

December 2012

# Waipahu Community Survey

City and County  
of Honolulu

Department of Planning  
& Permitting

Prepared by



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## Executive Summary

A random sample of 2,700 residents who lived within a half mile of one of the two planned rail stations in Waipahu (Waipahu Transit Center and West Loch) was surveyed by mail during October and November, 2012. Twenty-one percent of delivered surveys were completed and returned. The survey elicited resident perspectives on a variety of community planning issues related to transit-oriented development (TOD): community amenities, civic connection, neighborhood mobility, and development opportunities. This report summarizes the results of this survey; it outlines the findings across all respondents and highlights differences by gender, tenure (whether the resident owns or rents their home), and which rail station residents lived closest to.

## Community Amenities

### *The location is great.*

When asked what was best about their neighborhood, most residents said it was close to jobs, transit, and shopping.

### *There are many amenities.*

The Waipahu neighborhood had many businesses and community resources. Most respondents said there were schools, libraries, and community and youth centers nearby, but few knew of family entertainment venues, such as movie theaters.

### *Parks were good for exercise, but less so for hanging out.*

Most residents thought the parks were good for playing sports, but two-thirds thought they were only fair or poor for taking children to playgrounds or for picnicking and hanging out. Most residents either felt somewhat safe (54%) or unsafe (26%) in parks in the day, and most felt unsafe at night or when homeless people were present.

### *There are some areas for improvement, notably cleanliness and safety.*

About two-thirds of respondents rated the cleanliness of public spaces and the presence of trees and other shading canopies as fair or poor; only one third thought they were excellent or good. Most residents had some concern about safety in parks, and many said their least favorite thing about the neighborhood was that the crime rate was too high (30%) or it was unsafe to walk, drive or play (32%).

## Neighborhood Mobility

### *Biking, walking, and auto travel could be easier.*

About 4 in 10 residents rated the ease of walking in the neighborhood as excellent or good; this was closer to 3 in 10 for car travel and 2 in 10 for biking. Six in ten residents said they wanted to see improvements to sidewalks, 36% wanted more walking paths and trails, and 45% wanted more car parking.

### *Bus travel was the best mode.*

About 6 in 10 residents rated the ease of bus travel in the neighborhood as excellent or good. Most residents were happy the ease of finding bus stops and safety on buses, but many expressed concern with the condition of bus stops and safety while waiting for buses.

***Driving alone is the mode used for just over half of Waipahu commutes.***

About half of Waipahu commuters (48%) drive alone every day of their commute, and 54% drive alone at least once a week. However, many use alternate modes every day (36%), and an additional 16% use alternate modes at least some days. Of all commute trips reported in the week prior to the survey, 56% drove alone, 24% took the bus, 9% carpooled, 6% telecommuted, and 4% walked.

***Most have heard that rail transit is coming, and around half will use it.***

Almost all the respondents knew that the rail line was being built and most said they would use it for their commute, to shop, or for leisure related visits to entertainment venues, parks, and friends and family. Those who more frequently used buses or other alternate travel modes were more likely to say they would use the rail line, but many of those who tended to drive alone also said they were likely to use rail for shopping (49%) or commuting (44%).

**Development Opportunities*****Streetscapes should be improved.***

Residents were concerned about the cleanliness of public spaces and a lack of trees. They were very supportive of improving landscaping near the new stations, as well as adding washrooms and places to sit.

***Affordable housing is generally supported.***

About one-third of respondents said one of their favorite things about Waipahu was that housing was affordable, but 39% said their least favorite thing was that housing was too expensive. Four in ten said one of their top five wishes for the community was more affordable housing. When asked if they would support or oppose affordable housing near each of the stations, about two-thirds of respondents strongly or somewhat supported it.

## Survey Background

### Survey Purpose

Staff from the Department of Planning and Permitting of the City and County of Honolulu sought to capture the perspectives of residents in the Waipahu neighborhood around the planned Waipahu Transit Center and West Loch rail transit stations. National Research Center, Inc. (NRC) was contracted to conduct a survey to assess resident's perceptions about their neighborhood and opinions about potential transit-oriented development in these areas.

Results of the survey will help staff make plans to guide future public investment and development around the rail stations.

### Survey Methods

A randomly selected sample of 2,700 households within a half mile of the Waipahu Transit Center and West Loch stations was mailed the survey. These 2,700 households were 89% of the total number of households (3,028) estimated to be within a half mile of the planned stations.

The survey was in English, and the cover page included text in Tagalog and Ilocano telling residents how to request an in-language version of the survey if they preferred to respond in Tagalog or Ilocano. No residents requested Tagalog or Ilocano versions of the survey. Of the 2,700 mailed surveys, 2,608 were delivered to occupied households. A total of 547 completed surveys were returned, for a response rate of 21%; this is a typical response rate compared to those that NRC sees for surveys in large cities.

Survey results were weighted so that respondent age, gender, ethnicity, housing tenure (rent or own), and housing unit type (attached or detached) were represented in the proportions reflective of the entire adult population living in Census blocks within a half mile of the planned stations (as reported from the 2010 U.S. Census and the 2005-2009 American Community Survey). The margin of error is plus or minus four percentage points around any given percent for a question answered by all respondents.

More information about the survey methodology can be found in *Appendix F: Methodology*.

## Understanding the Results

### *How the Results Are Reported*

Results for all respondents are shown in the body of the report and in *Appendix A: Survey Results*. Results were also compared by selected subgroups: the respondent's gender, whether the respondent owned or rented their home, and which planned station they lived closest to. These comparisons can be found in Appendices B, C and D and are mentioned in the body of the report when there are significant differences.

### *Precision of Estimates*

It is customary to describe the precision of estimates made from surveys with a "level of confidence" (or margin of error). The 95 percent confidence level for this survey is generally no greater than plus or minus four percentage points around any given percent reported for all respondents (547). Where estimates are given for subgroups, they are less precise. For each

subgroup from the survey, the margin of error rises to as much as plus or minus 6% for a sample size of 315 to plus or minus 7% for 220 completed surveys.

### ***“Don’t Know” Responses and Rounding***

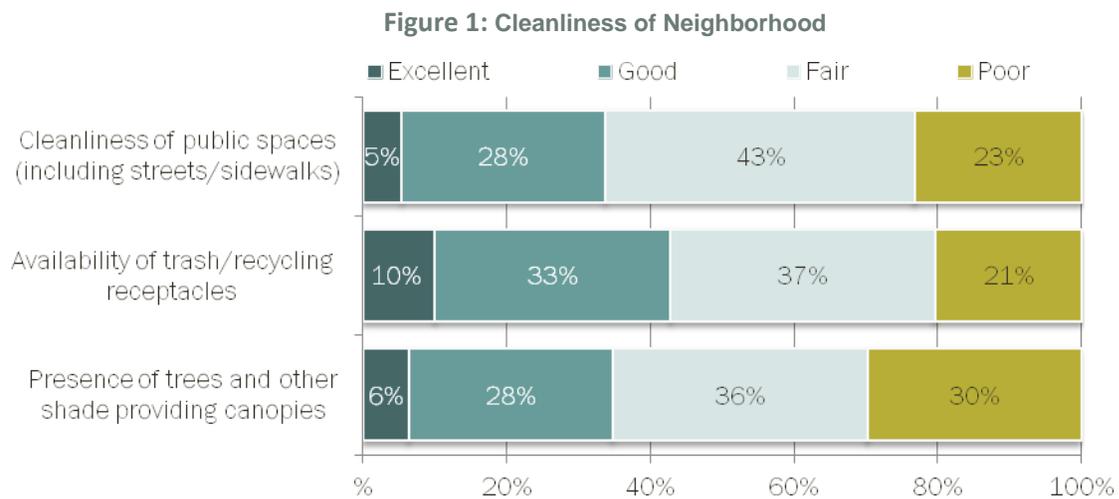
On many of the questions in the survey, respondents were able to answer “don’t know.” However, these responses have been removed from the analyses presented in the body of the report. In other words, the majority of the tables and graphs in the body of the report display the responses of respondents who had an opinion about a specific item. The proportion of respondents giving a response of “don’t know” is shown in the full set of responses included in *Appendix A: Survey Results* and is mentioned in the body of this report if it is 20% or greater.

For some questions, respondents were permitted to select more than one option (i.e., a multiple response question). When the total exceeds 100% in a table for a multiple response question, it is because some respondents were counted in more than one category. When a table for a question that only permitted a single response does not total to exactly 100%, it is due to the customary practice of rounding percentages to the nearest whole number.

## Community Amenities

There are many factors that contribute to creating a desirable neighborhood, including physical attractiveness, cleanliness, and the presence or absence of businesses, services, parks and other amenities. This section provides an overview of how Waipahu residents rated the current state of their neighborhood and what they most wanted to see improved.

Most residents gave fair or poor ratings to the cleanliness of public spaces (66%), the presence of trees or other shade providing canopies (66%), and the availability of trash or recycling receptacles (58%).

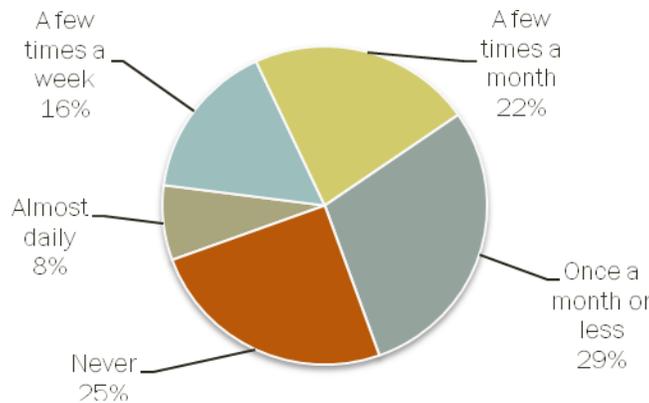


**Neighborhood Parks**

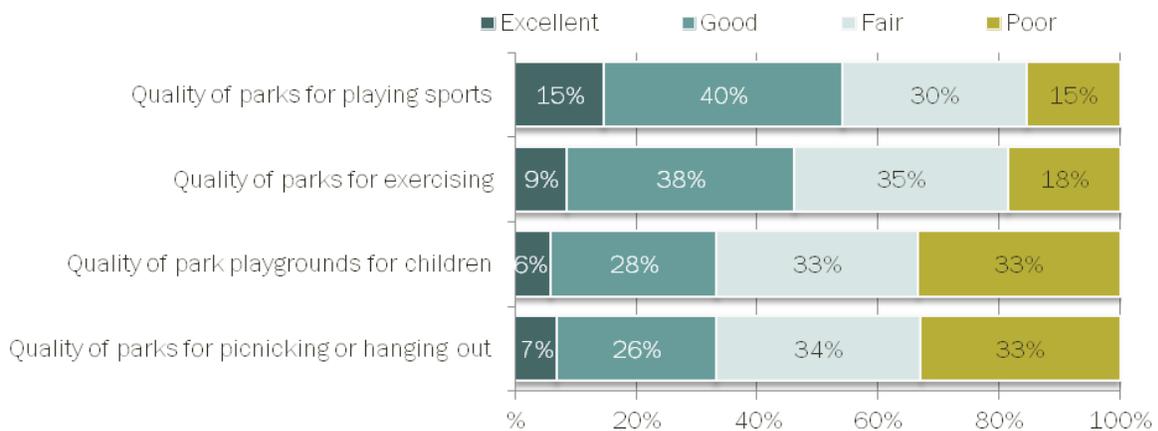
About one quarter of Waipahu residents said they never used neighborhood parks. Of those who did use the parks, most used them a few times a month or less frequently. About one-quarter of residents used local parks weekly.

Residents gave the highest marks to Waipahu parks as places to play sports or exercise. Lower marks were given to the quality of parks for children’s playgrounds and as places to hang out or picnic; about one-third said they were poor, and one-third rated them as only fair. Waipahu residents who lived closer to the Waipahu Transit Center station gave better ratings to the quality of local parks for sports, exercising, and hanging out than residents who lived closer to the West Loch station.

**Figure 2: How often does any member of your household use neighborhood parks?**

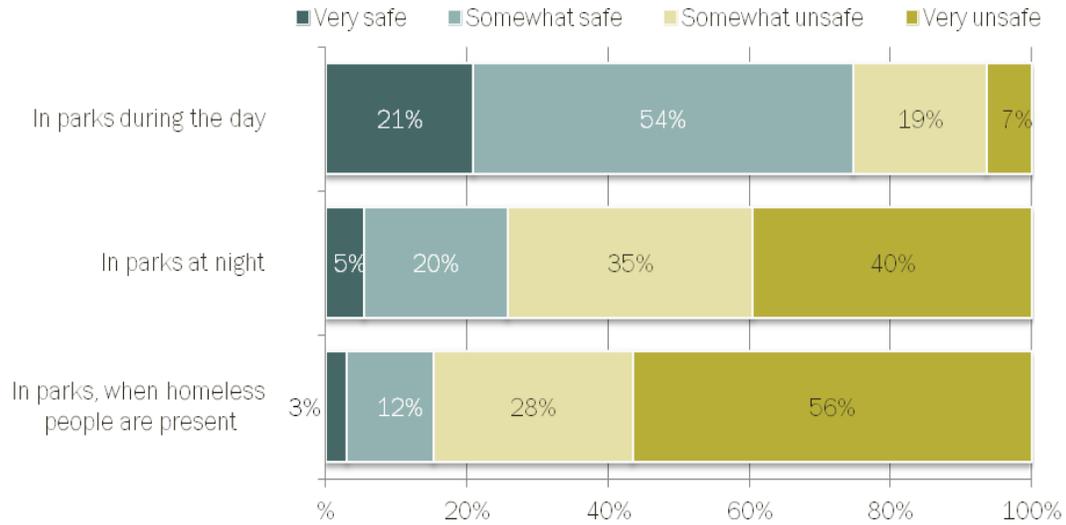


**Figure 3: Quality of parks in your neighborhood**



While Waipahu residents generally felt safe in their neighborhood parks during the day (21% very safe and 54% somewhat safe), they did not feel as safe at night or when homeless people were in the parks. Over half of residents felt very unsafe when homeless people were present in the parks, and about 4 in 10 felt very unsafe in parks at night.

**Figure 4: Safety in neighborhood parks**

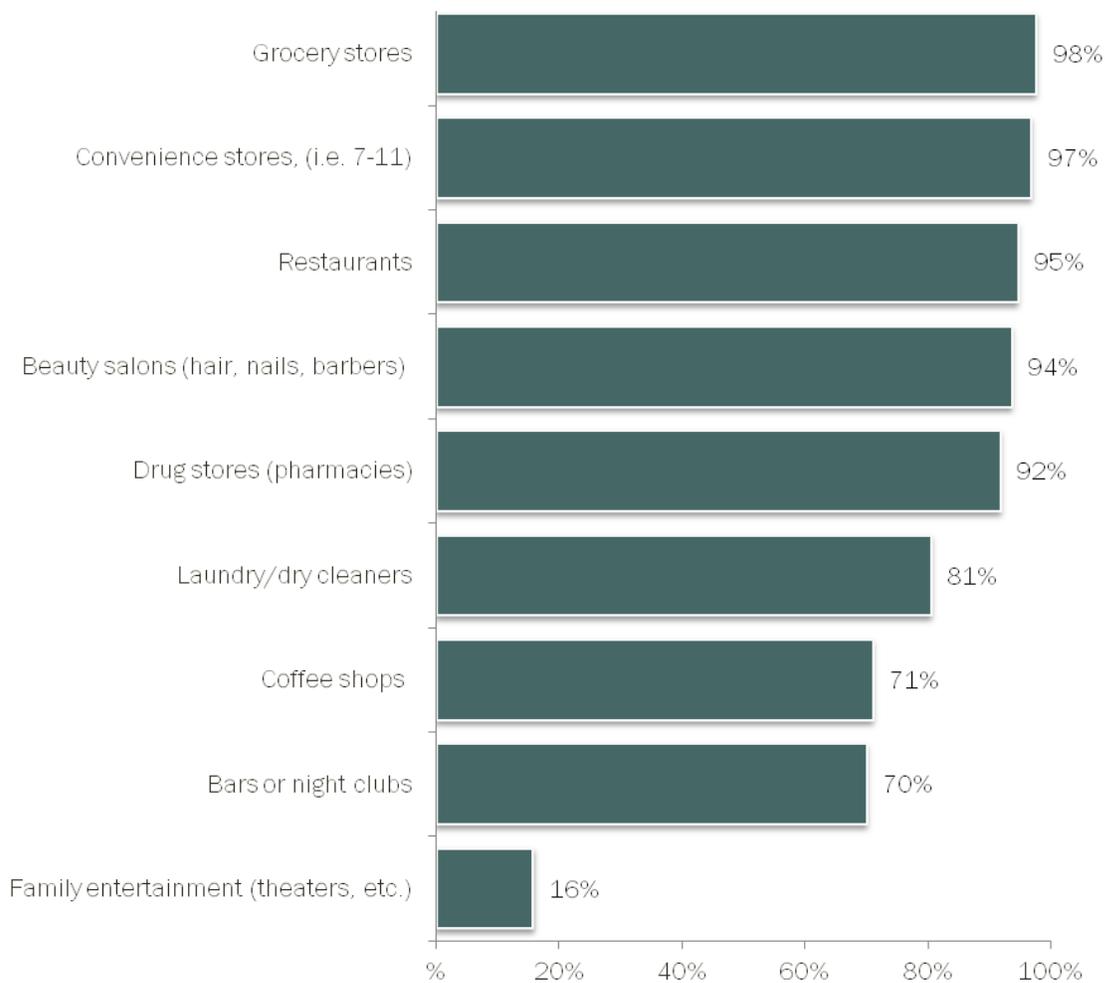


**Neighborhood Businesses**

Residents described Waipahu as a neighborhood with a broad range of businesses. Almost all respondents said there were restaurants and grocery, convenience and drug stores, and beauty salons in the neighborhood. Most also said there were laundry or dry cleaners, coffee shops, and bars or night clubs nearby. However, few were aware of family entertainment venues (only 16%).

Waipahu residents that lived closer to the West Loch station were more likely than those closer to the Waipahu Transit Center station to say that there were coffee shops, beauty salons, laundry or dry cleaners, and family entertainment venues in their neighborhood.

**Figure 5: Presence of businesses in neighborhood**

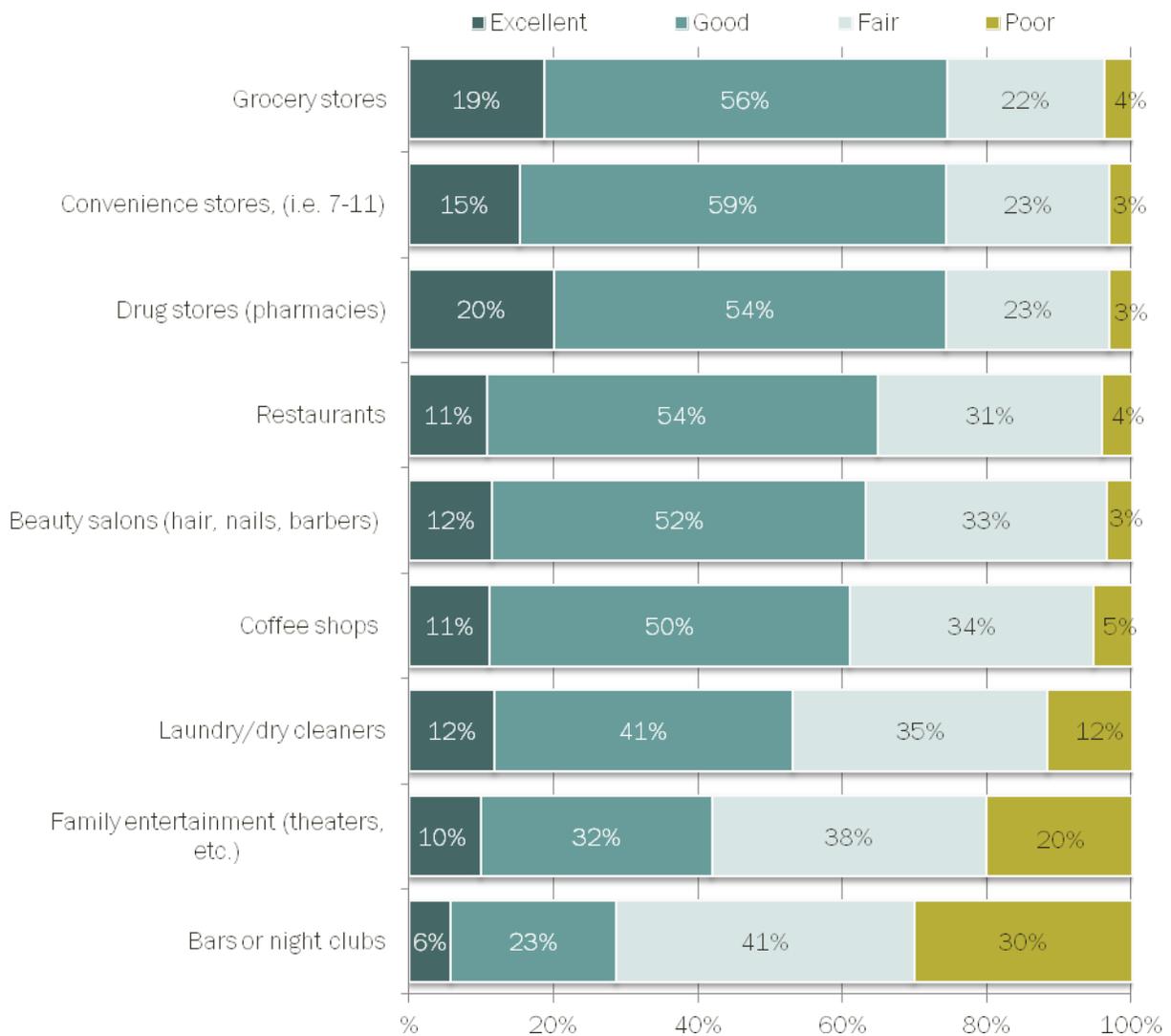


*Total exceeds 100% as respondents could provide more than one response.*

Those who were aware of businesses in their neighborhood were asked to rate their quality, and they generally gave ratings of excellent or good. The lowest ratings were given to bars and night clubs (41% fair and 30% poor) and family entertainment (38% fair and 20% poor). About half the residents with an opinion thought laundries/dry cleaners were excellent or good, and other businesses were thought to be excellent or good by 61% or more of respondents.

Overall, 39% of those aware of bars and night clubs said they did not know enough to rate them; 41% could not rate family entertainment, and 20% did not know enough to rate laundries/dry cleaners. See *Appendix A: Survey Results* for a complete set of responses to all questions, including “don’t knows.”

**Figure 6: Quality of businesses in your neighborhood**

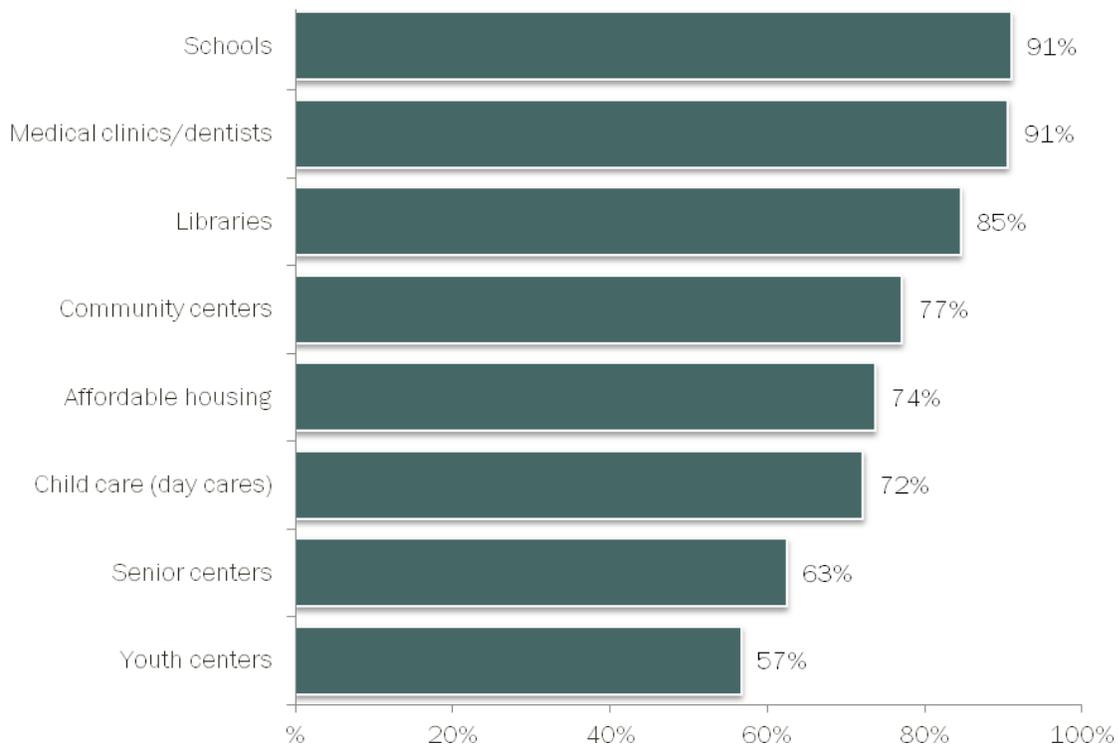


**Community Resources**

When asked whether they were aware of a variety of community resources in their neighborhood, most Waipahu residents agreed that there were schools, medical and dental clinics, libraries, affordable housing, child care, and community, youth or senior centers in their neighborhood.

This did not vary by gender, but renters were more likely than owners to identify libraries and affordable housing in the neighborhood. Those closer to the Waipahu Transit Center station were more likely to identify libraries and community and senior centers, and those closer to the West Loch station were more likely to identify child care centers.

