

# NEW DAY IN HAWAII



STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION

**Aiea-Pearl City Transportation Town Meeting**  
**Director Glenn Okimoto**  
**February 20, 2014**



## Aiea-Pearl City Transportation Town Meeting

# **PRESENTATION AGENDA**

### ■ Current Project Updates

- Aiea Erosion Control
- Kamehameha Hwy – Pavement Preventative Maintenance: Pali Momi Street to Aiea Stream Bridge
- Kahuapaani Street Resurfacing Salt Lake Blvd to Moanalua Freeway
- H-1 Rehabilitation Middle Street to Vicinity Ward Ave.
- H-1 Freeway PM Contraflow Lane Ph 2 Vicinity of Radford Drive to Waiawa Interchange





# Aiea Erosion Control



## SCOPE

Stabilization of the North bank of Aiea Stream using soil nailing and shotcrete

**CONTRACT AMOUNT \$1.9 M**

**ANTICIPATED COMPLETION TBD**





# Kamehameha Hwy - Pavement Preventative Maintenance Pali Momi Street to Aiea Stream Bridge



## **SCOPE**

Mill and fill 1.5 inches of asphalt from Pali Momi Street to Aiea Stream Bridge.

## **ESTIMATED COST**

\$600 Thousand

## **ANTICIPATE COMPLETION**

end of Feb 2014





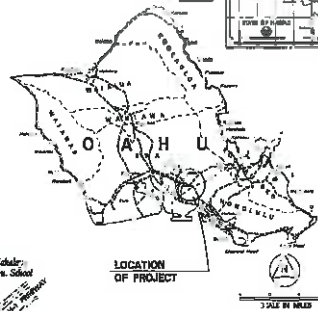
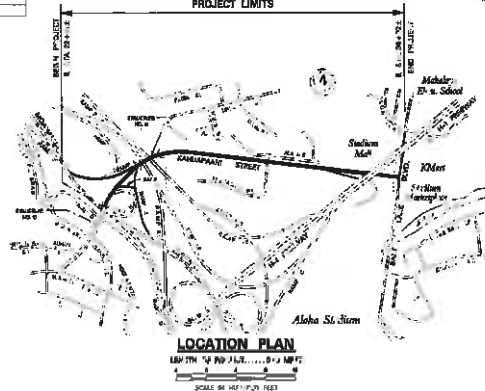
# Kahuapaani Street Resurfacing Salt Lake Boulevard to Moanalua Freeway

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	STANDARD PLAN SHEETS
3-4	GENERAL NOTES AND LEGEND
5-6	WATER POLYMER & BROOKS
7	CONTROL NOTES
8	SEWER EIGHT
9-10	UTILITY NOTES
11-12	CLIMATE MAP NOTES & DETAILS
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STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
HONOLULU, HAWAII

PLANS FOR  
**KAHUAPAANI STREET RESURFACING**  
MOANALUA FREEWAY TO SALT LAKE BOULEVARD  
FEDERAL-AID PROJECT NO. STP-7241(002)

DISTRICT OF EWA  
ISLAND OF OAHU  
PROJECT LIMITS



DATE	BY	CHK'D	APP'D	DATE
10/1/13	10/1/13	10/1/13	10/1/13	10/1/13
10/1/13	10/1/13	10/1/13	10/1/13	10/1/13
10/1/13	10/1/13	10/1/13	10/1/13	10/1/13
10/1/13	10/1/13	10/1/13	10/1/13	10/1/13

ADT (2013)	28,500
ADT (2015)	32,500
DM	2,700
K	8.5
D	66.42
T	2.3
T24	2.5

CLARIFICATION OF TRANSLATION	DATE
ATTACHED	
DATE OF TRANSMITTALS	DATE

**SCOPE**  
Resurfacing and some reconstruction

**CONTRACT AMOUNT** \$4.8M

**ANTICIPATED COMPLETION**  
Feb 28, 2014







# Interstate Route H-1 Rehabilitation Middle Street to Vicinity of Ward Avenue

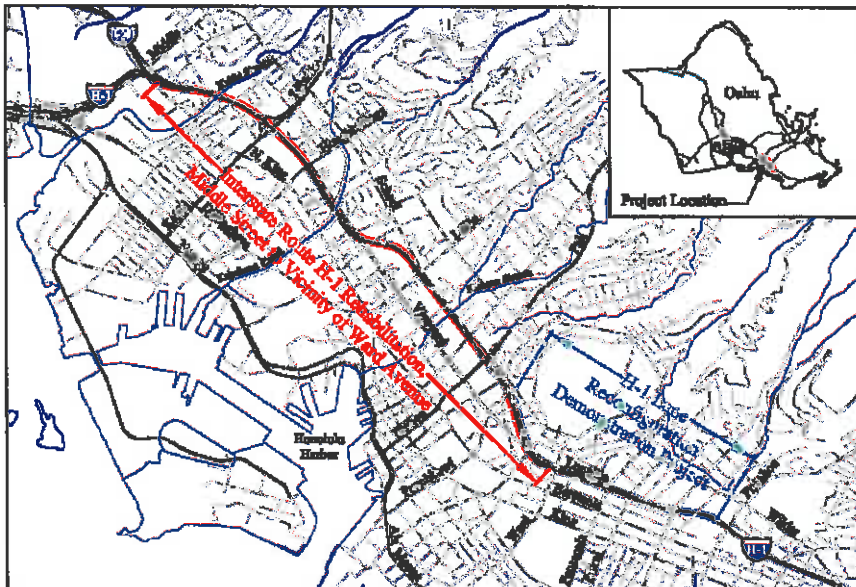


Figure 1: Project Location

Interstate Route H-1 Rehabilitation, Middle Street to Vicinity of Ward Avenue  
State of Hawaii Department of Transportation, Highways Division

