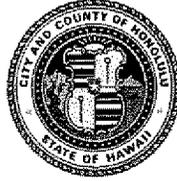


DEPARTMENT OF TRANSPORTATION SERVICES  
**CITY AND COUNTY OF HONOLULU**

650 SOUTH KING STREET, 3RD FLOOR  
HONOLULU, HAWAII 96813  
Phone: (808) 768-8305 • Fax: (808) 523-4730 • Internet: www.honolulu.gov

MUFI HANNEMANN  
MAYOR



MELVIN N. KAKU  
DIRECTOR

RICHARD F. TORRES  
DEPUTY DIRECTOR

November 27, 2006

TPD06-00588

RECEIVED

NOV 27 10 30 AM '06

CITY CLERK  
HONOLULU, HAWAII

The Honorable Donovan Dela Cruz, Chair  
and Members  
Honolulu City Council  
530 South King Street, Room 202  
Honolulu, Hawaii 96813

Dear Chair Dela Cruz and Members:

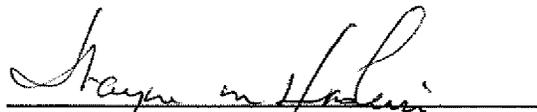
We are transmitting a copy of the report titled, "Oahu Transportation Study, November 2006." The report documents the method and results of the telephone survey conducted for the Honolulu High Capacity Transit Corridor Project.

The Council had requested a copy of the report at the Council meeting of November 15, 2006.

Sincerely,

  
MELVIN N. KAKU  
Director

APPROVED:

  
Wayne M. Hashiro, P.E.  
Managing Director

Enclosure

Dept. Com. No. 0952

OAHU  
TRANSPORTATION  
STUDY  
NOVEMBER 2006

HONOLULU  
LAS VEGAS  
NEW YORK  
GUAM

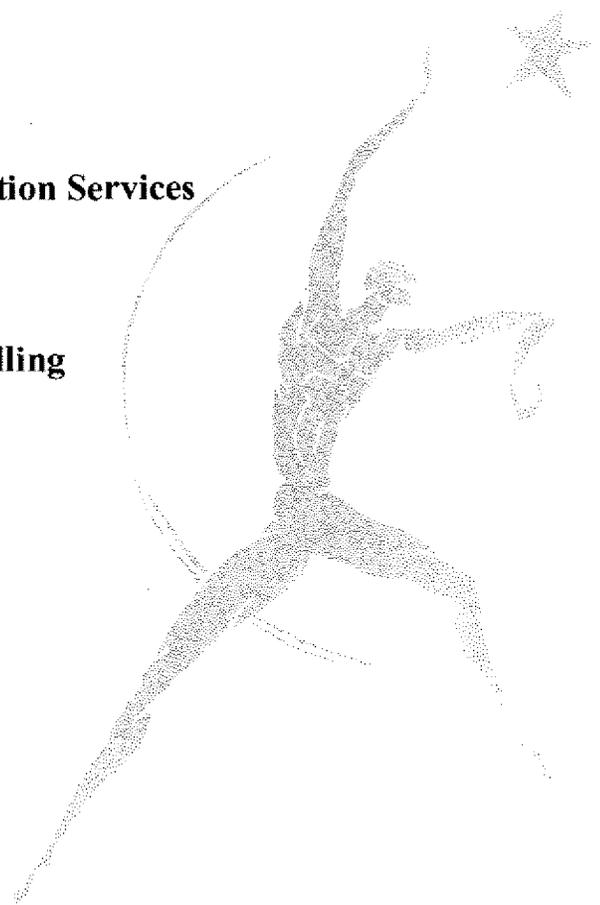


**Q MARK**  
RESEARCH & POLLING

**OAHU  
TRANSPORTATION  
STUDY  
NOVEMBER 2006**

**Prepared for:  
City Department of Transportation Services**

**Prepared by:  
QMark Research & Polling  
(414068)**





## **BACKGROUND AND METHODOLOGY**

The City Department of Transportation Services has contracted QMark Research & Polling to conduct a quantitative study in the form of a telephone interview. A sample of 900 respondents on Oahu was quelled from QMark's Random Digit Dialing software beginning on October 27<sup>th</sup> and concluding on November 6<sup>th</sup>.

Respondents were screened to ensure they are at least 18 years of age, are full-time residents of the State of Hawaii and do not work in marketing, market research, advertising, public relations or for the City and County of Honolulu.

A sample of this size (n=900) has a margin of error of +/- 3.27 percentage points with a 95% confidence level.

The objectives of this research are:

- To gain insight into residents' current modes of transportation.
- To gain insight into residents' attitudes towards transportation options, including a rail transit system.
- To gauge residents' intent to use a rail transit system if built.
- To measure residents' awareness of the General Excise Tax increase to take effect in January 2007.



## **EXECUTIVE SUMMARY**

### **Preferred Option**

Rail (45%) is the preferred choice of a plurality of Oahu residents surveyed. This fact is true among each of the nine council districts tested.

### **Ridership**

Roughly half (49%) the respondents polled indicate they would use the rail system if it were available on Oahu. The numbers increase to 56% when ridership is calculated by household.

Many of the individuals interested in using rail are new to public transportation. Seventy percent who indicate they would use the new rail system on Oahu say they currently seldom, if ever, ride on TheBus. That is not to say, however, that rail would not be cannibalizing current TheBus users as 58% of this segment say they would also use the rail system.

### **Route**

Respondents are split as to the specific route they prefer of the two options presented to them. Forty-one percent would like to see the rail system end at Ala Moana at a projected cost of \$3 billion while 38% feel a route concluding at the University of Hawaii at Manoa at \$4 ½ billion would be preferred.

### **Political Issues**

Support of the rail system is not a political liability, in fact, most voters say they would be more likely to support a pro-rail candidate if anything.

Traffic is a clear concern among Oahu residents as 84% of those polled describe the Island's roads as seriously congested. Public perceptions regarding solutions to this problem does not appear to be getting better as 82% feel things will only worsen in the next 10 years.

### **Background**

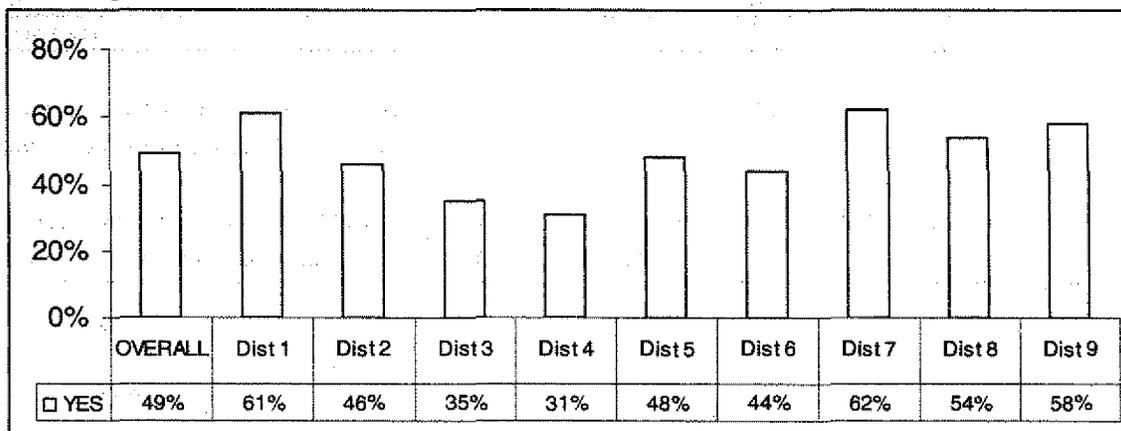
Seventy percent of Oahu residents say they drive to work or school. The average respondent says they spend 33.5 minutes commuting each way.