**Figure 7: Presence of community resources in neighborhood**

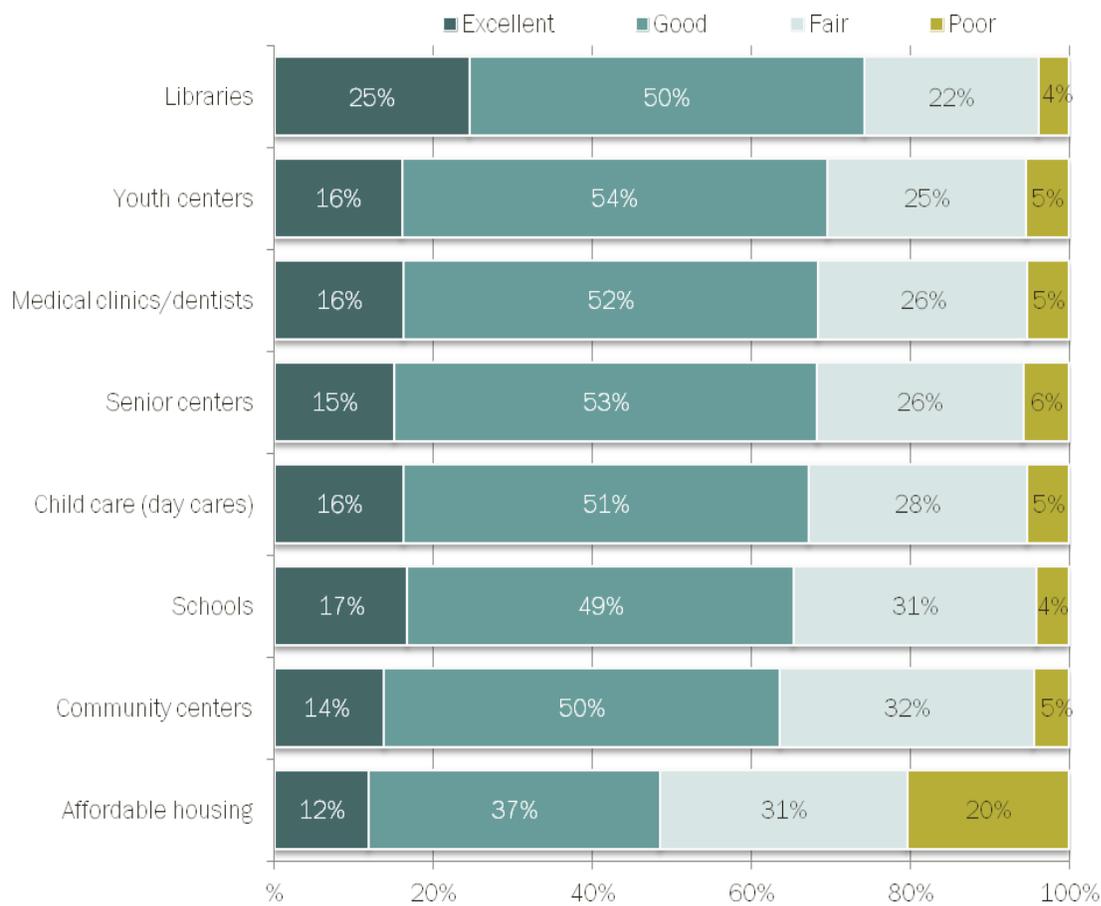


*Total exceeds 100% as respondents could provide more than one response.*

In addition to identifying what community resources were available in their neighborhood, those who were aware of the resource were asked to rate the quality of the resource. Of those who felt they could rate the services, half or more said each of the services were excellent or good. Affordable housing was given the lowest rating; 49% of those with an opinion said it was excellent or good, and 20% thought it was poor. Ratings from Waipahu residents that lived closer to the Waipahu Transit Center station were higher for libraries and youth and community centers than from those that lived closer to the West Loch station.

With the exception of libraries (12%), schools (13%), and medical and dental clinics (18%), 30% or more of Waipahu residents indicated that they did not know enough to rate the community resources listed in Figure 8. See *Appendix A: Survey Results* for a complete set of responses to all questions, including “don’t knows.”

**Figure 8: Quality of community resources in your neighborhood**

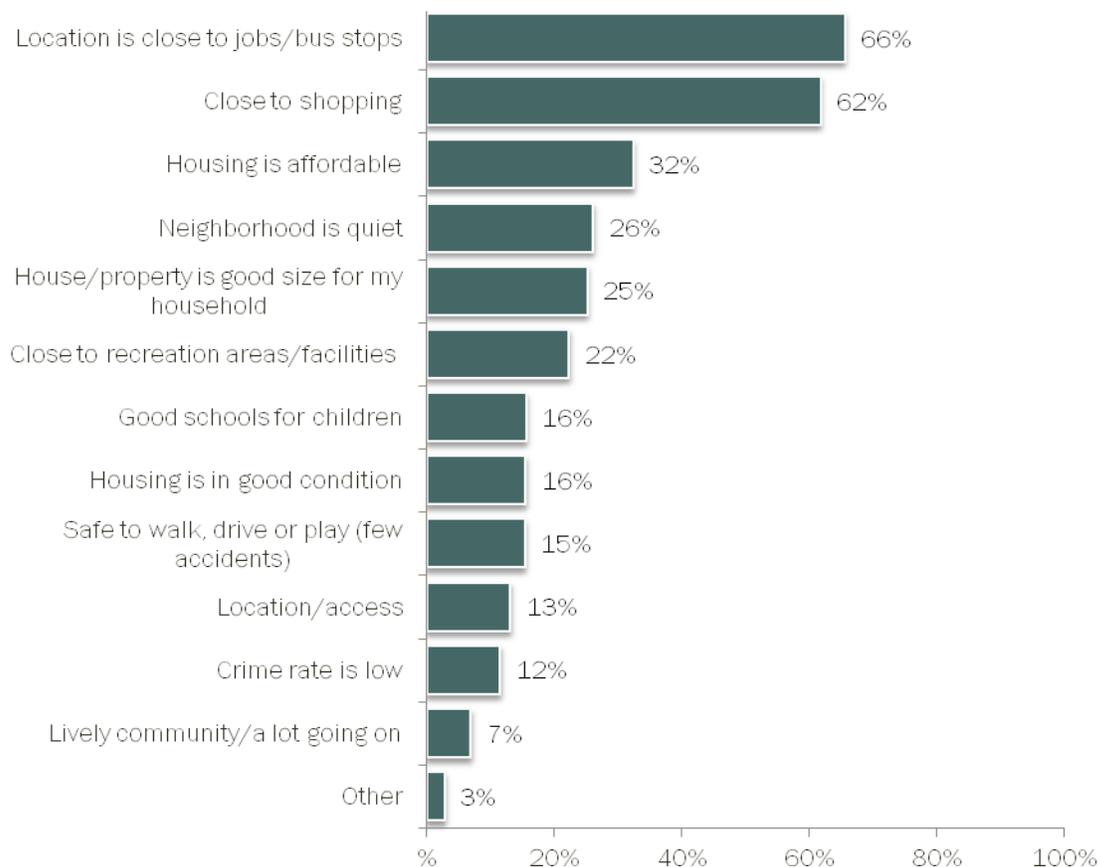


**Best Things about Neighborhood**

Waipahu residents liked the location of their neighborhood. When asked what they liked best about their neighborhood, most said it was close to their jobs, public transportation, and shopping. About one-third said they liked that the housing was affordable, and one-quarter thought the neighborhood was quiet or had appropriately-sized housing for their needs.

Men and women gave similar responses to this question, except that women (37%) were more likely to mention housing affordability than were men (28%). Renters (43%) were more likely than owners (24%) to identify housing affordability as what they liked most about living in Waipahu, and owners (26%) were more likely than renters (17%) to mention the proximity of recreation areas or facilities. Those who lived near the Waipahu Transit Center station were more likely than those near the West Loch station to mention the quietness of the neighborhood (32% versus 19%), proximity to recreation (28% versus 14%) and the good condition of the housing (19% versus 10%). Those who lived near the West Loch station were more likely than those near the Waipahu Transit Center station to mention the proximity to shopping (78% versus 50%) and good schools (22% versus 10%).

**Figure 9: What 3 things do you like most about living in your neighborhood?**



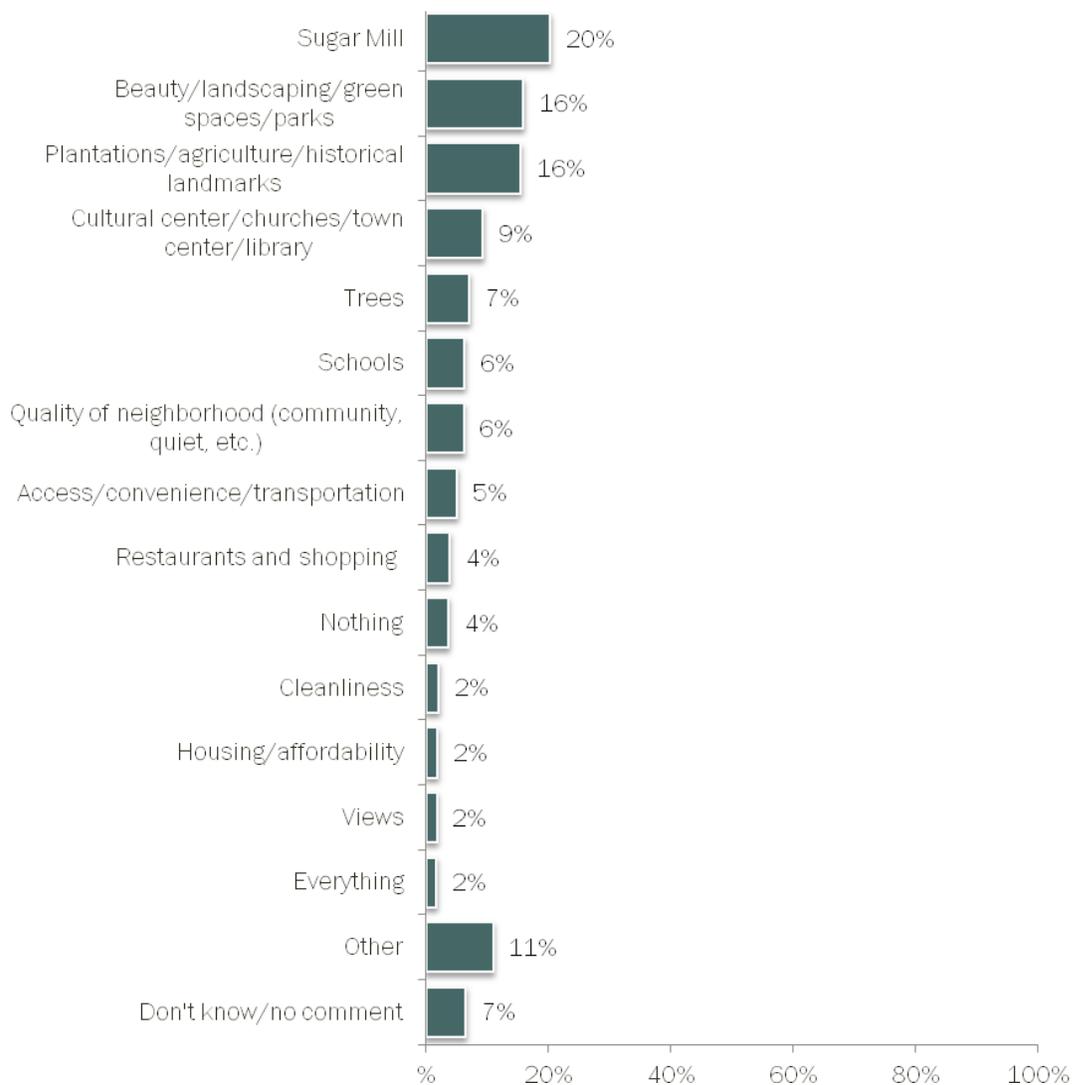
Total exceeds 100% as respondents chose three items.

All responses that fell into the "other" category shown in are included in Appendix E: Responses to Open Ended Questions.

Residents were asked to answer in their own words, the question “What landmarks or characteristics of your neighborhood are most important to preserve?” Their responses were examined and classified into the categories shown in Figure 10. Residents most often mentioned the Sugar Mill or generally said they would like landscaping, green spaces, parks, and historical landmarks preserved.

Women and men had similar responses, but those living near the Waipahu Transit Center station (29%) and owners (27%) were more likely than those living near the West Loch station (8%) and renters (12%) to specifically name the Sugar Mill as important to preserve. Renters (22%) were more likely than owners (11%) to say they wanted landscaping, green spaces and/or parks preserved.

**Figure 10: What landmarks or characteristics of your neighborhood are most important to preserve?**



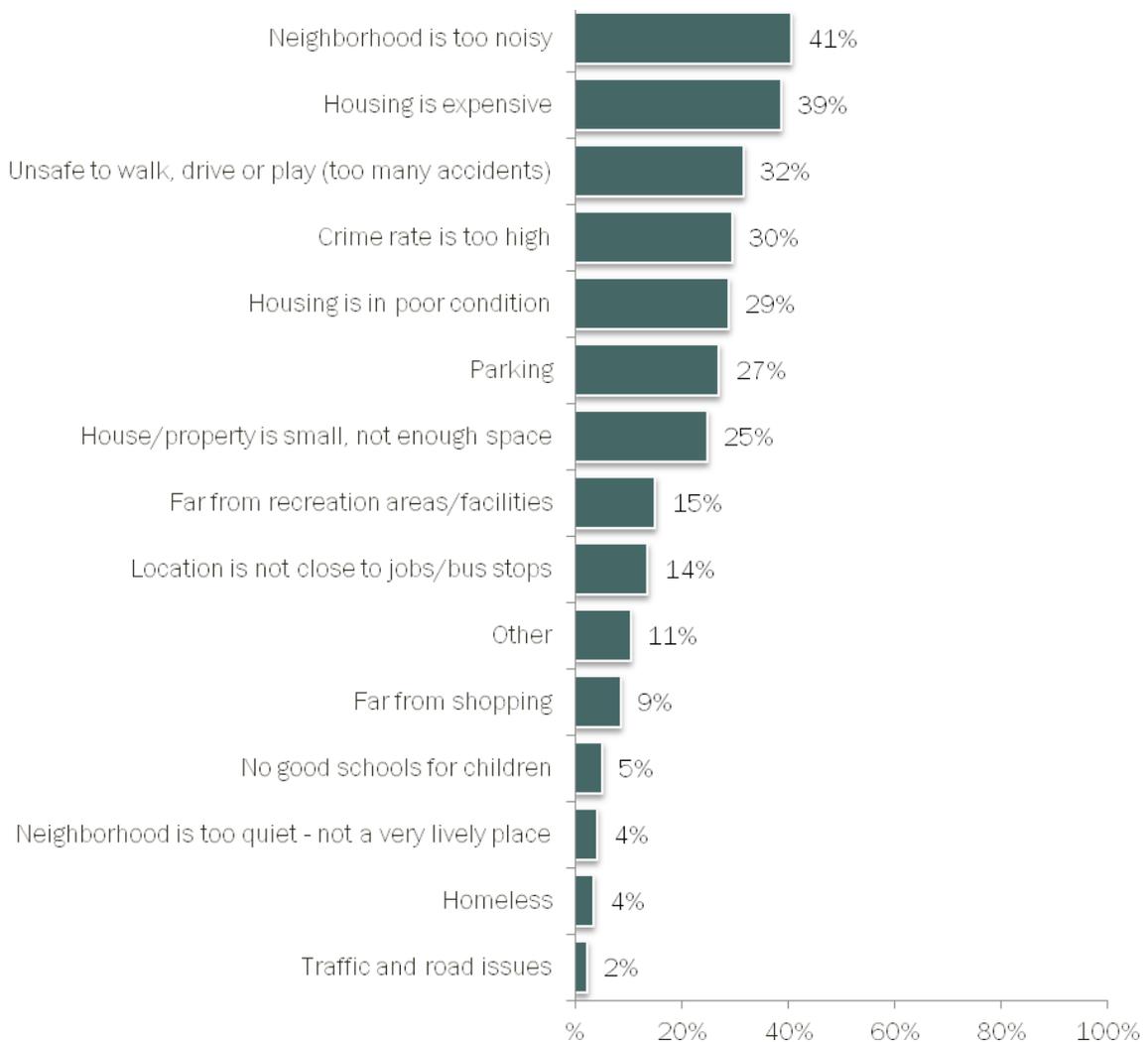
*Total exceeds 100% as respondents could indicate more than one item. All responses that fell into the “other” category shown in are included in Appendix E: Responses to Open Ended Questions.*

**Areas for Improvement**

Residents were also asked to choose the 3 things they liked least about their neighborhood. They could choose from a list or write in a response if their least favorite things were not on the list. The most common complaint was that the neighborhood was too noisy (41%) and the housing costs were high (39%). Others were concerned about physical safety (32%) and safety from crime (30%).

When asked what they least liked about their neighborhood, women more often than men mentioned parking (31% compared to 22%). Renters, more often than owners, mentioned housing being too expensive or in poor condition and the properties being too small. Those closer to the West Loch station more often mentioned the noise in the neighborhood, housing being too expensive or in poor condition, and the location being far from their jobs or transit.

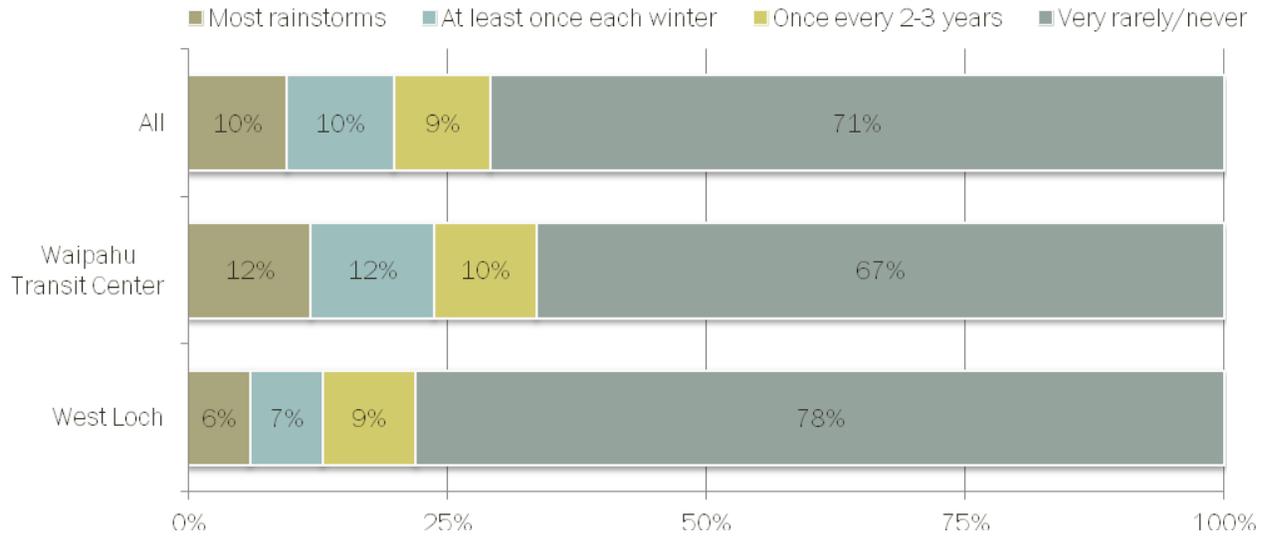
**Figure 11: What 3 things do you like least about living in your neighborhood?**



Total exceeds 100% as respondents chose three items. All responses that fell into the "other" category shown in are included in Appendix E: Responses to Open Ended Questions.

Most residents near the proposed stations were never or very rarely affected by flooding in Waipahu town, but 1 in 10 had issues each rainstorm, and 1 in 10 had flooding issues at least once each winter. Flooding-related problems were more prevalent for residents closer to the West Loch station than for residents closer to the Waipahu Transit Center station.

**Figure 12: How often does flooding in Waipahu town affect you?**

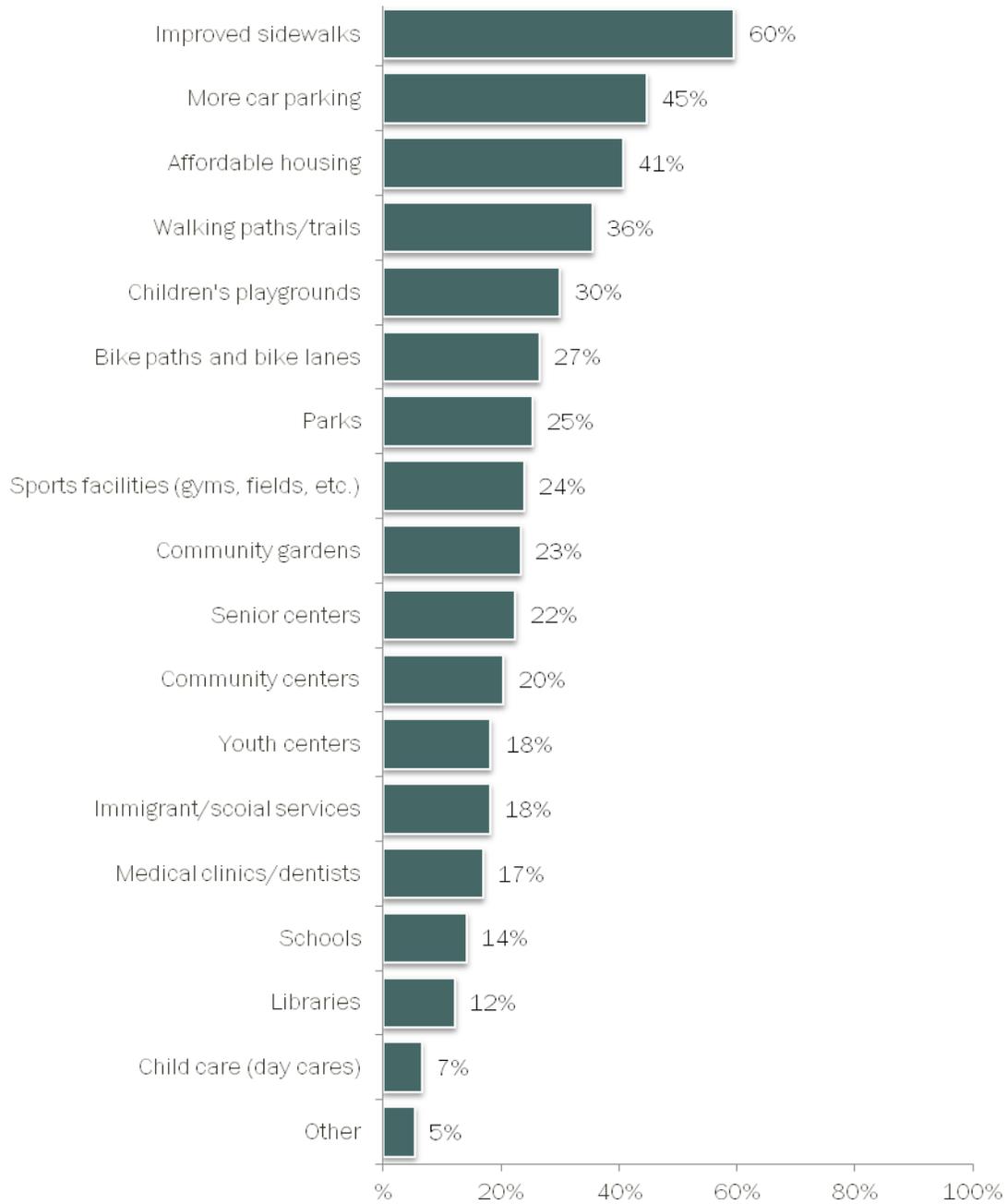


Having outlined what was good or bad about their neighborhoods, residents were asked what five things they would most like to see built or improved. They could choose from a list or write in an item.

The top two concerns were related to mobility; 60% wanted to see improved sidewalks, and 45% wanted more car parking (see Figure 13 on the next page). Many also wanted to see more affordable housing (41%) and more walking paths and trails (36%).

There were no differences among the genders in responses to this question, but there were differences between home renters and owners and between those who lived closer to each station. Owners were more likely to want improved sidewalks, and renters were more likely to want more affordable housing and children's playgrounds. Those located closer to the Waipahu Transit Center station were more likely to want improved sidewalks, more bike paths and lanes, and more senior centers. Those located closer to the West Loch station were more likely to want more car parking and affordable housing, as well as parks and sports facilities.

**Figure 13: Which 5 amenities would you most like to see built or improved in your neighborhood?**

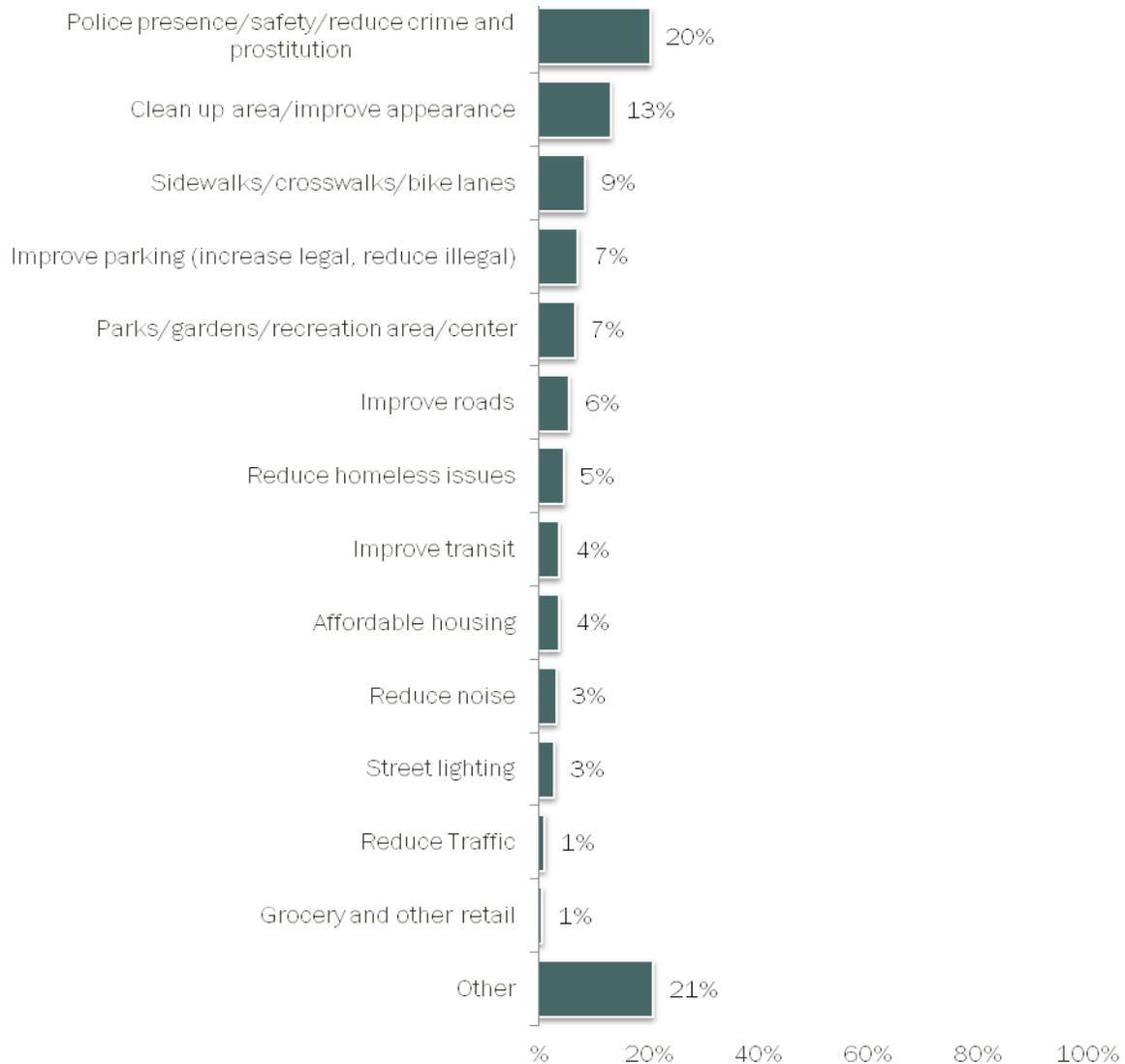


*Total exceeds 100% as respondents chose five items.*

*All responses that fell into the "other" category shown in are included in Appendix E: Responses to Open Ended Questions.*

Residents also were asked to write, in their own words, what one thing they would do to improve their neighborhood. Their responses were classified into categories. About 1 in 5 residents thought issues related to safety and crime should be addressed, and about 1 in 8 wanted their neighborhood cleaned up. Responses between men and women and owners and renters were similar. There was only one difference in responses by resident location; those living closer to the West Loch station (29%) were more likely to want safety and crime addressed than those living closer to the Waipahu Transit Center station (13%).