For additional information, questions or comments, please visit our project website at: [www.h1rehab.com](http://www.h1rehab.com); Project information line: 735-7465

## SCOPE

Repair and restripe H-1 to add an additional lane to increase capacity

**CONTRACT AMOUNT** \$42.3 M

**ANTICIPATED COMPLETION**

July 2014









## Aiea-Pearl City Transportation Town Meeting

# **PRESENTATION AGENDA**

- **Current projects with future phases**
  - H-1 & H-2 Destination Sign Upgrades, Replacements
  - Freeway Management System – various projects





# Interstate Routes H-1 & H-2

## Destination Sign Upgrades, Replacements



### **SCOPE**

Replace and/or upgrade existing destination signs & sign support structures on Interstate Routes H-1 & H-2.

### **EST. COST**

PH2: \$4.2M

PH3: \$5.5M

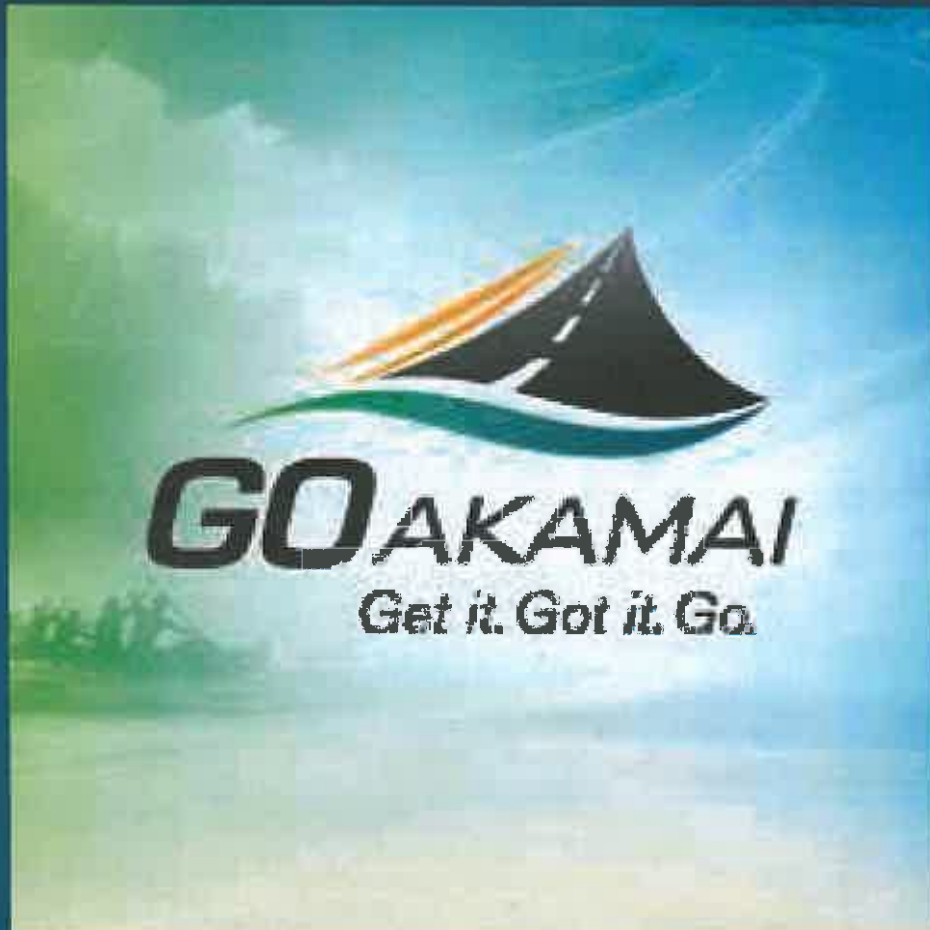
### **EST. SCHEDULE**

PH2: In construction

PH3: In design



# Freeway Management System (FMS)



**SCOPE** - Primary goals for HDOT's FMS program:

- Implement an interagency incident management program.
- Provide advanced traveler information.