## SUMMARY OF FINDINGS

### RAIL USAGE

Each respondent was asked if they would personally use the rail system when and if it was completed.



Overall, roughly half (49%) the respondents polled indicate they would use rail if it were available to them. Potential ridership is highest in Council Districts 7 (62%) & 1 (61%) while at the opposite end possible usage is lowest in Districts 3 (35%) & 4 (31%).

- Among current TheBus users, 58% say they would use the rail system if it were available to them.
- Potential ridership is higher among younger respondents. Among those 18 to 34, 64% say they would use the rail system. This number falls to 51% among those 35 to 54 years of age and bottoms out at a respectable 42% among those 55 years of age and older.
- Among the major ethnic groups on the island Filipino (62%) respondents are the most likely to use the rail system. Roughly half the Caucasian (50%) and Hawaiian (47%) respondents would use the rail system while potential ridership is lowest among AJAs (39%).

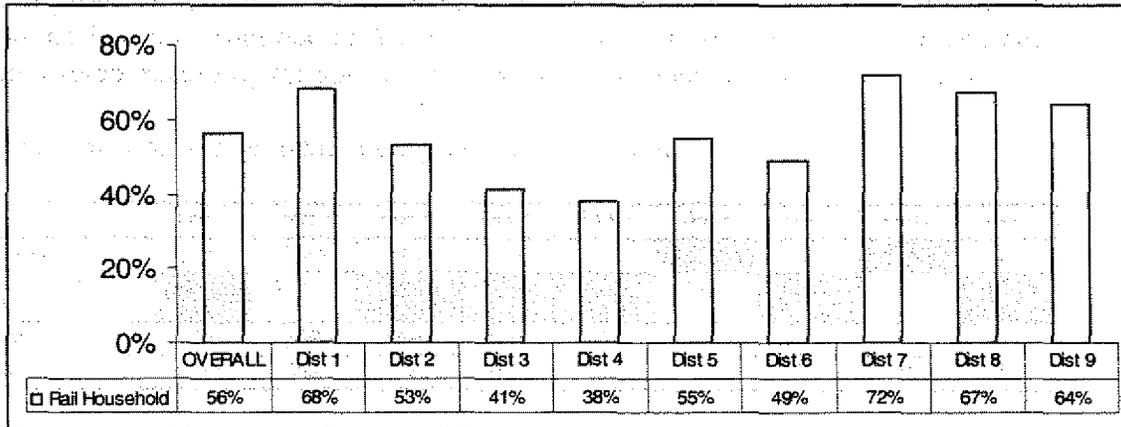


In order to further gauge potential ridership, each respondent was asked if there was anyone else in their immediate household who would use the rail system.

	OVERALL
Yes	47%
No	46%
Don't know	7%

Overall, forty-seven percent say there is someone other than themselves that live with them that would use the rail system.

When these last two questions are combined we have over half (56%) the households on Oahu with at least one likely rider of the rail system.



Overall ridership by household is highest in District 7 at 72% and lowest in District 4 at 38%.



### PREFERRED ROUTE

In this section of the research respondents were presented with two potential routes for the rail system.

	OVERALL
A route that goes from Kapolei to UH and has an approximate cost of 4 ½ billion dollars	38%
A route that goes from Kapolei to Ala Moana and has an approximate cost of 3 billion dollars	41%
Doesn't matter	14%
Don't know	7%

Overall, Oahu respondents are split as to the preferred route of the potential rail system. Forty-one percent prefer the Kapolei to Ala Moana route at a cost of \$3 billion while 38% would like it to continue on UH at a cost of \$4 ½ billion dollars. Fourteen percent are indifferent regarding the specific route while seven percent are currently undecided.

The table below highlights route preference by Council District.

	Dist. 1	Dist 2	Dist 3	Dist 4	Dist 5	Dist 6	Dist 7	Dist 8	Dist 9
Kapolei-UH	33%	33%	37%	30%	39%	42%	34%	55%	38%
Kapolei-Ala Moana	45%	32%	45%	41%	44%	38%	45%	33%	43%
Indifferent	12%	26%	15%	20%	10%	13%	13%	8%	12%
Don't know	10%	9%	2%	9%	8%	7%	8%	4%	7%

- Those respondents who say they personally would use the rail system are evenly split among the two routes. Forty-six percent of the riders prefer the UH option while 45% prefer the Ala Moana option.



**TRANSPORTATION OPTIONS**

In this section of the research respondents were presented with four potential options regarding what to do about Oahu’s traffic problem. The table below highlights the top choice for each respondent.

	<b>Top Choice</b>
A rail option which means building an elevated rail system from Leeward Oahu to Honolulu	45%
An option which focuses on replacing buses, highway construction, boosting efficiency of TheBus system and improving the zipper lane	21%
An option which focuses on expanding TheBus system and building a viaduct for use as a toll road	20%
A “no build” option which focuses on replacing buses and highway construction	5%
Don’t know	10%

The top choice among the four options given is the fixed rail system preferred by 45% of the Oahu residents polled. Ranking a distant second is the option of replacing buses, highway construction, boosting efficiency and improving the zipper lane preferred by 21%. Twenty percent would like to build a viaduct for use as a toll road. Just 5% see the “no build” concept as a viable first option.

Rail is the top choice in each of the nine Council Districts.

**GET INCREASE**

In this section of the research respondents were first asked if they were aware that the General Excise Tax will increase by ½% in January 2007. They were then asked if they were aware that this increase will be used to pay for the rail system.

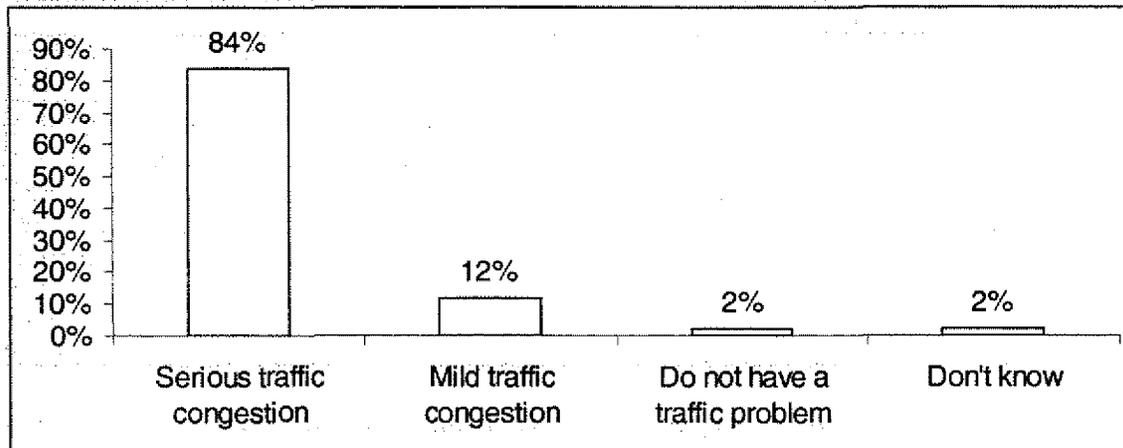
	<b>OVERALL</b>
Aware of GET increase in January 2007	70%
Aware GET increase will be used to fund rail	62%

A majority (70%) of the Oahu residents polled are aware of the increase in the GET coming in January 2007. Slightly fewer were aware that the increase is there to fund the rail system.



## OAHU TRAFFIC PERCEPTIONS

At the beginning of the study Oahu residents were asked for their thoughts on the Island's traffic situation.



Eighty-four percent of those polled acknowledge Oahu has serious traffic congestion. Twelve percent would classify the traffic on Oahu as "mild" while just two percent don't see a problem.

This perception holds true among all nine City Council Districts.

In order to further probe perceptions on this issue each respondent was asked for their prediction for Oahu's traffic situation over the next ten years.

