



**BICYCLING AND WALKING
ATTITUDES SURVEY
IN CENTRAL FLORIDA**

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**Professor Evan M. Berman
Florida Institute of Government &
Department of Public Administration
University of Central Florida
Health and Public Affairs Building II, Room 238
Orlando, FL, 32816-1395**

EXECUTIVE SUMMARY

This study assesses the perceptions of Central Florida residents in Orange, Seminole and Osceola counties about their attitudes towards walking and bicycling, and their assessment of conditions for walking and bicycling. The study is based on a telephone survey conducted among 304 residents between December 18, 2002 and January 10, 2003. It was conducted by the Florida Institute of Government at the University of Central Florida. The principal investigator was Dr. Evan Berman, Department of Public Administration.

Highlights from this survey are:

- 52.3% of respondents state that they walk for pleasure or exercise three (3) or more hours each week. Among those who walk for pleasure or exercise, 74.2% also walk ten minutes or more to destinations such as work or shopping each week, compared to 50.4% of those who do not walk for pleasure or exercise. Overall, 78.2% of respondents state that they either walk for pleasure or exercise, or walk at least once to a destination such as work or shopping every week.
- 54.8% of respondents agree or strongly agree that they have shops in their neighborhood to which they can walk and, among those who do *not* have such shops, more than half (59.1%) wish that they did have such shops. 74.2% agree or strongly agree that their neighborhood has safe and attractive areas for walking.
- 41.7% of respondents ride a bike at least once a month. Those who ride a bike, ride it on average 2.8 times per week. Among those who bicycle, 39.2% ride it only once or less often, and only 19.2% ride it more than five times a week. The most common purpose of bicycling is pleasure or recreation (83.7%). Far less often are for work (3.0%), errands (13.1%) and other purposes (4.0%). Men ride bikes more than women (54.1% versus 30.5%), and bicycling drops sharply over age 64.
- A majority of respondents (63.8%) would like to see more bicycle lanes in Central Florida. Among those who bicycle, 4.0% strongly agree and 37.3% agree that the network of bicycle lanes and trails go where they need them to go, compared to, respectively, 1.7% and 24.3% among those who do not bicycle. Also, 79.9% of respondents agree or strongly agree that a region like Central Florida should have opportunities to bicycle to work.

- *Safety* is the most important factor affecting respondents' decision to walk or bicycle. Keeping a safe distance from traffic is mentioned by 93.6% as being important or very important in their decision to walk, and among 96.9% in their decision to bicycle. Other factors include personal safety, including attacks from other people (mentioned, respectively, by 87.0% and 91.6%), and the speed of nearby cars (respectively, 85.5% and 94.4%). Weather and lighting were mentioned by 86.5% and 88.2% as being affecting their decision to walk or bicycle. Beyond these common elements, walking decisions are influenced by having easy access to street crossings (90.2%), and the availability of sidewalks (86.2%). Bicycling decisions are influenced by knowledge of safe bicycling practices (93.7%) and locations to safely park bikes (85.6%). Other convenience factors, such as access to paved trails, shady streets and benches ranked lower.
- Respondents state that of every additional \$100 spent in coming years on transportation improvements, about \$15 should be spent on improvements for bicycling and walking, rather than for improved driving, transit, airports and other forms of transportation. Also, 62.9% agree or strongly agree that it is OK to pay in whole or in part for bicycling and walking improvements from other budget items such as highways, parks, education and law enforcement. About half of the respondents (53.1%) do not want any new taxes to fund such improvements, and among those who do approve of new taxes, the mean tax increase is \$100.67 (median \$50.00). These findings do not vary much by county or use of bicycle.
- 77.7% of respondents agree or strongly agree that they would like to live in a place where more of their daily needs can be met through walking or bicycling. Also, 87.6% would like Central Florida to be among the most attractive place places for bicycling and walking in the U.S. They are divided, however, whether Central Florida is such a place today: 39.5% state Central Florida is a less attractive for bicycling and walking than other places they know about, 55.0% state that it is an equally or more attractive place, and 16.6% don't know.

METHODS

This study was conducted by the University of Central Florida, Department of Public Administration, with support from the Florida Institute of Government at the University of Central Florida, on behalf of METROPLAN ORLANDO. The survey of Central Florida residents (in Orange, Osceola and Seminole counties) examines citizen attitudes towards bicycling and walking in Central Florida, including use of bicycling and walking facilities. This survey was conducted in order to assist planning for bicycling and walking in Central Florida. The principal investigator was Dr. Evan Berman, Department of Public Administration (University of Central Florida).

