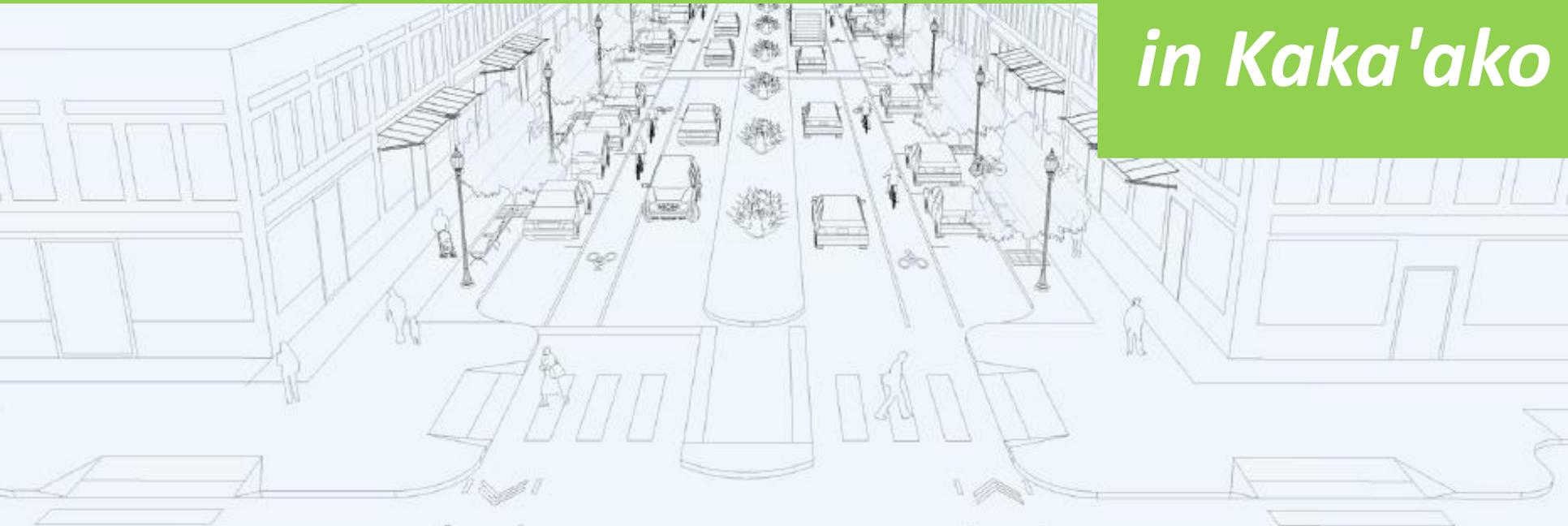


*Complete Streets and  
Transit-Oriented Development  
in Kaka'ako*



# Hawaii Physical Activity & Nutrition (PAN) Plan 2013 – 2020

## Community Design and Access

- **Physical Activity**

**Objective 3:** Implement state and county-level “complete streets” policies as evidenced by:

- Revising necessary zoning codes.
- Updating roadway/design standards.
- Developing implementation plans.
- Developing, adopting, and tracking of performance measures.

**Objective 4:** Develop and implement processes at the state and by every county to include physical activity priorities when determining building design and location, land-use planning, and transportation decisions



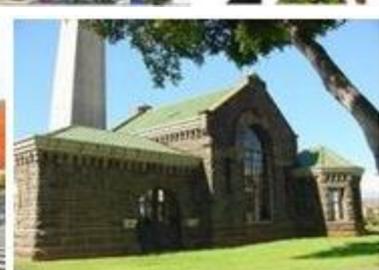
# Hawaii Community Development Authority

- State agency, established in 1976 by legislature to plan and revitalize urban areas
- Redevelopment in Kaka'ako offers opportunity to address need for housing, commercial, office, industrial, parks, open space
- Vision for a sustainable, highly livable, culturally vibrant, economically strong, healthy, and walkable urban neighborhood