	OVERALL
The traffic situation will improve	6%
The traffic situation will worsen	82%
The traffic situation will be about the same as it is now	9%
Don't know	3%

A solid majority (82%) of Oahu residents agree the traffic situation on Oahu will only worsen in the next ten years. Nine percent feel there will be no change in this area while six percent actually believe things will get better during this timeframe.

These perceptions hold true among respondents in all nine City Council Districts.



## BACKGROUND INFORMATION

In this section of the research we examine commuting habits of respondents on Oahu.

	OVERALL
Drive own vehicle (auto/ motorcycle)	70%
TheBus	11%
Do not work or attend school	11%
Work from home	2%
Walk	2%
Other	2%
Carpool	1%
Bicycle	1%
Moped	0%
Refused	0%

A majority (70%) of Oahu respondents commute everyday to work or school using their own automobile or motorcycle. Eleven percent commutes using TheBus. No other single mode of transportation was mentioned by more than 5% of the overall sample.

Next, those respondents who indicated to commuting to work or school in the question above were asked to estimate their average commute time each day in minutes. The table below provides the mean or average number of minutes.

	Overall	Dist. 1	Dist 2	Dist 3	Dist 4	Dist 5	Dist 6	Dist 7	Dist 8	Dist 9
Avg Minutes	33.5	49.5	35.8	31.2	25.9	23.0	24.6	30.7	33.6	44.6

Overall, the average respondent who commutes each day spends 33.5 doing so. Average commute times ranged from a high of 49.5 minutes among those residing in Council District 1 to a low of 23.0 minutes for those in Council District 5.

- Average commuting times decline as respondents become more affluent. Among those living in households with combined incomes below \$50K/year, the average drive time is 36.2 minutes. This average declines to 32.3 minutes among those living in households earning anywhere from \$50K-\$75K and falls further to 30.5 minutes among those living in the upper income tier (\$75K+)



## BUS RIDERSHIP

Each respondent was asked how often they utilized the City's bus system.

	Overall	Dist. 1	Dist 2	Dist 3	Dist 4	Dist 5	Dist 6	Dist 7	Dist 8	Dist 9
Once/twice month	8%	9%	5%	14%	7%	7%	12%	3%	6%	7%
Once a week	2%	3%	2%	1%	2%	6%	2%	5%	-	-
2-3/ week	4%	6%	4%	7%	1%	5%	6%	-	3%	3%
4+/ week	11%	12%	9%	9%	5%	19%	19%	8%	8%	13%
Never/ Rarely	74%	70%	80%	69%	84%	63%	61%	83%	82%	77%
Don't know	0%	-	-	-	2%	-	-	-	-	-

Overall, 26% of the Oahu residents polled use TheBus system at least once a month. Eight percent are occasional users riding once or twice a month while two percent say they ride at least once a week. Of the remainder, four percent say they ride TheBus two to three times a week while 11% ride four or more times each week.

When comparing ridership in each Council District we see numbers ranging from a high of 39% in Council District 6 to a low of 16% in Districts 4.

- Among those respondents who indicated they would use the rail system if built, 70% currently never or rarely use TheBus system.
- Ridership numbers are higher among less affluent respondents. Among those residing in households earning below \$50K/year, 36% are TheBus users. By comparison, this number drops to 11% among those in the upper income tier.



## PROFILE OF RESPONDENT

	OVERALL	RAIL USER	NON-USER	COMMENT
<b>PRIMARY RESIDENCE</b>				
Own	67%	61%	72%	Rail users are less likely to be homeowners
Rent	33%	39%	28%	
<b>AGE</b>				
18-34	15%	19%	10%	Rail user is younger on average by nearly six years compared to potential non-users
35-54	40%	42%	39%	
55+	41%	35%	46%	
MEAN	52.2	49.3	55.0	
<b>ETHNICITY</b>				
Caucasian	29%	29%	29%	Proportionally, AJAs make up a greater proportion of non-users while Filipinos make up a larger proportion of rail-users
Japanese	20%	16%	24%	
Hawaiian/ Part Filipino	16%	15%	17%	
	13%	17%	10%	
<b>HOUSEHOLD INC</b>				
Less than \$25K	10%	11%	9%	
\$25K-\$50K	24%	25%	23%	
\$50K-\$75K	16%	16%	16%	
\$75K-\$100K	11%	11%	11%	
\$100K+	16%	18%	14%	
<b>GENDER</b>				
Male	51%	53%	50%	
Female	49%	47%	50%	



Q MARK  
RESEARCH & POLLING

## APPENDIX





**QMARK  
RESEARCH & POLLING**

**Oahu Transportation Survey  
QMark Research & Polling  
November 2006**

Approval: BA \_\_\_ CK \_\_\_

ID # \_\_\_\_\_ (1)

**Council District** \_\_\_\_\_ (2)  
(Districts 1 to 9)

Interviewer \_\_\_\_\_

Date \_\_\_\_\_

Hello, I'm \_\_\_\_\_ from **QMark Research & Polling**. We are conducting a survey among Oahu residents. This survey asks residents for their opinions on transportation issues. May I speak to someone 18 years of age or older who lives in this household? **(REPEAT GREETING ONCE APPROPRIATE PARTY IS ON THE TELEPHONE.)**

**A. Are you or is anyone in your household employed in marketing, market research, advertising, public relations or for the City & County of Honolulu? [IF "YES", THANK AND TERMINATE, CODE ON CALL RECORD SHEET.]**

No

**THANK AND TERMINATE & CODE  
ON CALL RECORD SHEET**

Yes

**B. Are you a resident of Hawaii (lives in state at least 6 months out of year)? [IF "NO", THANK AND TERMINATE, CODE ON CALL RECORD SHEET.]**

Yes

**THANK AND TERMINATE & CODE  
ON CALL RECORD SHEET**

No

**Continue**

1 What mode of transportation do you primarily use to get to work or school? \_\_\_\_\_ (xx)

- 1 Drive own car or motorcycle
- 2 TheBus
- 3 Carpool with others
- 4 Walk
- 5 Bicycle
- 6 Moped
- 7 Other (specify \_\_\_\_\_)
- 8 Work from home (SKIP TO Q3)
- 9 Do not work or attend school (SKIP TO Q3)
- 10 Don't know/Refused

2 (IF WORK OR ATTEND SCHOOL, ASK:)

How long is your average commute time to school or work?

[ENTER '998' FOR DON'T KNOW]

minutes \_\_\_\_\_ (xx)

[ENTER '999' FOR REFUSED]

3 Considering all uses, how often, if at all, do you use TheBus? \_\_\_\_\_ (xx)

Would you say...

- 1 Once or twice a month
- 2 Once a week
- 3 2-3 times a week
- 4 More than 4 times a week
- 5 Never or Rarely
- 6 Don't know/Refused [DO NOT READ]

4 Which of the following statements best reflect your views on Oahu's traffic situation? \_\_\_\_\_ (xx)

- 1 We have serious traffic congestion
- 2 We have mild traffic congestion
- 3 We do not have a traffic problem
- 4 Don't know/Refused [DO NOT READ]

5 How do you see Oahu's traffic situation over the next 10 years? \_\_\_\_\_ (xx)

Would you say....

