Honolulu High-Capacity Transit Corridor Project
Alternatives Analysis

Community Update Meeting 8
Summary Report

April 6, 2007

Prepared for:
City and County of Honolulu

Prepared by:
Parsons Brinckerhoff Quade & Douglas, Inc.

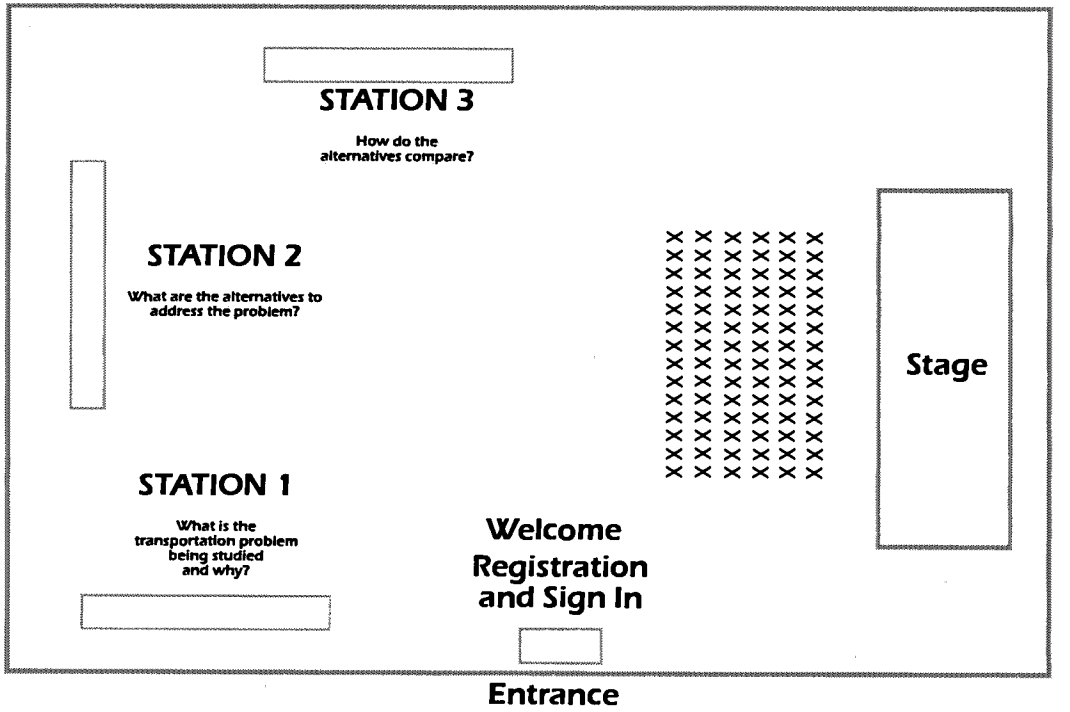
The eighth Community Update meeting was held on Monday, September 18, 2006, at 7:00 p.m. at August Ahrens Elementary School Cafeteria. It was attended by approximately 25 people.

Attached is the meeting agenda, a copy of the PowerPoint presentation and a copy of the sign-up sheet.

COMMUNITY UPDATE AGENDA

Monday, September 18, 2006
7:00 p.m. - 8:30 p.m.
August Ahrens School Cafeteria

- 7:00 p.m. - 7:30 p.m.
  Registration
  Visit Stations
  Meet with Project Team
- 7:30 p.m. - 8:00 p.m.
  Formal Presentation
- 8:00 p.m. - CLOSING
  Visit Stations for Q & A



August Ahrens School Cafeteria Floor Plan

Honolulu On The Move

An Update on the Honolulu High-Capacity Transit Corridor Project

Community Update

September 18, 2006

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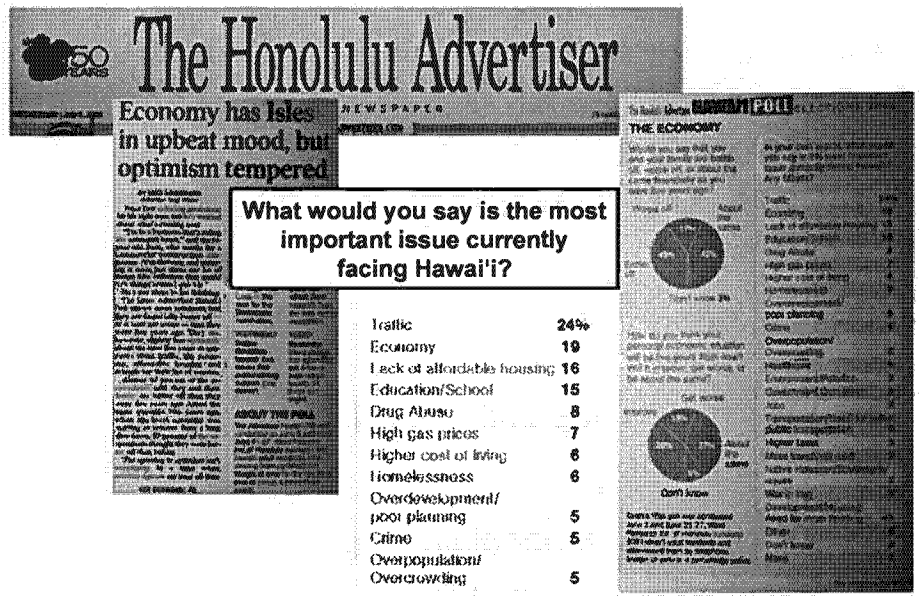
566-2299

Introduction

- Purpose
- Alternatives
- Comparisons of Alternatives
- Schedule

Mobility is Issue #1



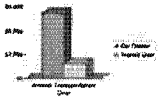
What would you say is the most important issue currently facing Hawai'i?