**COST** - \$200 million.





# Incident Management Program & Interagency Coordination



- Freeway Service Patrol (FSP)
- Continue to work with Police, Fire, EMS and City & County of Honolulu Dept. of Transportation Services on incident management
- Joint Traffic Management Center

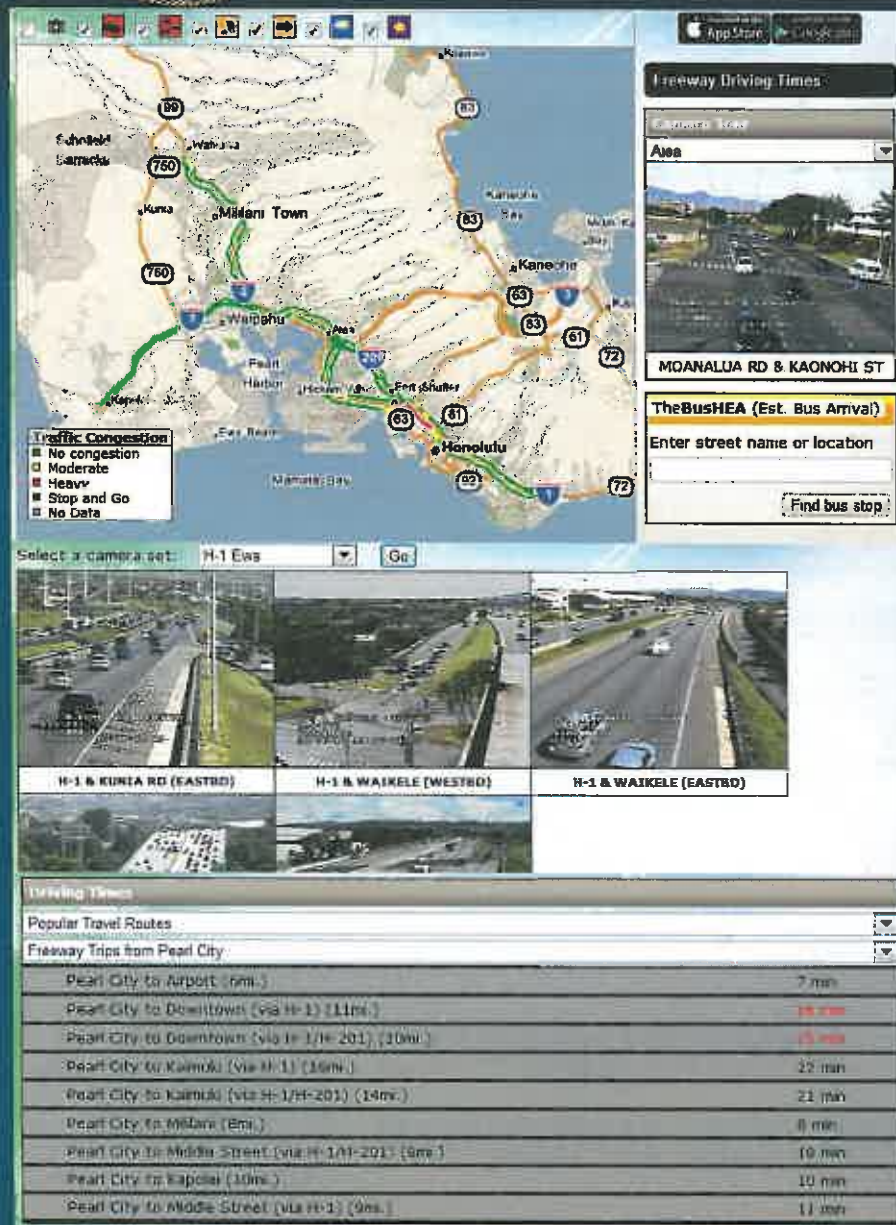


CTECC - Austin, Tx





# Advanced Traveler Information System – GoAkamai



- Provides 24/7 traffic congestion info for Oahu freeways
- Links over 200 traffic cameras for on-site snapshots around the island.
- Connects to bus transit, carpooling, roadwork, Freeway Service Patrol & other resources
- Freeway travel time information and mobile app launched in August 2013.
- [www.goakamai.org](http://www.goakamai.org)