- 1 The traffic situation will improve
- 2 The traffic situation will worsen
- 3 The traffic situation will be about the same as it is now
- 4 Don't know/Refused [DO NOT READ]

If you were presented with the following solutions for improving the traffic situation on Oahu, which would you prefer? (READ LIST) \_\_\_\_\_ (xx)

- 1 A "No Build" option which focuses on replacing buses and highway construction
- 2 An option which focuses on replacing buses, highway construction, boosting efficiency of TheBus system and improving the Zipper Lane
- 3 An option which focuses on expanding the bus system and building a viaduct for use as a toll road
- 4 A rail option which means building an elevated rail system from Leeward Oahu to metro Honolulu
- 5 Don't Know (DO NOT READ) --→ SKIP TO Q8

And which solution would be your second choice? \_\_\_\_\_ (xx)

- 1 A "No Build" option which focuses on replacing buses and highway construction
- 2 An option which focuses on replacing buses, highway construction, boosting efficiency of TheBus system and improving the Zipper Lane
- 3 An option which focuses on expanding the bus system and building a viaduct for use as a toll road
- 4 A rail option which means building an elevated rail system from Leeward Oahu to metro Honolulu
- 5 Don't Know (DO NOT READ)

Regardless of which traffic solutions you just chose, I'd like to ask a couple of questions about rail...

Pretend the City Council decided on the Rail option, which of the following \_\_\_\_\_ (xx)  
two options would you prefer....

- 1 a route that goes from Kapolei to UH and has an approximate cost  
of 4 ½ billion dollars

OR

- 2 A route that goes from Kapolei to Ala Moana and has an  
approximate cost of 3 billion dollars?

- 3 Doesn't Matter/Don't Care  
4 Don't Know (DO NOT READ)

Do you think you personally would use the rail when it is completed? \_\_\_\_\_ (xx)

- 1 Yes  
2 No  
3 Don't Know (DO NOT READ)

Do you think someone else living in your household would use the rail when  
it is completed? \_\_\_\_\_ (xx)

- 1 Yes  
2 No  
3 Don't Know (DO NOT READ)

Are you aware that the General Excise Tax will go up by ½% in January 2007? \_\_\_\_\_ (xx)

- 1 Yes  
2 No

(IF ANSWERED 'YES' ABOVE, ASK:) \_\_\_\_\_ (xx)

And are you aware that the ½% tax increase will be used to pay for a rail system?

- 1 Yes  
2 No

Do you tend to support legislative candidates who are pro-rail or do you tend  
to support candidates who oppose rail? \_\_\_\_\_ (xx)

- 1 Support candidates who are pro-rail  
2 Support candidates who oppose rail  
3 Doesn't matter/Don't Care  
4 Don't Know  
5 Don't vote not registered to vote

And now a few last questions for classification purposes only....

D0. (IF IN "MIXED DISTRICT", ASK:) \_\_\_\_\_ (xx)

In order to classify your responses into the right City Council district, may I please have the name of your City Council representative – do you think it is \_\_\_\_\_ or \_\_\_\_\_?

(IF DON'T KNOW ASK:)

Okay, could you please give me your street address so I can look at my map and tell you who it is?

Council District \_\_\_\_\_

Councilmember \_\_\_\_\_

OR

Home address: \_\_\_\_\_

D1. Do you currently own or rent your home? \_\_\_\_\_ (xx)

- 1 Own
- 2 Rent

D3. What was your age on your last birthday? \_\_\_\_\_ (xx)

D4. What is your ethnic identification? \_\_\_\_\_ (xx)

**[IF MORE THAN ONE, ASK "WITH WHICH DO YOU IDENTIFY THE MOST". IF NO CHOICE, CIRCLE MIXED)**

- 1 = Caucasian
- 2 = Japanese
- 3 = Chinese
- 4 = Filipino
- 5 = Hawaiian Part-Hawaiian
- 6 = African-American
- 7 = Other (SPECIFY: \_\_\_\_\_)
- 8 = Mixed

DS. Finally, I will read some broad categories of income and I would like you to \_\_\_\_\_ (xx)  
tell me when I come to the category that includes your household's income  
before taxes for 2005. Please consider and include in your thinking the income  
of all persons living in your household as well as income from all sources  
including investments, retirement funds, etc.

*[INTERVIEWER: READ CATEGORIES]*

Again, just stop me when I come to the correct category.

- 1 = Less than \$15,000
- 2 = \$15,000 but less than \$25,000
- 3 = \$25,000 but less than \$35,000
- 4 = \$35,000 but less than \$50,000
- 5 = \$50,000 but less than \$75,000
- 6 = \$75,000 but less than \$100,000
- 7 = \$100,000 or more
- 9 = (DON'T KNOW/REFUSED)

DS. **[Record, DO NOT ASK:]** Gender \_\_\_\_\_ (xx)

1 = male                      2 = female

*Those are all the questions I have, thank you for participating in our survey!*

*May I please have your first name only, just in case my supervisor needs to verify  
I did this survey?*

Name \_\_\_\_\_ Telephone number \_\_\_\_\_

**OAHU TRANSPORTATION STUDY**

**Q.1 What mode of transportation do you primarily use to get to work or school?**

	TOTAL	DISTRICT								
		Apo	Dela Cruz	Marshall	Djou	Kobayashi	Tam	Cachola	Okino	Garcia
Q.1 Drive own car or motorcycle	70%	73%	70%	69%	66%	53%	61%	80%	77%	78%
TheBus	11%	12%	10%	8%	6%	19%	20%	7%	8%	13%
Do not work or attend school	11%	10%	11%	14%	15%	10%	11%	7%	10%	6%
Work from home	2%	2%	3%	4%	8%	3%			1%	1%
Walk	2%	1%	2%		2%	9%	4%	1%		
Other	2%	2%	4%	3%	2%	1%	2%		1%	
Carpool	1%			1%	1%	1%		2%	2%	1%
Bicycle	1%					1%	1%	1%	1%	
Moped	0%					1%				1%
Don't know/Refused	0%					1%		1%		
Total Unweighted Count	905	100	101	100	100	103	100	101	100	100

(11/06) \* Prepared by QMark Research & Polling \* (414068)

**OAHU TRANSPORTATION STUDY**

**Q.2 How long is your average commute time to school or work?**

	TOTAL	DISTRICT								
		Apo	Dela Cruz	Marshall	Djou	Kobayashi	Tam	Cachola	Okino	Garcia
Q.2 1-15 Min	33%	21%	24%	22%	34%	50%	51%	45%	25%	22%
16-30	32%	25%	31%	40%	36%	30%	26%	30%	45%	27%
31-60	24%	35%	28%	29%	20%	12%	14%	19%	23%	35%
61+	6%	16%	9%	3%	1%	2%	4%	2%	5%	15%
Don't know	3%	2%	3%	1%	8%	5%	2%	1%	2%	2%
Refused	2%	2%	4%	5%	1%		3%	4%		
Total Unweighted Count	783	88	87	81	77	87	88	94	89	92
Q.2 Mean	33.5	49.5	35.8	31.2	25.9	23.0	24.6	30.7	33.6	44.6
Median	30	45	30	30	22	15	15	20	30	36

(11/06) \* Prepared by QMark Research & Polling \* (414068)

**OAHU TRANSPORTATION STUDY**

**Q.3 Considering all uses, how often, if at all, do you use TheBus?**

		TOTAL	DISTRICT								
			Apo	Dela Cruz	Marshall	Djou	Kobayashi	Tam	Cachola	Okino	Garcia
Q.3	Once or twice month	8%	9%	5%	14%	7%	7%	12%	3%	6%	7%
	Once a week	2%	3%	2%	1%	2%	6%	2%	5%		
	2 to 3 times/week	4%	6%	4%	7%	1%	5%	6%		3%	3%
	4+ times a week	11%	12%	9%	9%	5%	19%	19%	8%	8%	13%
	Never or Rarely	74%	70%	80%	69%	84%	63%	61%	83%	82%	77%
	Don't know/Refused	0%				2%					
Total	Unweighted Count	905	100	101	100	100	103	100	101	100	100

(11/06) \* Prepared by QMark Research & Polling \* (414068)