Traffic	24%
Economy	19
Lack of affordable housing	16
Education/School	15
Drug Abuse	8
High gas prices	7
Higher cost of living	6
Homelessness	6
Overdevelopment/ poor planning	5
Crime	5
Overpopulation/ Overcrowding	5

Purpose and Need

IMPROVE RELIABILITY
FASTER
MORE RELIABLE
TRANSIT

PROVIDE AN
ALTERNATIVE
TO PRIVATE
AUTO

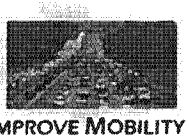


IMPROVE EQUITY

NEED

PURPOSE

MODERATE
TRAFFIC
CONGESTION

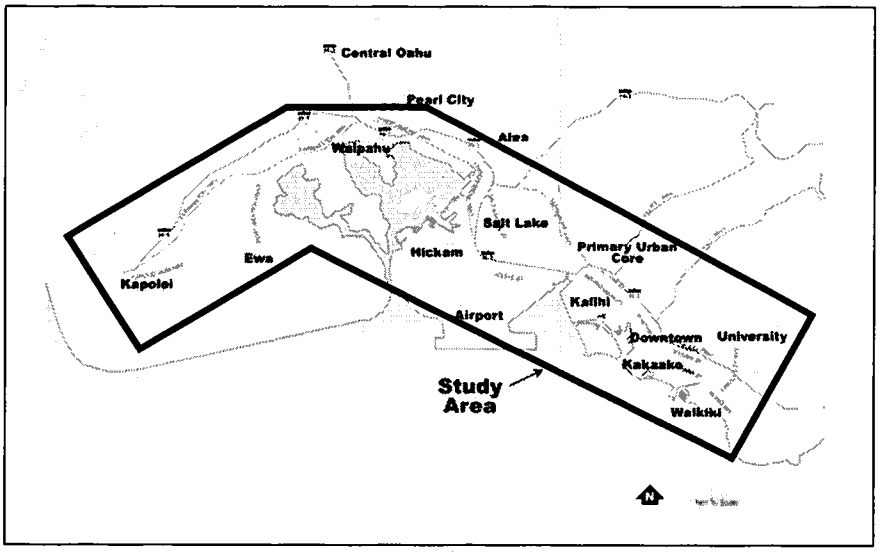


IMPROVE MOBILITY

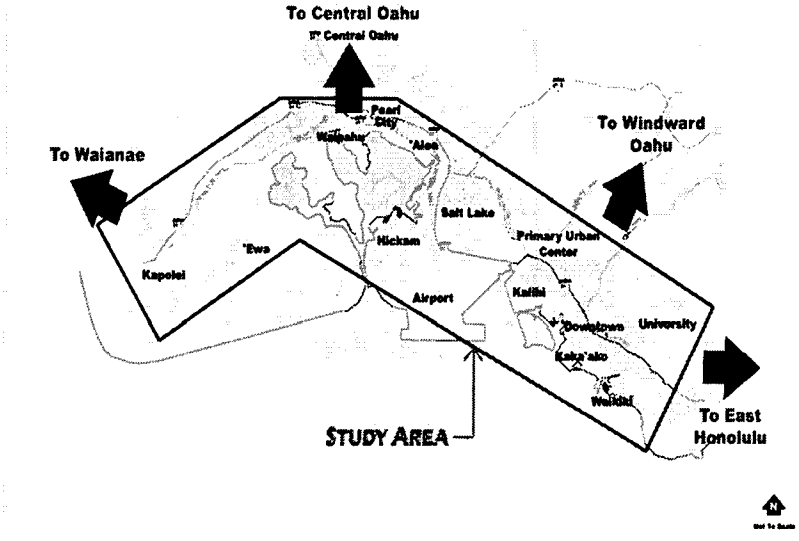
IMPROVE LINKAGES
Kapolei
UH Mānoa
Urban Center
Waikīkī

SUPPORT GROWTH

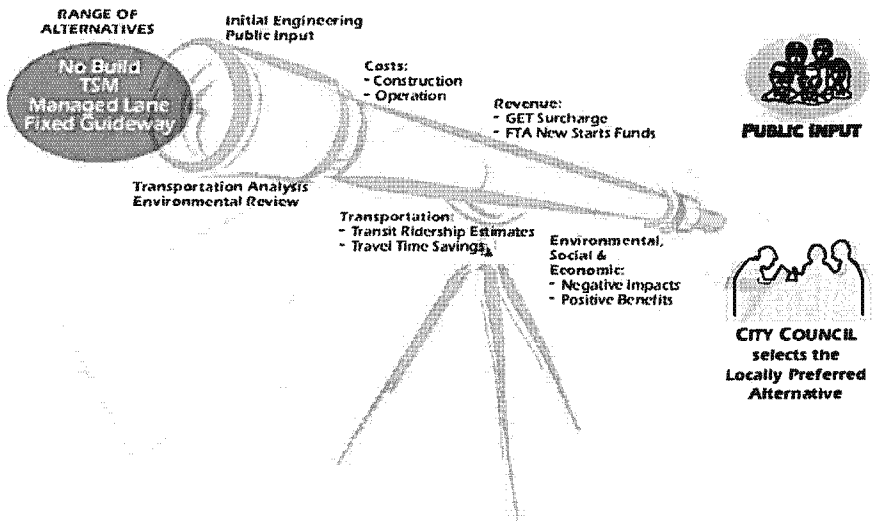
Where is the project corridor?



Are other areas served?



Alternatives Analysis



Four Alternatives

- No Build
- Transportation System Management (TSM)
- Managed Lane
- Fixed Guideway

Alternative 1: No Build Alternative

- Existing bus system, including currently programmed enhancements and expansion to support growth
- Projects included in the O'ahu Regional Transportation Plan

North–South Road

Fort Weaver Road widening

Farrington Highway widening

Leeward Commuter Ferry

H-1 Improvements:

Waiawa Interchange to Hālawa Interchange widening

H-1 HOV lanes (Makakilo to Waiawa)