# GoAkamai Advanced Traveler Information System – 511 Phone Hotline, Highway Signs



***Traffic, Travel and Transit Info***

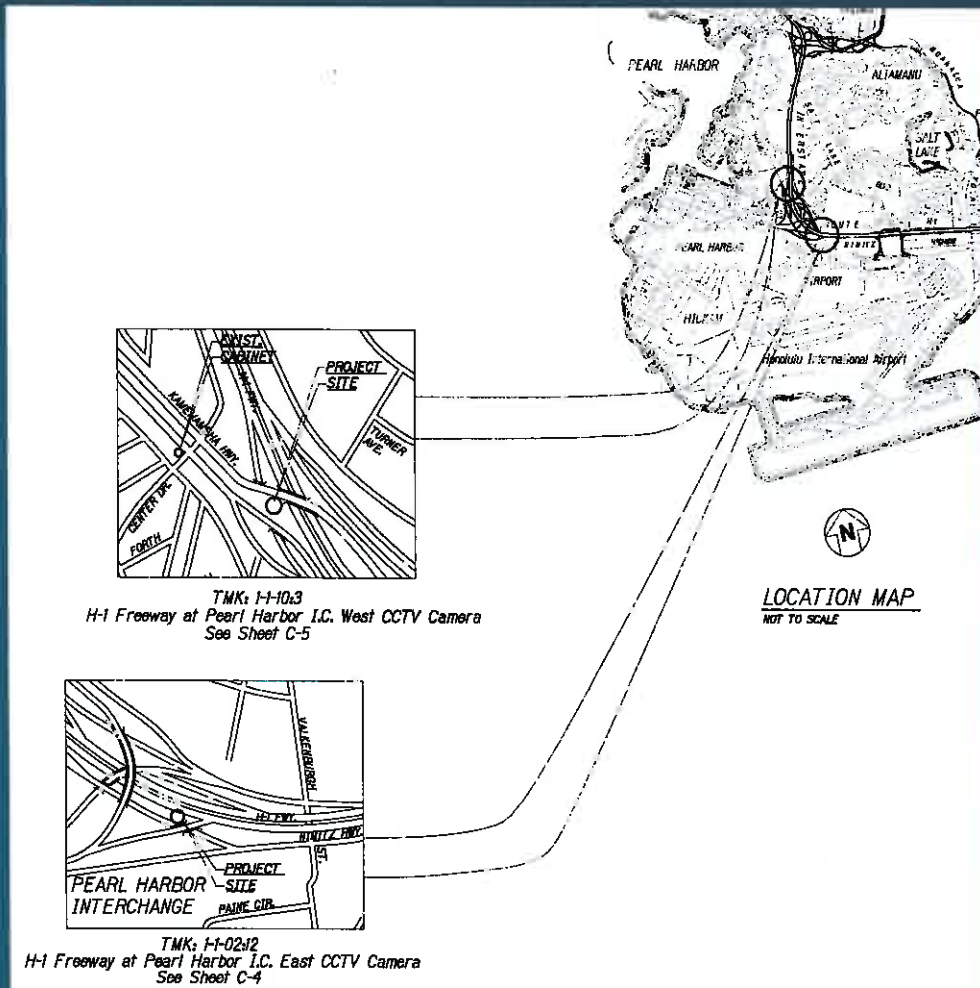


*\* Artist's Rendition:  
Design elements are subject to change.*

- Gives motorists real-time traffic info via phone and electronic dynamic message signs.
- Info will also be used by TV newscasts & radio traffic reports
- 511 automated phone system. System launched Sept. 2013
- Electronic Dynamic Message Signs – travel times are planned to be posted at Liliha St. and Kaamilo St.
- Gives motorists real-time traffic info via phone, internet & signs



# Freeway Management System Installation of CCTV at Pearl Harbor IC



**SCOPE** Installation of two pole mounted traffic cameras at the Pearl Harbor IC along with power and communication infrastructure.