The survey was developed with input from METROPLAN ORLANDO staff. Data were collected through telephone interviews which were conducted from December 18, 2002 through early January 10, 2003. Calls were typically made between the hours of 5:00 pm and 9:00 pm, Mondays through Thursdays. A few calls, and some callbacks were made at other days or hours. Interviewing was conducted by DataMarq of St. Louis (MO).

The survey protocol is provided in Appendix 4. Respondents were randomly selected from listed phone numbers with exchanges that serve Orange, Osceola and Seminole Counties. Only residents over the age of 18 years and residing in Orange, Osceola and Seminole Counties were interviewed. The final sample of completed surveys consists of 304 residents, completed across each county as shown below. The results reported throughout the main body of this report and in Appendix 1 are weighted to reflect the relative population size of each county and the number of completed surveys within each county. The reported results reflect the perceptions of Central Florida residents. The weights and sample sizes are shown below:

Population and Sample Weights:

	COUNTY:		
	Orange	Seminole	Osceola
Number of completed surveys:	100	100	104
Population size (over 18 years):	669,568	272,436	126,264
Sample weights:	1.905408	0.775279	0.345493

Note: Population data are from the *U.S. Census 2000*, Matrices PCT12 and P13 available <http://factfinder.census.gov> (November 19, 2001)

Across all counties, a total of approximately 7,576 different phone numbers were dialed. Each phone number was dialed up to four times in order to contact potential interviewees. Of these approximately 7,576 different phone numbers, 3,354 were deemed ineligible

because 16 were a business or a government office, 370 were fax/modem lines, disconnected or out of service numbers, 2,355 did not answer (despite dialing up to four times) or have an answering machine, and 427 did not have an eligible respondent (at time of calling), 33 had no dial tone and 153 involved a respondent who did not understand English. Most ineligible respondents occurred toward the end of the survey, when participation criteria were restricted to ensure demographic balance of the final sample, discussed further. Of the remaining 4,222 numbers, we reached answering machines in 2,179 instances (despite dialing up to four times). Also, 1,269 respondents refused to participate, 224 surveys were not fully completed (early termination), and 246 potential respondents asked us to call back later, but we were either unable to reach them at a later time or we had completed the required number of surveys. Thus, a total of 304 surveys were completed. The response rate among those with whom we spoke is $[304 / (1,269 + 224 + 246 + 304) =]$ 14.9%.

The above calling procedures are designed to ensure a valid (that is, representative) sample of Central Florida residents. A valid (or, representative) sample is one that is adequate for generalizing the study results to the entire population. In this regard, the following table compares the survey samples and county populations. The data of the Central Florida region is computed from the three counties and is weighted in order to reflect the different population sizes as described above:

Population and Sample Demographics:

	Orange		Osceola		Seminole		Central Florida	
	Population	Sample	Population	Sample	Population	Sample	Population	Sample
Age:								
18-24	14.6%	13.1%	12.7%	13.5%	11.3%	12.1%	13.5%	12.9%
25-45	45.2%	44.5%	42.3%	39.4%	42.9%	39.4%	44.3%	42.6%
46-65	26.8%	28.3%	29.5%	29.8%	31.6%	35.3%	28.4%	30.3%
66+	13.4%	14.2%	15.6%	17.3%	14.2%	13.1%	13.9%	14.3%
Gender:								
Male	49.5%	50.5%	49.3%	46.2%	49.0%	47.0%	49.4%	49.1%
Female	50.5%	49.5%	50.7%	53.8%	51.0%	53.0%	50.7%	50.9%

Note 1: Population, race, age and gender data are from the *U.S. Census 2000*, Matrices PL1 through PL4, PCT12 and P13 available <http://factfinder.census.gov> (November 19, 2001). Census age groups are 18-24, 25-44, 45-64, and over 65 years.

Although we did not seek to match the sample's ethnic/race demographics, the final sample also closely matches that of the three region population. For example, whereas the three county area has a population of 66.5% Caucasians, the sample shows 65.9%. Likewise, the population has 17.1% of people of Hispanic origin, compared to 18.5% in the sample, and the population has 12.8% of African-Americans, compared to 11.6% in the sample. The balance are other races such as Asian and Native American, which make up 3.7% in the sample and 4.0% in the sample

The total sample size is 304 completed surveys. This implies a sampling error of no more than 5.6%. That is, on repeated sampling, the study results will be replicated with a margin of $\pm 5.6\%$ in 95 out of 100 samples. The sample size was selected based on cost-effectiveness: to reduce the sampling error to 2.8% requires a sample size of about 1,212 , a quadrupling of effort.