**Figure 14: If there was one thing you could do to improve your neighborhood what would it be?**



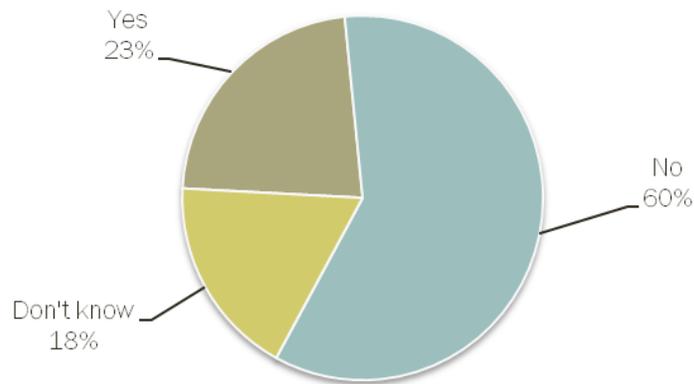
*All responses that fell into the "other" category shown in are included in Appendix E: Responses to Open Ended Questions.*

**Thoughts about Relocation**

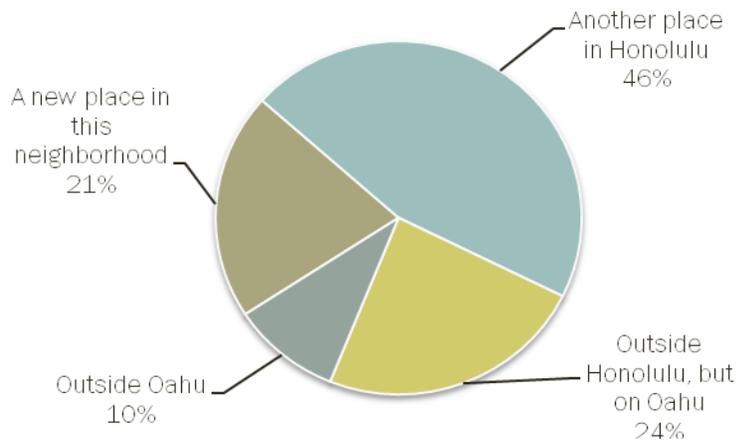
Most Waipahu residents planned to stay in their homes for at least the next two years, 23% said they would move in this time frame, and 18% did not know if they would move. Of those who would move, most did not plan to stay in Waipahu (79%); 46% planned to move to another location in Honolulu, 34% would leave the city, and only 21% would stay within Waipahu.

Renters (38%) were much more likely than owners (10%) to say they would move in the next two years. Most owners who were going to move (66%) said they would move to another place in Honolulu. Renters with moving plans had various destinations (26% would stay in the neighborhood, 38% would find another place in Honolulu, 27% would stay on Oahu outside Honolulu, and 10% would leave the island). Those living closer to the West Loch station (29%) were more likely to say they would move than those living near Waipahu Transit Center station (19%).

**Figure 15: Do you plan to move from your current home in the next two years?**



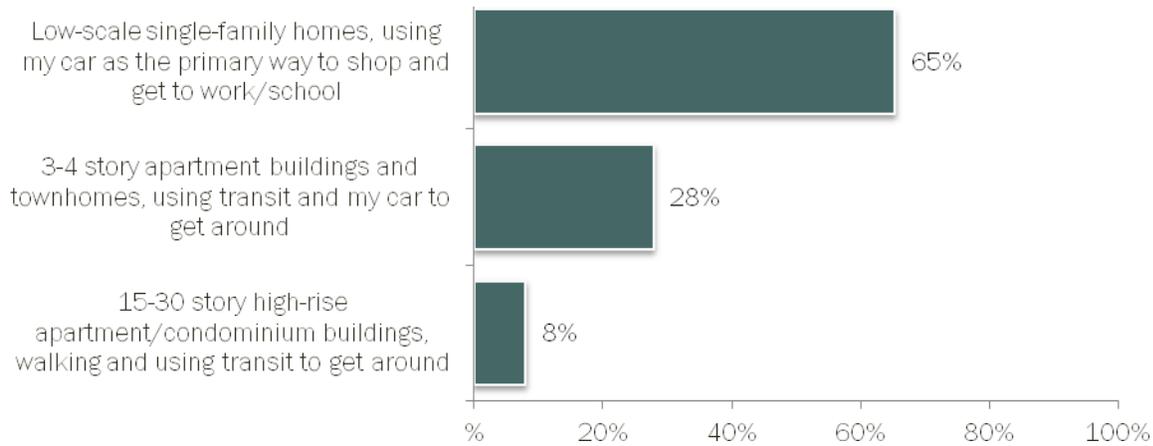
**Figure 16: If yes, where will you move?**



Regardless of their intent to move, Waipahu residents were asked what type of neighborhood they most desired. About two-thirds wanted a neighborhood with low-scale single-family homes and would be happy to primarily use a car for transportation. Few wanted to live in high-rises (8%) and primarily walk and use transit to get around, and others (28%) would like the middle ground—a neighborhood with low-rise apartments (3-4 stories) and opportunities to use cars or transit to get around.

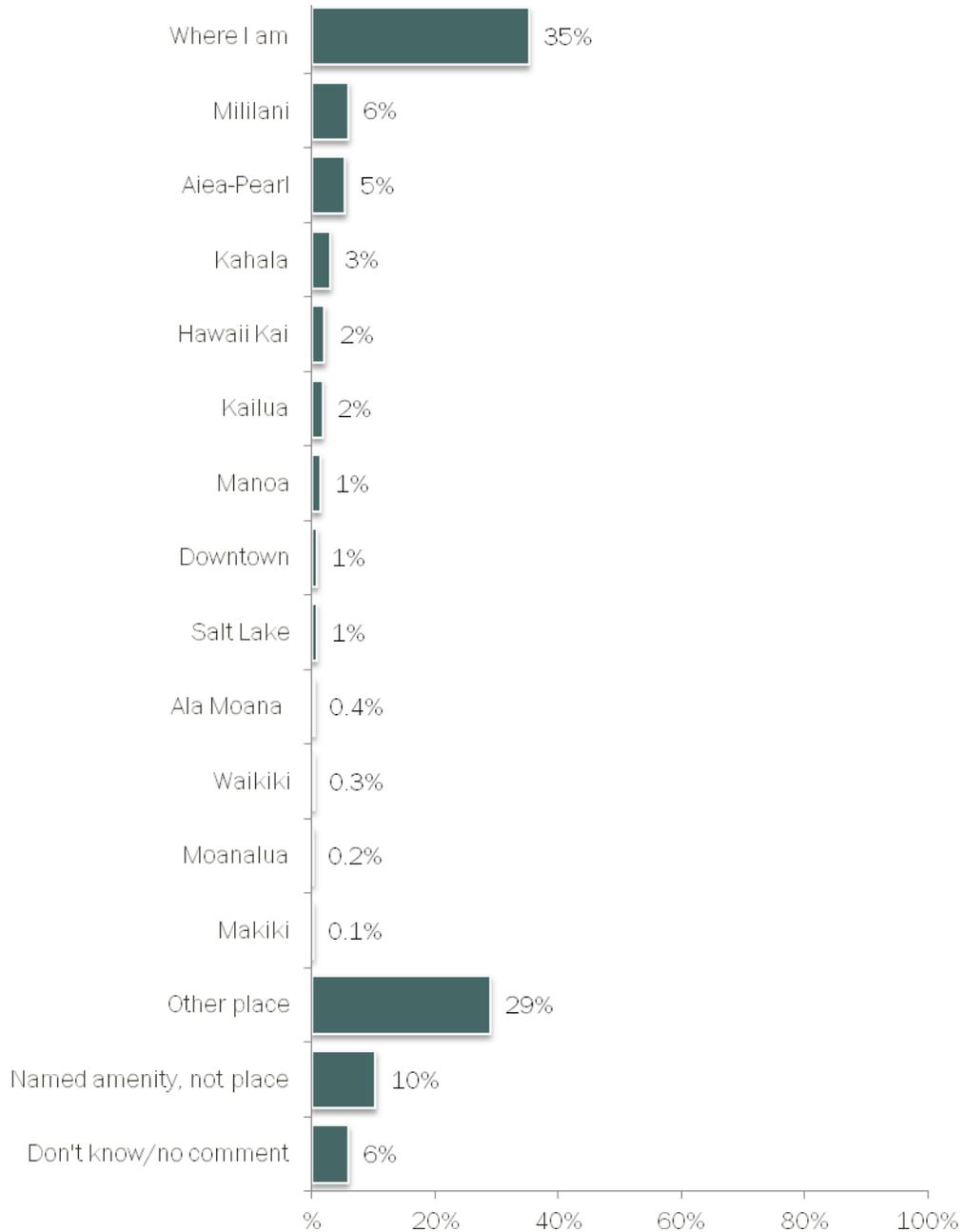
These preferences varied by gender, tenure and house location. Owners (70%), men (72%) and those living closer to the Waipahu Transit Center station (73%) were more likely to want to live in a neighborhood with low-scale single-family homes than were renters (60%), women (60%) and those living closer to the West Loch station (58%). Renters (36%), women (36%) and those living closer to the West Loch station (35%) were more likely to want to live in a neighborhood with low-rise apartments than were owners (22%), men (21%) and those living closer to the Waipahu Transit Center station (20%).

**Figure 17: What type of neighborhood do you most desire to live in?**



When asked what neighborhood in Honolulu they would most like to live in, current Waipahu residents gave a wide variety of responses. Although Waipahu was named most frequently, only 35% said it was their preferred neighborhood. Men (42%) were more likely to want to stay in Waipahu than were women (31%), but responses did not vary by tenure or resident location.

**Figure 18: What neighborhood in Honolulu would you most like to live in?**



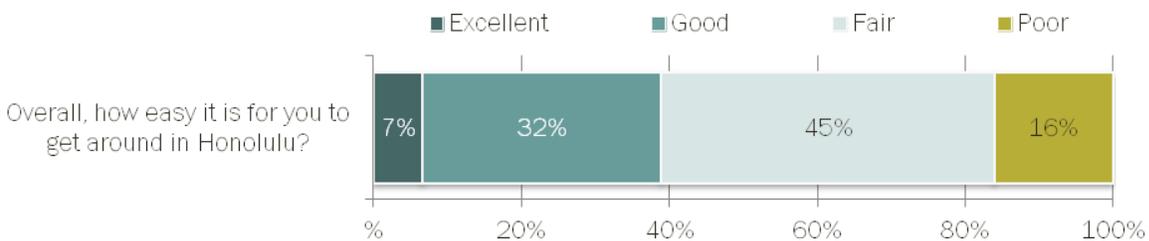
*All responses that fell into the "other" category shown in are included in Appendix E: Responses to Open Ended Questions.*

## Neighborhood Mobility

Respondents were asked about how easy it was to get around their neighborhood by car, bike, walking, and transit and were also asked to rate aspects of the infrastructure that supports these travel modes.

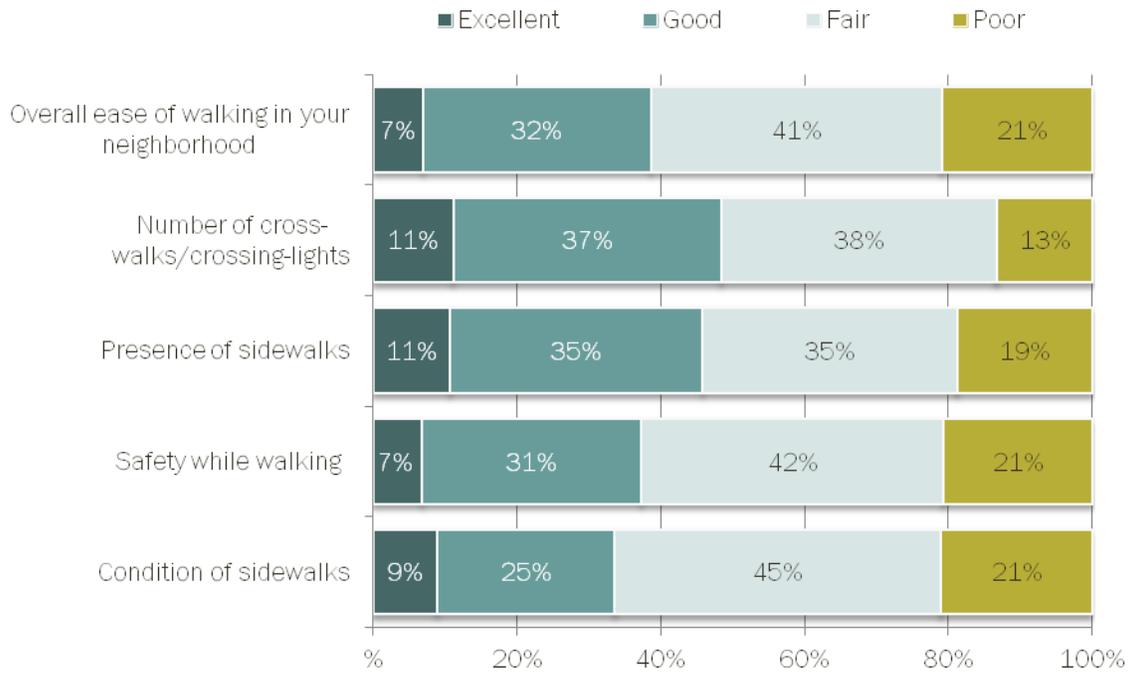
Most Waipahu residents said they could get around Honolulu with at least a fair amount of ease. Only 16% rated their ease of travel as poor, but only 7% said it was excellent. Getting around Waipahu was easiest with transit (Figure 23), followed by walking (Figure 20) or car (Figure 23); biking (Figure 21) was thought by most to be difficult.

**Figure 19: Overall ease of getting around Honolulu**

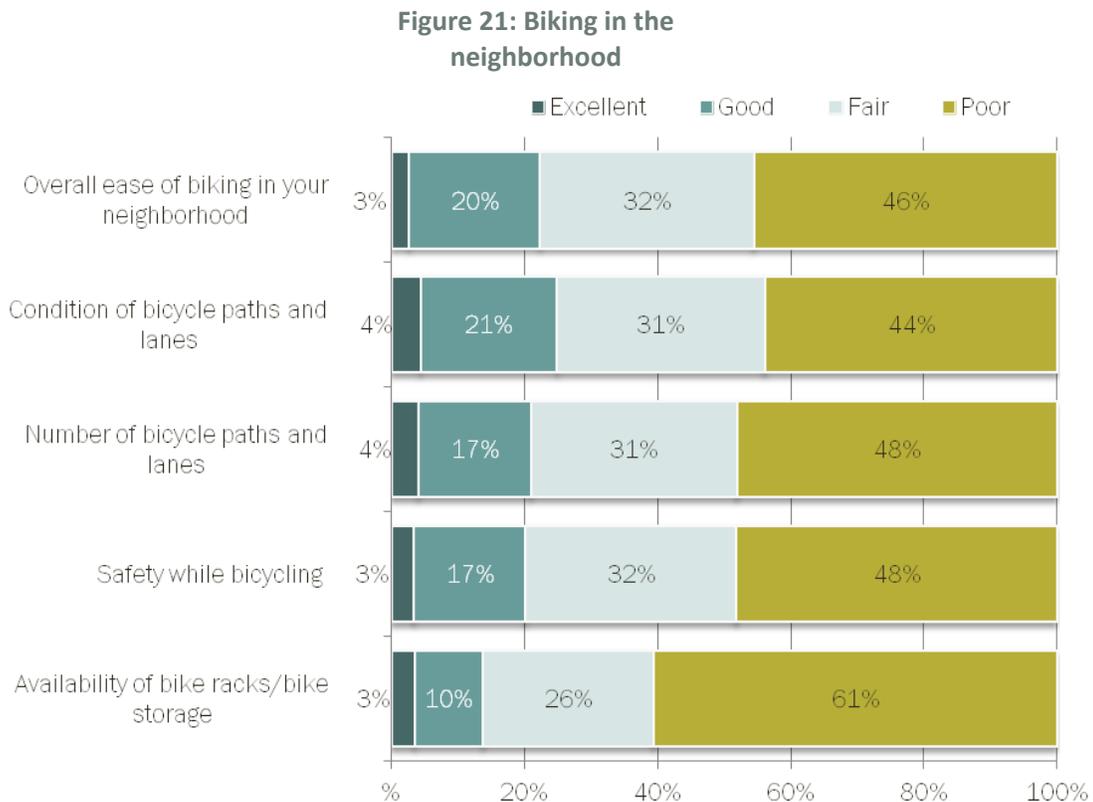


Fewer than half of Waipahu residents rated the overall ease of walking in their neighborhood as excellent or good, and fewer than half rated components of walking infrastructure (cross-walks and lighting, safety, and presence and condition of sidewalks) as excellent or good. Women gave better ratings than men for the number of cross-walks and crossing-lights. Renters and those living closest to the West Loch station gave better ratings for the presence or sidewalks than did owners and those living closer to the Waipahu Transit Center station.

Figure 20: Walking in the neighborhood

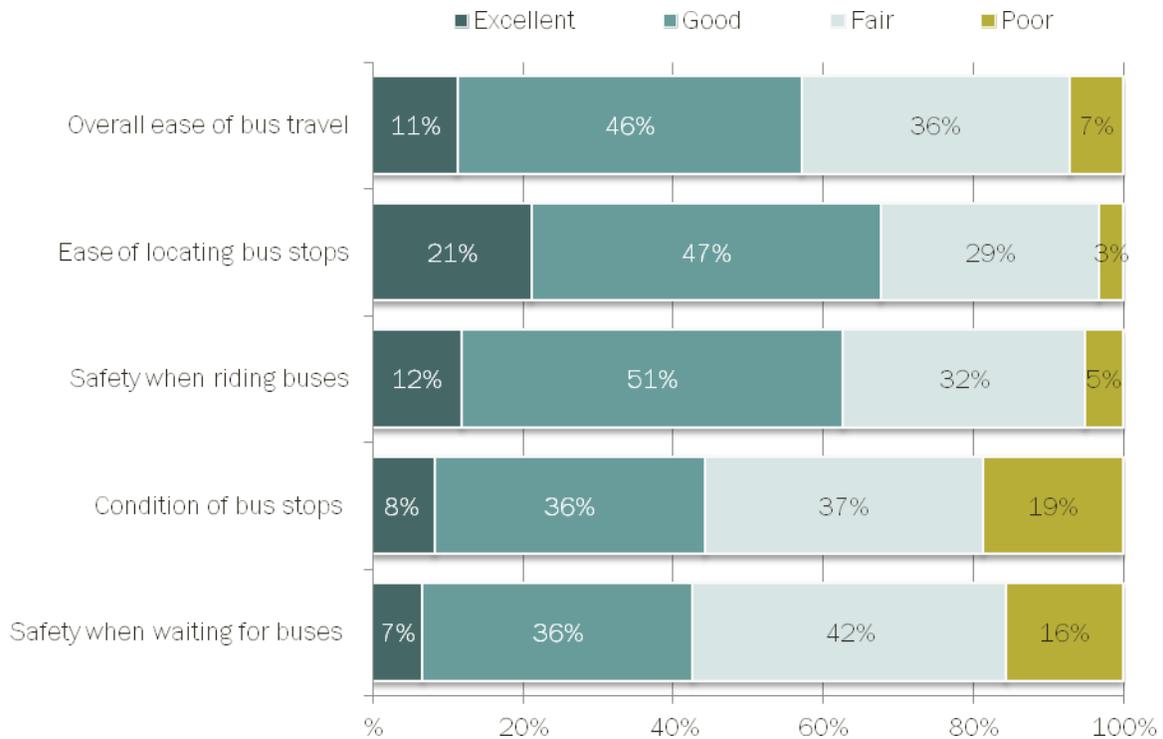


Overall about 80% of Waipahu residents thought they knew enough about biking in the neighborhood to answer questions about it. Of these residents that expressed an opinion, close to half rated the number and condition of bike paths and lanes, safety while biking, and the overall ease of biking in Waipahu as poor. More than half thought the availability of bike racks and storage was poor. Men and homeowners gave worse ratings than women and renters for the number of bike lanes and paths in the neighborhood.

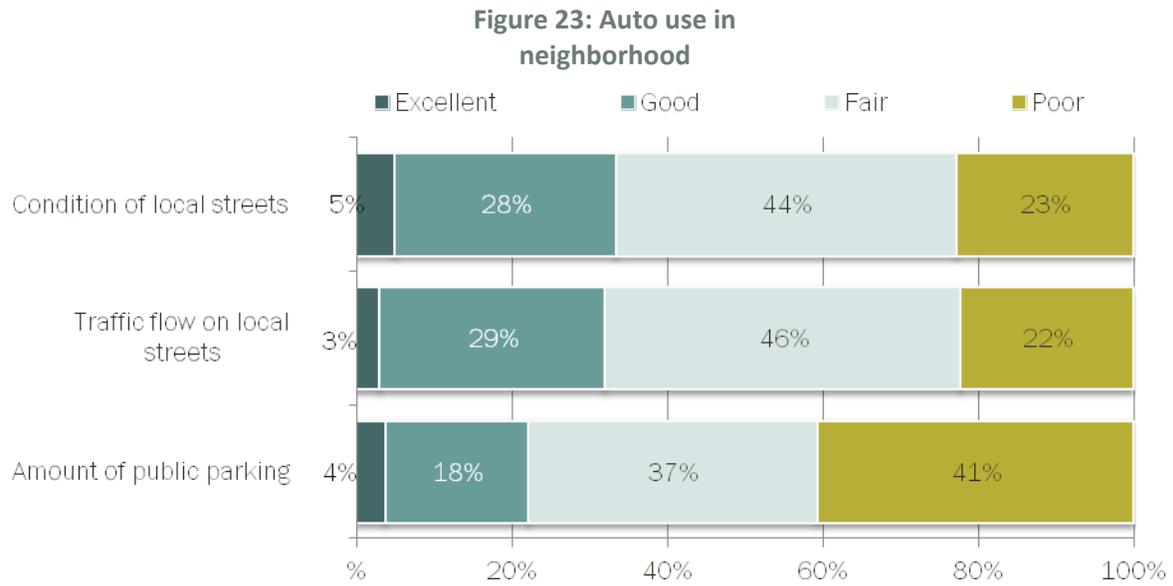


Public transit was rated as the easiest way to get around Waipahu. Residents generally gave good (or better) ratings for the ease of locating bus stops and safety when riding buses. There was more concern about the condition of bus stops and safety while waiting for buses; more than half rated these as fair or poor. The condition of bus stops was rated better by those living closer to the Waipahu Transit Center station than the West Loch station.

**Figure 22: Public transit in the neighborhood**



Driving in Waipahu was rated more highly than biking, similar to walking, and less easy than taking the bus. Only 32% of residents thought the traffic flow on their neighborhood streets was excellent or good, and 22% rated it as poor. Public parking was rated as poor by 41% of residents, and the condition of local streets was rated as poor by 23%.