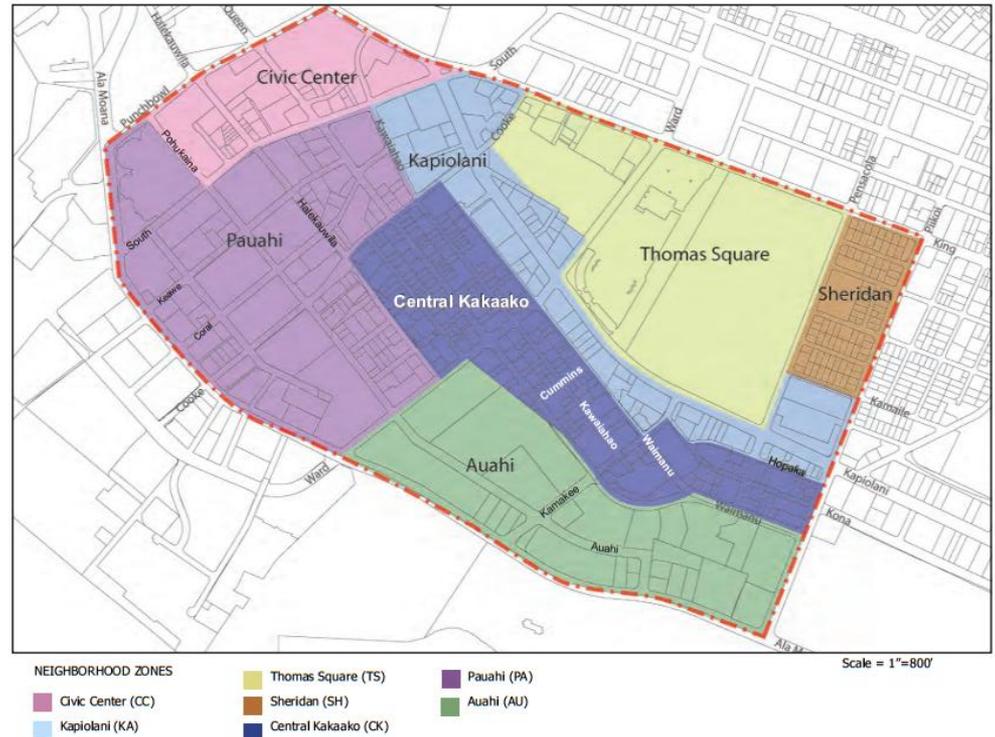
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# Policy Context

- Mauka Area Plan and Rules
  - Form-based codes
  - Regulate building types and land use according to distinct characteristics of 7 subneighborhoods



# Transit-Oriented Development Overlay Plan

*(draft under current public review)*

- Guiding Principles
- Land Use
- Urban Design Framework
- Mobility and Access
- Complete Streets
- HART Stations and Access
- Parking and Transportation Demand Management
- Implementation

# Coordinated Plans

- Oahu General Plan,
  - Primary Urban Center Development Plan
- Major landowner plans,
  - Kamehameha Schools and Howard Hughes Corporation
- Oahu Bike Plan
- Hawaii Pedestrian Plan
- Hawaii 2050 Sustainability Plan

# Smart Growth Principles

- Mixed land uses
- Compact building design
- Range of housing choices
- Walkable neighborhoods
- Communities with distinct sense of place
- Open space
- Development toward existing communities
- Range of transportation choices
- Stakeholder collaboration in development decisions

# Multimodal Transportation

- Pedestrian infrastructure
- Bike infrastructure
- Bus service
- Rail transit
  - Balance modes, consider all users and roles
  - Reliable service, seamless connections
  - Reduce barriers to complete a trip
  - Minimize impacts with other modes
  - Expand reach of surplus parking
  - Bridge long distance and ‘last mile’



## STREET TYPES IN THE KCDD

The street types listed below frame the design of KCDD streets and should be used to determine which design elements are appropriate for the district various land use contexts.