Middle Street to Vineyard Boulevard widening

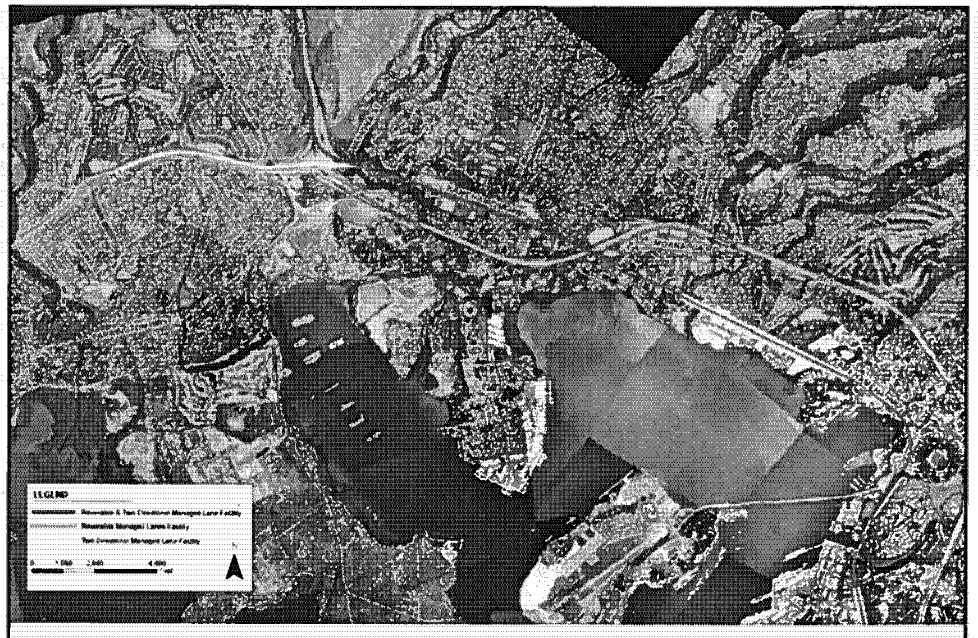
PM Zipper Lane

Alternative 2: Transportation System Management Alternative

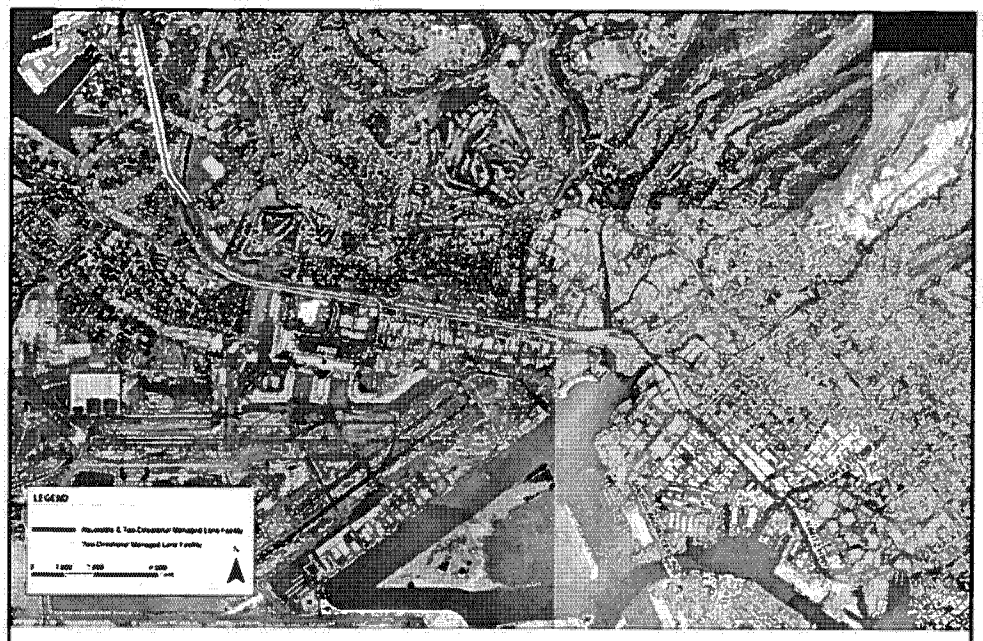
- Construction of new low-cost transit facilities:
  - Park-and-ride lots
  - Transit centers
- Expanded bus service
- Everything included in No Build

Alternative 3: Managed Lane Alternative

- Everything included in No Build
- Construction of a two-lane grade-separated roadway from Waipahu to Iwilei
- Two options:
  - Two-lane reversible
  - One-lane in each direction
- "Manage" use of lanes, to maintain free-flow speeds for buses
- Allow up to available capacity:
  - High-occupancy vehicles (HOVs)
  - Toll-paying single-occupant vehicles (with variable pricing)



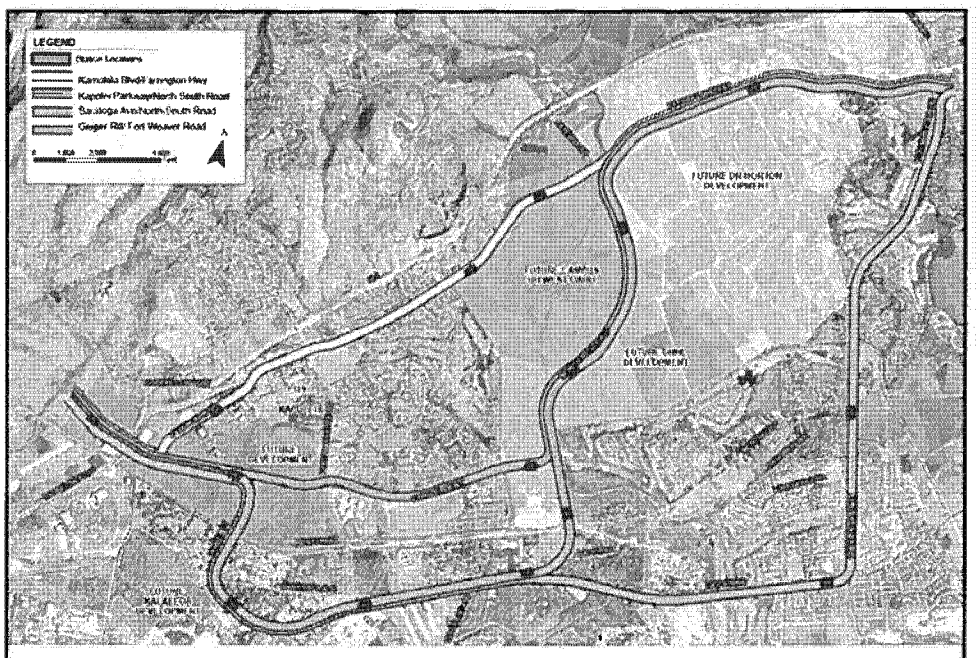
Alternative 3 –
Pearl City / 'Aiea



Alternative 3 –
Airport / Kalihi

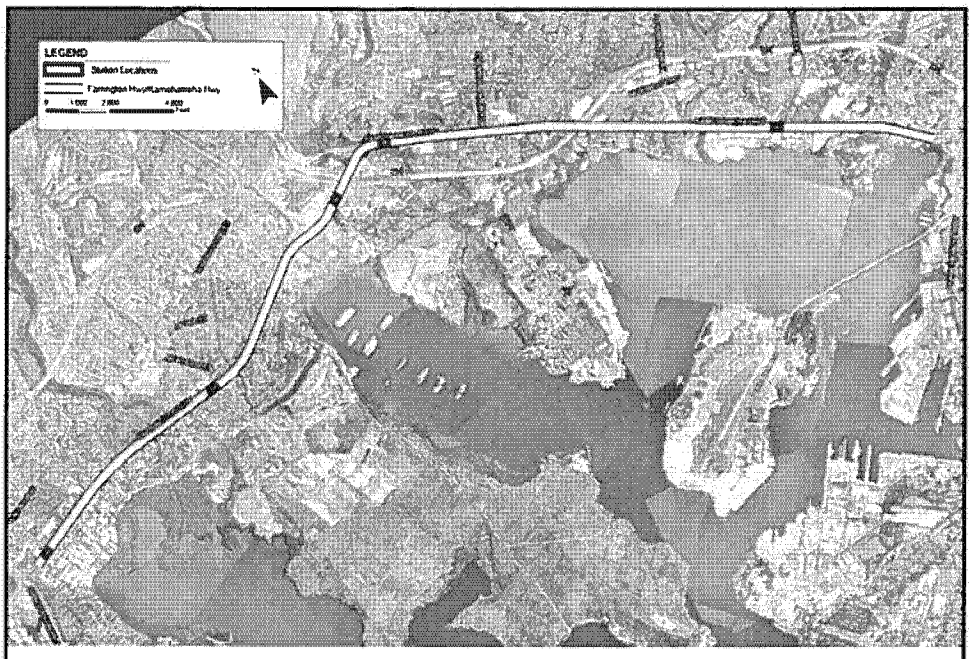
Alternative 4: Fixed Guideway Alternative