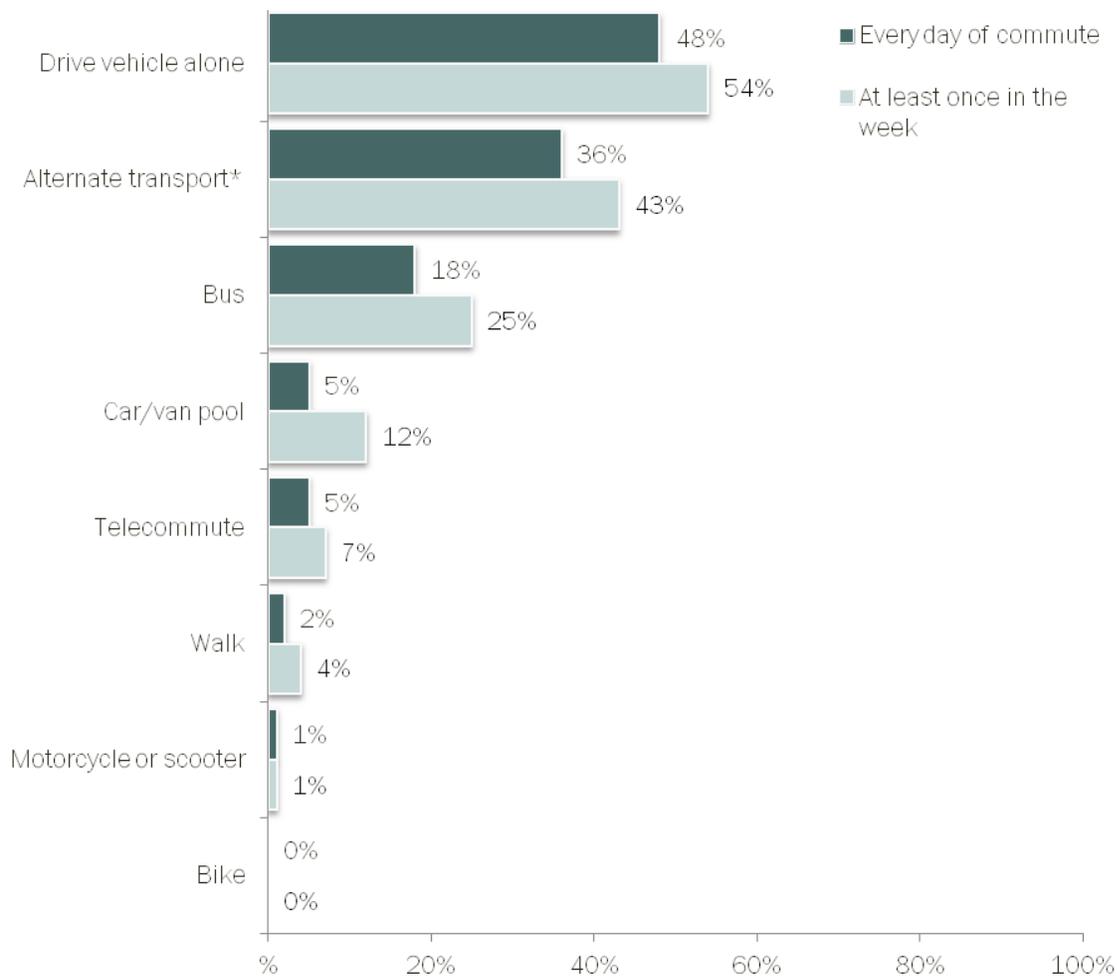


**Travel Patterns**

Just under half of Waipahu residents who were working or attending school used alternate transportation modes for at least one day of their commute during the week, and about half drive alone every day. About one-third (36%) used alternate transportation modes every day of the week. Taking the bus was the most commonly used alternate transportation mode.

Renters were more likely than home owners to use alternate transportation modes; 52% of renters had used an alternate mode at least once in the week prior to the survey, compared to 37% of owners, and 46% of renters had used alternate modes every day compared to 29% of owners. Women were more likely than men to use alternate transportation modes; 52% of women had used an alternate mode at least once in the week prior to the survey compared to 34% of men, and 43% of women had used alternate modes every day compared to 30% of men. More residents that lived closer to West Loch station used alternate modes at least once (49%) or every day (44%) in the week prior to the survey, compared to 37% and 30% of those living closer to the Waipahu Transit Center station.

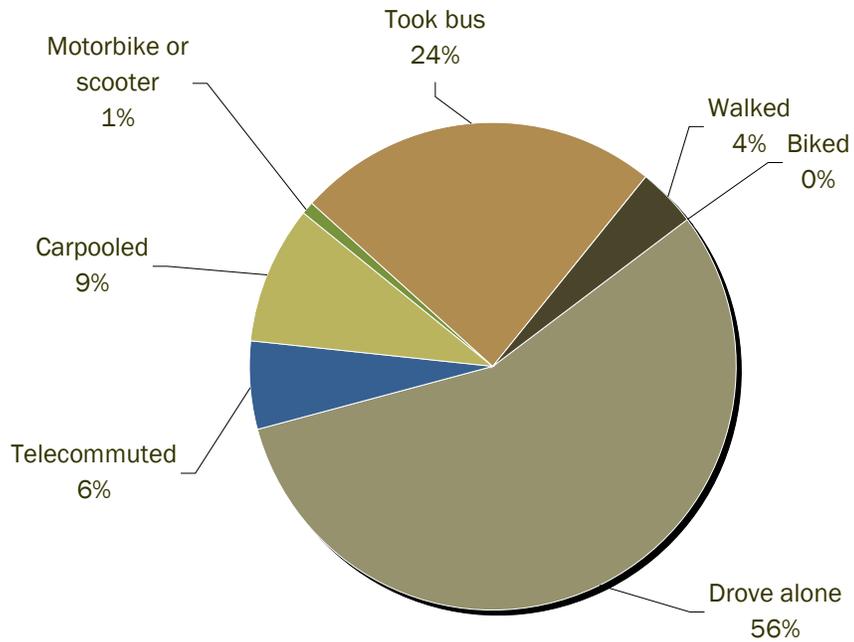
**Figure 24: Commuted by travel mode in prior week (if worked or attended school)**



\*Alternate transportation= bus, walk, bike, car or vanpool, or telecommute. Total may exceed 100% as respondents could use more than one mode.

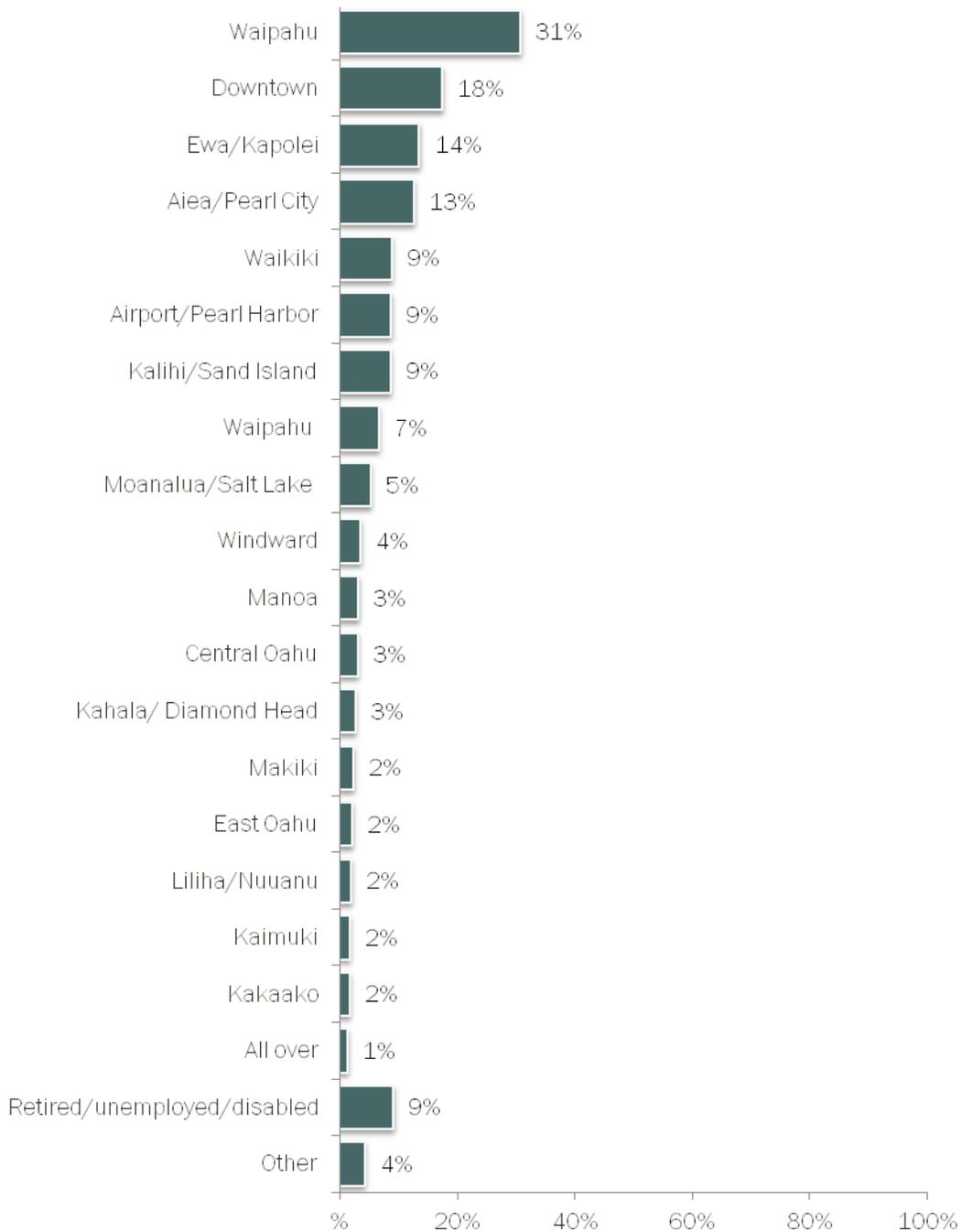
Overall, the 547 respondents reported commuting an average of 4 days, or a total of 2,150 total commuting days, in the week prior to completing the Waipahu survey. The primary commute mode for 56% of these commuting days was driving alone. Waipahu residents commuted by bus for 24% of the days and walked on 4%. Renters (45%), women (48%), and those living closer to the West Loch station (50%) had a lower proportion of commuting days driving alone than did homeowners (64%), men (64%), and those living closer to the Waipahu Transit Center station (62%).

**Figure 25: Overall commute mode share**



About one-third of those living near the proposed Waipahu rail stations also worked in Waipahu. Work location did not vary by gender or housing tenure, but more Waipahu residents that lived closer to the West Loch station (42%) worked in Waipahu than those that lived closer to the Waipahu Transit Center station (24%).

**Figure 26: Location of work or school**



Total may exceed 100% as respondents could work at more than one location. All responses that fell into the "other" category shown in are included in Appendix E: Responses to Open Ended Questions.

Most households in Waipahu had at least one car (90%), and many had two or more cars (54%). Ratings for the safety of biking in Waipahu were poor, and bikes were not very prevalent in Waipahu households. Only 25% of households had adult bikes, and only 41% of households with children had children's bikes.

**Table 1: Number of vehicles and bikes in household**

	Vehicles	Adult bikes	Children's bikes
None	10%	75%	82%
1	36%	14%	10%
2	34%	9%	6%
3 or more	21%	3%	2%

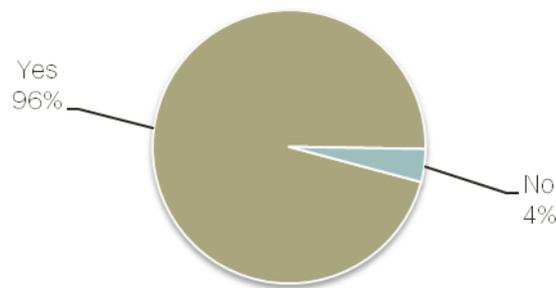
**Table 2: Number of vehicles and bikes in households with children**

	Vehicles	Adult bikes	Children's bikes
None	8%	67%	59%
1	27%	16%	22%
2	37%	12%	15%
3 or more	29%	5%	4%

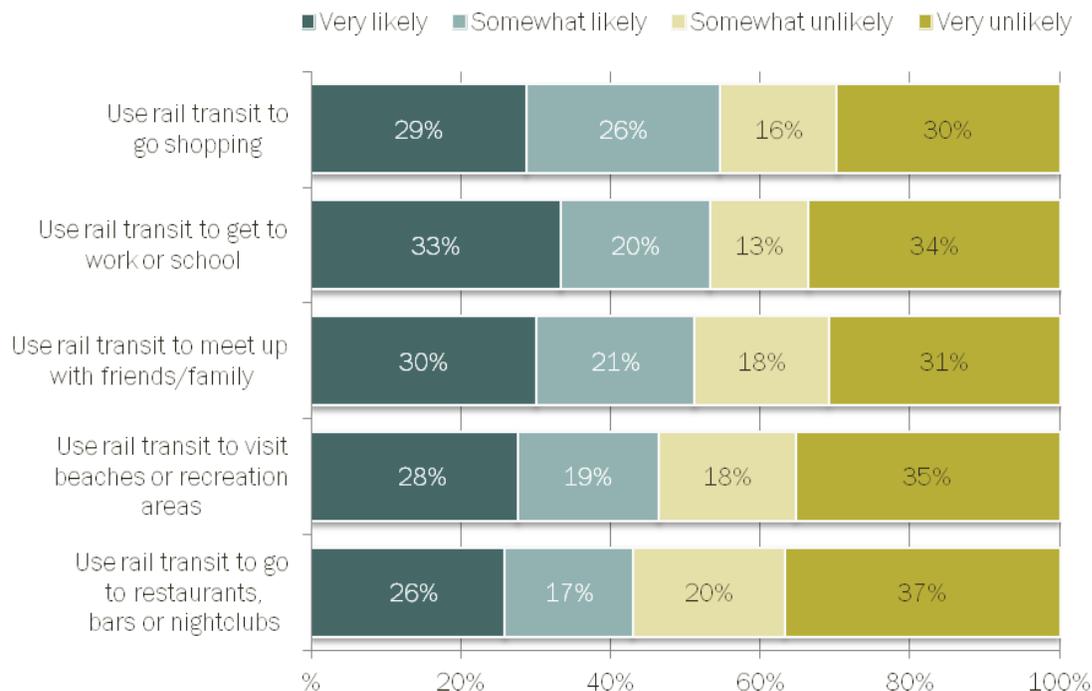
Very few Waipahu residents had not heard about plans for building a rail transit line in Honolulu. About 40% to 50% of residents thought they would use this rail line for a variety of trips once it was built. The most likely use of the rail line was for trips to go shopping or get to work or school (just over 50% were very or somewhat likely to use it for these types of trips), and the least likely reason was to go to restaurants, bars, or nightclubs (43% were very or somewhat likely to use it).

Men were more likely than women to say they would use the rail to go shopping or get to work or school, and those closer to the West Loch station were more likely to use rail to get to work or school.

**Figure 27: Before receiving this survey, were you aware that the City and County of Honolulu is planning to build a rail transit line?**



**Figure 28: Once it is built, how likely or unlikely will you or someone in your household be to use rail transit for the following trips?**



Those who typically used alternate travel modes were more likely than those who typically drive alone to work or school to say that they would use rail transit for their trips. However, many of those who drove alone were willing to try rail transit.

**Figure 29: Somewhat or very likely to use rail transit by typical commute mode**

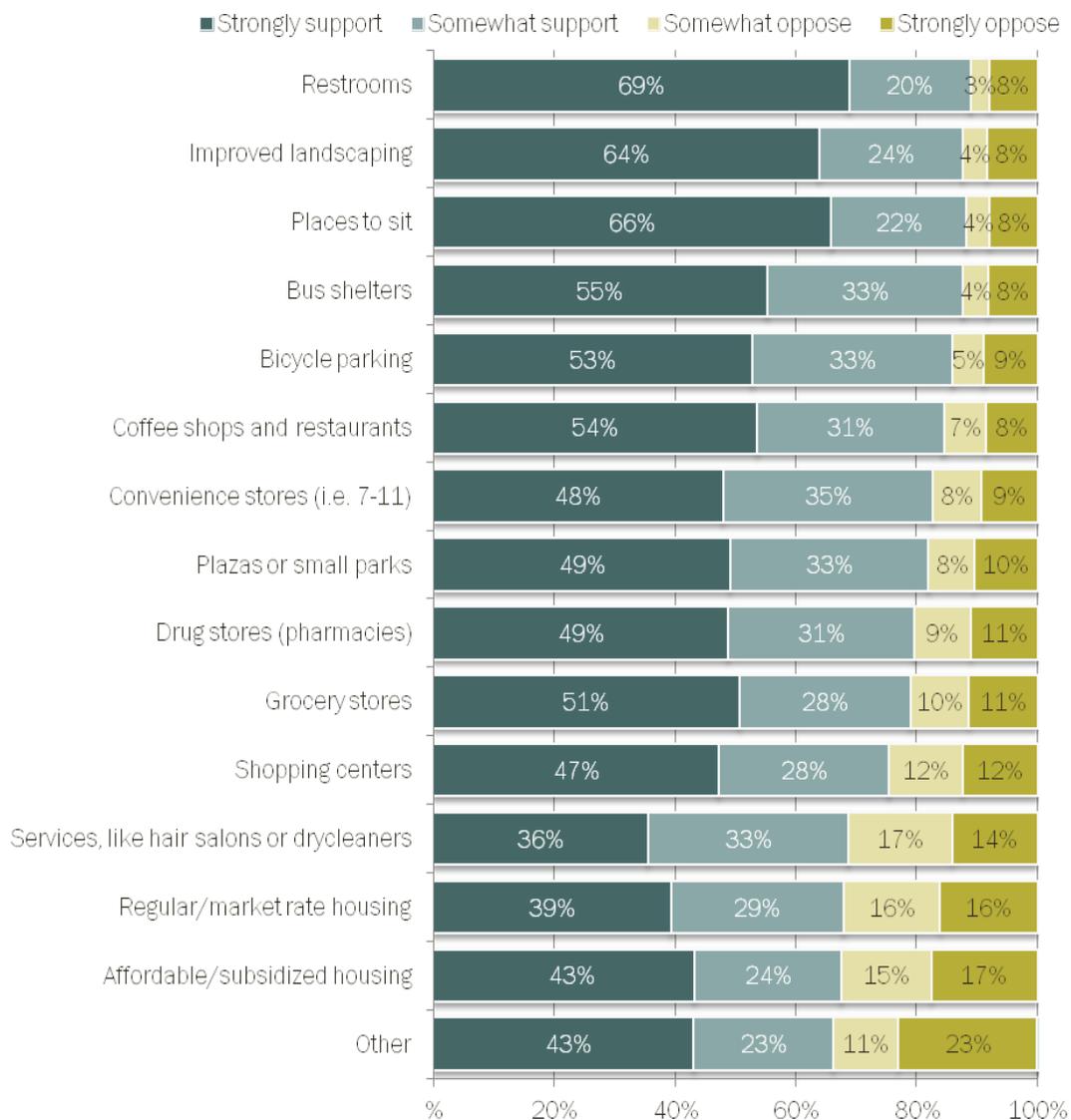
	Typically drive alone	Typically use alternate modes
Use rail transit to get to work or school	44%	69%
Use rail transit to go shopping	49%	65%
Use rail transit to go to restaurants, bars or nightclubs	36%	57%
Use rail transit to visit beaches or recreation areas	39%	60%
Use rail transit to meet up with friends/family	44%	65%

## Development Opportunities

When residents were asked which of a list of amenities they would support (or oppose) being built near the new West Loch station, most supported every amenity listed. Strongest support was for restrooms, landscaping, and places to sit, and weakest support was for affordable/subsidized housing. Still, 66% of residents supported affordable/subsidized housing.

Renters were more likely than homeowners to support building affordable housing, and owners expressed stronger support for building bus shelters and bicycle parking. Men were more likely than women to support building shopping centers.

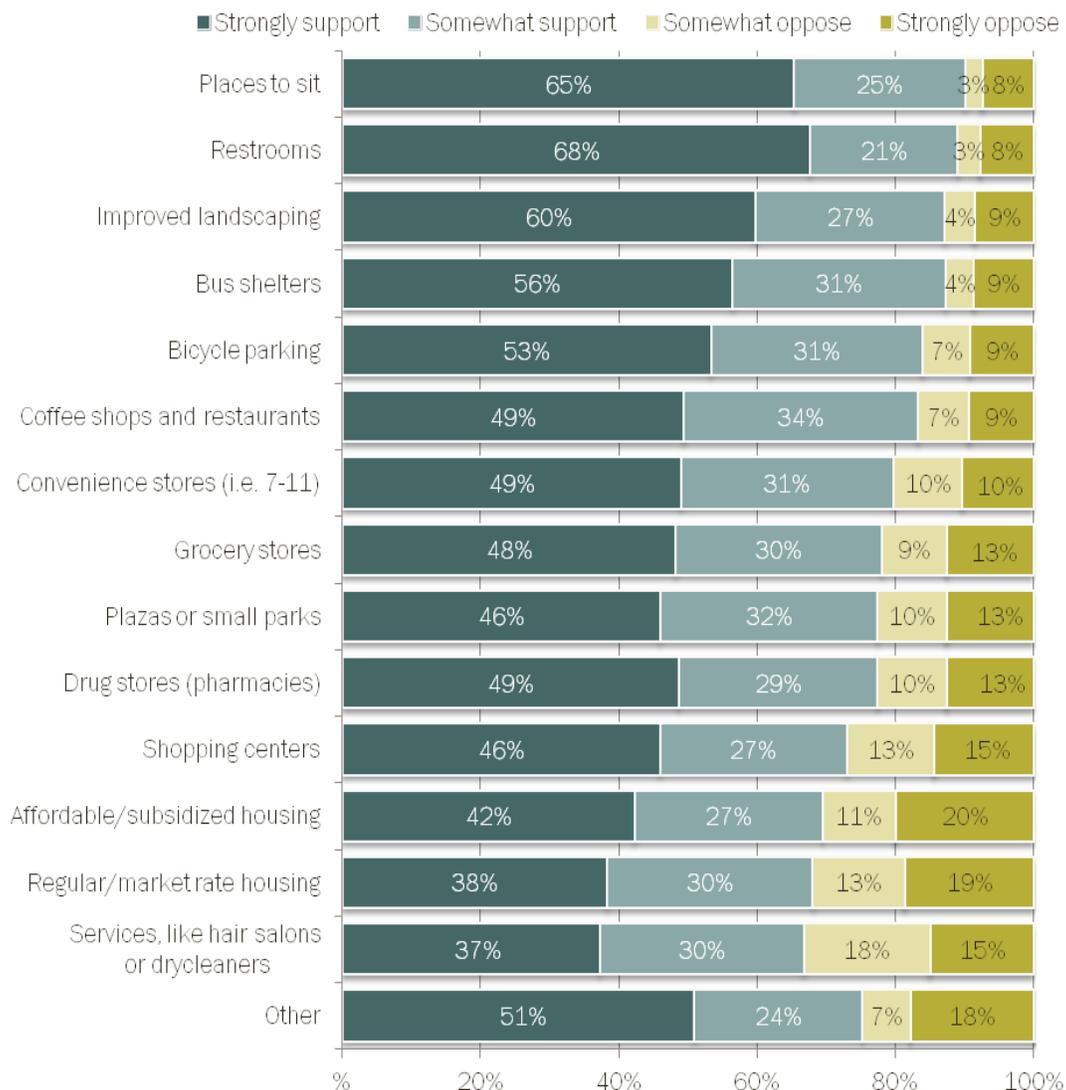
**Figure 30: Support for building the following near the West Loch rail station**



Similar to the West Loch station, Waipahu residents were generally supportive of building most amenities listed near the Waipahu Transit Center station. Strongest support was for places to sit, restrooms, and improved landscaping. Weakest, but still substantial, support was for services like hair salons or drycleaners.

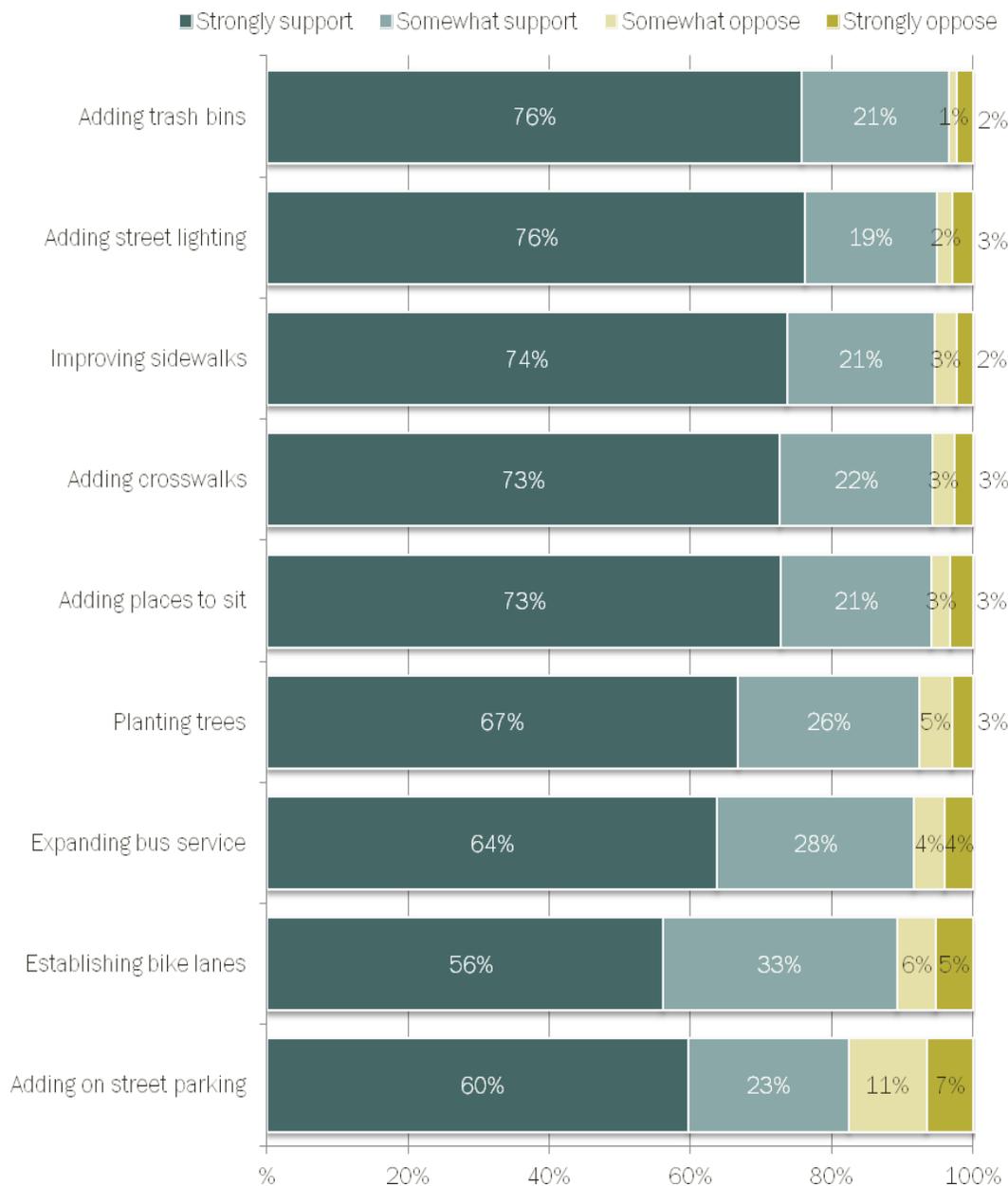
There were no differences in support between men and women, but renters were more likely than homeowners to support affordable housing development. Owners offered stronger support than renters for adding drug and convenience stores, plazas or small parks, bus shelters, places to sit, and improved landscaping.