RESULTS

A. Profile of Respondents

In the study sample, 50.9% of respondents are female and 49.1% are male. About half (55.5%) are under 45 years of age, 30.3% are between 45 and 64 years, and 14.3% are over 65 years. More than half (65.9%) of the respondents describe themselves as being Caucasian. 18.5% state that they are of Hispanic origin, 11.6% describe themselves as being African-American, and 4.0% describe themselves as being of some other race. As described in the methodology, above, this demographic mix closely approximates that of the population.

Respondents report that their median total annual household is \$50,000. In the sample, 11.2% report household incomes of less than \$20,000, and 15.4% report incomes above \$100,000. The relationship between income and education is positive. For example, among those with incomes over \$80,000, 78.2% are college graduates or have graduate degrees, compared to 15.6% of those who have incomes up to \$40,000. Almost seventy percent (69.7%) of respondents report that they have voted at least once in the last two years.

Demographic analysis also shows that about one-third (37.1%) of respondents report that they have children under 18 years living at home. Among respondents, 29.9% have lived up to five years in Central Florida, 10.4% have lived in Central Florida between six and ten years, 23.9% between 11 and 20 years, and 35.8% more than 20 years. More than three-quarters of respondents (79.6%) state that they expect to be living in Central Florida 10 years from now. There is no association between having children expecting to be living in Central Florida 10 years from now.

Almost all respondents drive a car (92.5%). About two-thirds (65.2%) of respondents work outside of home and, of these, 87.8% state that they need a car for getting to and from work, and 34.0% state that they also need a car for on-the job travel. On average, those who drive a car to work drive it 13.75 miles (mean). 63.9% of respondents drive their car up to 10 miles to work. Few respondents, 5.8%, used a bus in the last week.

B. Frequency of Walking

About two-thirds of respondents (63.1%) state that they walk 10 minutes or more in getting to a destination such as work or shopping each week. Of these, half (51.8%) walk fewer than five times each week. In a separate question, about half (52.3%) of respondents state that they walk for pleasure or exercise three (3) or more hours each week. Among those who walk for pleasure or exercise, 74.2% also walk to destinations such as work or shopping each week, compared to 50.4% of those who do not walk for pleasure or exercise. Overall, 78.2% of respondents state that they either walk for pleasure or exercise, or walk at least once to a destination every week.

There is no association between walking for pleasure or exercise and gender, age, race or having children living at home. More respondents (63.0%) with household incomes over \$80,000 walk for pleasure or exercise than those with incomes between \$20,000 and \$60,000 (46.2%). Among respondents with household incomes under \$20,000, 59.3% walk for pleasure or exercise three (3) or more hours each week. This later group is also more likely to have used a Lynx bus (14.8%) than higher income groups (5.2%). Somewhat fewer respondents in Orange County (47.0%) walk for pleasure or exercise three (3) or more hours each week, than those in Seminole County (62.0%) and Osceola County (59.6%).

Women walk less often to destinations than men: respectively, 44.0% and 28.4% report that they do *not* walk to a destination in an average week. Also, respondents with household incomes under \$60,000 also walk less often to a destination than those with higher incomes: 41.7% versus 28.5%. There is no association between walking to a destination and age, race or having children living at home.

C. Assessment of Places and Conditions for Walking

Almost three-quarters of respondents (74.2%) agree or strongly agree that their neighborhood has safe and attractive areas for walking. 67.6% agree or strongly agree that they have parks and other green spaces in their neighborhood to which they can walk. Those who walk for pleasure or to a destination more often strongly agree (22.8%) that their neighborhood has safe and attractive areas for walking, than those who do not walk for pleasure or to a destination (13.1%).

Over half (54.8%) of respondents agree or strongly agree that they have shops in their neighborhood to which they can walk. Those who walk for pleasure or to a destination more often agree or strongly agree (61.5%) that they have shops in their neighborhood to which they can walk than, than those who do not walk for pleasure or to a destination (38.4%). Among those who do *not* have such shops, more than half (59.1%) wish that they did have such shops. Also, among those who do *not* have parks and other green spaces in

their neighborhood to which they can walk, 86.2% wish that they did have such parks and other green spaces in their neighborhood to which they could walk.