**OAHU TRANSPORTATION STUDY**

**Q.4 Which of the following statements best reflects your views on Oahu traffic situation?**

		TOTAL	DISTRICT								
			Apo	Dela Cruz	Marshall	Djou	Kobayashi	Tam	Cachola	Okino	Garcia
Q.4	Serious traffic congestion	84%	82%	75%	82%	81%	81%	86%	94%	86%	88%
	Mild traffic congestion	12%	17%	15%	15%	14%	13%	11%	2%	14%	9%
	Do not have a traffic problem	2%	1%	3%	2%	4%	2%	2%	3%		1%
	Don't know/Refused	2%		7%	2%	2%	4%	1%	1%		2%
Total	Unweighted Count	905	100	101	100	100	103	100	101	100	100

(11/06) \* Prepared by QMark Research & Polling \* (414068)

**OAHU TRANSPORTATION STUDY**

**Q.5 How do you see Oahu traffic situation over the next 10 years?**

		TOTAL	DISTRICT								
			Apo	Dela Cruz	Marshall	Djou	Kobayashi	Tam	Cachola	Okino	Garcia
Q.5	Will improve	6%	7%	8%	7%	4%	5%	8%	9%	4%	6%
	Will worsen	82%	74%	82%	79%	85%	81%	82%	82%	86%	85%
	Will be about the same	9%	12%	7%	11%	8%	13%	8%	8%	6%	7%
	Don't know/Refused	3%	6%	4%	3%	4%	2%	2%	1%	3%	2%
Total	Unweighted Count	905	100	101	100	100	103	100	101	100	100

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**OAHU TRANSPORTATION STUDY**

**Q.6 If you were presented with the following solutions for improving traffic on Oahu...?**

	TOTAL	DISTRICT								
		Apo	Dela Cruz	Marshall	Djou	Kobayashi	Tam	Cachola	Okino	Garcia
Q.6 No Build	5%	6%	5%	7%	5%	5%	8%	6%	3%	3%
Replace/Boost Bus/ Hwy constr	21%	19%	18%	25%	23%	22%	18%	21%	21%	23%
Expand bus/Toll road	20%	14%	23%	23%	23%	20%	21%	10%	23%	20%
Rail option	45%	54%	38%	40%	39%	43%	43%	53%	47%	45%
Don't know	10%	7%	16%	5%	11%	11%	10%	11%	6%	9%
Total Unweighted Count	905	100	101	100	100	103	100	101	100	100

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**OAHU TRANSPORTATION STUDY**

**Q.6/7 Top two solutions**

	TOTAL	DISTRICT								
		Apo	Dela Cruz	Marshall	Djou	Kobayashi	Tam	Cachola	Okino	Garcia
Q.6&7 Rail option	57%	64%	53%	60%	49%	52%	52%	63%	62%	60%
Expand bus/Toll road	52%	45%	50%	50%	58%	43%	59%	47%	52%	61%
Replace/Boost Bus/ Hwy constr	47%	51%	37%	52%	56%	49%	46%	47%	43%	44%
Don't know	20%	18%	27%	15%	17%	27%	19%	19%	21%	15%
No Build	15%	15%	17%	20%	11%	17%	13%	13%	16%	11%
Total Cases	905	97	100	100	98	103	99	102	104	102

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**OAHU TRANSPORTATION STUDY**

**Q.8 Pretend the City Council decided on the Rail Option, which of the following two options would you prefer...**

	TOTAL	DISTRICT									
		Apo	Dela Cruz	Marshall	Djou	Kobayashi	Tam	Cachola	Okino	Garcia	
Q.8 Kapolei to UH	38%	33%	33%	37%	30%	39%	42%	34%	55%	38%	
Kapolei To Ala Moana	41%	45%	32%	45%	41%	44%	38%	45%	33%	43%	
Doesn't Matter/Don't Care	14%	12%	26%	15%	20%	10%	13%	13%	8%	12%	
Don't Know	7%	10%	9%	2%	9%	8%	7%	8%	4%	7%	
Total Unweighted Count	905	100	101	100	100	103	100	101	100	100	

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**OAHU TRANSPORTATION STUDY**

**Q.9 Do you think you would use the rail when it is completed?**

	TOTAL	DISTRICT									
		Apo	Dela Cruz	Marshall	Djou	Kobayashi	Tam	Cachola	Okino	Garcia	
Q.9 Yes	49%	61%	46%	35%	31%	48%	44%	62%	54%	58%	
No	45%	30%	52%	62%	65%	45%	49%	29%	37%	40%	
Don't Know	5%	9%	2%	3%	3%	6%	7%	8%	9%	2%	
Total Unweighted Count	905	100	101	100	100	103	100	101	100	100	

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**OAHU TRANSPORTATION STUDY**

**Q.10 Do you think someone else living in your household would use the rail when it is completed?**

	TOTAL	DISTRICT									
		Apo	Dela Cruz	Marshall	Djou	Kobayashi	Tam	Cachola	Okino	Garcia	
Q.10 Yes	47%	60%	40%	35%	26%	41%	43%	63%	57%	56%	
No	46%	32%	56%	61%	65%	49%	46%	29%	34%	40%	
Don't Know	7%	8%	5%	4%	9%	10%	11%	8%	8%	5%	
Total Unweighted Count	905	100	101	100	100	103	100	101	100	100	

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**OAHU TRANSPORTATION STUDY**

**Q.11 Are you aware that the GET will go up by 1/2% in January 2007?**

		TOTAL	DISTRICT								
			Apo	Dela Cruz	Marshall	Djou	Kobayashi	Tam	Cachola	Okino	Garcia
Q.11	Yes	70%	61%	60%	69%	81%	74%	75%	61%	75%	72%
	No	29%	39%	39%	31%	18%	25%	24%	36%	23%	27%
	Don't know/Refused	1%	1%	2%		1%	2%	1%	3%	2%	1%
Total	Unweighted Count	905	100	101	100	100	103	100	101	100	100

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**OAHU TRANSPORTATION STUDY**

**Q.12 And are you aware that the 1/2% tax increase will be used to pay for a rail system?**

		TOTAL	DISTRICT								
			Apo	Dela Cruz	Marshall	Djou	Kobayashi	Tam	Cachola	Okino	Garcia
Q.12	Yes	62%	48%	53%	55%	72%	70%	67%	59%	65%	66%
	No	37%	51%	45%	44%	27%	29%	31%	41%	35%	34%
	Don't know/Ref	1%	1%	2%	1%	1%	1%	2%			
Total	Unweighted Count	905	100	101	100	100	103	100	101	100	100

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**OAHU TRANSPORTATION STUDY**

**Q.13 Do you tend to support Legislative candidates who are pro-rail or do you tend to support candidates who oppose rail?**

		TOTAL	DISTRICT								
			Apo	Dela Cruz	Marshall	Djou	Kobayashi	Tam	Cachola	Okino	Garcia
Q.13	Support pro-rail	42%	43%	34%	34%	34%	43%	39%	47%	55%	49%
	Support oppose rail	24%	25%	26%	29%	31%	27%	23%	14%	20%	24%
	Doesn't matter/Don't Care	22%	19%	22%	32%	23%	17%	25%	23%	20%	21%
	Don't Know	9%	13%	15%	4%	10%	8%	10%	11%	4%	4%
	Don't vote/not registered	2%	1%	2%		2%	5%	2%	4%	1%	3%
Total	Unweighted Count	905	100	101	100	100	103	100	101	100	100

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**OAHU TRANSPORTATION STUDY**

**D.2 Do you currently own or rent your home**

		TOTAL	DISTRICT								
			Apo	Dela Cruz	Marshall	Djou	Kobayashi	Tam	Cachola	Okino	Garcia
D.2	Own	67%	76%	72%	73%	71%	51%	57%	49%	71%	80%
	Rent	33%	24%	28%	27%	29%	49%	43%	51%	29%	20%
Total	Unweighted Count	905	100	101	100	100	103	100	101	100	100