**COST** \$1.3 Million

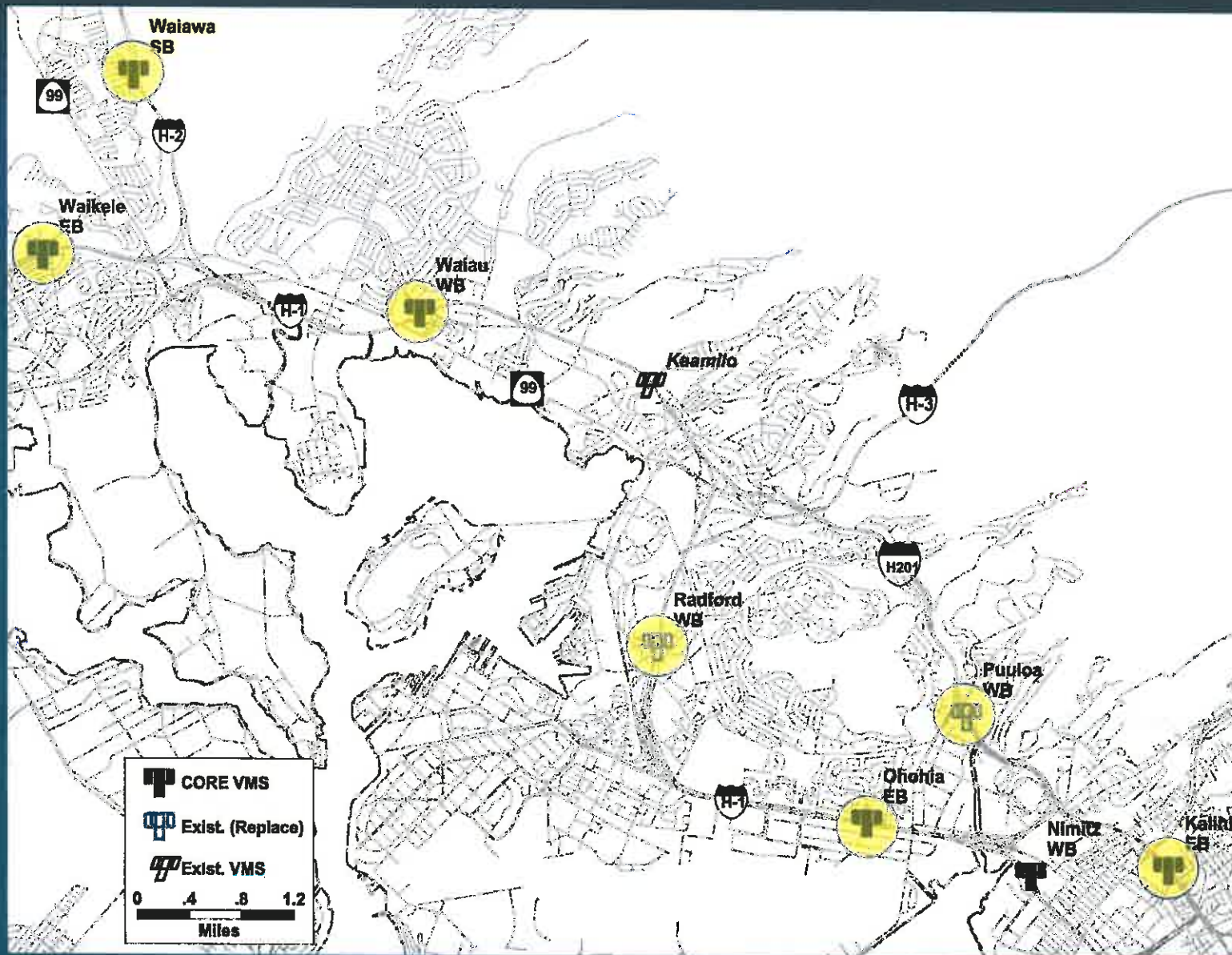
**ANTICIPATED COMPLETION** Feb 2014





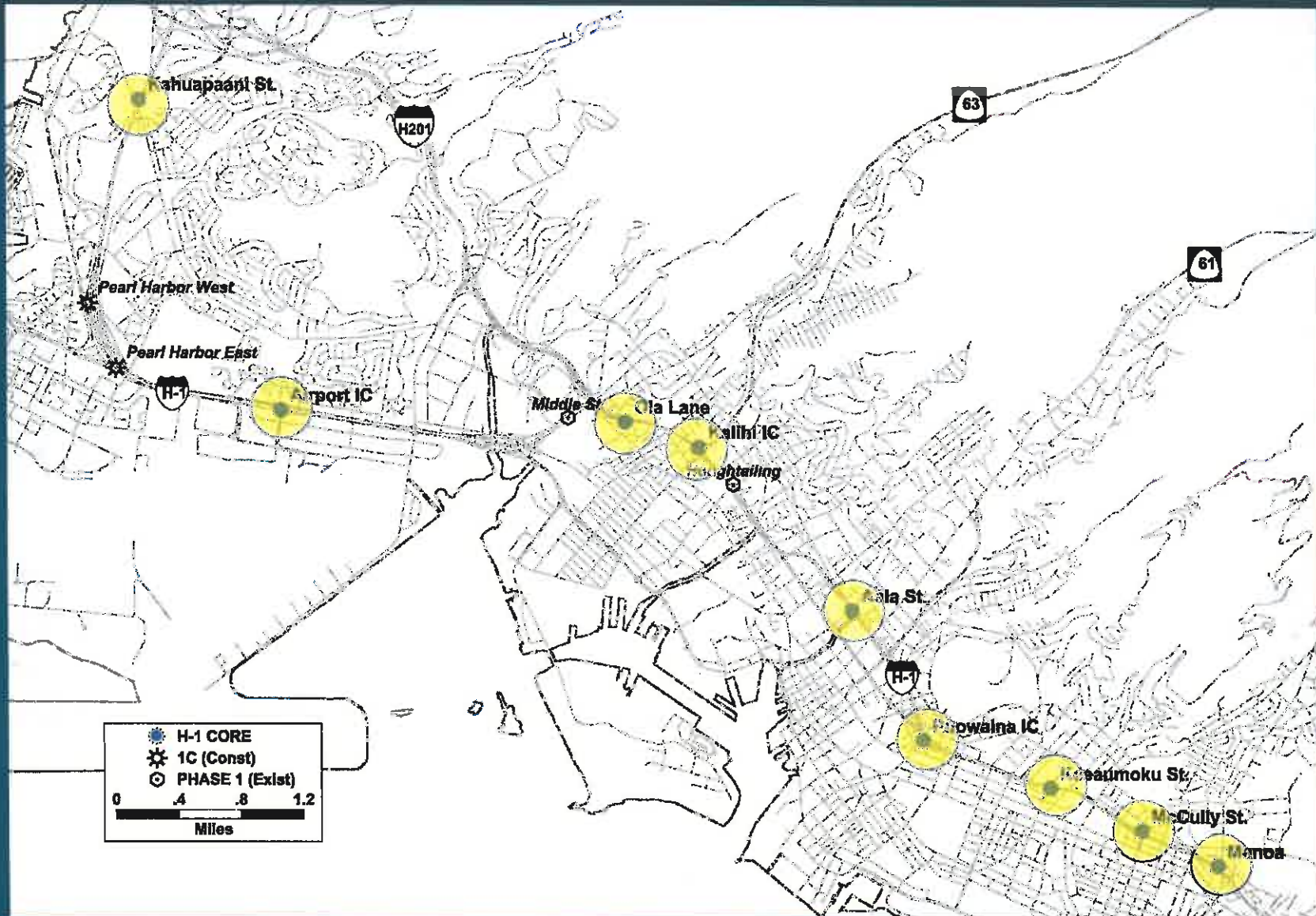


# Freeway Management System, H-1 Core Proposed VMS Locations





# Freeway Management System, H-1 Core Proposed CCTV Traffic Camera Locations







# Freeway Management System, H-1 Core Variable Message Signs and Traffic Cameras



Example VMS at  
Liliha Street  
Overpass

## **SCOPE**

Installation of additional Variable Message Signs and CCTV Traffic Cameras.