The survey also included a few items that assessed conditions for both walking and bicycling. 77.7% of respondents agree or strongly agree that they would like to live in a place where more of their daily needs can be met through walking or bicycling. Also, 87.6% would like Central Florida to be among the most attractive place places for bicycling and walking in the U.S. They are somewhat divided, however, whether Central Florida is such a place today: 39.5% state Central Florida is a less attractive for bicycling and walking than other places they know about, 55.0% state that it is a more attractive place, and 16.6% don't know.

Respondents were also asked, in an open-ended question, "If there was one thing that could be done to improve walking or bicycling in Central Florida, what would that be?" Coding of the open-ended responses shows that the most common answers concern the availability of sidewalks, including the ability to walk places, as well as safety regarding the shared use of roads (see Appendix 3).

D. Factors Affecting Walking

The survey examines several issues that affect the decision of respondents to walk. These issues are ranked below (1 = Very Important, 2 = Important, 3 = Somewhat Important, and 4 = Unimportant. Mean rating shown. The following responses are based on respondents with an opinion, hence, excluding any "don't know" responses reported in Appendix 1):

	Rating	% Important or Very Important
Keeping a safe distance from traffic	1.55	93.6
Personal safety, including attacks from other people	1.62	87.0
Easy access to street crossings	1.66	90.2
Availability of sidewalks	1.72	86.2
Speed of nearby cars	1.73	85.6
Destinations that are a reasonable distance away	2.07	75.5
Convenient access to paved trails	2.29	64.4
Availability of shady streets	2.38	60.6
Availability of benches	2.75	42.5

These results show that *safety* is the main determinant in the decision to walk, and that convenience is of secondary importance. Responses to these items do not vary much by whether respondents walk for pleasure or to a destination, but those who walk for pleasure or to a destination more often "strongly agree" that the above factors are important. For example, among those who walk, 64.4% strongly agree and 23.3% agree that personal

safety is an important consideration in their decision to walk, compared to, respectively, 48.8% and 36.0% among those who do not walk for pleasure or to a destination.

We also asked about the following issues as affecting either walking or bicycling (1 = Very Important, 2 = Important, 3 = Somewhat Important, and 4 = Unimportant. Mean rating shown. The following responses are based on respondents with an opinion, hence, excluding any “don’t know” responses reported in Appendix 1):

	Rating	% Important or Very Important
Adequate street lighting	1.66	88.2
Weather conditions	1.73	86.5
Rude motorists who deter me from walking or bicycling	1.91	80.0
Attractive surroundings	2.36	63.1
Having to personally pay for parking my car	2.44	59.0

These findings do not alter the above conclusion about the importance of safety. In a separate question, we also asked further questions about sidewalks. Respondents are divided about the adequacy of the number of sidewalks: 43.4% agree or strongly agree that Central Florida has an adequate number of sidewalks, 47.0% disagree or strongly disagree, and 9.6% don’t know. A majority (58.4%) do agree or strongly agree, however, that the sidewalks are in good condition, whereas 33.7% disagree or strongly disagree and 76.9% don’t know. The importance of safety is also reflected in the following: 93.8% of respondents agree or strongly that police should give tickets to motorists who fail to stop for pedestrians in crosswalks.

E. Frequency of Bicycling

Slightly more than forty percent (41.7%) of respondents ride a bike, on average, at least once a month. Although somewhat more than this number state that they own a bike (51.0%), about 20.1% of those who own a bike ride it less than once per month. Also, about 6.8% of the respondents do not own a bike, but do ride one at least once per month.

Those who ride a bike, ride it on average 2.81 times per week. Among those who bicycle, 39.2% ride it only once or less often, and only 19.2% ride it more than five times a week. The median usage is two times per week. The most common purpose of bicycling is for pleasure or recreation (83.7%). Far less frequent responses are for work (3.0%), errands (13.1%) and other (4.0%, most of which concern please or recreation by another name, such as fun or sightseeing).

More men state that they bicycle than women (54.1% versus 30.5%), and bicycling drops off sharply over age 64 (18.6% versus 45.6% among those under 64), though it does not vary much among younger respondents. African-Americans bicycle less than other races

(which do not much vary among themselves): 23.5% versus 44.7%. Bicycling does not vary by income, having children under 18 years living at home, or by county. Respondents who work outside the home bicycle somewhat more (48.2% versus 30.5%), but this does not vary by the distance traveled to work.