- Fixed guideway system
  - High Capacity
  - Reliable travel times
  - Integrated with bus, parking, bicycling and walking
- Multiple alignment options by geography
- Four technologies being considered



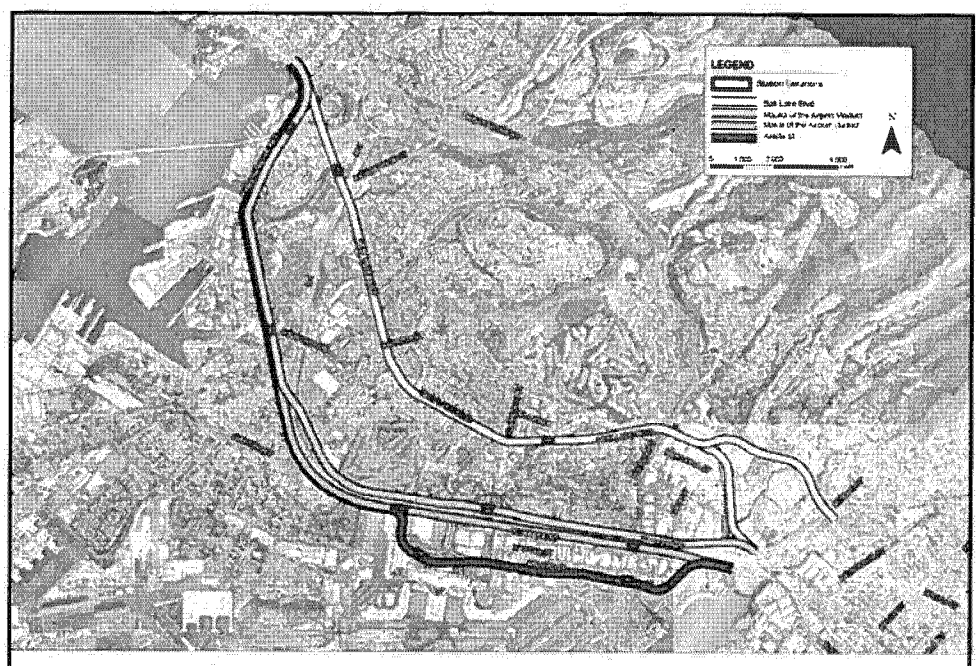
Alternative 4 – Section I

Kapolei / 'Ewa



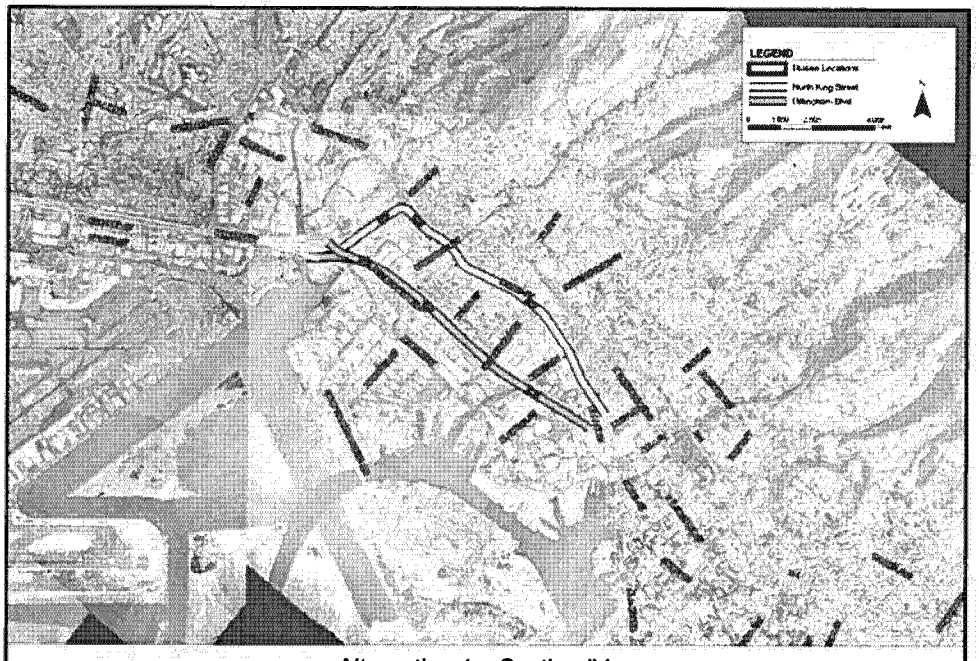
Alternative 4 – Section II

Waipahu / Pearl City / 'Aiea



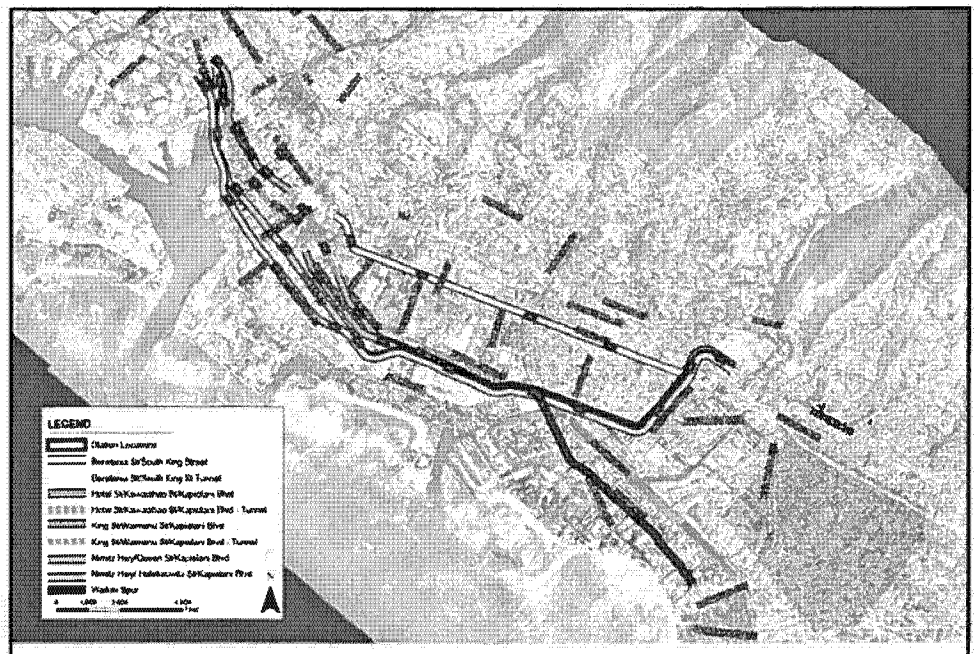
Alternative 4 – Section III

Pearl Harbor / Salt Lake / Airport



Alternative 4 – Section IV

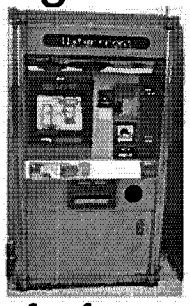
Kalihi / Iwilei



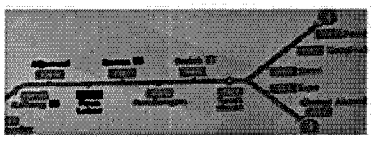
Alternative 4 – Section V

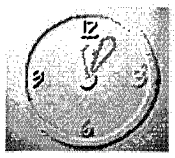
Downtown / Ala Moana / UH Mānoa

What are the details for fixed guideway operations?



- When will it run?
  - From 4 a.m. to midnight, every 3 to 10 minutes.
- How much will it cost?