### Ⓞ COMMERCIAL BOULEVARDS AND AVENUES

Regional Boulevard

Transit Boulevard

Commercial Avenue

### Ⓞ DISTRICT STREETS

Residential Street

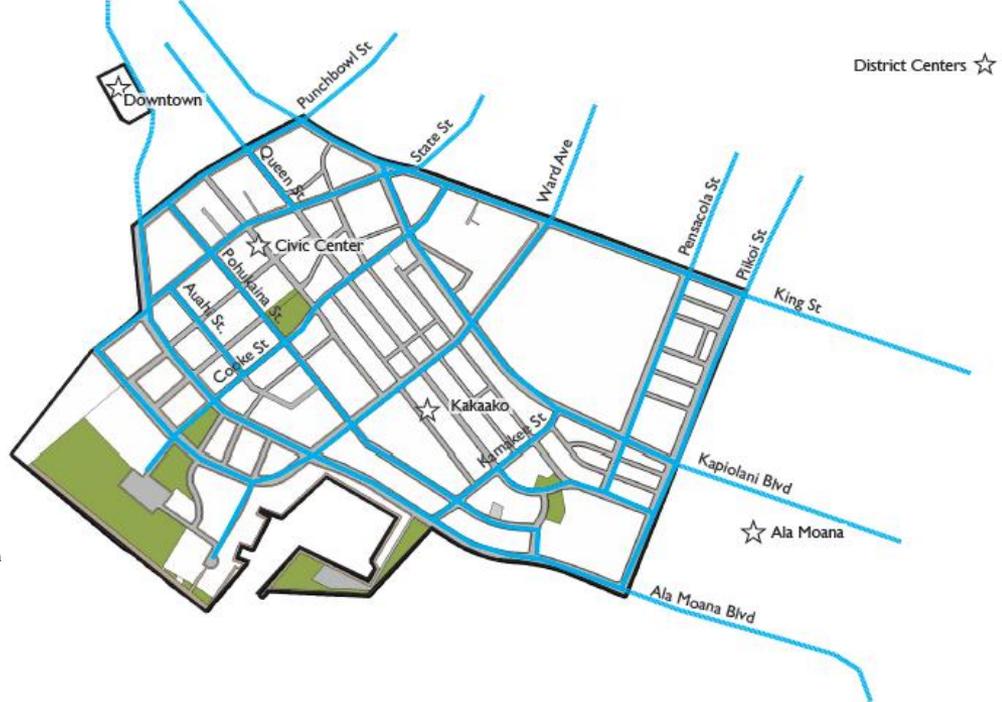
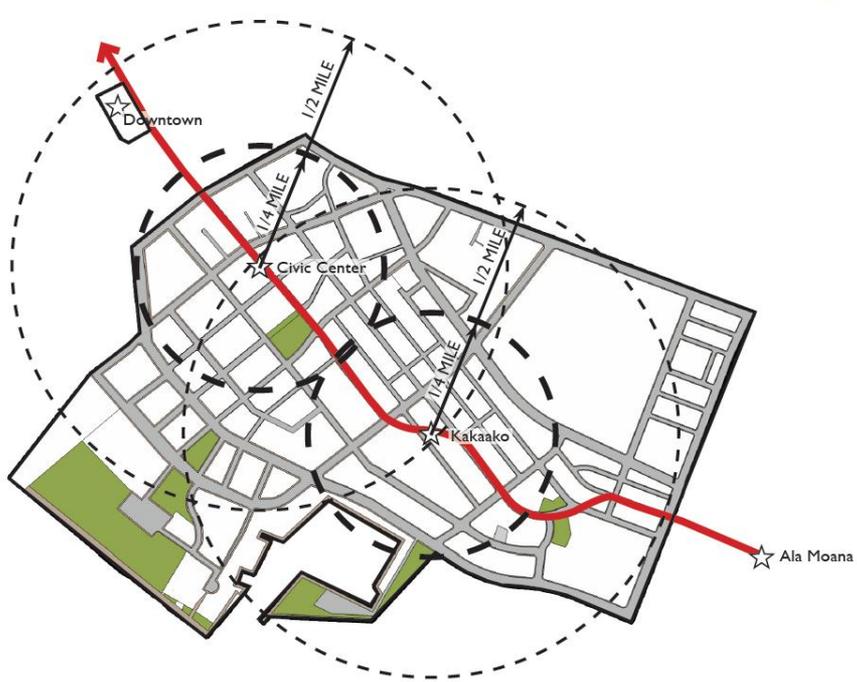
Commercial/Light Industrial Street

### Ⓞ LOCAL STREET

### Ⓞ DISTINGUISHED STREETS

Rapid Transit Street

Promenade

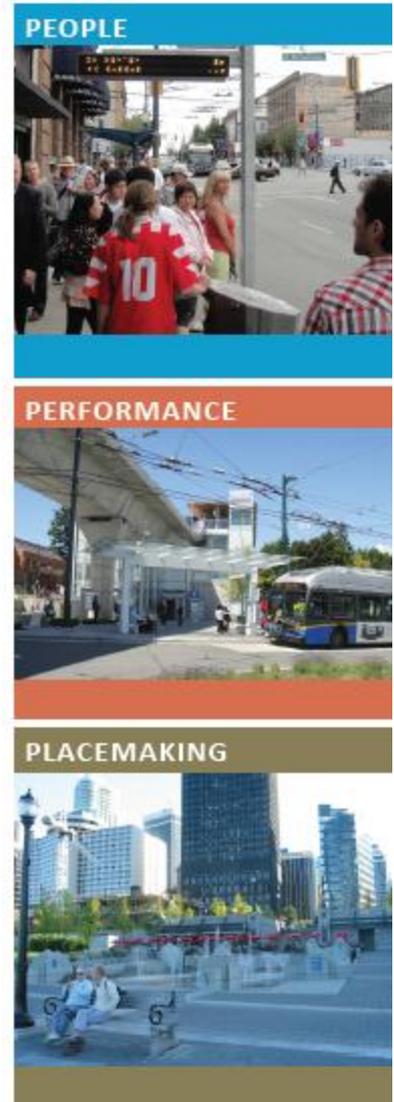


COMPLETE STREET NETWORK

# TOD Key Concepts

- Place amenities, services, housing, job centers in close proximity
- Reduce overall impact and costs
  - Housing, employment, environment
- Foster vibrant and exciting neighborhoods
- Quality of experiences, livable city
- Minimize spaces allocated for vehicles and enhance spaces for people