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**OAHU TRANSPORTATION STUDY**

**D.3 AGE**

		TOTAL	DISTRICT								
			Apo	Dela Cruz	Marshall	Djou	Kobayashi	Tam	Cachola	Okino	Garcia
D.3	18-34	15%	17%	9%	9%	13%	16%	11%	18%	22%	16%
	35-54	40%	44%	38%	40%	38%	41%	37%	47%	37%	42%
	55+	41%	33%	46%	47%	43%	41%	46%	32%	38%	40%
	Refused	4%	6%	7%	4%	6%	2%	5%	4%	4%	2%
Total	Unweighted Count	905	100	101	100	100	103	100	101	100	100
D.3	Mean	52.2	48.3	55.1	54.0	53.8	53.8	55.2	48.2	50.9	50.5
	Median	52	47	54	54	53	53	54	46	50	50

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**OAHU TRANSPORTATION STUDY**

**D.4 ETHNICITY**

	TOTAL	DISTRICT									
		Apo	Dela Cruz	Marshall	Djou	Kobayashi	Tam	Cachola	Okino	Garcia	
D.4 Caucasian	29%	18%	25%	44%	28%	28%	27%	35%	24%	32%	
Japanese	20%	9%	20%	20%	24%	32%	22%	10%	24%	20%	
Chinese	7%	5%	4%	6%	14%	8%	8%	4%	8%	5%	
Filipino	13%	20%	11%	4%	1%	5%	14%	28%	15%	20%	
Hawn/Part	16%	28%	24%	20%	19%	11%	13%	9%	10%	11%	
African-American	2%	4%	1%		1%	1%	1%	4%	3%		
Other	7%	13%	8%	2%	5%	7%	8%	6%	7%	9%	
Mixed	4%	1%	2%	5%	4%	5%	5%	3%	7%	4%	
Refused	2%	2%	4%		4%	3%	1%	2%	3%	1%	
Total Unweighted Count	905	100	101	100	100	103	100	101	100	100	

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**OAHU TRANSPORTATION STUDY**

**D.5 HOUSEHOLD INCOME**

	TOTAL	DISTRICT									
		Apo	Dela Cruz	Marshall	Djou	Kobayashi	Tam	Cachola	Okino	Garcia	
D.5 Less than \$15K	5%	5%	5%	4%	2%	7%	8%	8%	7%	2%	
\$15K less than \$25K	5%	7%	3%	1%	5%	9%	8%	7%	1%	5%	
\$25K less than \$35K	9%	7%	10%	9%	6%	6%	17%	11%	7%	7%	
\$35K less than \$50K	15%	21%	16%	16%	9%	19%	10%	16%	13%	11%	
\$50K less than \$75K	16%	13%	15%	18%	15%	20%	10%	15%	17%	20%	
\$75K less than \$100K	11%	11%	9%	9%	11%	5%	13%	13%	10%	15%	
\$100K+	16%	7%	11%	16%	26%	14%	16%	14%	20%	20%	
Refused	24%	29%	31%	27%	26%	20%	19%	17%	25%	20%	
Total Unweighted Count	905	100	101	100	100	103	100	101	100	100	

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OAHU TRANSPORTATION STUDY

D.6 GENDER

		TOTAL	DISTRICT								
			Apo	Dela Cruz	Marshall	Djou	Kobayashi	Tam	Cachola	Okino	Garcia
D.6	Male	51%	44%	49%	51%	46%	51%	48%	53%	60%	56%
	Female	49%	56%	51%	49%	54%	49%	52%	47%	40%	44%
Total	Unweighted Count	905	100	101	100	100	103	100	101	100	100

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OAHU TRANSPORTATION STUDY

Q.1 What mode of transportation do you primarily use to get to work or school?

	TOTAL	RAIL USER		RAIL HSE		BUS USER	GENDER		AGE			ETHNICITY					HSE INCOME		
		Yes	No	Yes	No		Male	Female	18-34	35-54	55+	Caucasian	Japanese	Hawn/Part	Filipino	Other	<\$50K	\$50K-\$75K	\$75K+
Q.1 Drive own car or motorcycle	70%	71%	68%	71%	68%	37%	73%	66%	71%	81%	58%	70%	69%	72%	63%	72%	62%	76%	83%
TheBus	11%	14%	9%	13%	9%	44%	8%	14%	14%	10%	11%	8%	7%	16%	20%	11%	18%	6%	3%
Do not work or attend school	11%	7%	14%	8%	14%	10%	10%	11%	2%	3%	22%	12%	16%	7%	6%	11%	12%	12%	6%
Work from home	2%	2%	3%	2%	3%	1%	2%	3%	2%	3%	2%	4%	2%	2%	2%	1%	1%	1%	3%
Walk	2%	2%	2%	2%	2%	4%	3%	2%	6%	1%	1%	2%	3%	1%	4%	1%	2%	2%	1%
Other	2%	2%	2%	2%	2%	1%	1%	2%	1%	1%	2%	2%	2%	2%	2%	1%	3%	1%	1%
Carpool	1%	1%	1%	1%	1%	2%	1%	1%	3%	0%	1%	0%		1%	2%	2%	1%	2%	1%
Bicycle	1%	1%	1%	1%	0%		1%		1%	1%	0%	2%					1%		1%
Moped	0%	1%		1%		1%	1%		1%	0%	0%	0%		1%		0%			
Don't know/Refused	0%	0%	0%	0%	0%			0%		0%	0%	0%	0%			0%			
Total Unweighted Count	905	441	464	506	399	230	360	545	134	360	367	256	182	150	117	179	308	143	236

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OAHU TRANSPORTATION STUDY

Q.2 How long is your average commute time to school or work?

	TOTAL	RAIL USER		RAIL HSE		BUS USER	GENDER		AGE			ETHNICITY					HSE INCOME		
		Yes	No	Yes	No		Male	Female	18-34	35-54	55+	Caucasian	Japanese	Hawn/Part	Filipino	Other	<\$50K	\$50K-\$75K	\$75K+
Q.2 1-15 Min	33%	34%	31%	33%	32%	24%	34%	31%	38%	33%	31%	31%	37%	28%	27%	37%	34%	30%	35%
16-30	32%	32%	32%	31%	34%	32%	32%	32%	29%	33%	33%	34%	35%	30%	30%	31%	31%	40%	31%
31-60	24%	23%	25%	24%	24%	28%	22%	26%	26%	25%	23%	23%	18%	31%	33%	21%	24%	22%	27%
61+	6%	7%	6%	7%	5%	11%	7%	6%	6%	7%	5%	6%	3%	9%	7%	7%	7%	6%	4%
Don't know	3%	2%	4%	2%	4%	2%	2%	3%		1%	6%	4%	3%	2%	1%	3%	2%	1%	2%
Refused	2%	2%	2%	2%	2%	2%	2%	2%	1%	1%	3%	3%	3%		1%	2%	3%	1%	1%
Total Unweighted Count	783	402	381	456	327	204	317	466	129	340	273	217	147	137	107	156	267	125	214
Q.2 Mean	33.5	32.5	34.5	34.8	31.6	43.1	31.7	35.3	33.2	31.9	35.6	32.7	27.2	38.0	41.2	31.8	36.2	32.3	30.5
Median	30	25	30	30	30	30	25	30	25	25	30	30	20	30	30	20	30	25	25

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OAHU TRANSPORTATION STUDY

Q.3 Considering all uses, how often, if at all, do you use TheBus?