  - Same as TheBus, can use a transfer from one to the other.
- What about bicycles?
  - Bicycles permitted during non-peak times.
- How fast will it be…

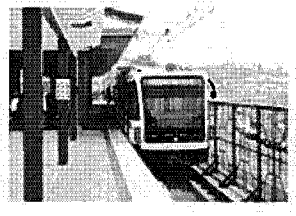




How long will it take?

From	To	Time	Current Bus Time
Kapolei	Downtown	~ 38 minutes	~ 60 minutes
Waipahu	Ala Moana Center	~ 28 minutes	~ 55 minutes
Pearl Highlands	Downtown	~ 22 minutes	~ 50 minutes
Airport	Waikīkī	~ 19 minutes	~ 50 minutes
UH Mānoa	Downtown	~ 10 minutes	~ 25 minutes

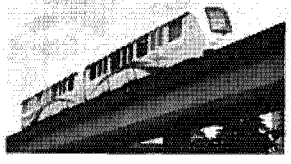
What transit technologies are being considered?



Light Rail

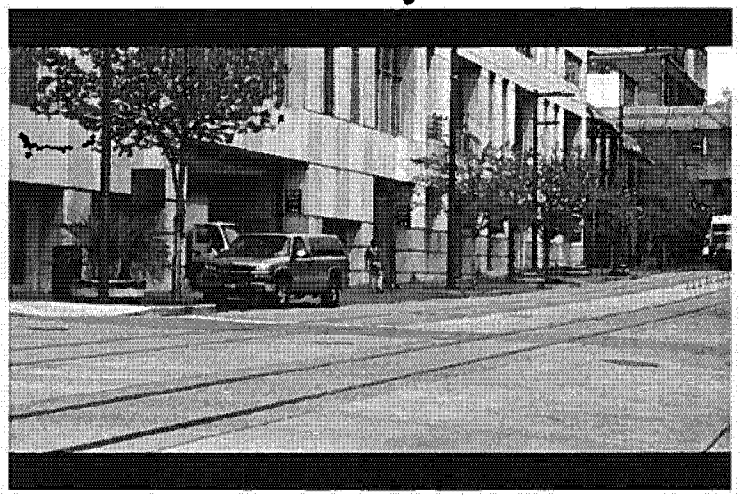
Monorail

Maglev



Rapid Rail

Fixed Guideway Alternative



Light Rail

Fixed Guideway Alternative

Monorail

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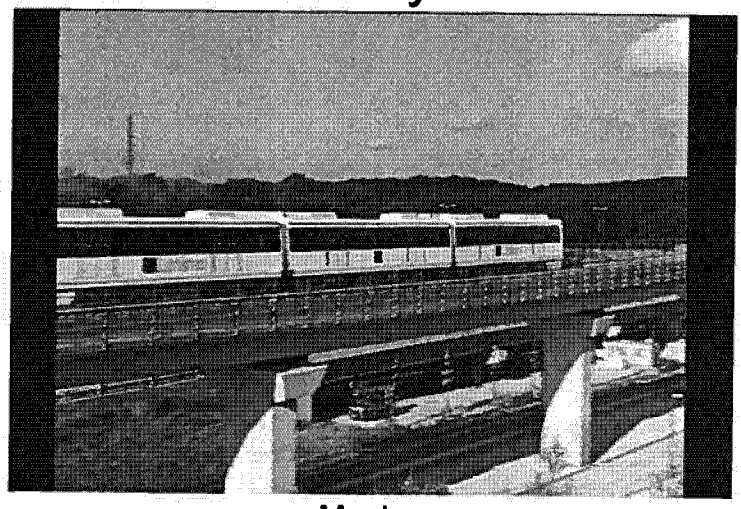
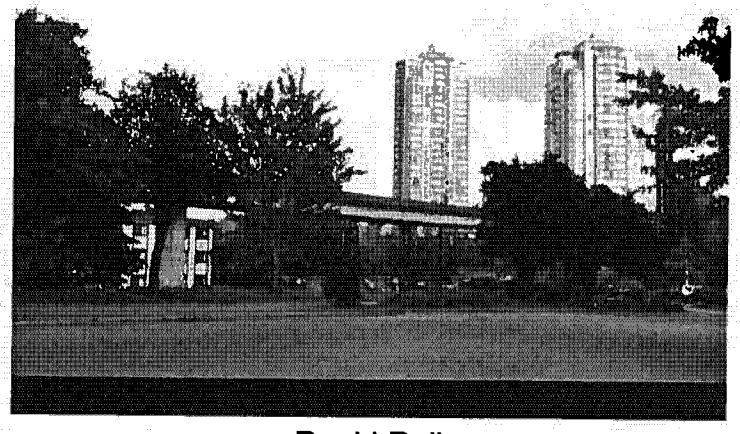