A SUSTAINABLE  
HONOLULU HAS  
**PEOPLE ORIENTED**  
**DEVELOPMENT**  
IN *KAKAAKO*



# Walkable Neighborhood Design

- **Safety**
  - Enhanced transit shelters and seating
  - Landscaping buffers
  - Active retail frontage
- **Public Spaces**
  - Public art and placemaking amenities
  - Lighting
- **Recreation**
  - Crossing enhancements
    - Curb extensions, mid-block crossings, striped crosswalks, pedestrian refuges, countdown signals
- **Access**
  - Signage and wayfinding
  - Minimize pedestrian-vehicle conflicts at points of ingress/egress
- **Livable**
  - Building setbacks for sufficient sidewalks



 **20** WALKING 20 MINUTES/DAY WILL BURN 7 POUNDS OF BODY FAT/ YEAR

 **45** WALKING 45 MINUTES/ DAY HALVES ODDS OF CATCHING A COLD

 **1** WALKING 1 MINUTE CAN EXTEND LIFE BY 1.5-2 MINUTES

 **20** WALKING 20-25 MINUTES/WEEK CAN EXTEND LIFE BY SEVERAL YEARS



### DEMENTIA

Seniors who walk 6-9 miles/week are less likely to suffer from mental decline as they age, including dementia.



### DIABETES

Walking 30 minutes/day, 5 days/week, along with moderate diet changes, can halve risk of Type 2 Diabetes.



### HEART DISEASE

Walking 30 minutes/day, 5 days/week can halve the risk of heart disease and reduce stress, cholesterol, and blood pressure.



### ARTHRITIS

Walking can reduce pain and improve function, mobility, mood, and quality of life, without worsening symptoms.



### DEPRESSION

Walking triggers endorphins, promotes relaxation, and prevents anxiety and depression.

WALKING 3-5 HOURS/ WEEK REDUCES MORTALITY BY 50% IN WOMEN WITH BREAST CANCER



WOMEN WHO WALK FOR 1 HOUR/ DAY, 5 DAYS/WEEK AND CONSUME 1,500 CALORIES/ DAY CAN LOSE AND KEEP OFF 25 LBS



WALKING 30 MIN/ DAY, 4 DAYS/WEEK CAN REDUCE THE RISK OF DIABETES BY NEARLY 60%



PROSTATE CANCER PATIENTS WHO WALK 90 MIN/WEEK HAVE NEARLY 50% LOWER MORTALITY RISK

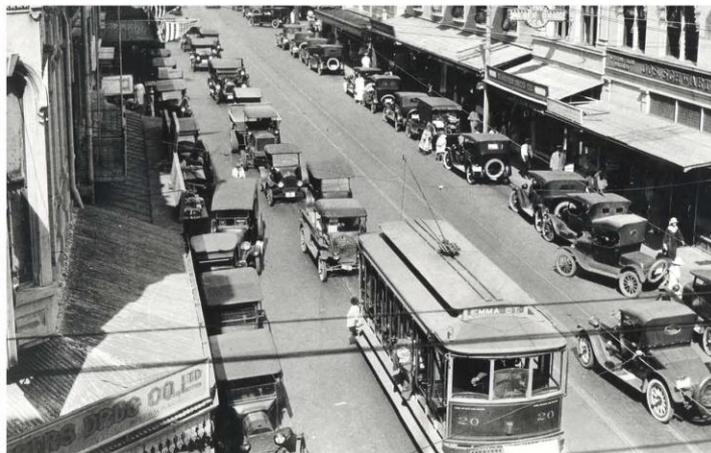


WOMEN WHO WALK REGULARLY ARE 31% LESS LIKELY TO DEVELOP COLON CANCER THAN THOSE WHO EXERCISE LESS THAN ONE HOUR/ WEEK



# Implementation

- Rule changes for Kaka'ako (TOD Overlay Plan)
- Focus on redevelopment, urban infill
- Right-size street space
- Performance measures and level of service standards
- Interagency, public-private partnerships



HAWAII COMMUNITY DEVELOPMENT AUTHORITY

# KAKA`AKO COMMUNITY DEVELOPMENT DISTRICT TOD OVERLAY PLAN

DRAFT

May 2013



## HCDA OPEN HOUSE

461 Cooke Street, Honolulu, Hawaii 96813

May 23rd 5:30 pm - 7:30 pm

May 24th 5:30 pm - 7:30 pm

May 25th 10:00 am - 1:00 pm

May 30th 3:30 pm - 5:30 pm

**Parking Information:**

**Metered Street Parking**

**Pohukaina Street - 2 Hours**

**Cooke Street - 1 Hour**

**(Tow Away Zone from 3:30 pm)**

**Public Parking Garage**

**Kauhale Kakaako at 860 Halekuanwila Street**