	TOTAL	RAIL USER		RAIL HSE		BUS USER	GENDER		AGE			ETHNICITY					HSE INCOME		
		Yes	No	Yes	No		Male	Female	18-34	35-54	55+	Caucasian	Japanese	Hawn/Part	Filipino	Other	<\$50K	\$50K-\$75K	\$75K+
Q.3 Once or twice month	8%	8%	7%	8%	7%	31%	9%	6%	8%	6%	10%	7%	6%	9%	10%	9%	10%	12%	3%
Once a week	2%	2%	3%	2%	3%	10%	3%	2%	4%	1%	4%	3%	1%	1%	6%	3%	4%	2%	1%
2 to 3 times/week	4%	5%	2%	5%	2%	15%	4%	3%	2%	3%	5%	2%	3%	7%	5%	4%	5%	5%	2%
4+ times a week	11%	14%	9%	13%	9%	45%	9%	14%	13%	13%	10%	9%	7%	15%	18%	11%	18%	6%	5%
Never or Rarely	74%	70%	79%	71%	79%		75%	74%	73%	77%	72%	79%	81%	69%	61%	74%	64%	75%	89%
Don't know/Refused	0%	0%	0%	0%	0%			0%		0%	0%		1%						
Total Unweighted Count	905	441	464	506	399	230	360	545	134	360	367	256	182	150	117	179	308	143	236

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**OAHU TRANSPORTATION STUDY**

**Q.6/7 Top two solutions**

	TOTAL	RAIL USER		RAIL HSE		BUS USER	GENDER		AGE			ETHNICITY					HSE INCOME		
		Yes	No	Yes	No		Male	Female	18-34	35-54	55+	Caucasian	Japanese	Hawn/Part	Filipino	Other	<\$50K	\$50K-\$75K	\$75K+
Q.6&7 Rail option	57%	76%	39%	75%	34%	50%	58%	57%	68%	60%	51%	63%	52%	56%	59%	55%	53%	59%	68%
Expand bus/Toll road	52%	54%	49%	53%	50%	49%	53%	50%	44%	51%	55%	59%	49%	43%	44%	55%	50%	53%	62%
Replace/Boost Bus/ Hwy constr	47%	39%	55%	40%	56%	55%	45%	50%	54%	50%	43%	41%	44%	60%	51%	47%	52%	51%	42%
Don't know	20%	13%	27%	13%	29%	17%	19%	21%	12%	16%	25%	16%	27%	14%	20%	21%	21%	14%	13%
No Build	15%	12%	18%	13%	17%	19%	16%	13%	14%	16%	14%	14%	15%	21%	13%	14%	16%	16%	12%
Total Cases	905	444	461	510	395	229	462	443	132	365	367	262	181	146	119	177	306	144	241

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**OAHU TRANSPORTATION STUDY**

**Q.8 Pretend the City Council decided on the Rail Option, which of the following two options would you prefer...**

	TOTAL	RAIL USER		RAIL HSE		BUS USER	GENDER		AGE			ETHNICITY					HSE INCOME		
		Yes	No	Yes	No		Male	Female	18-34	35-54	55+	Caucasian	Japanese	Hawn/Part	Filipino	Other	<\$50K	\$50K-\$75K	\$75K+
Q.8 Kapolei to UH	38%	46%	30%	45%	29%	28%	41%	36%	32%	40%	39%	45%	39%	26%	34%	37%	34%	39%	50%
Kapolei To Ala Moana	41%	45%	37%	45%	35%	48%	38%	44%	59%	42%	34%	36%	34%	50%	45%	47%	46%	43%	37%
Doesn't Matter/Don't Care	14%	6%	22%	7%	24%	16%	15%	14%	5%	12%	20%	14%	17%	19%	12%	9%	15%	16%	8%
Don't Know	7%	3%	11%	3%	12%	7%	7%	7%	4%	7%	7%	6%	10%	5%	9%	6%	5%	1%	5%
Total Unweighted Count	905	441	464	506	399	230	360	545	134	360	367	256	182	150	117	179	308	143	236

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**OAHU TRANSPORTATION STUDY**

**Q.9 Do you think you would use the rail when it is completed?**

	TOTAL	RAIL USER		RAIL HSE		BUS USER	GENDER		AGE			ETHNICITY					HSE INCOME		
		Yes	No	Yes	No		Male	Female	18-34	35-54	55+	Caucasian	Japanese	Hawn/Part	Filipino	Other	<\$50K	\$50K-\$75K	\$75K+
Q.9 Yes	49%	100%		87%		58%	51%	48%	64%	51%	42%	50%	39%	47%	62%	50%	51%	48%	53%
No	45%		89%	10%	91%	36%	43%	48%	29%	44%	53%	48%	54%	47%	25%	47%	40%	49%	46%
Don't Know	5%		11%	3%	9%	6%	6%	5%	6%	4%	5%	2%	6%	6%	13%	3%	8%	3%	2%
Total Unweighted Count	905	441	464	506	399	230	360	545	134	360	367	256	182	150	117	179	308	143	236

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**OAHU TRANSPORTATION STUDY**

**Q.10 Do you think someone else living in your household would use the rail when it is completed?**

	TOTAL	RAIL USER		RAIL HSE		BUS USER	GENDER		AGE			ETHNICITY					HSE INCOME		
		Yes	No	Yes	No		Male	Female	18-34	35-54	55+	Caucasian	Japanese	Hawn/Part	Filipino	Other	<\$50K	\$50K-\$75K	\$75K+
Q.10 Yes	47%	81%	14%	83%		50%	49%	44%	65%	52%	36%	47%	38%	48%	60%	47%	46%	47%	53%
No	46%	14%	76%	12%	89%	41%	42%	49%	26%	40%	58%	48%	55%	45%	30%	46%	45%	50%	43%
Don't Know	7%	5%	10%	5%	11%	9%	9%	6%	9%	7%	6%	6%	6%	7%	11%	7%	9%	3%	4%
Total Unweighted Count	905	441	464	506	399	230	360	545	134	360	367	256	182	150	117	179	308	143	236

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OAHU TRANSPORTATION STUDY

Q.11 Are you aware that the GET will go up by 1/2% in January 2007?

	TOTAL	RAIL USER		RAIL HSE		BUS USER	GENDER		AGE			ETHNICITY					HSE INCOME		
		Yes	No	Yes	No		Male	Female	18-34	35-54	55+	Caucasian	Japanese	Hawn/Part	Filipino	Other	<\$50K	\$50K-\$75K	\$75K+
Q.11 Yes	70%	69%	71%	68%	73%	63%	72%	68%	52%	67%	79%	74%	74%	61%	58%	73%	65%	76%	77%
No	29%	31%	27%	32%	25%	35%	28%	30%	46%	33%	20%	25%	24%	39%	40%	26%	34%	24%	22%
Don't know/Refused	1%	1%	2%	1%	2%	2%	1%	2%	2%	1%	1%	1%	2%	1%	2%	0%	1%		0%
Total Unweighted Count	905	441	464	506	399	230	360	545	134	360	367	256	182	150	117	179	308	143	236

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OAHU TRANSPORTATION STUDY

Q.12 And are you aware that the 1/2% tax increase will be used to pay for a rail system?

	TOTAL	RAIL USER		RAIL HSE		BUS USER	GENDER		AGE			ETHNICITY					HSE INCOME		
		Yes	No	Yes	No		Male	Female	18-34	35-54	55+	Caucasian	Japanese	Hawn/Part	Filipino	Other	<\$50K	\$50K-\$75K	\$75K+
Q.12 Yes	62%	61%	63%	59%	65%	54%	65%	58%	41%	61%	70%	67%	63%	52%	53%	64%	59%	67%	70%
No	37%	39%	36%	40%	34%	44%	35%	40%	59%	39%	28%	32%	35%	48%	46%	35%	41%	33%	30%
Don't know/Ref	1%	0%	1%	0%	1%	2%	0%	1%			2%	0%	2%	1%	0%	1%			0%
Total Unweighted Count	905	441	464	506	399	230	360	545	134	360	367	256	182	150	117	179	308	143	236

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OAHU TRANSPORTATION STUDY

Q.13 Do you tend to support Legislative candidates who are pro-rail or do you tend to support candidates who oppose rail?