Maglev

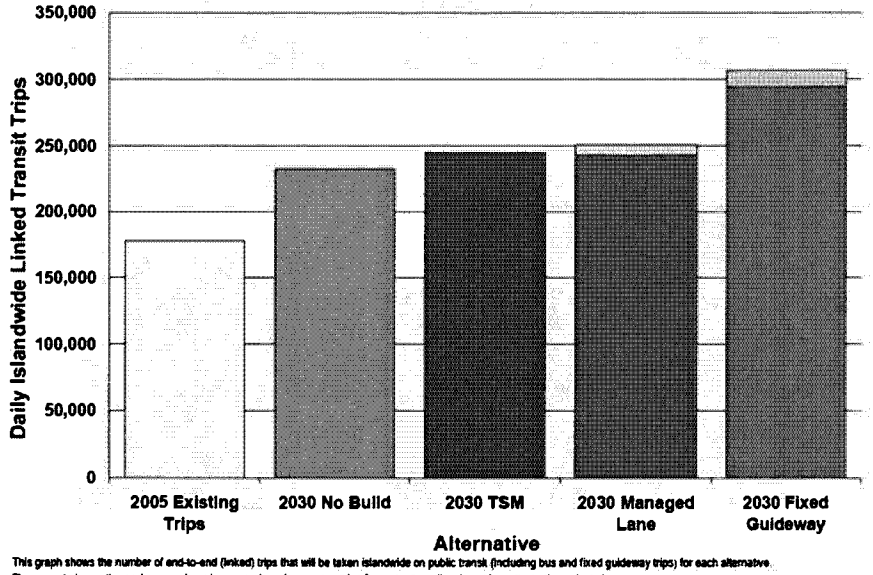
Fixed Guideway Alternative



Rapid Rail

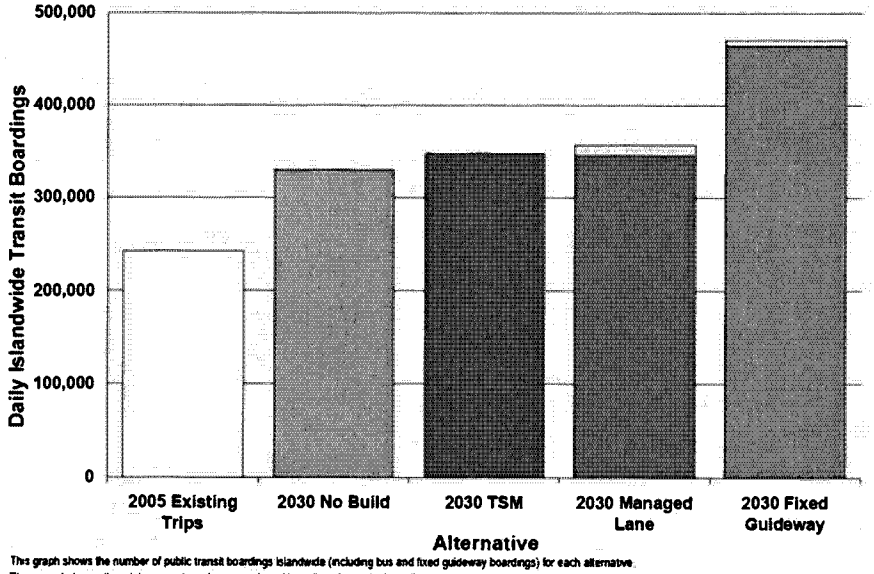
How do the alternatives compare?

How many trips will be on transit in 2030?



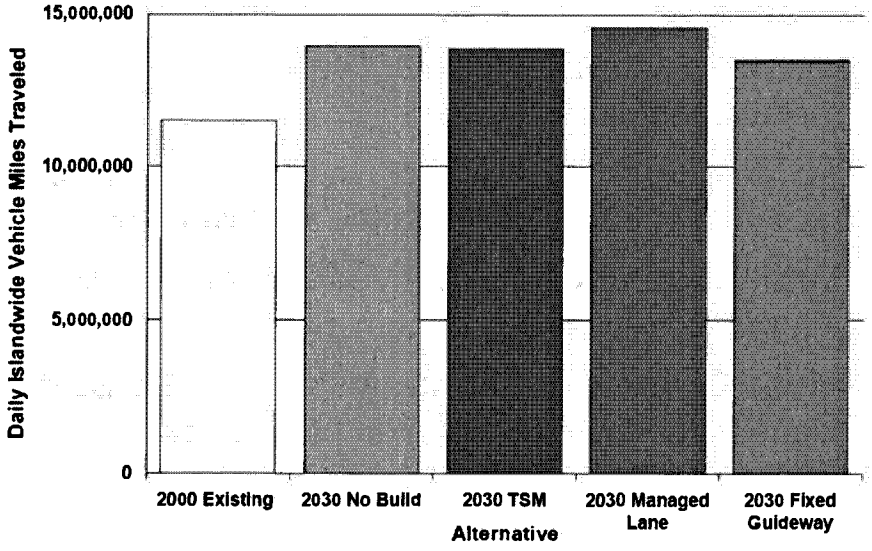
This graph shows the number of end-to-end (linked) trips that will be taken islanderide on public transit (including bus and fixed guideway trips) for each alternative.
The range between the minimum and maximum number of passenger trips for each alternative depends on the option selected.

Or we can look at transit boardings



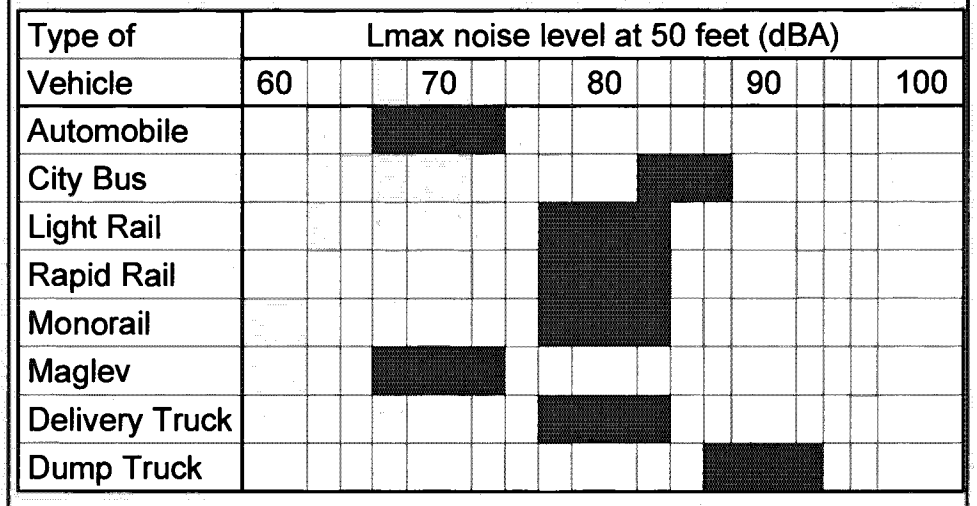
This graph shows the number of public transit boardings islandwide (including bus and fixed guideway boardings) for each alternative.
The range between the minimum and maximum number of boardings for each alternative depends on the option selected.

How much will people drive everyday?



This graph shows the projected islandwide daily vehicle miles traveled for each alternative.

How loud are the alternative technologies ?