**Figure 31: Support for building the following near the Waipahu Transit Center station**



Support for improving major streets near the Waipahu Transit Center and West Loch stations was strong and did not vary by gender, tenure or household location. Residents would welcome all the improvements suggested and most strongly supported adding trash bins, street lights, crosswalks, and places to sit, as well as improving sidewalks.

**Figure 32: How strongly would you support or oppose the following improvements for major streets near the Waipahu Transit Center and West Loch stations?**



## Appendix A: Survey Results

The 95 percent confidence level for the survey is generally no greater than plus or minus four percentage points around any given percent reported for all the respondents (547). If there is a question where not all respondents were required to respond, the results for that question will have a wider confidence interval (For example, in questions 5 and 6, only those who said an amenity or business existed in their neighborhood were asked to rate it). Therefore, where estimates are given for subgroups, they are less precise.

Please rate each of the following characteristics of your neighborhood.	Question 1										Total	
	Excellent		Good		Fair		Poor		Don't know		Percent	Number
	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number		
Cleanliness of public spaces (including streets/sidewalks)	5%	29	28%	153	43%	233	23%	127	0%	1	100%	544
Availability of trash/recycling receptacles	10%	52	32%	172	36%	193	20%	108	2%	11	100%	536
Presence of trees and other shade providing canopies	6%	33	28%	149	35%	186	29%	156	2%	11	100%	534
Presence of sidewalks	11%	58	35%	189	35%	191	19%	102	0%	3	100%	542
Condition of sidewalks	9%	47	24%	131	45%	241	21%	111	1%	6	100%	536
Number of cross-walks/crossing-lights	11%	59	37%	199	38%	205	13%	72	1%	5	100%	540
Safety while walking	7%	36	30%	162	42%	224	21%	111	1%	5	100%	538
Overall ease of walking in your neighborhood	7%	37	31%	170	40%	216	21%	112	1%	4	100%	539
Number of bicycle paths and lanes	3%	18	14%	77	26%	142	41%	220	15%	81	100%	538
Condition of bicycle paths and lanes	3%	18	16%	85	25%	129	35%	183	21%	113	100%	527
Availability of bike racks/bike storage	3%	14	8%	41	20%	103	46%	245	23%	124	100%	527
Safety while bicycling	3%	14	14%	72	26%	136	39%	207	19%	101	100%	532
Overall ease of biking in your neighborhood	2%	11	16%	84	26%	138	37%	196	19%	102	100%	530
Ease of locating bus stops	21%	113	46%	247	29%	154	3%	17	1%	5	100%	536
Condition of bus stops	8%	44	35%	191	37%	197	18%	99	2%	9	100%	539
Safety when waiting for buses	6%	34	34%	184	40%	213	15%	79	5%	26	100%	536
Safety when riding buses	11%	57	45%	240	29%	153	4%	23	12%	62	100%	535
Overall ease of bus travel	10%	55	42%	225	33%	175	7%	35	7%	40	100%	531
Condition of local streets	5%	27	28%	152	43%	234	22%	121	1%	5	100%	539
Traffic flow on local streets	3%	16	29%	154	45%	243	22%	117	2%	9	100%	539
Amount of public parking	4%	19	17%	91	35%	183	38%	201	6%	29	100%	522
Overall, how easy it is for you to get around in Honolulu?	7%		32%		44%		16%		2%		100%	

Question 2		
How often does any member of your household use neighborhood parks?	Percent	Number
Almost daily	8%	41
A few times a week	16%	86
A few times a month	22%	120
Once a month or less	29%	157
Never	25%	134
Total	100%	538

Question 3													
Please rate the quality of the parks in your neighborhood for the following:	Excellent		Good		Fair		Poor		Don't know		Total		
	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	
	Quality of parks for playing sports	13%	70	35%	187	27%	143	13%	72	13%	68	100%	541
Quality of parks for exercising	7%	40	32%	174	30%	163	16%	85	14%	76	100%	538	
Quality of park playgrounds for children	5%	27	23%	126	28%	153	29%	154	15%	78	100%	539	
Quality of parks for picnicking or hanging out	6%	31	22%	120	29%	154	28%	149	15%	83	100%	538	

Question 4													
How safe do you feel in your neighborhood parks?	Very safe		Somewhat safe		Somewhat unsafe		Very unsafe		Not applicable		Total		
	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	
	In parks during the day	19%	105	50%	269	17%	94	6%	32	8%	43	100%	543
In parks at night	5%	26	18%	98	31%	168	36%	192	10%	53	100%	537	
In parks, when homeless people are present	3%	14	11%	58	25%	132	49%	264	13%	67	100%	535	

Question 5a		
We'd like to know if you have the following businesses in your neighborhood	Percent	Number
Restaurants	95%	492
Bars or night clubs	70%	364
Coffee shops	71%	370
Beauty salons (hair, nails, barbers)	94%	487
Family entertainment (theaters, etc.)	16%	81
Grocery stores	98%	508
Drug stores (pharmacies)	92%	478
Convenience stores, (i.e. 7-11)	97%	504
Laundry/dry cleaners	80%	419
Total	100%	520

Question 5b												
If you have the following businesses in your neighborhood, how you would rate them overall. Are they excellent, good, fair or poor?	Excellent		Good		Fair		Poor		Don't know		Total	
	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number
Restaurants	10%	53	52%	265	30%	153	4%	20	4%	19	100%	509
Bars or night clubs	4%	16	14%	62	25%	112	18%	81	39%	174	100%	444
Coffee shops	9%	39	43%	178	29%	120	4%	19	15%	61	100%	417
Beauty salons (hair, nails, barbers)	10%	48	43%	214	28%	138	3%	14	16%	80	100%	493
Family entertainment (theaters, etc.)	6%	16	19%	51	22%	61	12%	32	41%	111	100%	270
Grocery stores	18%	94	55%	280	21%	109	4%	19	1%	7	100%	508
Drug stores (pharmacies)	20%	97	53%	263	22%	109	3%	15	2%	10	100%	494
Convenience stores, (i.e. 7-11)	15%	76	58%	294	22%	112	3%	16	2%	8	100%	505
Laundry/dry cleaners	9%	44	33%	156	28%	133	9%	44	20%	91	100%	469

Question 6a		
We'd like to know if you have the following resources in your neighborhood	Percent	Number
Libraries	85%	443
Schools	91%	476
Child care (day cares)	72%	378
Youth centers	57%	297
Community centers	77%	403
Senior centers	63%	327
Medical clinics/dentists	91%	474
Affordable housing	74%	386
Total	100%	523

Question 6b												
If you have the following resources in your neighborhood, how you would rate them overall. Are they excellent, good, fair or poor?	Excellent		Good		Fair		Poor		Don't know		Total	
	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number
Libraries	22%	105	44%	213	19%	94	3%	17	12%	58	100%	487
Schools	15%	74	43%	214	27%	135	4%	18	13%	63	100%	503
Child care (day cares)	10%	45	30%	140	16%	76	3%	15	40%	186	100%	461
Youth centers	9%	40	32%	134	15%	63	3%	14	41%	172	100%	422
Community centers	10%	46	35%	165	23%	106	3%	15	29%	134	100%	465
Senior centers	8%	36	29%	126	14%	61	3%	14	45%	192	100%	428
Medical clinics/dentists	13%	66	43%	214	22%	108	4%	22	18%	90	100%	500
Affordable housing	9%	40	27%	125	23%	106	15%	70	28%	130	100%	471

Question 7 Like Most		
What 3 things do you like most about living in your neighborhood?	Percent	Number
Location is close to jobs/bus stops	66%	346
Close to shopping	62%	326
Housing is affordable	32%	171
Neighborhood is quiet	26%	138
House/property is good size for my household	25%	133
Close to recreation areas/facilities	22%	118
Good schools for children	16%	82
Housing is in good condition	15%	82
Safe to walk, drive or play (few accidents)	15%	81
Location/access	13%	69
Crime rate is low	12%	61
Lively community/a lot going on	7%	36
Other	3%	15
Total	100%	527

Question 7 Like Least		
What 3 things do you like least about living in your neighborhood?	Percent	Number
Neighborhood is too noisy	41%	207
Housing is expensive	39%	197
Unsafe to walk, drive or play (too many accidents)	32%	162
Crime rate is too high	30%	151
Housing is in poor condition	29%	147
Parking	27%	139
House/property is small, not enough space	25%	127
Far from recreation areas/facilities	15%	77
Location is not close to jobs/bus stops	14%	70
Other	10%	54
Far from shopping	9%	44
No good schools for children	5%	27
Neighborhood is too quiet - not a very lively place	4%	21
Homeless	4%	18
Traffic and road issues	2%	12
Total	100%	510

Question 8		
If only a few of the following amenities could be built or improved in your neighborhood, which five would you most like to see built or improved? (Check the 5 that are most important to you)		
	Percent	Number
Improved sidewalks	60%	310
More car parking	45%	232
Affordable housing	41%	211
Walking paths/trails	36%	185
Children's playgrounds	30%	156
Bike paths and bike lanes	26%	137
Parks	25%	132
Sports facilities (gyms, fields, etc.)	24%	124
Community gardens	23%	121
Senior centers	22%	116
Community centers	20%	106
Youth centers	18%	95
Immigrant/social services	18%	94
Medical clinics/dentists	17%	88
Schools	14%	74
Libraries	12%	63
Child care (day cares)	6%	34
Other	5%	28
Total	100%	520

Question 9	
If there was one thing you could do to improve your neighborhood what would it be?	Column N %
Planning/zoning, walkable community, high-rises	0%
Grocery and other retail	1%
Reduce Traffic	1%
Street lighting	3%
Reduce noise	3%
Affordable housing	4%
Improve transit	4%
Reduce homeless issues	5%
Improve roads	6%
Parks/gardens/recreation area/center	7%
Improve parking (increase legal, reduce illegal)	7%
Sidewalks/crosswalks/bike lanes	9%
Clean up area/improve appearance	13%
Police presence/safety/reduce crime and prostitution	20%
Other	21%
Total	100%

Question 10	
What landmarks or characteristics of your neighborhood are most important to preserve?	Column N %
Everything	2%
Views	2%
Housing/affordability	2%
Cleanliness	2%
Nothing	4%
Restaurants and shopping	4%
Access/convenience/transportation	5%
Quality of neighborhood (community, quiet, etc.)	6%
Schools	6%
DK/No comment	6%
Trees	7%
Cultural center/churches/town center/library	9%
Other	11%
Plantations/agriculture/historical landmarks	16%
Beauty/landscaping/green spaces/parks	16%
Sugar Mill	20%
Total	100%

Question 11		
What type of neighborhood do you most desire to live in?	Percent	Number
Low-scale single-family homes, using my car as the primary way to shop and get to work/school	65%	318
3-4 story apartment buildings and townhomes, using transit and my car to get around	28%	135
15-30 story high-rise apartment/condominium buildings, walking and using transit to get around	8%	39
Total	100%	486

Question 11a	
What neighborhood in Honolulu would you most like to live in?	Column N %
Makiki	0%
Moanalua	0%
Waikiki	0%
Ala Moana	0%
Salt Lake	1%
Downtown	1%
Manoa	1%
Kailua	2%
Hawaii Kai	2%
Kahala	3%
Aiea-Pearl	5%
Mililani	6%
Don't know	6%
Named amenity, not place	10%
Other place	29%
Where I am	35%
Total	100%

Question 12		
Do you plan to move from your current home in the next two years?	Percent	Number
Yes	23%	113
No	60%	299
Don't know	18%	90
Total	100%	502

Question Q12a		
Where will you move?	Percent	Number
A new place in this neighborhood	21%	26
Another place in Honolulu	46%	57
Outside Honolulu, but on Oahu	24%	30
Outside Oahu	10%	12
Total	100%	125

Question 13		
Before receiving this survey, were you aware that the City and County of Honolulu is planning to build a rail transit line?	Percent	Number
Yes	96%	503
No	4%	21
Total	100%	523

At least one rail station will be within ½ mile (up to 10-minute walk) of your home. Once it is built, how likely or unlikely will you or someone in your household be to use rail transit for the following trips?	Question 14									
	Very likely		Somewhat likely		Somewhat unlikely		Very unlikely		Total	
	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number
Use rail transit to get to work or school	33%	169	20%	100	13%	67	34%	170	100%	506
Use rail transit to go shopping	29%	148	26%	133	16%	81	30%	152	100%	513
Use rail transit to go to restaurants, bars or nightclubs	26%	131	17%	86	20%	102	37%	184	100%	503
Use rail transit to visit beaches or recreation areas	28%	139	19%	96	18%	93	35%	177	100%	505
Use rail transit to meet up with friends/family	30%	154	21%	109	18%	92	31%	158	100%	513

When the rail system is built there may be opportunities to build new amenities around the rail stations. How strongly would you support or oppose building each of the following near the West Loch station?	Question 15											
	Strongly support		Somewhat support		Somewhat oppose		Strongly oppose		Don't know		Total	
	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number
Bicycle parking	45%	235	28%	147	4%	23	7%	38	15%	77	100%	520
Plazas or small parks	43%	218	29%	146	7%	34	9%	46	12%	59	100%	502
Bus shelters	51%	261	30%	154	4%	19	8%	39	8%	43	100%	516
Places to sit	61%	322	21%	109	4%	19	7%	38	7%	39	100%	527
Improved landscaping	59%	303	22%	113	4%	19	8%	40	8%	43	100%	518
Restrooms	65%	343	19%	100	3%	16	7%	38	6%	32	100%	531
Coffee shops and restaurants	50%	260	29%	150	7%	34	8%	40	7%	35	100%	519
Convenience stores (i.e. 7-11)	44%	229	32%	166	8%	39	8%	43	8%	39	100%	516
Services, like hair salons or drycleaners	32%	164	30%	153	15%	79	12%	64	10%	52	100%	511
Shopping centers	43%	223	26%	133	11%	58	11%	58	9%	44	100%	516
Grocery stores	47%	242	26%	136	9%	46	10%	53	8%	42	100%	519
Drug stores (pharmacies)	45%	230	28%	145	8%	44	10%	52	9%	45	100%	516
Affordable/subsidized housing	39%	205	22%	115	14%	71	16%	82	9%	48	100%	520
Regular/market rate housing	35%	178	25%	130	14%	73	14%	73	11%	57	100%	510
Other	32%	62	17%	33	8%	16	17%	33	25%	48	100%	192

How strongly would you support or oppose building each of the following near the Waipahu Transit Center station?	Question 16											
	Strongly support		Somewhat support		Somewhat oppose		Strongly oppose		Don't know		Total	
	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number
Bicycle parking	48%	246	28%	142	6%	32	8%	43	10%	49	100%	512
Plazas or small parks	42%	216	29%	148	9%	47	12%	59	8%	41	100%	511
Bus shelters	54%	278	29%	152	4%	20	8%	43	5%	24	100%	517
Places to sit	62%	322	23%	122	2%	13	7%	37	5%	29	100%	523
Improved landscaping	57%	287	26%	132	4%	21	8%	41	5%	27	100%	508
Restrooms	65%	344	20%	108	3%	17	8%	40	4%	20	100%	528
Coffee shops and restaurants	47%	238	32%	163	7%	36	9%	45	5%	26	100%	508
Convenience stores (i.e. 7-11)	46%	234	29%	147	9%	47	10%	49	7%	35	100%	513
Services, like hair salons or drycleaners	34%	170	27%	135	17%	83	14%	69	10%	48	100%	505
Shopping centers	42%	214	25%	127	12%	59	13%	68	8%	39	100%	506
Grocery stores	45%	229	28%	142	9%	45	12%	60	6%	32	100%	507
Drug stores (pharmacies)	45%	228	27%	135	9%	47	12%	59	7%	36	100%	505
Affordable/subsidized housing	39%	196	25%	127	10%	49	18%	93	8%	43	100%	508
Q18m2	35%	175	27%	136	12%	61	17%	86	9%	44	100%	501
Other	40%	75	19%	36	5%	10	14%	26	21%	39	100%	186

Question 17												
How strongly would you support or oppose the following improvements for major streets near the Waipahu Transit Center and West Loch stations?	Strongly support		Somewhat support		Somewhat oppose		Strongly oppose		Don't know		Total	
	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number
Expanding bus service	60%	312	26%	137	4%	22	4%	20	5%	28	100%	518
Establishing bike lanes	52%	266	31%	158	5%	26	5%	25	8%	39	100%	514
Improving sidewalks	72%	376	20%	107	3%	15	2%	12	3%	13	100%	524
Adding street lighting	73%	384	18%	94	2%	11	3%	15	4%	19	100%	523
Planting trees	64%	329	25%	127	4%	23	3%	15	4%	21	100%	515
Adding crosswalks	70%	367	21%	109	3%	15	3%	14	3%	16	100%	522
Adding on street parking	57%	292	22%	111	11%	54	6%	32	4%	22	100%	511
Adding places to sit	70%	367	20%	107	3%	14	3%	17	4%	22	100%	527
Adding trash bins	73%	384	20%	106	1%	6	2%	11	4%	20	100%	527

Question 18		
How often does flooding in Waipahu town affect you?	Percent	Number
Very rarely/Never	71%	348
At least once each winter	10%	50
Most rainstorms	10%	47
Once every two or three years	9%	45
Total	100%	491

How long have you lived:	Question 19											
	Less than 1 year		1-4 years		5-9 years		10-19 years		20 or more years		Total	
	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number
In this house/apartment	10%	52	31%	166	16%	84	19%	101	25%	133	100%	536
In this neighborhood	6%	30	26%	120	15%	70	19%	88	34%	161	100%	469
In Honolulu	1%	7	6%	27	11%	54	14%	66	67%	317	100%	471

Question 20		
Where is your work or school located? (Please check all that apply)	Percent	Number
Waipahu	31%	155
Downtown	18%	88
Ewa/Kapolei	14%	68
Aiea/Pearl City	13%	64
Retired/unemployed/disabled	9%	46
Waikiki	9%	45
Airport/Pearl Harbor	9%	44
Kalihi/Sand Island	9%	44
Waipahu	7%	34
Moanalua/Salt Lake	5%	27
Other	4%	22
Windward	4%	18
Manoa	3%	16
Central Oahu	3%	16
Kahala/ Diamond Head	3%	14
Makiki	2%	12
East Oahu	2%	11
Liliha/Nuuuanu	2%	10
Kaimuki	2%	9
Kakaako	2%	8
All over	1%	7
Total	100%	503

Question 21																		
Thinking about last week, please tell us how you got to work or school each day (if you used more than one transportation mode, choose the one you used for the most miles). (Please check one box for each day)	Did not go to work/school		Worked from home		Drove vehicle alone		Carpooled		Motorbike or scooter		Took bus		Walked		Biked		Total	
	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number
Monday	14%	68	6%	28	49%	248	7%	36	1%	3	21%	105	3%	15	0%	0	100%	503
Tuesday	15%	76	5%	24	48%	242	8%	40	1%	4	20%	101	3%	16	0%	0	100%	503
Wednesday	14%	72	6%	28	48%	240	8%	39	1%	3	20%	102	4%	18	0%	0	100%	503
Thursday	15%	76	5%	26	47%	237	8%	40	1%	4	21%	104	3%	15	0%	1	100%	503
Friday	14%	72	6%	29	46%	234	9%	47	1%	3	21%	104	3%	16	0%	0	100%	503
Saturday	42%	209	4%	21	34%	172	5%	25	0%	2	13%	65	1%	7	0%	1	100%	503
Sunday	48%	240	6%	28	29%	146	3%	16	0%	0	13%	65	1%	7	0%	1	100%	503

Question Q21 - Commuted by this Mode At Least One Day Last Week	
Thinking about last week, please tell us how you got to work each day (if you use more than one transportation mode, choose the one you used for the most miles).	Percent
Telecommute	7%
Drive vehicle alone	54%
Car/van pool	12%
Motorcycle or scooter	1%
Bus	25%
Walk	4%
Bike	0%
Alternate transport	43%

Question 21 - Commuted by this Mode Every Workday Last Week	
Thinking about last week, please tell us how you got to work each day (if you use more than one transportation mode, choose the one you used for the most miles).	
	Percent
Telecommute	5%
Drive vehicle alone	48%
Car/van pool	5%
Motorbike or scooter	1%
Bus	18%
Walk	2%
Bike	0%
Alternate transport	36%

	Percent share
Drove alone	56%
Telecommuted	6%
Carpooled	9%
Motorbike or scooter	1%
Took bus	24%
Walked	4%
Biked	0%

Question 22		
Which best describes the building where you live?	Percent	Number
House (single family/detached)	28%	152
Duplex	7%	40
Townhouse	8%	45
Apartment - walk-up	40%	215
Apartment - with elevators	16%	85
Other	1%	4
Total	100%	541

Question 23		
Do you rent or own your home?	Percent	Number
Rent	45%	233
Own	55%	286
Total	100%	519

Question 24			
Please tell us the number of adults (including yourself) and children who live in your home.	Adults	Children	All people
	Column N	Column N	Column N
	%	%	%
None	0%	59%	0%
1	20%	18%	17%
2	36%	10%	19%
3-4	31%	11%	34%
5 or more	13%	1%	30%
Total	100%	100%	100%

Question 25			
How many motor vehicles (cars, trucks, motorcycles, etc.) are owned or leased by the people in your household, and how many bicycles are owned and used on a regular basis?	Vehicles	Adult bikes	Children's bikes
	Column N	Column N	Column N %
	%	%	%
None	10%	75%	82%
1	36%	14%	10%
2	34%	9%	6%
3 or more	21%	3%	2%
Total	100%	100%	100%

Question 26		
Does any member of your household have a physical handicap, or is anyone disabled?	Percent	Number
Yes	22%	117
No	78%	413
Total	100%	530

Question 27- Average	
	Average number of years
How old are you?	48.2

Question 27	
AGE	Column N %
18 to 34	29%
35 to 54	33%
55+	38%
Total	100%

Question 28		
What is your gender?	Percent	Number
Male	48%	241
Female	52%	266
Total	100%	507

Question 29		
How much education have you completed?	Percent	Number
0 to 11 years of school	5%	28
High school	25%	136
Some college	24%	129
Associate's or technical school degree	18%	96
Bachelor's degree	22%	116
Graduate/professional degree	5%	29
Total	100%	533

Question 30		
How much was your household's total income before taxes in 2010? Include income from all sources for all persons living in your household.		
	Percent	Number
Less than \$19,999	20%	100
\$20,000 to \$29,999	16%	80
\$30,000 to \$39,999	9%	44
\$40,000 to \$49,999	13%	67
\$50,000 to \$74,999	24%	118
\$75,000 to \$99,999	9%	45
\$100,000 to \$149,999	7%	35
\$150,000 or more	2%	10
Total	100%	500

Question 31		
Which category best describes your race? (Please check all that apply)		
	Percent	Number
Filipino	58%	311
Japanese	17%	92
White/Caucasian	13%	70
Native Hawaiian	12%	65
Chinese	9%	47
Other	5%	25
Hispanic/Latino	4%	21
Samoan	4%	20
Korean	2%	12
Other Pacific Islander	2%	11
Black/African American	2%	8
Other Asian	1%	7
American Indian/Inuit	1%	5
Micronesia	1%	5
Vietnamese	1%	3
Total	100%	536

## Appendix B: Survey Results by Tenure

When comparing results between subgroups, the margin of error (or confidence interval) varies by which groups are compared and how many respondents are in each subgroup. Of all the survey respondents, 286 owned their homes and 233 rented. The margin of error for comparison between these two groups is  $\pm 9\%$ .

Differences in responses between any two groups must be greater than the margin of error in order to be considered a statistically significant difference at the .95 confidence level. For example, since the margin of error between the two groups is  $\pm 9\%$ , if 54% of owners and 60% of renters said they felt safe in the city, this would not be statistically different. However if 54% of owners and 63% of renters said they felt safe in the city, this would be considered statistically different.