## **EST. COST**

\$14-15 Million

## **EST. SCHEDULE:**

Construction December 2014



Example Pole Mounted Traffic  
Camera at Red Hill

Source: Google Earth



## Aiea-Pearl City Transportation Town Meeting

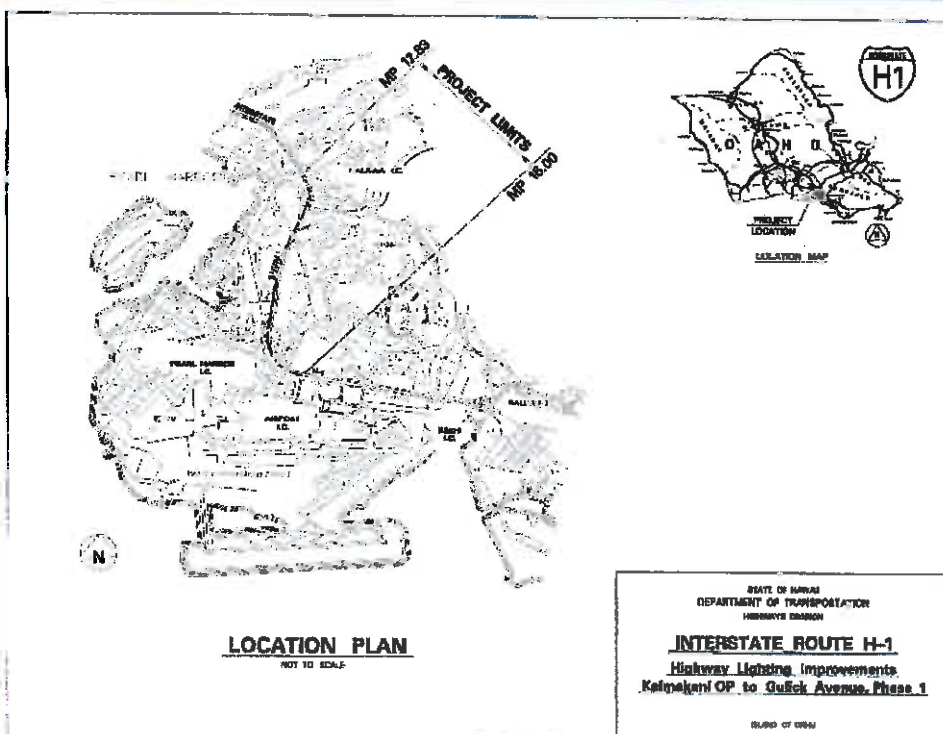
# **PRESENTATION AGENDA**

- Upcoming projects in the design phase
  - H-1 Highway Lighting Improvements, Vicinity Kaimakani Overpass to Vicinity of Gulick Overpass Phase 1
  - Moanalua Fwy Highway Lighting Improvements, Ph 1
  - Moanalua Fwy & H-2 Guardrail & Shoulder Improvements





# H-1, Highway Lighting Improvements, Vicinity of Kaimakani Overpass to Vicinity of Gulick, Phase 1



## SCOPE

Upgrade the lighting on the Interstate Route H-1, between M.P. 12.83 and M.P. 16.00, to meet current State, AASHTO and Federal standards.

## EST. COST

\$6.86 Million

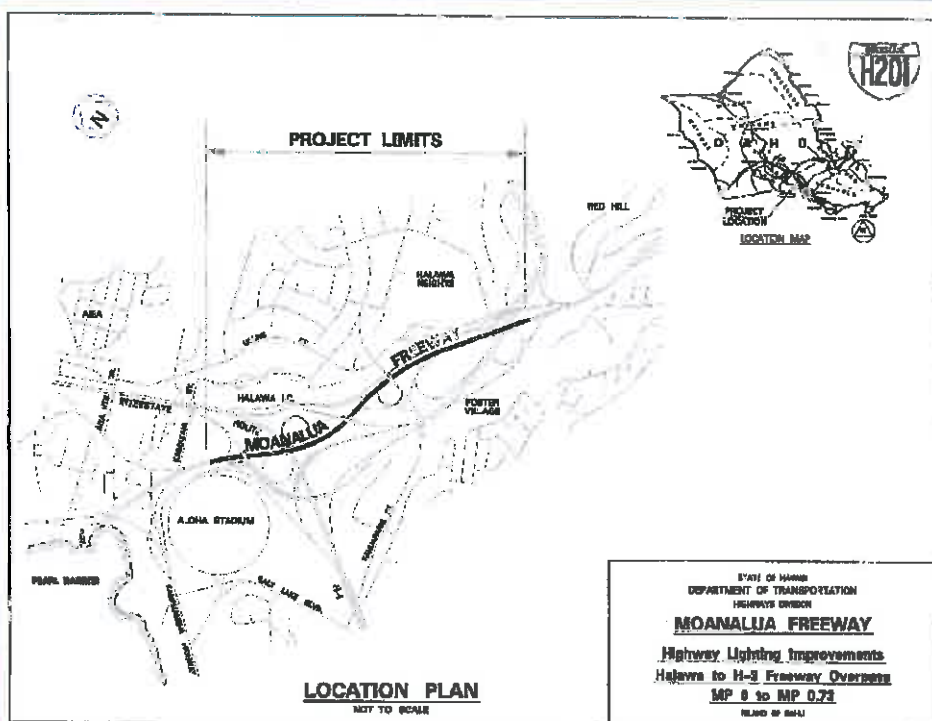
## EST. SCHEDULE:

Construction December 2015





# Moanalua Freeway (M.P. 0-0.73) Highway Lighting Improvements



## SCOPE

Upgrade the lighting on the Moanalua Freeway, Interstate Route H201, between the Aiea Interchange (M.P. 0.00) and the Halawa Interchange (M.P. 0.73) to meet current State, AASHTO and Federal standards.

## EST. COST

\$4.1 Million

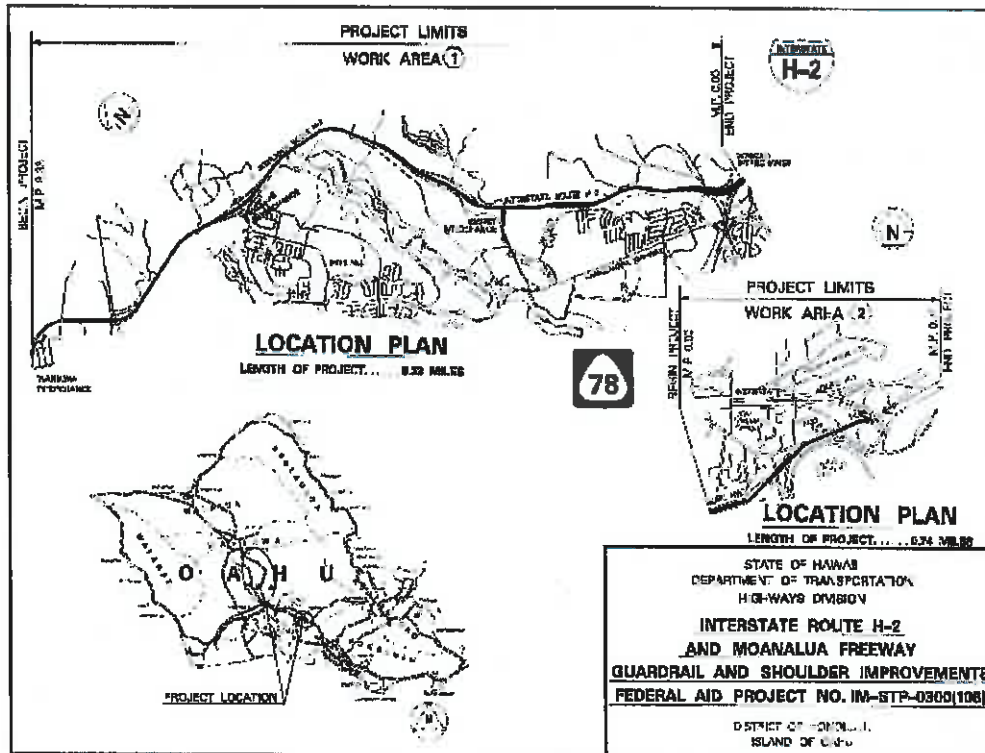
**EST. SCHEDULE:** December 2015







# Moanalua Freeway and Interstate Route H-2 Guardrail and Shoulder Improvements



## SCOPE

Replace/install guardrail and end treatments, shoulder erosion and drainage improvements.