Lmax is the maximum noise level when a single vehicle passes by.

What will the alternatives cost?

- No Build Alternative: $800 million in bus replacement costs
- TSM Alternative: Cost of No Build Alternative + less than $300 million in transit improvements
- Managed Lane Alternative: Cost of No Build Alternative + over $2 billion in project costs
- Fixed Guideway Alternative: Cost of No Build Alternative + over $3 billion in project costs

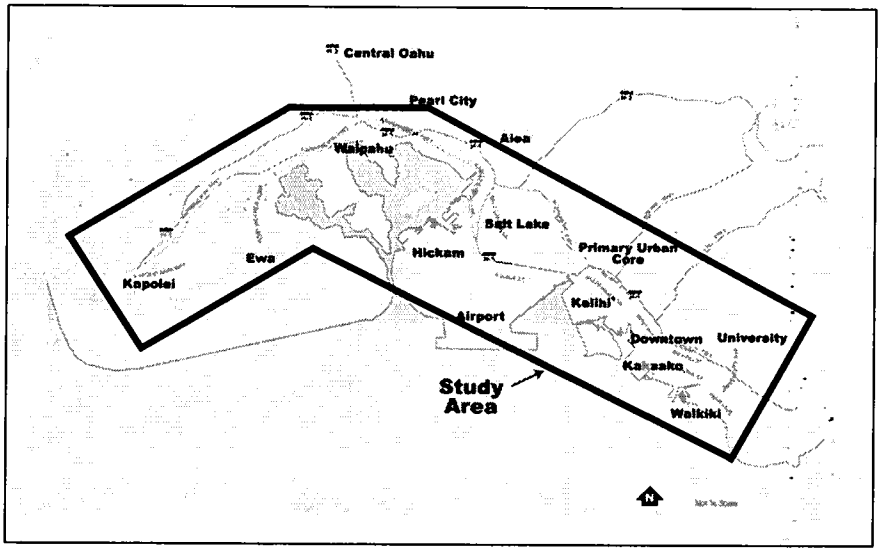
Is there a financially prudent first project?

The analysis should include options that:

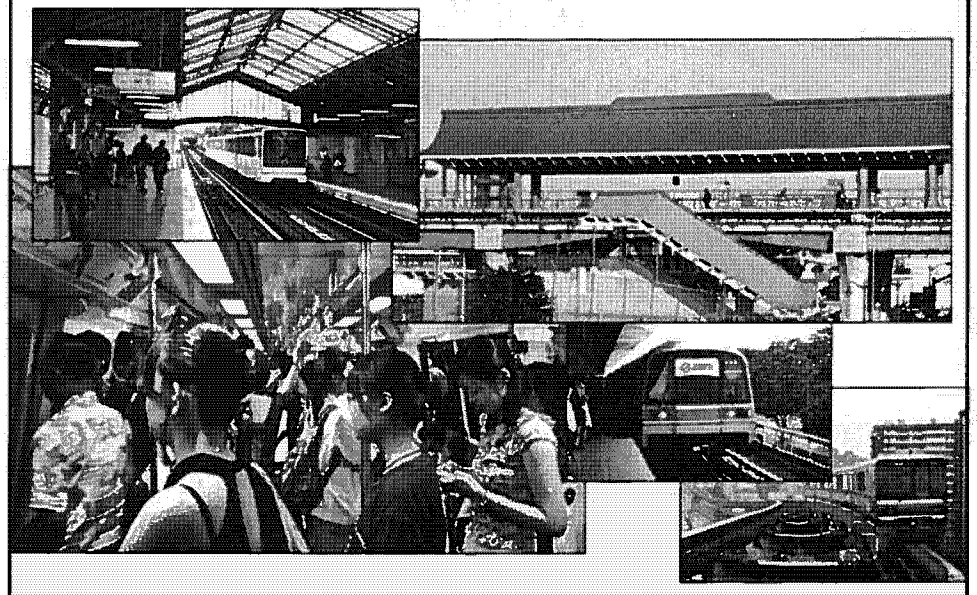
- are conscientious about expending taxpayer money
- provide substantial benefit within a limited cost
- Meet FTA guidance to consider a range of intermediate-cost alternatives

Define the first project as a portion of the corridor that best meets project goals and objectives with a project budget of about $3 billion.

What should the first project be?

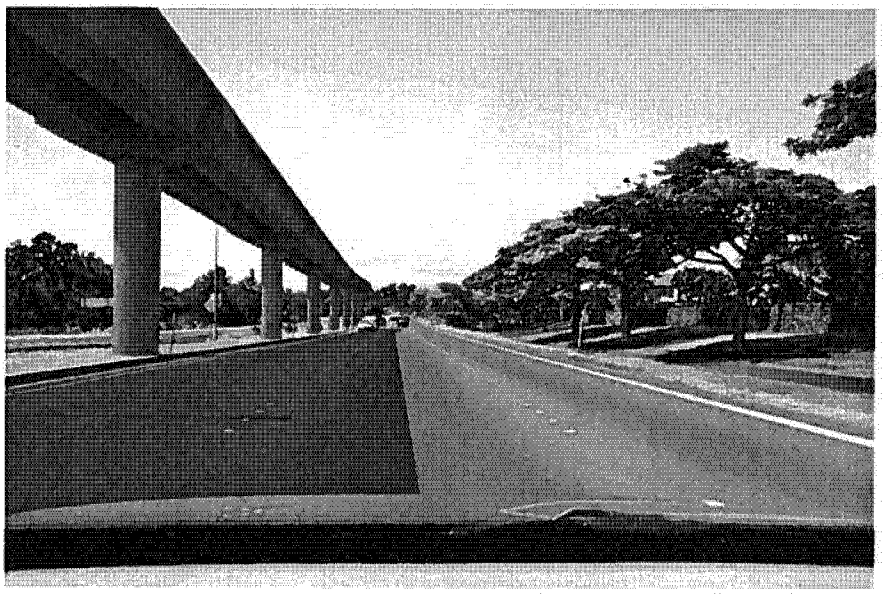


What would the alternatives look like?