F. Assessment of Places and Conditions for Bicycling

In the survey, *Trails* are defined dedicated, paved pathways for bicyclists, pedestrians and skaters that are not part of, or next to, any road. *Bicycle lanes* are defined as parts of the road dedicated for bicycling; they are typically on the right side of road, and are separated from other traffic by a solid white line. Respondents were asked to affirmatively state whether they understood these definitions which were read to them, and all did, sometimes upon second reading.

Overall, respondents are not very satisfied with Central Florida bicycle lanes and trails, though those who bicycle are a bit more satisfied. Among those who bicycle, 4.0% strongly agree and 37.3% agree that the network of bicycle lanes and trails go where they need them to go, compared to respectively 1.7% and 24.3% of those who do not bicycle. Among those who do not bicycle, 50.8% don't know whether the network of bicycle lanes and trails go where they need them to go (compared with 24.6% of those who do bicycle). Among those who bicycle, 37.0% agree or strongly agree that the bicycle lanes in Central Florida do a good job connecting to the trails, compared to only 26.6% of those do not bicycle.

A majority of respondents (63.8%) would like to see more bicycle lanes in Central Florida (78.4% among those who bicycle and 53.6% among those who do not bicycle). 79.9% of respondents agree or strongly agree that a region like Central Florida should have opportunities to bicycle to work. This percentage does not vary much between those who bicycle and those who do not.

Among bicyclists, 61.4% agree or strongly agree that they feel safe bicycling on streets with dedicated bike lanes, and 40.1% agree or strongly agree that they feel safe bicycling on main thoroughfares with dedicated bike lanes. Among non-bicyclists, these results are respectively 36.8% and 20.8%. About one third of non-bicyclists don't know (resp., 33.3% and 37.1%), compared to only a few percent among bicyclists (3.1% and 3.9%).

As discussed in section C., above, this survey also included a few items that assessed conditions for both walking and bicycling. As noted, 77.7% of respondents agree or strongly agree that they would like to live in a place where more of their daily needs can be met through walking or bicycling. Also, 87.6% would like Central Florida to be among the most attractive place places for bicycling and walking in the U.S. They are divided, however, whether Central Florida is such a place today: 39.5% state Central Florida is a

less attractive for bicycling and walking than other places they know about, 55.0% state that it is a more attractive place, and 16.6% don't know.

Respondents were also asked, in an open-ended question, "If there was one thing that could be done to improve walking or bicycling in Central Florida, what would that be?" Coding of the open-ended responses shows that, regarding bicycling, the most common answers concern safety regarding the shared use of roads, as well as a need for more bike lanes and bike trails (see Appendix 3). Lighting is also frequently mentioned.

G. Factors Affecting Bicycling

We examined various conditions that may affect decisions to bicycle (1 = Very Important, 2 = Important, 3 = Somewhat Important, and 4 = Unimportant. Mean rating shown. The following responses are based on respondents with an opinion, hence, excluding any "don't know" responses reported in Appendix 1):

	Rating	% Important or Very Important
Keeping a safe distance from traffic	1.46	96.9
Speed of nearby cars	1.51	94.4
Personal safety, including fear of attacks from other people	1.55	91.6
Knowing safe bicycling practices	1.61	93.7
Adequate location to safely park your bike	1.85	85.4
Destinations that are a reasonable distance away	2.03	81.7
Convenient access to paved trails	2.06	81.6
Having bike lanes along the road	2.17	70.3
Availability of shady streets	2.53	56.7
Ability to shower and change clothes at work	2.73	49.9

These findings are consistent with those of walking, emphasizing *safety* above convenience. Although the top three issues address personal safety from cars and other people, the fourth item addresses knowledge of safe bicycling practices. The above results do not vary much by whether respondents bicycle, but those who bike state that having adequate locations to safely park their bike is more "very important" than those who do not bike (45.7% versus 30.5%). On average, females rate these items somewhat more "very important" than males; the largest difference concerns personal safety: 68.7% of females state that this is very important and 27.9% state that it is important, compared to, respectively, 48.9% and 36.9% among males. The results also do not vary much by county, but respondents in Seminole County state that having bike lanes along the road is less very important than respondents in Orange County and Osceola County (respectively, 18.0%, 32.0% and 29.8%).

H. Funding for Walking and Bicycling

We asked three questions regarding funding for improved walking and bicycling facilities. First, respondents were asked: "Of every additional \$100 spent in coming years on transportation improvements, how much would you like to see spent on improvements for bicycling and walking, rather than for improved driving, transit, airports and other forms of transportation?" Respondents answered on average \$15.05 (mean). The median allocation is \$10.00. Only 14.5% stated \$0, and 21.2% stated amounts over \$20. Those who bicycle indicate somewhat higher amounts (\$16.67 versus \$13.79), but this difference is not statistically significant. Those who walk for pleasure or to a destination also indicate higher amounts than those who do not walk (\$16.44 versus \$10.68). Respondents do not vary much in their responses to this item across counties.

