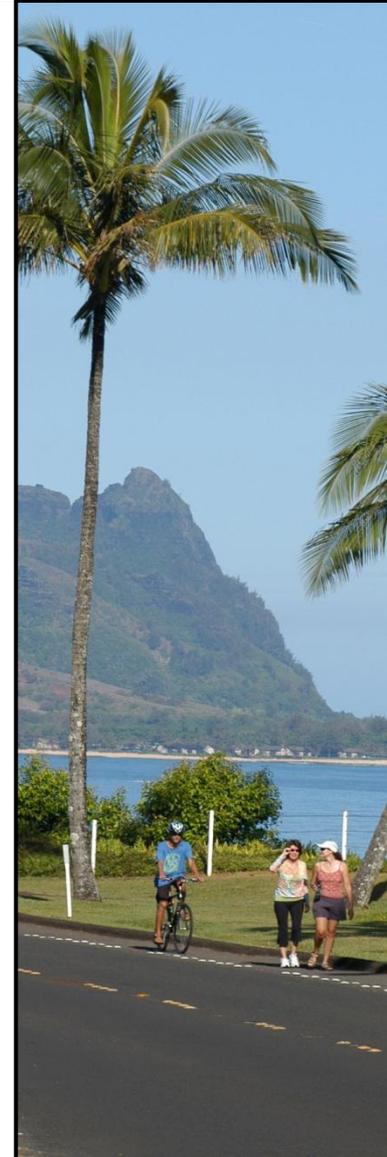
~ Enrique Penalosa



What's Next for Kaua'i?



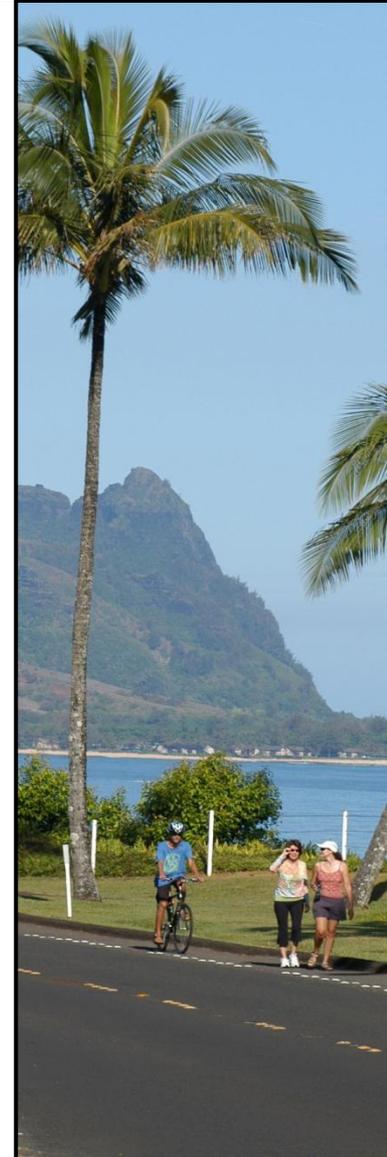
- The General Plan Update
- Integrate Complete Streets into Community Plans
- Finalize the Kaua'i Living Streets Manual
- More ped/bike considerations in capital projects
- More ordinance changes



Lessons Learned



- Meet Monthly
- Creatively break down silos
- Expect and counter resistance with facts
- Learn from the best!



MAHALO!

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