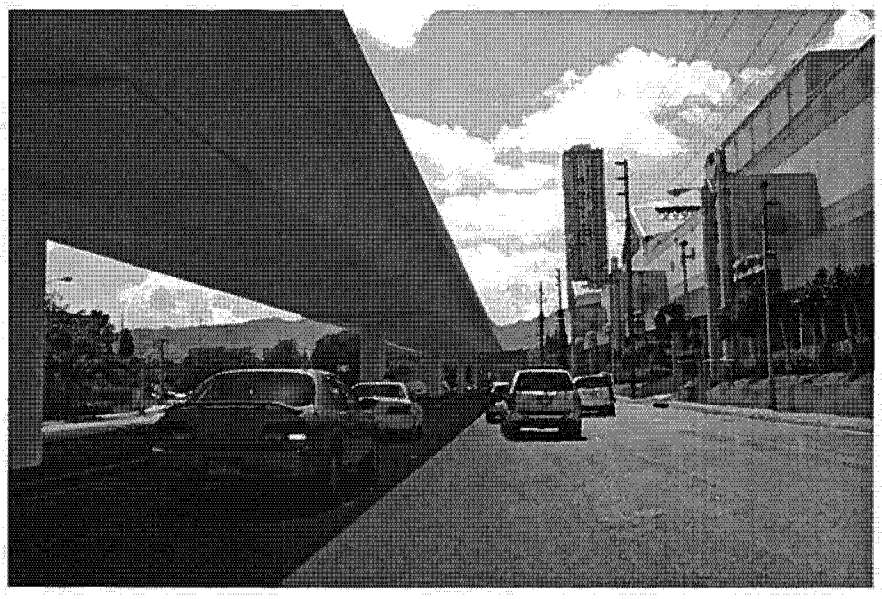
Existing View - Fort Weaver Road

Fixed Guideway (Fort Weaver Road Alignment) - Fort Weaver Road

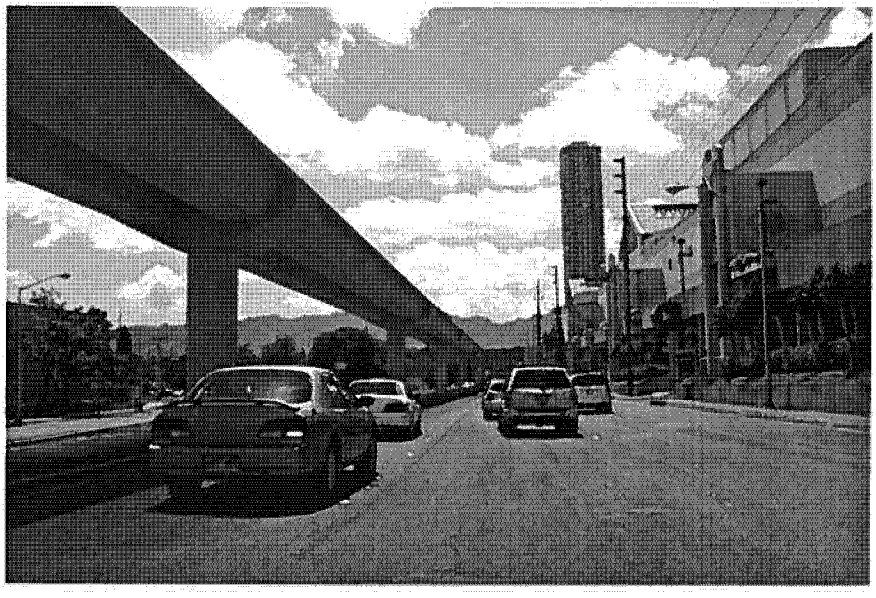


Existing View - Kamehameha Highway at Acacia

Managed Lane Alternative - Kamehameha Highway at Acacia



Fixed Guideway Alternative - Kamehameha Highway at Acacia



Existing View – Āliamanu Elementary School

Fixed Guideway (Salt Lake Alignment) – Āliamanu Elementary

Existing View – Kūhiō Avenue at Lili'uokalani (Waikīkī)

Fixed Guideway – Kūhiō Avenue at Lili'uokalani (Waikīkī)

September and October Community Updates

September 18, 12:00 noon	**U.H. Mānoa, Campus Center Ballroom**
September 18, 7:00 p.m.	**August Ahrens Elementary, Waipahu**
September 19, 7:00 p.m.	**Holomua Elementary, 'Ewa**
September 20, 7:00 p.m.	**Alvah Scott Elementary, 'Aiea**
October 24, 7:00 p.m.	**He'eia Elementary, Kāne'ohe**
October 30, 7:00 p.m.	**Nānāikapono Elementary, Nānākuli**

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Schedule

December 2005	Scoping Meetings - Completed
January 2006-October 2006	Technical Studies and Public Outreach
November 2006	Issue Alternatives Analysis Report
November/December 2006	Public Hearing on Alternatives Analysis
December 2006	City Council selects Locally Preferred Alternative

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Get Involved

- Receive mailings
- Visit www.honolulutransit.org
- Call 566-2299
- Stay informed with *accurate* information

The Honolulu High-Capacity Transit Corridor Project

Project Contact Sign-up

	NAME	COMPANY/ ORGANIZATION	MAILING ADDRESS	EMAIL ADDRESS
E	HARRY WILLIAMS	WAIPAHU NB	94-455 KAHUALENA ST WAIPAHU HI 96797	
?	Katsuji Sakumoto	Resident	94-1324 Hualani St Waipahu HI 96797	
E	Richard Oshiro	WAIPAHU NB	94-1046 HAALAN St WAIPAHU 96797	
d.rey	Lonnie Heralga	Garcia's Office	Honolulu Hale Rm 401	
E	ROGER HOUSE	NAVFAC HAWAII	PO. BOX 700446 Kapolei 96709	
E	IRVIN KOMAMURA		94-418 KAHUANANI ST WAIPAHU 96797	
d.rey	JOHN GALLAGHER		91-893 NOHOLIHOPUKA PL EWA BEACH 96706	
E	MAUDE TANAKA	COLLEGE GARDENS ADAD		m-tanaka@hawaiiantel.net
d.rey	DANIEL MITA	—	91-204 OPIO PL KAPOLEI, HI 96707	danlm2@hawaiiantel.net
E	Maureen Andrade	President Village Park Comm Assoc. Honl Mayors Office		mandrade1@honolulu.gov

Date: 9/18/06

August Afrens
Waipahu

Organization: Waipahu

The Honolulu High-Capacity Transit Corridor Project

Project Contact Sign-up

NAME	COMPANY/ ORGANIZATION	MAILING ADDRESS	EMAIL ADDRESS
w GEORGE YAKOWENKO	WAIPAHU NEIGHBORHOOD BOARD		HAWAIIYAKS@AOL.COM
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w Mike Dan		94-500 G. Kam Hwy Waipahu Hi. 96797	
nestor Nestor Garcia	City Council	94-593 Lumiaina St. Waipahu, HI 96797	garcia002@hawaii.rr.com
not ente. no entor address SONSON ALEX SONSON	STATE REP.	?	?
already resp. & RON BUNDA DARRLYN BUNDA	—	MILILANI P.O. Box 893854	darrb@lava.net
alrea. resp. (g) Clarence + Lynn Nishihara	State Sen.	94-465 Loca St Waipahu	nishiharc003@hawaii.rr.com
Glenn Omilda ?			

Date: _____ Organization: _____

(Waipahu)