Question 1 - Percent excellent or good		
Please rate each of the following characteristics of your neighborhood.	Rent	Own
Cleanliness of public spaces (including streets/sidewalks)	33%	33%
Availability of trash/recycling receptacles	43%	41%
Presence of trees and other shade providing canopies	39%	31%
Presence of sidewalks	50%	40%
Condition of sidewalks	37%	30%
Number of cross-walks/crossing-lights	49%	46%
Safety while walking	37%	35%
Overall ease of walking in your neighborhood	41%	35%
Number of bicycle paths and lanes	28%	16%
Condition of bicycle paths and lanes	29%	21%
Availability of bike racks/bike storage	14%	12%
Safety while bicycling	21%	18%
Overall ease of biking in your neighborhood	25%	19%
Ease of locating bus stops	69%	66%
Condition of bus stops	44%	43%
Safety when waiting for buses	44%	40%
Safety when riding buses	64%	62%
Overall ease of bus travel	61%	53%
Condition of local streets	33%	32%
Traffic flow on local streets	33%	31%
Amount of public parking	25%	20%
Overall, how easy it is for you to get around in Honolulu?	43%	35%

Question 3 - Percent excellent or good		
Please rate the quality of the parks in your neighborhood for the following:	Rent	Own
Quality of parks for playing sports	51%	57%
Quality of parks for exercising	44%	47%
Quality of park playgrounds for children	34%	32%
Quality of parks for picnicking or hanging out	31%	35%

Question 4 - Percent very or somewhat safe		
How safe do you feel in your neighborhood parks?	Rent	Own
In parks during the day	79%	73%
In parks at night	28%	23%
In parks, when homeless people are present	18%	14%

Question 5a		
We'd like to know if you have the following businesses in your neighborhood	Rent	Own
Restaurants	94%	96%
Bars or night clubs	69%	73%
Coffee shops	70%	72%
Beauty salons (hair, nails, barbers)	94%	95%
Family entertainment (theaters, etc.)	14%	16%
Grocery stores	99%	97%
Drug stores (pharmacies)	92%	93%
Convenience stores, (i.e. 7-11)	97%	97%
Laundry/dry cleaners	82%	80%

Question 5 - Percent excellent or good		
If you have the following businesses in your neighborhood, how you would rate them overall. Are they excellent, good, fair or poor?	Rent	Own
Restaurants	71%	60%
Bars or night clubs	31%	24%
Coffee shops	64%	59%
Beauty salons (hair, nails, barbers)	65%	63%
Family entertainment (theaters, etc.)	45%	37%
Grocery stores	73%	76%
Drug stores (pharmacies)	72%	77%
Convenience stores, (i.e. 7-11)	74%	75%
Laundry/dry cleaners	53%	51%

Question 6a		
We'd like to know if you have the following resources in your neighborhood	Rent	Own
Libraries	90%	80%
Schools	87%	94%
Child care (day cares)	72%	73%
Youth centers	60%	54%
Community centers	80%	75%
Senior centers	61%	64%
Medical clinics/dentists	91%	91%
Affordable housing	78%	69%

Question 6 - Percent excellent or good		
If you have the following resources in your neighborhood, how you would rate them overall. Are they excellent, good, fair or poor?		
	Rent	Own
Libraries	77%	73%
Schools	66%	64%
Child care (day cares)	70%	65%
Youth centers	68%	70%
Community centers	63%	64%
Senior centers	71%	67%
Medical clinics/dentists	69%	67%
Affordable housing	48%	49%

Question 7 Like Most		
What 3 things do you like most about living in your neighborhood?		
	Rent	Own
Location is close to jobs/bus stops	67%	67%
Close to shopping	66%	61%
Housing is affordable	43%	24%
Neighborhood is quiet	25%	27%
House/property is good size for my household	22%	29%
Close to recreation areas/facilities	17%	26%
Good schools for children	17%	14%
Housing is in good condition	15%	16%
Safe to walk, drive or play (few accidents)	15%	14%
Location/access	15%	12%
Crime rate is low	11%	12%
Lively community/a lot going on	9%	5%
Other	2%	3%

Question 7 Like Least		
What 3 things do you like least about living in your neighborhood?	Rent	Own
Neighborhood is too noisy	41%	41%
Housing is expensive	45%	33%
Unsafe to walk, drive or play (too many accidents)	28%	35%
Crime rate is too high	26%	33%
Housing is in poor condition	34%	25%
Parking	28%	28%
House/property is small, not enough space	30%	20%
Far from recreation areas/facilities	13%	16%
Location is not close to jobs/bus stops	11%	16%
Other	8%	12%
Far from shopping	8%	9%
No good schools for children	4%	6%
Neighborhood is too quiet - not a very lively place	5%	3%
Homeless	3%	4%
Traffic and road issues	1%	4%

Question 8		
If only a few of the following amenities could be built or improved in your neighborhood, which five would you most like to see built or improved? (Check the 5 that are most important to you)	Rent	Own
Improved sidewalks	52%	67%
More car parking	45%	46%
Affordable housing	59%	25%
Walking paths/trails	33%	37%
Children's playgrounds	36%	25%
Bike paths and bike lanes	27%	26%
Parks	27%	25%
Sports facilities (gyms, fields, etc.)	24%	25%
Community gardens	24%	22%
Senior centers	20%	22%
Community centers	19%	21%
Youth centers	18%	19%
Immigrant/social services	21%	16%
Medical clinics/dentists	13%	19%
Schools	15%	14%
Libraries	14%	11%
Child care (day cares)	7%	6%
Other	6%	5%

Question 9		
If there was one thing you could do to improve your neighborhood what would it be?	Rent	Own
Reduce homeless issues	6%	4%
Improve parking (increase legal, reduce illegal)	7%	7%
Clean up area/improve appearance	13%	13%
Sidewalks/crosswalks/bike lanes	6%	11%
Improve roads	4%	7%
Improve transit	5%	3%
Police presence/safety/reduce crime and prostitution	23%	18%
Grocery and other retail	1%	1%
Parks/gardens/recreation area/center	10%	4%
Affordable housing	5%	2%
Reduce noise	2%	5%
Other	17%	25%
Street lighting	5%	2%
Reduce Traffic	1%	1%
Planning/zoning, walkable community, high-rises	0%	1%

Question 10		
What landmarks or characteristics of your neighborhood are most important to preserve?	Rent	Own
Cleanliness	2%	2%
Beauty/landscaping/green spaces/parks	22%	11%
Housing/affordability	3%	1%
Plantations/agriculture/historical landmarks	12%	18%
Quality of neighborhood (community, quiet, etc.)	5%	7%
Schools	9%	5%
Restaurants and shopping	5%	3%
Cultural center/churches/town center/library	12%	7%
Sugar Mill	12%	27%
Trees	6%	8%
Access/convenience/transportation	4%	6%
Nothing	5%	3%
Views	3%	1%
Everything	2%	2%
Other	10%	11%
DK/No comment	7%	7%

Question 11		
What type of neighborhood do you most desire to live in?	Rent	Own
Low-scale single-family homes, using my car as the primary way to shop and get to work/school	60%	70%
3-4 story apartment buildings and townhomes, using transit and my car to get around	36%	22%
15-30 story high-rise apartment/condominium buildings, walking and using transit to get around	7%	8%

Question 11a		
What neighborhood in Honolulu would you most like to live in?	Rent	Own
Where I am	36%	33%
Ala Moana	0%	1%
Downtown	1%	1%
Hawaii Kai	2%	2%
Kahala	0%	5%
Kailua	1%	2%
Makiki	0%	0%
Manoa	0%	3%
Waikiki	1%	0%
Salt Lake	1%	1%
Moanalua	0%	0%
Named amenity, not place	12%	8%
Other place	29%	30%
Aiea-Pearl	6%	4%
Mililani	5%	7%
Don't know	7%	5%

Question 12		
Do you plan to move from your current home in the next two years?	Rent	Own
Yes	38%	10%
No	42%	73%
Don't know	20%	16%

Question 12a		
Where will you move?	Rent	Own
A new place in this neighborhood	26%	3%
Another place in Honolulu	38%	66%
Outside Honolulu, but on Oahu	27%	19%
Outside Oahu	10%	12%

Question 13		
Before receiving this survey, were you aware that the City and County of Honolulu is planning to build a rail transit line?		
	Rent	Own
Yes	95%	97%
No	5%	3%

Question 14 - Percent very or somewhat likely		
At least one rail station will be within ½ mile (up to 10-minute walk) of your home. Once it is built, how likely or unlikely will you or someone in your household be to use rail transit for the following trips?		
	Rent	Own
Use rail transit to get to work or school	57%	52%
Use rail transit to go shopping	53%	58%
Use rail transit to go to restaurants, bars or nightclubs	47%	41%
Use rail transit to visit beaches or recreation areas	52%	42%
Use rail transit to meet up with friends/family	54%	50%

Question 15 - Percent strongly or somewhat support		
When the rail system is built there may be opportunities to build new amenities around the rail stations. How strongly would you support or oppose building each of the following near the West Loch station?		
	Rent	Own
Bicycle parking	80%	91%
Plazas or small parks	79%	85%
Bus shelters	83%	92%
Places to sit	85%	91%
Improved landscaping	83%	91%
Coffee shops and restaurants	81%	88%
Convenience stores (i.e. 7-11)	79%	85%
Services, like hair salons or drycleaners	69%	69%
Shopping centers	72%	79%
Grocery stores	75%	83%
Drug stores (pharmacies)	75%	83%
Affordable/subsidized housing	74%	62%
Regular/market rate housing	69%	66%
Other	56%	77%

Question 16 – Percent strongly or somewhat support		
How strongly would you support or oppose building each of the following near the Waipahu Transit Center station?	Rent	Own
Bicycle parking	80%	86%
Plazas or small parks	71%	82%
Bus shelters	81%	91%
Places to sit	84%	94%
Improved landscaping	81%	91%
Coffee shops and restaurants	78%	86%
Convenience stores (i.e. 7-11)	74%	84%
Services, like hair salons or drycleaners	64%	68%
Shopping centers	68%	76%
Grocery stores	73%	82%
Drug stores (pharmacies)	72%	81%
Affordable/subsidized housing	72%	67%
Regular/market rate housing	67%	68%
Other	71%	80%

Question 17 – Percent strongly or somewhat support		
How strongly would you support or oppose the following improvements for major streets near the Waipahu Transit Center and West Loch stations?	Rent	Own
Expanding bus service	90%	93%
Establishing bike lanes	91%	88%
Improving sidewalks	96%	93%
Adding street lighting	93%	96%
Planting trees	93%	91%
Adding crosswalks	94%	94%
Adding on street parking	85%	80%
Adding places to sit	94%	94%
Adding trash bins	97%	96%

Question 18		
How often does flooding in Waipahu town affect you?	Rent	Own
Most rainstorms	11%	8%
At least once each winter	9%	11%
Once every two or three years	11%	8%
Very rarely/Never	69%	73%

Question 20		
Where is your work or school located? (Please check all that apply)	Rent	Own
Kalihi/Sand Island	8%	10%
Manoa	1%	5%
Downtown	16%	19%
Kaimuki	2%	2%
Ewa/Kapolei	19%	10%
Windward	3%	4%
Kakaako	1%	3%
Waikiki	6%	12%
Central Oahu	3%	3%
Waipahu	6%	8%
East Oahu	2%	3%
Aiea/Pearl City	14%	12%
Kahala/ Diamond Head	3%	3%
Airport/Pearl Harbor	8%	9%
Moanalua/Salt Lake	4%	6%
Liliha/Nuuanu	2%	2%
Makiki	3%	2%
Waipahu	31%	29%
Other	5%	4%
All over	2%	1%
Retired/unemployed/disabled	8%	11%

Question 21 - Commuted by this Mode At Least One Day Last Week		
Thinking about last week, please tell us how you got to work each day (if you use more than one transportation mode, choose the one you used for the most miles).		
	Rent	Own
Telecommute	8%	7%
Drive vehicle alone	46%	62%
Car/van pool	12%	12%
Motorcycle or scooter	2%	0%
Bus	33%	20%
Walk	6%	3%
Bike	0%	1%
Alternate transport	52%	37%

Question Q21 - Commuted by this Mode Every Workday Last Week		
Thinking about last week, please tell us how you got to work each day (if you use more than one transportation mode, choose the one you used for the most miles).		
	Rent	Own
Telecommute	6%	5%
Drive vehicle alone	41%	55%
Car/van pool	5%	5%
Motorbike or scooter	1%	0%
Bus	24%	13%
Walk	4%	2%
Bike	0%	0%
Alternate transport	46%	29%

Question 21- Commute Mode Share		
	Rent	Own
Drove alone	45%	64%
Telecommuted	8%	6%
Carpooled	11%	8%
Motorbike or scooter	2%	0%
Took bus	30%	19%
Walked	5%	2%
Biked	0%	0%

## Appendix C: Survey Results by Gender

When comparing results between subgroups, the margin of error (or confidence interval) varies by which groups are compared and how many respondents are in each subgroup. Of all the survey respondents, 241 were men and 266 were women. The margin of error for comparison between these two groups is  $\pm 9\%$ .

Differences in responses between any two groups must be greater than the margin of error in order to be considered a statistically significant difference at the .95 confidence level. For example, since the margin of error between the two groups is  $\pm 9\%$ , if 54% of women and 60% of men said they felt safe in the city, this would not be statistically different. However if 54% of women and 63% of men said they felt safe in the city, this would be considered statistically different.

Question 1 - Percent excellent or good		
Please rate each of the following characteristics of your neighborhood.	Male	Female
Cleanliness of public spaces (including streets/sidewalks)	32%	36%
Availability of trash/recycling receptacles	38%	46%
Presence of trees and other shade providing canopies	34%	36%
Presence of sidewalks	42%	49%
Condition of sidewalks	31%	35%
Number of cross-walks/crossing-lights	40%	55%
Safety while walking	35%	38%
Overall ease of walking in your neighborhood	36%	41%
Number of bicycle paths and lanes	16%	26%
Condition of bicycle paths and lanes	23%	28%
Availability of bike racks/bike storage	9%	17%
Safety while bicycling	17%	23%
Overall ease of biking in your neighborhood	19%	24%
Ease of locating bus stops	67%	68%
Condition of bus stops	44%	44%
Safety when waiting for buses	39%	44%
Safety when riding buses	63%	61%
Overall ease of bus travel	53%	61%
Condition of local streets	30%	36%
Traffic flow on local streets	30%	33%
Amount of public parking	19%	25%
Overall, how easy it is for you to get around in Honolulu?	35%	42%

Question 3 - Percent excellent or good		
Please rate the quality of the parks in your neighborhood for the following:	Male	Female
Quality of parks for playing sports	56%	54%
Quality of parks for exercising	45%	47%
Quality of park playgrounds for children	30%	36%
Quality of parks for picnicking or hanging out	30%	37%

## Question 4 - Percent very or somewhat safe

How safe do you feel in your neighborhood parks?	Male	Female
In parks during the day	78%	72%
In parks at night	29%	23%
In parks, when homeless people are present	18%	13%

## Question 5a

We'd like to know if you have the following businesses in your neighborhood	Male	Female
Restaurants	96%	95%
Bars or night clubs	72%	70%
Coffee shops	67%	75%
Beauty salons (hair, nails, barbers)	94%	94%
Family entertainment (theaters, etc.)	14%	17%
Grocery stores	98%	98%
Drug stores (pharmacies)	93%	92%
Convenience stores, (i.e. 7-11)	98%	96%
Laundry/dry cleaners	81%	82%

## Question 5 - Percent excellent or good

If you have the following businesses in your neighborhood, how you would rate them overall. Are they excellent, good, fair or poor?	Male	Female
Restaurants	66%	65%
Bars or night clubs	31%	24%
Coffee shops	60%	63%
Beauty salons (hair, nails, barbers)	63%	63%
Family entertainment (theaters, etc.)	32%	50%
Grocery stores	78%	72%
Drug stores (pharmacies)	76%	71%
Convenience stores, (i.e. 7-11)	78%	71%
Laundry/dry cleaners	48%	57%

## Question 6a

We'd like to know if you have the following resources in your neighborhood	Male	Female
Libraries	82%	88%
Schools	91%	91%
Child care (day cares)	70%	75%
Youth centers	57%	56%
Community centers	79%	78%
Senior centers	62%	64%
Medical clinics/dentists	91%	91%
Affordable housing	74%	73%

### Question 6 - Percent excellent or good

If you have the following resources in your neighborhood, how you would rate them overall. Are they excellent, good, fair or poor?	Male	Female
Libraries	76%	73%
Schools	62%	69%
Child care (day cares)	62%	71%
Youth centers	65%	72%
Community centers	60%	65%
Senior centers	64%	72%
Medical clinics/dentists	68%	69%
Affordable housing	45%	51%

### Question 7 Like Most

What 3 things do you like most about living in your neighborhood?	Male	Female
Location is close to jobs/bus stops	65%	68%
Close to shopping	60%	63%
Housing is affordable	28%	37%
Neighborhood is quiet	30%	21%
House/property is good size for my household	22%	29%
Close to recreation areas/facilities	25%	20%
Good schools for children	16%	15%
Housing is in good condition	13%	18%
Safe to walk, drive or play (few accidents)	16%	16%
Location/access	18%	10%
Crime rate is low	12%	11%
Lively community/a lot going on	8%	6%
Other	3%	3%

### Question 7 Like Least

What 3 things do you like least about living in your neighborhood?	Male	Female
Neighborhood is too noisy	37%	44%
Housing is expensive	42%	38%
Unsafe to walk, drive or play (too many accidents)	27%	35%
Crime rate is too high	26%	32%
Housing is in poor condition	31%	28%
Parking	22%	31%
House/property is small, not enough space	30%	22%
Far from recreation areas/facilities	20%	10%
Location is not close to jobs/bus stops	14%	15%
Other	10%	11%
Far from shopping	8%	8%
No good schools for children	5%	5%
Neighborhood is too quiet - not a very lively place	3%	5%
Homeless	2%	5%
Traffic and road issues	3%	2%

## Question 8

If only a few of the following amenities could be built or improved in your neighborhood, which five would you most like to see built or improved? (Check the 5 that are most important to you)	Male	Female
Improved sidewalks	61%	58%
More car parking	48%	44%
Affordable housing	39%	42%
Walking paths/trails	34%	37%
Children's playgrounds	28%	31%
Bike paths and bike lanes	30%	22%
Parks	25%	25%
Sports facilities (gyms, fields, etc.)	28%	21%
Community gardens	19%	26%
Senior centers	22%	22%
Community centers	25%	17%
Youth centers	17%	20%
Immigrant/social services	22%	16%
Medical clinics/dentists	17%	17%
Schools	16%	12%
Libraries	10%	15%
Child care (day cares)	6%	7%
Other	6%	5%

## Question 9

If there was one thing you could do to improve your neighborhood what would it be?	Male	Female
Reduce homeless issues	2%	7%
Improve parking (increase legal, reduce illegal)	8%	8%
Clean up area/improve appearance	9%	17%
Sidewalks/crosswalks/bike lanes	9%	6%
Improve roads	8%	3%
Improve transit	6%	2%
Police presence/safety/reduce crime and prostitution	26%	18%
Grocery and other retail	0%	2%
Parks/gardens/recreation area/center	5%	8%
Affordable housing	5%	2%
Reduce noise	4%	2%
Other	21%	21%
Street lighting	1%	6%
Reduce Traffic	1%	2%
Planning/zoning, walkable community, high-rises	1%	0%

Question 10		
What landmarks or characteristics of your neighborhood are most important to preserve?	Male	Female
Cleanliness	0%	4%
Beauty/landscaping/green spaces/parks	14%	16%
Housing/affordability	2%	2%
Plantations/agriculture/historical landmarks	18%	14%
Quality of neighborhood (community, quiet, etc.)	8%	6%
Schools	8%	6%
Restaurants and shopping	4%	4%
Cultural center/churches/town center/library	10%	7%
Sugar Mill	22%	17%
Trees	6%	8%
Access/convenience/transportation	6%	5%
Nothing	3%	3%
Views	0%	4%
Everything	2%	1%
Other	7%	14%
DK/No comment	4%	10%

Question 11		
What type of neighborhood do you most desire to live in?	Male	Female
Low-scale single-family homes, using my car as the primary way to shop and get to work/school	72%	60%
3-4 story apartment buildings and townhomes, using transit and my car to get around	20%	35%
15-30 story high-rise apartment/condominium buildings, walking and using transit to get around	8%	8%

Question 11a		
What neighborhood in Honolulu would you most like to live in?	Male	Female
Where I am	42%	31%
Ala Moana	0%	1%
Downtown	1%	1%
Hawaii Kai	2%	2%
Kahala	5%	1%
Kailua	1%	2%
Makiki	0%	0%
Manoa	1%	2%
Waikiki	0%	0%
Salt Lake	0%	1%
Moanalua	0%	1%
Named amenity, not place	6%	13%
Other place	29%	29%
Aiea-Pearl	4%	7%
Mililani	7%	5%
Don't know	6%	4%

Question 12		
Do you plan to move from your current home in the next two years?	Male	Female
Yes	22%	24%
No	60%	59%
Don't know	18%	17%

Question 12a		
Where will you move?	Male	Female
A new place in this neighborhood	25%	18%
Another place in Honolulu	45%	48%
Outside Honolulu, but on Oahu	24%	25%
Outside Oahu	6%	9%

Question 13		
Before receiving this survey, were you aware that the City and County of Honolulu is planning to build a rail transit line?	Male	Female
Yes	98%	94%
No	2%	6%

#### Question 14 – Percent very or somewhat likely

At least one rail station will be within ½ mile (up to 10-minute walk) of your home. Once it is built, how likely or unlikely will you or someone in your household be to use rail transit for the following trips?	Male	Female
Use rail transit to get to work or school	60%	48%
Use rail transit to go shopping	61%	49%
Use rail transit to go to restaurants, bars or nightclubs	47%	39%
Use rail transit to visit beaches or recreation areas	50%	43%
Use rail transit to meet up with friends/family	58%	46%

#### Question 15 – Percent strongly or somewhat support

When the rail system is built there may be opportunities to build new amenities around the rail stations. How strongly would you support or oppose building each of the following near the West Loch station?	Male	Female
Bicycle parking	85%	87%
Plazas or small parks	82%	81%
Bus shelters	87%	88%
Places to sit	86%	89%
Improved landscaping	88%	86%
Coffee shops and restaurants	85%	85%
Convenience stores (i.e. 7-11)	84%	81%
Services, like hair salons or drycleaners	71%	66%
Shopping centers	79%	70%
Grocery stores	81%	76%
Drug stores (pharmacies)	82%	76%
Affordable/subsidized housing	67%	68%
Regular/market rate housing	69%	67%
Other	68%	61%

#### Question 16 – Percent strongly or somewhat support

How strongly would you support or oppose building each of the following near the Waipahu Transit Center station?	Male	Female
Bicycle parking	81%	86%
Plazas or small parks	79%	75%
Bus shelters	85%	88%
Places to sit	88%	90%
Improved landscaping	87%	86%
Coffee shops and restaurants	83%	83%
Convenience stores (i.e. 7-11)	80%	78%
Services, like hair salons or drycleaners	68%	65%
Shopping centers	75%	70%
Grocery stores	78%	76%
Drug stores (pharmacies)	79%	75%
Affordable/subsidized housing	71%	69%
Regular/market rate housing	69%	67%
Other	74%	76%

### Question 17 - Percent strongly or somewhat support

How strongly would you support or oppose the following improvements for major streets near the Waipahu Transit Center and West Loch stations?	Male	Female
Expanding bus service	90%	92%
Establishing bike lanes	93%	86%
Improving sidewalks	94%	95%
Adding street lighting	95%	95%
Planting trees	92%	93%
Adding crosswalks	92%	95%
Adding on street parking	81%	84%
Adding places to sit	92%	95%
Adding trash bins	97%	96%

### Question 18

How often does flooding in Waipahu town affect you?	Male	Female
Most rainstorms	9%	10%
At least once each winter	11%	9%
Once every two or three years	10%	7%
Very rarely/Never	69%	73%

### Question 20

Where is your work or school located? (Please check all that apply)	Male	Female
Kalihi/Sand Island	10%	7%
Manoa	5%	0%
Downtown	20%	16%
Kaimuki	2%	1%
Ewa/Kapolei	14%	13%
Windward	4%	3%
Kakaako	3%	0%
Waikiki	12%	7%
Central Oahu	5%	1%
Waipahu	6%	8%
East Oahu	3%	2%
Aiea/Pearl City	10%	15%
Kahala/ Diamond Head	5%	1%
Airport/Pearl Harbor	11%	6%
Moanalua/Salt Lake	6%	3%
Liliha/Nuuanu	0%	4%
Makiki	2%	3%
Waipahu	32%	29%
Other	5%	4%
All over	2%	1%
Retired/unemployed/disabled	9%	11%

### Question 21 - Commuted by this Mode At Least One Day Last Week

Thinking about last week, please tell us how you got to work each day (if you use more than one transportation mode, choose the one you used for the most miles).	Male	Female
Telecommute	7%	6%
Drive vehicle alone	63%	48%
Car/van pool	12%	12%
Motorcycle or scooter	1%	0%
Bus	20%	32%
Walk	1%	7%
Bike	1%	0%
Alternate transport	34%	52%

### Question Q21 - Commuted by this Mode Every Workday Last Week

Thinking about last week, please tell us how you got to work each day (if you use more than one transportation mode, choose the one you used for the most miles).	Male	Female
Telecommute	5%	5%
Drive vehicle alone	58%	40%
Car/van pool	4%	6%
Motorbike or scooter	1%	0%
Bus	13%	23%
Walk	1%	4%
Bike	0%	0%
Alternate transport	30%	43%

### Question 21- Commute Mode Share

	Male	Female
Drove alone	64%	48%
Telecommuted	6%	5%
Carpooled	10%	9%
Motorbike or scooter	1%	0%
Took bus	17%	31%
Walked	1%	6%
Biked	0%	0%

## Appendix D: Survey Results by Station

When comparing results between subgroups, the margin of error (or confidence interval) varies by which groups are compared and how many respondents are in each subgroup. Of all the survey respondents, 315 lived closest to the planned Waipahu Transit Center rail station and 220 lived closer to the planned West Loch rail station. The margin of error for comparison between these two groups is  $\pm 9\%$ .

Differences in responses between any two groups must be greater than the margin of error in order to be considered a statistically significant difference at the .95 confidence level. For example, since the margin of error between the two groups is  $\pm 9\%$ , if 54% of those closest to the planned Waipahu Transit Center rail station and 60% of those closest to the planned West Loch rail station said they felt safe in the city, this would not be statistically different. However if 54% of those closest to Waipahu Transit Center and 63% of those closest to West Loch said they felt safe in the city, this would be considered statistically different.