## EST. COST

\$6.0 Million

## EST. SCHEDULE

December 2015





## Aiea-Pearl City Transportation Town Meeting

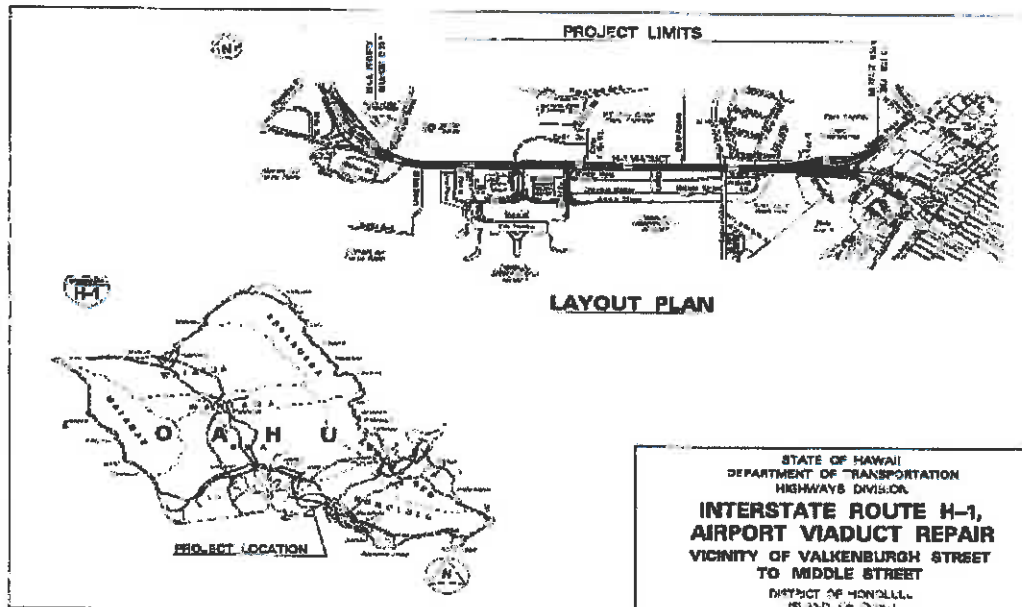
# **PRESENTATION AGENDA**

- Upcoming construction projects
  - H-1 Airport Viaduct Improvements Valkenburgh Street to Middle Street
  - Statewide Countdown Pedestrian Signal Head Upgrade Phase 2





# Interstate Route H-1 Airport Viaduct Improvements Valkenburgh Street to Middle Street



## **SCOPE**

Repair the concrete deck.

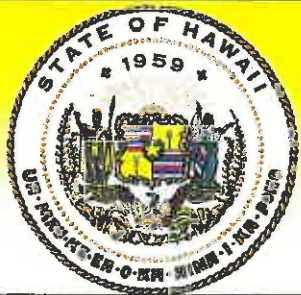
## **EST. COST**

\$16 Million

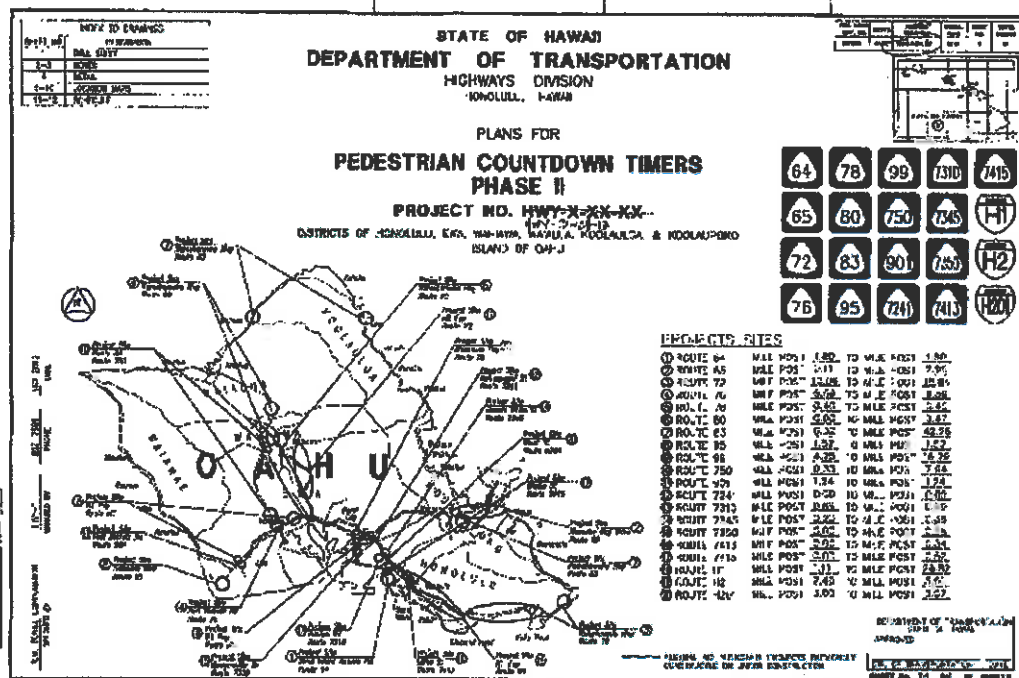
## **EST. SCHEDULE:**

Construction to start April 2014





# Statewide Countdown Pedestrian Signal Head Upgrade – Phase 2



## SCOPE

Existing Pedestrian Heads (showing "hand" and "man" symbols) will be replaced with countdown timers at signalized intersections.

## EST. COST

\$0.35 Million

**EST. SCHEDULE:** Advertise May 2014







## Highway Maintenance

# CONTACT INFORMATION

- **Report Potholes, Graffiti, Hazards**
  - Highways Division Maintenance Hotline: 831-6714
- **Questions & Concerns**
  - DOT Community Affairs Office: 587-2160
  - E-mail: [dotpao@hawaii.gov](mailto:dotpao@hawaii.gov)



DEPARTMENT OF TRANSPORTATION  
STATE OF HAWAII



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MAHALO AND ALOHA