	TOTAL	RAIL USER		RAIL HSE		BUS USER	GENDER		AGE			ETHNICITY					HSE INCOME		
		Yes	No	Yes	No		Male	Female	18-34	35-54	55+	Caucasian	Japanese	Hawn/Part	Filipino	Other	<\$50K	\$50K-\$75K	\$75K+
Q.13 Support pro-rail	42%	62%	23%	61%	18%	40%	43%	42%	52%	41%	41%	47%	41%	32%	41%	46%	41%	46%	52%
Support oppose rail	24%	9%	39%	11%	41%	26%	25%	24%	18%	27%	25%	21%	22%	38%	20%	25%	27%	28%	20%
Doesn't matter/Don't Care	22%	20%	24%	20%	26%	22%	24%	21%	18%	22%	24%	22%	27%	18%	25%	20%	23%	22%	20%
Don't Know	9%	7%	11%	7%	12%	8%	7%	11%	7%	9%	9%	8%	8%	11%	10%	7%	9%	3%	7%
Don't vote/not registered	2%	2%	3%	2%	3%	4%	2%	3%	5%	2%	1%	3%	2%	1%	3%	2%	1%	2%	1%
Total Unweighted Count	905	441	464	506	399	230	360	545	134	360	367	256	182	150	117	179	308	143	236

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OAHU TRANSPORTATION STUDY

D.2 Do you currently own or rent your home

	TOTAL	RAIL USER		RAIL HSE		BUS USER	GENDER		AGE			ETHNICITY					HSE INCOME		
		Yes	No	Yes	No		Male	Female	18-34	35-54	55+	Caucasian	Japanese	Hawn/Part	Filipino	Other	<\$50K	\$50K-\$75K	\$75K+
D.2 Own	67%	61%	72%	63%	71%	48%	68%	66%	42%	62%	79%	66%	79%	57%	59%	68%	52%	72%	82%
Rent	33%	39%	28%	37%	29%	52%	33%	34%	58%	38%	21%	34%	21%	43%	41%	32%	48%	28%	18%
Total Unweighted Count	905	441	464	506	399	230	360	545	134	360	367	256	182	150	117	179	308	143	236

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OAHU TRANSPORTATION STUDY

D.3 AGE

	TOTAL	RAIL USER		RAIL HSE		BUS USER	GENDER		AGE			ETHNICITY					HSE INCOME			
		Yes	No	Yes	No		Male	Female	18-34	35-54	55+	Caucasian	Japanese	Hawn/Part	Filipino	Other	<\$50K	\$50K-\$75K	\$75K+	
D.3 18-34	15%	19%	10%	19%	9%	15%	14%	15%	100%				11%	10%	20%	21%	18%	15%	15%	14%
35-54	40%	42%	39%	42%	38%	36%	43%	38%		100%			39%	37%	49%	36%	43%	35%	44%	53%
55+	41%	35%	46%	35%	47%	45%	41%	40%			100%		46%	51%	30%	36%	36%	49%	40%	33%
Refused	4%	4%	5%	3%	6%	4%	3%	6%					4%	2%	1%	6%	4%	2%	1%	1%
Total Unweighted Count	905	441	464	506	399	230	360	545	134	360	367		256	182	150	117	179	308	143	236
D.3 Mean	52.2	49.3	55.0	49.4	55.9	52.9	52.1	52.3	26.3	45.2	68.5		54.0	57.1	46.5	49.6	50.7	54.3	51.5	48.9
D.3 Median	52	49	54	49	55	53	51	52	27	45	67		53	56	45	49	50	54	51	49

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OAHU TRANSPORTATION STUDY

D.4 ETHNICITY

	TOTAL	RAIL USER		RAIL HSE		BUS USER	GENDER		AGE			ETHNICITY					HSE INCOME			
		Yes	No	Yes	No		Male	Female	18-34	35-54	55+	Caucasian	Japanese	Hawn/Part	Filipino	Other	<\$50K	\$50K-\$75K	\$75K+	
D.4 Caucasian	29%	29%	29%	30%	28%	24%	32%	26%	22%	28%	33%	100%						23%	32%	37%
Japanese	20%	16%	24%	16%	25%	14%	20%	20%	14%	18%	25%		100%					19%	23%	22%
Chinese	7%	6%	7%	6%	8%	6%	6%	7%	3%	6%	8%						35%	6%	8%	8%
Filipino	13%	17%	10%	16%	9%	20%	14%	12%	19%	12%	12%			100%				17%	9%	8%
Hawn/Part	16%	15%	17%	16%	16%	20%	14%	18%	22%	19%	12%				100%			21%	16%	12%
African-American	2%	3%	0%	3%		2%	2%	1%	4%	1%	1%						8%	2%	2%	2%
Other	7%	8%	7%	7%	7%	8%	7%	8%	11%	7%	6%						37%	8%	8%	5%
Mixed	4%	3%	5%	4%	4%	4%	4%	4%	4%	6%	2%						20%	3%	3%	4%
Refused	2%	3%	2%	2%	2%	2%	1%	3%		2%	1%						1%	1%	2%	
Total Unweighted Count	905	441	464	506	399	230	360	545	134	360	367		256	182	150	117	179	308	143	236

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OAHU TRANSPORTATION STUDY

D.5 HOUSEHOLD INCOME

	TOTAL	RAIL USER		RAIL HSE		BUS USER	GENDER		AGE			ETHNICITY					HSE INCOME			
		Yes	No	Yes	No		Male	Female	18-34	35-54	55+	Caucasian	Japanese	Hawn/Part	Filipino	Other	<\$50K	\$50K-\$75K	\$75K+	
D.5 Less than \$15K	5%	5%	5%	6%	5%	11%	4%	6%	4%	2%	8%		3%	6%	5%	8%	6%	15%		
\$15K less than \$25K	5%	6%	4%	5%	5%	9%	4%	6%	6%	4%	6%		2%	4%	6%	10%	6%	15%		
\$25K less than \$35K	9%	10%	8%	9%	8%	14%	9%	8%	8%	7%	12%		6%	7%	11%	15%	9%	26%		
\$35K less than \$50K	15%	15%	15%	14%	15%	15%	15%	14%	16%	15%	14%		16%	15%	21%	10%	11%	43%		
\$50K less than \$75K	16%	16%	16%	16%	16%	16%	16%	16%	17%	17%	15%		17%	18%	15%	10%	17%		100%	
\$75K less than \$100K	11%	11%	11%	11%	10%	7%	13%	9%	11%	13%	9%		14%	11%	12%	4%	9%			40%
\$100K+	16%	18%	14%	17%	14%	5%	16%	16%	14%	22%	13%		19%	19%	8%	13%	17%			60%
Refused	24%	21%	27%	21%	28%	24%	22%	25%	25%	19%	22%		21%	21%	22%	30%	24%			
Total Unweighted Count	905	441	464	506	399	230	360	545	134	360	367		256	182	150	117	179	308	143	236

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D.6 GENDER

	TOTAL	RAIL USER		RAIL HSE		BUS USER	GENDER		AGE			ETHNICITY					HSE INCOME		
		Yes	No	Yes	No		Male	Female	18-34	35-54	55+	Caucasian	Japanese	Hawn/Part	Filipino	Other	<\$50K	\$50K-\$75K	\$75K+
D.6 Male	51%	53%	50%	53%	49%	50%	100%		48%	54%	51%	56%	50%	45%	55%	49%	49%	52%	55%
Female	49%	47%	50%	47%	51%	50%		100%	52%	46%	49%	44%	50%	55%	45%	51%	51%	48%	45%
Total Unweighted Count	905	441	464	506	399	230	360	545	134	360	367	256	182	150	117	179	308	143	236

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