Question 1 - Percent excellent or good		
Please rate each of the following characteristics of your neighborhood.	Waipahu Transit Center	West Loch
Cleanliness of public spaces (including streets/sidewalks)	35%	31%
Availability of trash/recycling receptacles	43%	43%
Presence of trees and other shade providing canopies	37%	29%
Presence of sidewalks	41%	52%
Condition of sidewalks	31%	37%
Number of cross-walks/crossing-lights	45%	50%
Safety while walking	35%	37%
Overall ease of walking in your neighborhood	35%	41%
Number of bicycle paths and lanes	19%	23%
Condition of bicycle paths and lanes	22%	28%
Availability of bike racks/bike storage	13%	15%
Safety while bicycling	19%	23%
Overall ease of biking in your neighborhood	23%	22%
Ease of locating bus stops	67%	66%
Condition of bus stops	49%	37%
Safety when waiting for buses	44%	40%
Safety when riding buses	62%	63%
Overall ease of bus travel	57%	55%
Condition of local streets	31%	36%
Traffic flow on local streets	33%	31%
Amount of public parking	22%	22%
Overall, how easy it is for you to get around in Honolulu?	40%	35%

Question 3 - Percent excellent or good		
Please rate the quality of the parks in your neighborhood for the following:	Waipahu Transit Center	West Loch
Quality of parks for playing sports	58%	47%
Quality of parks for exercising	50%	40%
Quality of park playgrounds for children	32%	34%
Quality of parks for picnicking or hanging out	37%	25%

Question 4 - Percent very or somewhat safe		
How safe do you feel in your neighborhood parks?	Waipahu Transit Center	West Loch
In parks during the day	78%	70%
In parks at night	27%	23%
In parks, when homeless people are present	17%	13%

Question 5a		
We'd like to know if you have the following businesses in your neighborhood	Waipahu Transit Center	West Loch
Restaurants	92%	98%
Bars or night clubs	73%	65%
Coffee shops	67%	77%
Beauty salons (hair, nails, barbers)	90%	99%
Family entertainment (theaters, etc.)	12%	21%
Grocery stores	97%	99%
Drug stores (pharmacies)	89%	95%
Convenience stores, (i.e. 7-11)	96%	98%
Laundry/dry cleaners	72%	92%

Question 5 - Percent excellent or good		
If you have the following businesses in your neighborhood, how you would rate them overall. Are they excellent, good, fair or poor?	Waipahu Transit Center	West Loch
Restaurants	62%	67%
Bars or night clubs	29%	29%
Coffee shops	59%	63%
Beauty salons (hair, nails, barbers)	62%	64%
Family entertainment (theaters, etc.)	46%	35%
Grocery stores	71%	78%
Drug stores (pharmacies)	69%	80%
Convenience stores, (i.e. 7-11)	73%	76%
Laundry/dry cleaners	53%	52%

Question 6a		
We'd like to know if you have the following resources in your neighborhood	Waipahu Transit Center	West Loch
Libraries	96%	71%
Schools	89%	94%
Child care (day cares)	67%	81%
Youth centers	54%	60%
Community centers	82%	72%
Senior centers	70%	53%
Medical clinics/dentists	88%	94%
Affordable housing	74%	72%

Question 6 - Percent excellent or good		
If you have the following resources in your neighborhood, how you would rate them overall. Are they excellent, good, fair or poor?	Waipahu Transit Center	West Loch
Libraries	79%	65%
Schools	61%	70%
Child care (day cares)	67%	66%
Youth centers	73%	62%
Community centers	67%	54%
Senior centers	69%	66%
Medical clinics/dentists	70%	65%
Affordable housing	50%	43%

Question 7 Like Most		
What 3 things do you like most about living in your neighborhood?	Waipahu Transit Center	West Loch
Location is close to jobs/bus stops	63%	69%
Close to shopping	50%	78%
Housing is affordable	35%	29%
Neighborhood is quiet	32%	19%
House/property is good size for my household	25%	26%
Close to recreation areas/facilities	28%	14%
Good schools for children	10%	22%
Housing is in good condition	19%	10%
Safe to walk, drive or play (few accidents)	15%	16%
Location/access	12%	15%
Crime rate is low	12%	11%
Lively community/a lot going on	6%	7%
Other	4%	2%

Question 7 Like Least		
What 3 things do you like least about living in your neighborhood?	Waipahu Transit Center	West Loch
Neighborhood is too noisy	36%	47%
Housing is expensive	31%	48%
Unsafe to walk, drive or play (too many accidents)	35%	27%
Crime rate is too high	30%	28%
Housing is in poor condition	24%	35%
Parking	28%	25%
House/property is small, not enough space	23%	28%
Far from recreation areas/facilities	12%	20%
Location is not close to jobs/bus stops	9%	20%
Other	13%	8%
Far from shopping	12%	4%
No good schools for children	7%	3%
Neighborhood is too quiet - not a very lively place	5%	3%
Homeless	5%	1%
Traffic and road issues	3%	1%

Question 8		
If only a few of the following amenities could be built or improved in your neighborhood, which five would you most like to see built or improved? (Check the 5 that are most important to you)	Waipahu Transit Center	West Loch
Improved sidewalks	65%	53%
More car parking	37%	57%
Affordable housing	33%	52%
Walking paths/trails	38%	31%
Children's playgrounds	28%	33%
Bike paths and bike lanes	35%	16%
Parks	20%	33%
Sports facilities (gyms, fields, etc.)	15%	35%
Community gardens	26%	19%
Senior centers	27%	17%
Community centers	22%	19%
Youth centers	16%	22%
Immigrant/social services	19%	17%
Medical clinics/dentists	16%	19%
Schools	16%	13%
Libraries	12%	13%
Child care (day cares)	6%	7%
Other	8%	1%

Question 9		
If there was one thing you could do to improve your neighborhood what would it be?	Waipahu Transit Center	West Loch
Reduce homeless issues	6%	2%
Improve parking (increase legal, reduce illegal)	5%	11%
Clean up area/improve appearance	13%	15%
Sidewalks/crosswalks/bike lanes	12%	5%
Improve roads	9%	2%
Improve transit	7%	1%
Police presence/safety/reduce crime and prostitution	13%	29%
Grocery and other retail	0%	1%
Parks/gardens/recreation area/center	5%	9%
Affordable housing	5%	3%
Reduce noise	2%	4%
Other	20%	23%
Street lighting	4%	2%
Reduce Traffic	2%	0%
Planning/zoning, walkable community, high-rises	1%	0%

Question 10		
What landmarks or characteristics of your neighborhood are most important to preserve?	Waipahu Transit Center	West Loch
Cleanliness	2%	2%
Beauty/landscaping/green spaces/parks	17%	13%
Housing/affordability	1%	3%
Plantations/agriculture/historical landmarks	16%	13%
Quality of neighborhood (community, quiet, etc.)	7%	6%
Schools	7%	6%
Restaurants and shopping	2%	5%
Cultural center/churches/town center/library	10%	9%
Sugar Mill	29%	8%
Trees	6%	10%
Access/convenience/transportation	3%	9%
Nothing	4%	3%
Views	1%	1%
Everything	2%	2%
Other	11%	12%
DK/No comment	6%	8%

Question 11		
What type of neighborhood do you most desire to live in?	Waipahu Transit Center	West Loch
Low-scale single-family homes, using my car as the primary way to shop and get to work/school	73%	58%
3-4 story apartment buildings and townhomes, using transit and my car to get around	21%	36%
15-30 story high-rise apartment/condominium buildings, walking and using transit to get around	6%	9%

Question 11a		
What neighborhood in Honolulu would you most like to live in?	Waipahu Transit Center	West Loch
Where I am	38%	32%
Ala Moana	0%	0%
Downtown	1%	0%
Hawaii Kai	4%	0%
Kahala	4%	2%
Kailua	2%	1%
Makiki	0%	0%
Manoa	2%	1%
Waikiki	0%	1%
Salt Lake	1%	1%
Moanalua	0%	0%
Named amenity, not place	9%	12%
Other place	21%	38%
Aiea-Pearl	4%	7%
Mililani	8%	3%
Don't know	5%	7%

Question 12		
Do you plan to move from your current home in the next two years? BY Closest station to home	Waipahu Transit Center	West Loch
Yes	19%	29%
No	65%	50%
Don't know	16%	21%

Question 12a		
Where will you move? BY Closest station to home	Waipahu Transit Center	West Loch
A new place in this neighborhood	16%	25%
Another place in Honolulu	41%	51%
Outside Honolulu, but on Oahu	33%	16%
Outside Oahu	10%	8%

Question 13		
Before receiving this survey, were you aware that the City and County of Honolulu is planning to build a rail transit line? BY Closest station to home	Waipahu Transit Center	West Loch
Yes	97%	95%
No	3%	5%

Question 14 - Percent very or somewhat likely		
At least one rail station will be within ½ mile (up to 10-minute walk) of your home. Once it is built, how likely or unlikely will you or someone in your household be to use rail transit for the following trips?	Waipahu Transit Center	West Loch
Use rail transit to get to work or school	48%	60%
Use rail transit to go shopping	53%	57%
Use rail transit to go to restaurants, bars or nightclubs	42%	45%
Use rail transit to visit beaches or recreation areas	45%	48%
Use rail transit to meet up with friends/family	50%	53%

Question 15 - Percent strongly or somewhat support		
When the rail system is built there may be opportunities to build new amenities around the rail stations. How strongly would you support or oppose building each of the following near the West Loch station?	Waipahu Transit Center	West Loch
Bicycle parking	86%	87%
Plazas or small parks	80%	84%
Bus shelters	86%	91%
Places to sit	87%	90%
Improved landscaping	86%	90%
Coffee shops and restaurants	83%	86%
Convenience stores (i.e. 7-11)	81%	86%
Services, like hair salons or drycleaners	67%	72%
Shopping centers	73%	79%
Grocery stores	77%	83%
Drug stores (pharmacies)	76%	84%
Affordable/subsidized housing	65%	72%
Regular/market rate housing	63%	74%
Other	64%	70%

Question 16 – Percent strongly or somewhat support		
How strongly would you support or oppose building each of the following near the Waipahu Transit Center station?	Waipahu Transit Center	West Loch
Bicycle parking	85%	83%
Plazas or small parks	74%	82%
Bus shelters	85%	90%
Places to sit	88%	92%
Improved landscaping	86%	88%
Coffee shops and restaurants	81%	86%
Convenience stores (i.e. 7-11)	76%	85%
Services, like hair salons or drycleaners	62%	73%
Shopping centers	68%	79%
Grocery stores	73%	84%
Drug stores (pharmacies)	72%	84%
Affordable/subsidized housing	63%	78%
Regular/market rate housing	64%	73%
Other	68%	84%

Question 17 – Percent strongly or somewhat support		
How strongly would you support or oppose the following improvements for major streets near the Waipahu Transit Center and West Loch stations?	Waipahu Transit Center	West Loch
Expanding bus service	92%	91%
Establishing bike lanes	91%	86%
Improving sidewalks	96%	94%
Adding street lighting	95%	95%
Planting trees	91%	94%
Adding crosswalks	96%	92%
Adding on street parking	82%	84%
Adding places to sit	93%	95%
Adding trash bins	97%	97%

Question 18		
How often does flooding in Waipahu town affect you?	Waipahu Transit Center	West Loch
Most rainstorms	12%	6%
At least once each winter	12%	7%
Once every two or three years	10%	9%
Very rarely/Never	67%	78%

Question 20		
Where is your work or school located? (Please check all that apply)	Waipahu Transit Center	West Loch
Kalihi/Sand Island	8%	10%
Manoa	4%	2%
Downtown	18%	18%
Kaimuki	1%	3%
Ewa/Kapolei	15%	11%
Windward	3%	5%
Kakaako	1%	1%
Waikiki	5%	15%
Central Oahu	2%	5%
Waipahu	6%	8%
East Oahu	1%	3%
Aiea/Pearl City	11%	16%
Kahala/ Diamond Head	1%	5%
Airport/Pearl Harbor	11%	7%
Moanalua/Salt Lake	7%	4%
Liliha/Nuuanu	1%	3%
Makiki	1%	3%
Waipahu	24%	42%
Other	5%	3%
All over	2%	0%
Retired/unemployed/disabled	11%	6%

Question 21 - Commuted by this Mode At Least One Day Last Week		
Thinking about last week, please tell us how you got to work each day (if you use more than one transportation mode, choose the one you used for the most miles).	Waipahu Transit Center	West Loch
Telecommute	7%	7%
Drive vehicle alone	58%	51%
Car/van pool	10%	15%
Motorcycle or scooter	0%	2%
Bus	23%	27%
Walk	3%	5%
Bike	0%	0%
Alternate transport	37%	49%

Question Q21 - Commuted by this Mode Every Workday Last Week		
Thinking about last week, please tell us how you got to work each day (if you use more than one transportation mode, choose the one you used for the most miles).	Waipahu	West
	Transit Center	Loch
Telecommute	5%	6%
Drive vehicle alone	51%	46%
Car/van pool	2%	9%
Motorbike or scooter	0%	1%
Bus	15%	21%
Walk	1%	4%
Bike	0%	0%
Alternate transport	30%	44%

Question 21- Commute Mode Share		
	Waipahu Transit Center	West Loch
Drove alone	62%	50%
Telecommuted	7%	5%
Carpooled	6%	14%
Motorbike or scooter	0%	2%
Took bus	23%	24%
Walked	2%	5%
Biked	0%	0%

## Appendix E: Responses to Open Ended Questions

### *Other Responses to Q7: What 3 things do you like most and what 3 things do you like least about living in your neighborhood?*

#### Most

- All seniors, no adults
- Ample parking/free for stores-rate not reported Oahu tourist cover-up
- Don't have to explain
- Drainage
- Get rid of the children & roosters now, early in the morning they are up at 3:30 am.
- Living in same home 50+ years
- More police patrol
- Mortgage payment all 'pau'
- No drugs on my street
- Not crowded like in town
- Not prone to flooding
- Nothing
- Own my house
- Secured building
- Sense of history
- Still not affordable
- Supposedly a secured unit
- When rail started they messed up Farrington Highway, our nice street. It's full of potholes now.

#### Least

- Aesthetics
- I don't want rail in our backyard!
- Rail construction
- Tree removal for rail
- Racial discrimination (sometimes from locals)
- Hot!!
- Neighbor doesn't take care of house/yard
- Unsociable property manager
- The transit planning and the way it is being executed
- 6th floor view facing houses vice harbor
- Commercial activity
- Late night residential parties
- Don't know many neighbors
- Friendly main street
- Lack of well designed, pedestrian friendly main street
- My neighbor across the street
- My side neighbor's dog house smells
- Entrance to Waipahu needs improvement. Painting across Waipahu High School needs to be removed. Welcome to Waipahu sign needs to be bigger.

- Need to beautify Waipahu. Need more trees, like Mililani.
- No family entertainment (theatres, family events, etc.)
- Construction going on. Stop the rail.
- Construction on Farrington Highway
- Neighbor runs auto shop from back yard, paints cars in open air, sells auto parts, not a licensed business, someone lives in shed to protect auto parts.
- Too many low income rentals with bad people
- Too many multi-generation homes
- Lack of enforcement by City & State
- People drinking and getting drunk
- Some neighbors have children & rooster and they keep get up too early and make noise
- Need more fit b machines
- No larger hall trees, etc.
- Rail against rail (noise)
- Overpopulated, too many multifamily dwellings
- Lighting from Hans L'Orange Park is on too late
- Drinking at nights at the bus stops
- No benches on the way
- No communication (good)
- No theaters
- Some people are not friendly
- High low-income/welfare community
- A lot of smokers
- Neighbors have no education
- No cleanliness
- Maintenance for my apartment not
- Front & back of my apartment are all repair (car) shops, you can smell the paint fumes
- None of the above
- Big land Hawaii U.S.A. Help the homeless jobless
- Plenty drinking kids at night.
- People have no class
- Throw their rubbish, such as tiles, wood, luggage, trash, any kind. They should observe cleanliness in the streets.
- Don't know many neighbors
- Need more things for children & more side walks
- Some are messy. Don't walk to a trash bin.
- Micronesians/Marshallese overcrowding-designed pedestrian
- Don't have many neighbors
- Drinking on street
- Location is too close to bus
- Restaurants
- Trash everywhere
- People hanging outside drinking
- Corner of Depot & Waipahu Streets
- Unsanitary sign & smell of bar
- Can think of nothing I dislike

***Other Responses to Q8: If only a few of the following amenities could be built or improved in your neighborhood, which five would you most like to see built or improved? (Check the 5 that are most important to you)***

- Bike lockers
- Bus stop shelters/bus transit center
- Clean & shady bus stops
- Control chickens
- Keep recycling bin away from homes.
- Landscape how it was-millions lost to rail
- Modern buildings
- Plant more trees.
- Relocate bus stops not too close to building-restaurants.
- Roadway scenery
- Satellite City Hall driver licensing
- Starbucks/coffee shop
- Transit bus center improved
- Improve road conditions
- Improve roads, plenty holes.
- Street paving
- Drug is rampage
- More police or sub authority for HPD
- Police presence in neighborhood
- Safe
- Surveillance
- Find or get help for the homeless
- Large grocery stores
- Shopping center (grocery stores)
- Brighter street lights.
- Repair traffic lights
- Street light
- Family entertainment

***Other Responses to Q9: If there was one thing you could do to improve your neighborhood what would it be?***

- Affordable medical, dental clinic
- Be able to know more neighbors
- Be friendly with always a smile! & always to say how is it?
- Better drainage system during storms/hurricanes just in case
- Build family entertainment center (theatres)
- Condemn old houses
- Create a social community association to increase friendship in my neighborhood and strengthen sense of community.
- Cut down trees and clean up the river banks so we don't have flooding when heavy storms, clean out drains
- Discipline
- Educate drivers to use their turn signals.

- Enforce the speed limit, especially the bus.
- Fast and easy to go to town
- Fix drainage canal along Farrington Highway from Paiwa to Awane'i St
- Get rid of all the low life assholes
- Get rid of people drinking on public sidewalks - they should be cited and jailed
- Get rid of people drinking in the street
- Get rid of pets, loose animals
- Get rid of the children & rooster
- Get rid of the Micronesians.
- Give more to charities
- Have community meetings to discuss problems and solutions to better the community.
- Have family events like neighborhood family fun nights and a neighborhood children playground where kids can feel happy and safe to play.
- Have Kiewit rebuild the median strip along Farrington Highway which they destroyed; Mayor Harris did Waipahu proud.
- Have more computers at the library, have more security or have police visit the public parks for public safety
- Have neighborhood party and get togethers / parking
- Health clinics
- Help each other. Neighborhood watch.
- Help educate the people from the Micronesian islands to follow the rules & regulation of the apartments, they do not cooperate.
- I would put a stage on the bus stops the "non-smoking," a lot of people smoke @ the bus stops & even though they see people bus crowd they still smoke.
- Improve apartment complex.
- Improve life by being accessible to more amenities - e.g. Park, library
- Instill a sense of pride and caring in Waipahu in general.
- Killing of animals in the yards of people holding parties
- Know my neighbors better, socialize with them (more often, if possible) with simple greetings as we meet along the way/small conversation
- Less accidents
- Less construction
- Limit number of people in each house and limit number of cars at each house.
- Limit the number of people who can live in one home and cars
- Loneliness.
- Lower cost of living
- Modernize it
- More community activities
- More sense of community; be more considerate of neighbors regarding noise levels late at night.
- More trees
- More trees for shade & breeze. Our community cut down the trees by our house because too humbug to clean flowers & leaves all the time. And now it's really hot!!! And we pay more for electric because of that.
- Mostly smoking at the bus transit stop, mostly they smoke on the waiting side area; smoking is so hazardous, mostly many people waiting for the bus ride.
- No drinking in the park late at night
- No smoking

- No drinks and smoke pakalolo every night and sometimes day in the sidewalk of pakalolo.
- Plant more trees
- Plant more trees and plants
- Plant more trees to give shade
- Preserve peace and order
- Prohibit fruit trees close to boundary & fruits falling onto public sidewalk.
- Promote peace and order
- Remove overhead: Electrical, cable, telephone, etc. lines, trash man hits lines sometimes.
- I would like the condition of schools and less stores to improve
- Restore median strip along Kamehameha Highway - I want the landscaping restored. It's ugly driving through Waipahu since rail construction started.
- Schools
- Stop all the construction that's going on Farrington Highway. Don't need any more cement on our streets
- Stop everyone around my community from smoking & selling drugs.
- Stop rail
- Support proposed projects for neighborhood.
- The smoking sign that people can't smoke near buses, that one thing I hate about waiting for the bus.
- Time
- To not have overload of tenants in one house & their cars should not park on the street blocking emergency vehicles
- Waipahu library should be open on Saturdays, more police roving the park in the evening time, plant more trees and flowers

***Other Responses to Q10: What landmarks or characteristics of your neighborhood are most important to preserve?***

- Park & bus stop
- Parks & parking
- Parks, open space, parking, low crime rate
- Parks, bike lanes, walking paths
- Sugar mill, Kapakahi Stream
- The trees & pond or streets clean.
- As the current tract subdivisions are, Kiewit already destroyed Harris' beautification project for Waipahu!
- Culture
- Filcom
- Filipino community
- Filipino culture center - Hans L'Orange park
- Golden-I have been robbed & 2 other women coming home from work. A Woman lost her eye sight in one eye to a fight in the laundry. A girl broke a bone on the playground there's no adequate supervision of adults 2,3,4 yrs. old play as they wish they are very noisy people at nights (Sucase apartments)
- Gym
- Homesteads
- Hospital
- If possible front curb side owner of property can have the right to occupy parking first rather than next door neighbors who have multiple cars.

- Important of the people care your own first. Family, some body & everybody. Good health, place full, happy together follow the government rail god blessed to all around the world ok.
- Keep Waipahu no rail!!
- Most are already gone.
- Parking
- Post office in Waipahu
- Respect
- Safety
- Safety. Cleanliness & beautification!!!
- Sports facilities.
- Street lights
- The gym
- The twin building
- Their tradition on race
- They already failed – Arakawa’s Store
- Traffic lights
- Waipahu Depot Road
- Waipahu Depot Street
- Walking on cross walk with lights
- Would like to get a community gym.

*Other Response to Q11a: What neighborhood in Honolulu would you most like to live in?*

- Nuuanu
- Wainhaou (?)
- Kamalu-Hoolulu elderly housing Waipahu, Hawaii
- West Oahu
- Pearlridge-Wailuna
- Waimanalo, North shore
- Marco Polo/Kapiolani
- Puunui
- Almost all
- Waialae/Kaimuki
- Aiea
- North shore
- Kaimuki (near the top of Waialae in Kaimuki)
- Kaneohe
- Manoa
- Kaimuki/Kapahulu
- Ewa Beach / Waipahu
- Waikele
- Wahiawa Heights
- Aiea
- Windward
- Waikele
- Waimanaloa area, cuz I was raised there.
- Kaimuki
- Kaaawa
- Waipahu

- Leeward
- Waialae or Kahala
- Waialae or Kailua
- Near Pearl Harbor base
- Pauoa
- Aiea
- Mililani or Kapolei
- Kunia area
- East side where I crew
- Waikele
- Oasis
- Oasis (but the cost to live here is expensive)
- Waianae
- Asia
- Leeward
- Village park
- Town
- Ward control
- From Waipahu go back to Aiea
- Pacific palisades
- Kahala
- Pearlridge
- Pilipino
- Kavanaina and aloha spirit
- Leeward area
- Aiea
- Harbor view subdivision
- Kaneohe, Hauula, Punaluu, Moanalua
- Ewa Beach
- Ewa Beach/ Kapolei
- Ewa / Kapolei
- Ewa
- Ewa Beach
- Ewa Beach
- Kaneohe
- Kaneohe
- Kaneohe or Mililani
- Kaneohe or area
- Kaneohe
- Kaneohe
- Kaneohe to Kahuku
- Kaneohe
- Kaneohe
- Kapolei
- Kapolei
- Kapolei
- Kapolei

- Kapolei
- Kapolei
- Kapolei (Waipahu is ok too!)
- Kapolei
- Kapolei
- Kapolei
- Kapolei, Waipahu
- Kapolei
- Kapolei/Makakilo
- Kapolei
- Kapolei
- Kapolei or Waikele
- Kapolei
- Kapolei
- Makakilo
- Makakilo
- Makakilo
- Makakilo
- Makakilo or Kapolei
- Makakilo-Ewa Beach
- Wahiawa

***Other Responses to Q15: When the rail system is built there may be opportunities to build new amenities around the rail stations.***

- Car parking
- Car parking very very very important
- Parking structure
- Regular patrol of HPD/security
- Security cameras, police kiosk, direction sign in foreign languages for tourists
- Security to keep out drug dealers
- Affordable in everything
- All for
- Exercise center for seniors
- Fix roads and sidewalks
- Handicap accessible
- Homeless shelters
- I don't live near West Loch
- Making the road safer for our children who walk to school
- Medical care facilities
- More street lighting
- Movie theater
- None
- Park and go
- Rail transit system
- So we can at least have some kind of saving to fall on a rainy day!!!
- Theatre
- Un-regular market rate
- YMCA

***Other Responses to Q16: When the rail system is built there may be opportunities to build new amenities around the rail stations.***

- All for
- ATM
- Better street lightings
- Bike paths
- Exercise center for seniors
- Fix road and sidewalks
- Government offices
- Handicap accessible
- Parking
- Parking structure
- Police substation
- Rail transit system
- Rent control
- Security
- Shopping complex
- Sports bars
- YMCA

***Other Responses to Q20: Where is your work or school located? (Please check all that apply)***

- Alaska
- Halawa
- Halawa/Aiea
- Hau'ula
- Home
- Kahuku, Makua Valley
- Kalihi Valley
- Kapolei
- Koolina
- Kunia
- Leeward
- Moiliili
- Mapunapuna
- Punahou
- Punahou
- Waimanalo
- Waipahu
- Waipio
- Waikele
- West Dairy

***Other Responses to Downtown Q22: Which best describes the building where you live?***

- Cement stairway
- Got mostly all what a disable person needs but like to see how to go about owning my home!!!
- HUD Housing Disabled Independent Living
- Home 4 independent living

- HUD building
- Independent living

## Appendix F: Methodology

### *Developing the Questionnaire*

The survey instrument for the City and County of Honolulu 2012 Community Survey of Waipahu residents was developed through an iterative process between staff from the City and County of Honolulu and NRC. The Downtown and Kalihi neighborhood surveys (which were created and implemented in 2011) and the Ala Moana survey (created and implemented in 2012) were used as a foundation for the Waipahu survey, and while most questions were retained, several were updated or replaced with unique questions developed for the Waipahu neighborhood.

### *Selecting Survey Recipients*

“Sampling” refers to the method by which survey recipients are chosen. The “sample” refers to all residents who were given a chance to participate in the survey. The population of interest for the Waipahu Community Survey was those households that were located within a half mile of the planned Waipahu Transit Center and West Loch rail transit stations.

To create this sample, a USPS list of all residential addresses within the zip codes near the stations was purchased. Each of the addresses was geocoded to determine the precise longitude and latitude of the address. This geocode information was also used to determine the walking distance of the address to the relevant rail station. All addresses within a half mile of the relevant station were included as part of the desired population. From this population, 2,700 addresses were randomly selected to receive the mail survey. These 2,700 households were 89% of the total number of households (3,028) estimated to be within a half mile of one of the two planned Waipahu stations.

### *Survey Administration and Response*

Each selected household was contacted four times. First, a prenotification announcement was sent to the selected household informing them that they had been selected to participate in the survey. Approximately one week after mailing the prenotification, each household was mailed a survey containing a cover letter signed by the Director of the Department of Planning and Permitting enlisting participation. The packet also contained a postage-paid return envelope in which the survey recipients could return the completed questionnaire to NRC. Each survey had a unique five-digit code ink-jetted on the top of the cover page so that the returned survey could be linked to the data about how far the household was from a planned rail station.

A reminder letter and survey was mailed to arrive one week after the first survey. The second cover letter asked those who had not completed the survey to do so and those who had already done so to refrain from turning in another survey. A week after the reminder survey, a follow-up postcard was mailed. The postcard asked non-responders to find and complete the survey and provided a phone number to call if they had lost the survey.

The cover letter of the survey included text in Tagalog and Ilocano telling residents how to request an in-language version of the survey if they preferred to respond in Tagalog or Ilocano. No residents requested in-language versions of the surveys.

The mailings were sent in October and November of 2012, and completed surveys were collected over the following six weeks. About 3% of the 2,700 surveys mailed were returned because the housing unit was vacant or the postal service was unable to deliver the survey as addressed. Of the remaining 2,608 who received a survey, 547 completed the survey, providing a response rate of

21%. This is a typical response rate; average response rates for a mailed resident survey typically range from 20% to 30% for larger urban populations. This response rate was lower than those seen in the Downtown, Kalihi, and Ala Moana community surveys.

### *Confidence Intervals*

The 95% confidence interval (or “margin of error”) quantifies the “sampling error” or precision of the estimates made from the survey results. A 95% confidence interval can be calculated for any sample size and indicates that in 95 of 100 surveys conducted like this one, for a particular item, a result would be found that is within plus or minus four percentage points of the result that would be found if everyone in the population of interest was surveyed. The practical difficulties of conducting any resident survey may introduce other sources of error in addition to sampling error. Despite best efforts to boost participation and ensure potential inclusion of all households, some selected households will decline participation in the survey (potentially introducing non-response error) and some eligible households may be unintentionally excluded from the listed sources for the sample (referred to as coverage error).

While the 95 percent confidence level for the survey is generally no greater than plus or minus four percentage points around any given percent reported for a question answered by all the respondents (547), results for subgroups will have wider confidence intervals. Where estimates are given for subgroups, they are less precise. For each subgroup from the survey, the margin of error rises to as much as plus or minus 14% for 50 completed surveys, to plus or minus 7% for 200 completed surveys.

### *Survey Processing (Data Entry)*

Mailed surveys were submitted via postage-paid business reply envelopes. Each survey was reviewed and “cleaned” as necessary. For example, a question may have asked a respondent to pick two items out of a list of five, but the respondent checked three; staff would choose randomly two of the three selected items to be coded in the dataset.

Once all surveys were assigned a unique identification number, they were entered into an electronic dataset. This dataset was subject to a data entry protocol of “key and verify,” in which survey data were entered twice into an electronic dataset and then compared. Discrepancies were evaluated against the original survey form and corrected. Range checks as well as other forms of quality control were also performed.

### Weighting the Data

The demographic characteristics of the survey respondents were compared to those in the Census blocks that were within a half mile of the relevant planned rail stations. Survey results were weighted using the Census norms to reflect the appropriate percent of those in the Census blocks. Other discrepancies between the whole population and the survey respondents were also aided by the weighting due to the intercorrelation of many socioeconomic characteristics.

The variables used for weighting were respondent age, gender, ethnicity, household type, and tenure. A special software program using mathematical algorithms is used to calculate the appropriate weights. The results of the weighting scheme are presented in the figure below.

**2012 City and County of Honolulu Waipahu Community Survey Weighting Table**

	Population Norm <sup>1</sup>	Unweighted Data	Weighted Data
<b>Housing tenure</b>			
Own	56%	56%	55%
Rent	44%	45%	45%
<b>Housing type</b>			
Detached*	25%	42%	28%
Attached*	75%	58%	72%
<b>Ethnicity</b>			
Asian	69%	68%	68%
Hawaiian	12%	7%	11%
White	5%	5%	5%
Other or two or more races	14%	20%	15%
<b>Gender</b>			
Female	51%	55%	52%
Male	49%	45%	48%
<b>Age</b>			
Age 18-34	31%	15%	29%
Age 35-54	34%	31%	33%
Age 55 and over	35%	54%	38%

\*Source: U.S. 2010 Census and American Community Survey 2005-2009.

### Analyzing the Data

The electronic dataset was analyzed by National Research Center, Inc. staff using the Statistical Package for the Social Sciences (SPSS). For the most part, frequency distributions are presented in the body of the report. A complete set of frequencies for each survey question is presented in *Appendix A: Survey Results*.

## **Appendix G: Survey Instrument**

This appendix contains the 2012 Waipahu Community Survey.

## We need your input!



Dear Waipahu Resident,

The City and County of Honolulu is building a rail transit line from East Kapolei to Ala Moana to provide transportation alternatives and help residents travel more efficiently. Two stations are being planned near you at the Waipahu Transit Center and West Loch. The locations are shown on the map below.

Your home is located within a half mile of one of these stations, and we would really like to hear from you as we begin to make plans to guide future public investment and development around the stations. For the purpose of this survey, please consider your neighborhood the area within walking distance of your home and the nearest station.

To select a household member randomly, the adult (anyone 18 years or older) in your household who most recently had a birthday should complete this survey. The year of birth of the adult does not matter. Please spend a few minutes to answer all the questions and return the survey in the enclosed postage-paid envelope. Your responses will remain completely anonymous.

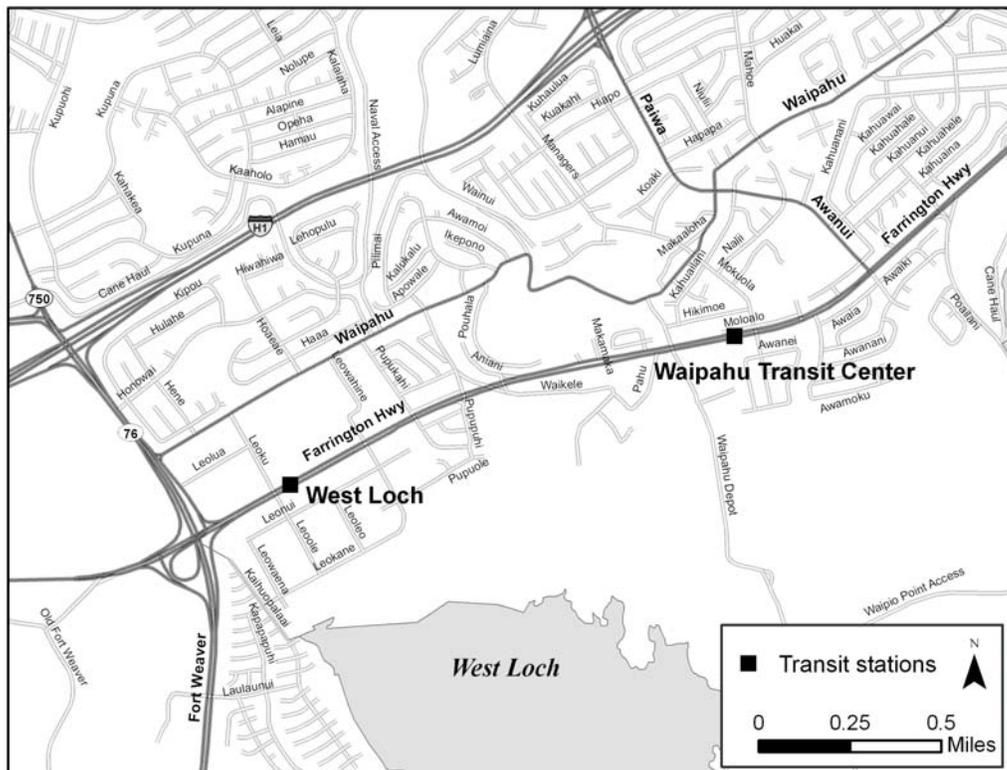
Your participation in this survey is very important. You will help shape the future of your Waipahu neighborhood for generations to come!

If you have any questions about this survey, please call our staff member, Renee Espiau, at (808) 768-8050.

Thank you for your time and participation.

Sincerely,

Jiro Sumada, Acting Director  
 Department of Planning and Permitting  
 City and County of Honolulu



Kung mas gugustuhin mong sagutin ang survey na ito sa Tagalog, mangyaring tumawag lamang sa walang babayaring tawag: 1-866-889-2405 at hilingin na padalhan ka namin ng survey na naisalin sa Tagalog.

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No kaykayatmo a sungbatan daytoy a survey iti Ilocano, umawagka koma iti awan bayad a panagawag: 1-866-297-8922 ken kiddawen nga ipaw-itan daka iti naipatarus iti Ilocano a survey.

Please complete this questionnaire if you are the adult (age 18 or older) in the household who most recently had a birthday. The adult's year of birth does not matter. Your responses are anonymous and will be reported in group form only. Results are tabulated by a company independent of the City & County.

Thank you!

1. Please rate each of the following characteristics of your neighborhood.

(Please check one box for each line)

	<u>Excellent</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Don't know</u>
Cleanliness of public spaces (including streets/sidewalks)	<input type="checkbox"/>				
Availability of trash/recycling receptacles .....	<input type="checkbox"/>				
Presence of trees and other shade providing canopies .....	<input type="checkbox"/>				
Presence of sidewalks .....	<input type="checkbox"/>				
Condition of sidewalks .....	<input type="checkbox"/>				
Number of cross-walks/crossing-lights .....	<input type="checkbox"/>				
Safety while walking .....	<input type="checkbox"/>				
Overall ease of walking in your neighborhood.....	<input type="checkbox"/>				
Number of bicycle paths and lanes .....	<input type="checkbox"/>				
Condition of bicycle paths and lanes.....	<input type="checkbox"/>				
Availability of bike racks/bike storage.....	<input type="checkbox"/>				
Safety while bicycling .....	<input type="checkbox"/>				
Overall ease of biking in your neighborhood .....	<input type="checkbox"/>				
Ease of locating bus stops .....	<input type="checkbox"/>				
Condition of bus stops.....	<input type="checkbox"/>				
Safety when waiting for buses .....	<input type="checkbox"/>				
Safety when riding buses.....	<input type="checkbox"/>				
Overall ease of bus travel .....	<input type="checkbox"/>				
Condition of local streets .....	<input type="checkbox"/>				
Traffic flow on local streets .....	<input type="checkbox"/>				
Amount of public parking .....	<input type="checkbox"/>				
Overall, how easy it is for you to get around in Honolulu? .....	<input type="checkbox"/>				

2. How often does any member of your household use neighborhood parks?

- Almost daily     A few times a week     A few times a month     Once a month or less     Never

3. Please rate the quality of the parks in your neighborhood for the following:

(Please check one box for each line)

	<u>Excellent</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Don't know</u>
Quality of parks for playing sports .....	<input type="checkbox"/>				
Quality of parks for exercising.....	<input type="checkbox"/>				
Quality of park playgrounds for children .....	<input type="checkbox"/>				
Quality of parks for picnicking or hanging out .....	<input type="checkbox"/>				

4. How safe do you feel in your neighborhood parks?

(Please check one box for each line)

	<u>Very safe</u>	<u>Somewhat safe</u>	<u>Somewhat unsafe</u>	<u>Very unsafe</u>	<u>Not applicable</u>
In parks during the day.....	<input type="checkbox"/>				
In parks at night.....	<input type="checkbox"/>				
In parks, when homeless people are present .....	<input type="checkbox"/>				

**5. We'd like to know if you have the following businesses in your neighborhood, and if they are in your neighborhood, how you would rate them overall. Are they excellent, good, fair or poor?**

	<b>Is this in your neighborhood?</b>		<b>If in neighborhood, are they...</b>				<b>Don't know</b>
	<b>No</b>	<b>Yes</b>	<b>Excellent</b>	<b>Good</b>	<b>Fair</b>	<b>Poor</b>	
Restaurants.....	<input type="checkbox"/> No	<input type="checkbox"/> Yes.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bars or night clubs.....	<input type="checkbox"/> No	<input type="checkbox"/> Yes.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coffee shops.....	<input type="checkbox"/> No	<input type="checkbox"/> Yes.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Beauty salons (hair, nails, barbers).....	<input type="checkbox"/> No	<input type="checkbox"/> Yes.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Family entertainment (theaters, etc.).....	<input type="checkbox"/> No	<input type="checkbox"/> Yes.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Grocery stores.....	<input type="checkbox"/> No	<input type="checkbox"/> Yes.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Drug stores (pharmacies).....	<input type="checkbox"/> No	<input type="checkbox"/> Yes.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Convenience stores, (i.e. 7-11).....	<input type="checkbox"/> No	<input type="checkbox"/> Yes.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Laundry/drycleaners.....	<input type="checkbox"/> No	<input type="checkbox"/> Yes.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**6. We'd like to know if you have the following resources in your neighborhood, and if they are in your neighborhood, how you would rate them overall. Are they excellent, good, fair or poor?**

	<b>Is this in your neighborhood?</b>		<b>If in neighborhood, are they...</b>				<b>Don't know</b>
	<b>No</b>	<b>Yes</b>	<b>Excellent</b>	<b>Good</b>	<b>Fair</b>	<b>Poor</b>	
Libraries.....	<input type="checkbox"/> No	<input type="checkbox"/> Yes.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Schools.....	<input type="checkbox"/> No	<input type="checkbox"/> Yes.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Child care (day cares).....	<input type="checkbox"/> No	<input type="checkbox"/> Yes.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Youth centers.....	<input type="checkbox"/> No	<input type="checkbox"/> Yes.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Community centers.....	<input type="checkbox"/> No	<input type="checkbox"/> Yes.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Senior centers.....	<input type="checkbox"/> No	<input type="checkbox"/> Yes.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Medical clinics/dentists.....	<input type="checkbox"/> No	<input type="checkbox"/> Yes.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Affordable housing.....	<input type="checkbox"/> No	<input type="checkbox"/> Yes.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**7. What 3 things do you like most and what 3 things do you like least about living in your neighborhood? (Choose, or write-in, up to 3 things in each column)**

**3 things you most like**

- Location is close to jobs/bus stops
- Housing is affordable
- Housing is in good condition
- House/property is good size for my household
- Neighborhood is quiet
- Lively community/a lot going on
- Strong sense of community
- Crime rate is low
- Safe to walk, drive or play (few accidents)
- Good schools for children
- Close to shopping
- Close to recreation areas/facilities
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

**3 things you least like**

- Location is not close to jobs/bus stops
- Housing is expensive
- Housing is in poor condition
- House/property is small, not enough space
- Neighborhood is too noisy
- Neighborhood is too quiet/not a very lively place
- Don't know many neighbors
- Crime rate is too high
- Unsafe to walk, drive or play (too many accidents)
- No good schools for children
- Far from shopping
- Far from recreation areas/facilities
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

8. If only a few of the following amenities could be built or improved in your neighborhood, which five would you most like to see built or improved? (Check the 5 that are most important to you)

- |  |  |   |
|--|--|---|
| <input type="checkbox"/> Improved sidewalks/crosswalks | <input type="checkbox"/> Youth centers             | <input type="checkbox"/> Sports facilities (gyms, fields, etc.) |
| <input type="checkbox"/> Walking paths/trails          | <input type="checkbox"/> Community centers         | <input type="checkbox"/> Children's playgrounds                 |
| <input type="checkbox"/> Bike paths and bike lanes     | <input type="checkbox"/> Senior centers            | <input type="checkbox"/> Child care (day cares)                 |
| <input type="checkbox"/> More car parking              | <input type="checkbox"/> Schools                   | <input type="checkbox"/> Medical clinics/dentists               |
| <input type="checkbox"/> Parks                         | <input type="checkbox"/> Libraries                 | <input type="checkbox"/> Affordable housing                     |
| <input type="checkbox"/> Community gardens             | <input type="checkbox"/> Immigrant/social services | <input type="checkbox"/> Other _____                            |

9. If there was one thing you could do to improve your neighborhood what would it be?

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10. What landmarks or characteristics of your neighborhood are most important to preserve?

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11. What type of neighborhood do you most desire to live in?

- Low-scale single-family homes, using my car as the primary way to shop and get to work/school
- 3-4 story apartment buildings and townhomes, using transit and my car to get around
- 15-30 story high-rise apartment/condominium buildings, walking and using transit to get around

11a. What Oahu neighborhood would you most like to live in? \_\_\_\_\_

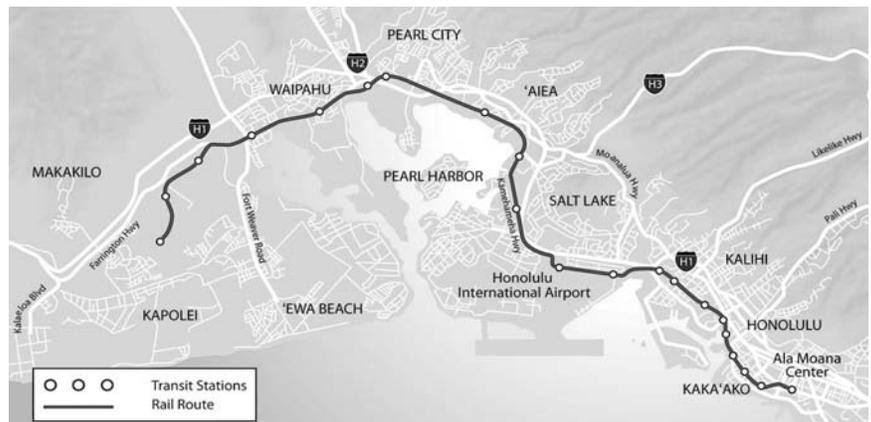
12. Do you plan to move from your current home in the next two years?

- |   |   |
|---|---|
| <input type="checkbox"/> Yes _____                      | → 12a. Where will you move?                               |
| <input type="checkbox"/> No → go to question 13         | <input type="checkbox"/> A new place in this neighborhood |
| <input type="checkbox"/> Don't know → go to question 13 | <input type="checkbox"/> Another neighborhood in Honolulu |
|   | <input type="checkbox"/> Outside Honolulu, but on Oahu    |
|   | <input type="checkbox"/> Outside Oahu                     |

13. Before receiving this survey, were you aware that the City and County of Honolulu is planning to build a rail transit line?

- Yes
- No

Map of Proposed Rail Stations



14. At least one rail station will be within ½ mile (up to 10-minute walk) of your home. Once it is built, how likely or unlikely will you or someone in your household be to use rail transit for the following trips? (Check one box for each line)

	Very likely	Somewhat likely	Somewhat unlikely	Very unlikely
Use rail transit to get to work or school .....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Use rail transit to go shopping .....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Use rail transit to go to restaurants, bars or nightclubs .....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Use rail transit to visit beaches or recreation areas .....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Use rail transit to meet up with friends/family .....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**15. When the rail system is built there may be opportunities to build new amenities around the rail stations. How strongly would you support or oppose building each of the following near the West Loch station?**

*(Check one box for each line)*

	<b>Strongly support</b>	<b>Somewhat support</b>	<b>Somewhat oppose</b>	<b>Strongly oppose</b>	<b>Don't know</b>
Bicycle parking.....	<input type="checkbox"/>				
Plazas or small parks.....	<input type="checkbox"/>				
Bus shelters .....	<input type="checkbox"/>				
Places to sit.....	<input type="checkbox"/>				
Improved landscaping .....	<input type="checkbox"/>				
Restrooms.....	<input type="checkbox"/>				
Coffee shops and restaurants.....	<input type="checkbox"/>				
Convenience stores (i.e. 7-11).....	<input type="checkbox"/>				
Services, like hair salons or drycleaners .....	<input type="checkbox"/>				
Shopping centers.....	<input type="checkbox"/>				
Grocery stores .....	<input type="checkbox"/>				
Drug stores (pharmacies) .....	<input type="checkbox"/>				
Affordable/subsidized housing.....	<input type="checkbox"/>				
Regular/market rate housing .....	<input type="checkbox"/>				
Other.....	<input type="checkbox"/>				

**16. How strongly would you support or oppose building each of the following near the Waipahu Transit Center station?**

*(Check one box for each line)*

	<b>Strongly support</b>	<b>Somewhat support</b>	<b>Somewhat oppose</b>	<b>Strongly oppose</b>	<b>Don't know</b>
Bicycle parking.....	<input type="checkbox"/>				
Plazas or small parks.....	<input type="checkbox"/>				
Bus shelters .....	<input type="checkbox"/>				
Places to sit.....	<input type="checkbox"/>				
Improved landscaping .....	<input type="checkbox"/>				
Restrooms.....	<input type="checkbox"/>				
Coffee shops and restaurants.....	<input type="checkbox"/>				
Convenience stores (i.e. 7-11).....	<input type="checkbox"/>				
Services, like hair salons or drycleaners .....	<input type="checkbox"/>				
Shopping centers.....	<input type="checkbox"/>				
Grocery stores .....	<input type="checkbox"/>				
Drug stores (pharmacies) .....	<input type="checkbox"/>				
Affordable/subsidized housing.....	<input type="checkbox"/>				
Regular/market rate housing .....	<input type="checkbox"/>				
Other.....	<input type="checkbox"/>				

**17. How strongly would you support or oppose the following improvements for major streets near the Waipahu Transit Center and West Loch stations?**

*(Check one box for each line)*

	<b>Strongly support</b>	<b>Somewhat support</b>	<b>Somewhat oppose</b>	<b>Strongly oppose</b>	<b>Don't know</b>
Expanding bus service .....	<input type="checkbox"/>				
Establishing bike lanes.....	<input type="checkbox"/>				
Improving sidewalks .....	<input type="checkbox"/>				
Adding street lighting .....	<input type="checkbox"/>				
Planting trees.....	<input type="checkbox"/>				
Adding crosswalks .....	<input type="checkbox"/>				
Adding on-street parking.....	<input type="checkbox"/>				
Adding places to sit. ....	<input type="checkbox"/>				
Adding trash bins.....	<input type="checkbox"/>				

**18. How often does flooding in Waipahu town affect you? (Choose one)**

- Most rainstorms     At least once each winter     Once every two or three years     Very rarely/Never

Our last questions are about you and your household.  
Again, all of your responses to this survey are completely anonymous and will be reported in group form only.

**19. How long have you lived:** *(Please check one box for each line)*

	<u>Less than 1 year</u>	<u>1-4 years</u>	<u>5-9 years</u>	<u>10-19 years</u>	<u>20 or more years</u>
In this house/apartment.....	<input type="checkbox"/>				
In this neighborhood .....	<input type="checkbox"/>				
On Oahu.....	<input type="checkbox"/>				

**20. Where is your work or school located?** *(Please check all that apply)*

- |   |                                   |                                       |  |   |
|---|-----------------------------------|---------------------------------------|--|---|
| <input type="checkbox"/> Kalihi/Sand Island | <input type="checkbox"/> Downtown | <input type="checkbox"/> Kakaako      | <input type="checkbox"/> Ala Moana       | <input type="checkbox"/> Kahala/ Diamond Head |
| <input type="checkbox"/> Liliha/Nuuanu      | <input type="checkbox"/> Makiki   | <input type="checkbox"/> Manoa        | <input type="checkbox"/> Kaimuki         | <input type="checkbox"/> Airport/Pearl Harbor |
| <input type="checkbox"/> Waikiki            | <input type="checkbox"/> Waipahu  | <input type="checkbox"/> Central Oahu | <input type="checkbox"/> Aiea/Pearl City | <input type="checkbox"/> Moanalua/Salt Lake   |
| <input type="checkbox"/> Ewa/Kapolei        | <input type="checkbox"/> Windward | <input type="checkbox"/> East Oahu    | <input type="checkbox"/> Other _____     |   |

**21. Thinking about last week, please tell us how you got to work or school each day (if you used more than one transportation mode, choose the one you used for the most miles).** *(Please check one box for each day)*

	<u>Did not go to work/school</u>	<u>Worked from home</u>	<u>Drove vehicle alone</u>	<u>Car pooled</u>	<u>Motorbike or scooter</u>	<u>Took bus</u>	<u>Walked</u>	<u>Biked</u>
Monday	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tuesday	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Wednesday	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Thursday	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Friday	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Saturday	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sunday	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**22. Which best describes the building where you live?**

- House (single family/detached)
- Duplex/townhouse
- Low-income or senior housing
- Apartment/condo – walk-up
- Apartment/condo – with elevators
- Other (Please specify \_\_\_\_\_)

- 0 to 11 years of school
- High school
- Some college
- Associate's or technical school degree
- Bachelor's degree
- Graduate/professional degree

**23. Do you rent or own your home?**  Rent  Own

**24. Please tell us the number of adults (including yourself) and children who live in your home.**

\_\_\_\_\_ number of adults  
\_\_\_\_\_ number of children

**25. How many motor vehicles (cars, trucks, motorcycles, etc.) are owned or leased by the people in your household, and how many bicycles are owned and used on a regular basis?**

\_\_\_\_\_ number of vehicles  
\_\_\_\_\_ number of adult bicycles  
\_\_\_\_\_ number of children's bicycles

**26. Does any member of your household have a physical handicap, or is anyone disabled?**

Yes  No

**27. How old are you?** \_\_\_\_\_ years old

**28. What is your gender?**  Male  Female

**29. How much education have you completed?**

**30. How much was your household's total income before taxes in 2011? Include income from all sources for all persons living in your household.**

- |   |   |
|---|---|
| <input type="checkbox"/> Less than \$19,999   | <input type="checkbox"/> \$50,000 to \$74,999   |
| <input type="checkbox"/> \$20,000 to \$29,999 | <input type="checkbox"/> \$75,000 to \$99,999   |
| <input type="checkbox"/> \$30,000 to \$39,999 | <input type="checkbox"/> \$100,000 to \$149,999 |
| <input type="checkbox"/> \$40,000 to \$49,999 | <input type="checkbox"/> \$150,000 or more      |

**31. Which category best describes your race?**

*(Please check all that apply)*

- |   |                                      |
|---|--------------------------------------|
| <input type="checkbox"/> Native Hawaiian        | <input type="checkbox"/> Japanese    |
| <input type="checkbox"/> Samoan                 | <input type="checkbox"/> Chinese     |
| <input type="checkbox"/> Micronesian            | <input type="checkbox"/> Filipino    |
| <input type="checkbox"/> Other Pacific Islander | <input type="checkbox"/> Korean      |
| <input type="checkbox"/> Black/African American | <input type="checkbox"/> Vietnamese  |
| <input type="checkbox"/> American Indian/Inuit  | <input type="checkbox"/> Other Asian |
| <input type="checkbox"/> Hispanic/Latino        | <input type="checkbox"/> Other       |
| <input type="checkbox"/> White/Caucasian        |                                      |

**Thank you! Please return the survey to NRC using the postage-paid envelope provided.**  
**National Research Center, Data Entry, P.O. Box 549, Belle Mead NJ 08502-9922**