We then asked two questions about where additional money might come from. 62.9% agree or strongly agree that "It is OK to pay in whole or in part for bicycling and walking improvements from other budget items such as highways, parks, education and law enforcement." 28.7% disagree or strongly disagree, and 9.0% don't know. There are no significant differences between those who bike or walk, and those who do not. Respondents do not vary much in their responses to this item across counties.

Finally, we asked "How much are you willing to pay in additional taxes or fees per year for improved bicycling and walking facilities in your community?" About half of the respondents (53.1%) do not want any new taxes, and among those who do the mean tax increase is \$100.67 (with median \$50.00). Respondents do not vary much in their responses to this item across counties. There are no significant differences between those who bike, and those who do not. But among those who walk, the mean increase is \$108.69 compared to \$60.54 among those who do not walk (the median of both groups is \$50.00).

Appendix 1: Central Florida Bicycling and Walking Attitudes Survey: ALL COUNTIES

Note: these results are *weighted* to reflect the different population sizes of Orange, Seminole and Osceola counties.

1. In order for our survey to be valid, we must interview only persons over the age of 18 living in ___[location]___. Would that be you? Yes [] No []

Location Names: Orange County
 Seminole County
 Osceola County

Yes	.....	100.0 %
No	.....	0.0
N =		304

If "NO", ask to speak to someone who is eligible and start over, or terminate the call.

Interviewer: If respondent states that they want to discontinue the survey because they are vision-impaired, or use a wheelchair or are otherwise handicapped, encourage the respondent to continue. Explain that the survey seeks a representative sample of Central Florida residents. For wheelchair users, ask them to substitute the phrase "walking" by "using my wheelchair" or "get there by using my wheelchair," as may be appropriate.

NOTE: The following items assess the interest in walking

2. I will read you some statements about walking in and around Central Florida. Please tell me whether you Strongly Agree, Agree, Disagree or Strongly Disagree with the following statements. You may also say "Don't Know."

a. My neighborhood has safe and attractive areas for walking

Strongly Agree	.....	20.2 %
Agree	.....	54.0
Don't Know/ Can't Say	.....	2.2
Disagree	.....	16.8
Strongly Disagree	.....	6.8
N =		304

b. I have shops in my neighborhood to which I can walk.

Strongly Agree	.....	6.5 %
Agree	.....	48.3
Don't Know/ Can't Say	.....	0.3
Disagree	.....	39.1
Strongly Disagree	.....	5.9
N =		304

- b1. If disagree or strongly disagree: I wish had shops in my neighborhood to which I could walk
- | | |
|-----------------------------|--------|
| Strongly Agree | 17.1 % |
| Agree | 42.0 |
| Don't Know/ Can't Say | 0.0 |
| Disagree | 36.1 |
| Strongly Disagree | 4.9 |
| N = | 137 |
- c. I have parks and other green spaces in my neighborhood to which I can walk.
- | | |
|-----------------------------|--------|
| Strongly Agree | 14.6 % |
| Agree | 53.0 |
| Don't Know/ Can't Say | 0.6 |
| Disagree | 26.8 |
| Strongly Disagree | 4.9 |
| N = | 304 |
- c1. If disagree or strongly disagree: I wish had parks in my neighborhood to which I could walk
- | | |
|-----------------------------|--------|
| Strongly Agree | 26.4 % |
| Agree | 59.8 |
| Don't Know/ Can't Say | 0.0 |
| Disagree | 11.7 |
| Strongly Disagree | 2.0 |
| N = | 97 |
- d. Do you walk for pleasure or exercise 3 or more hours each week? Please answer Yes, No or Don't Know (if asked, say "a combined total of three hours")
- | | |
|------------------|--------|
| Yes | 52.3 % |
| No | 47.4 |
| Don't Know | 0.0 |
| N = | 304 |
- e. How often do you walk 10 minutes or more in getting to or from a destination such as work or shopping, in a typical or average week? _____ times
(INTERVIEWER: If asked, clarify: Please count each walk you make, both to and from a destination.)
- | | | |
|--------------|------|------|
| | A | B |
| mean | 4.55 | 7.14 |
| median | 3.00 | 5.00 |
| N = | 271 | 172 |
- A = All responses
B = Responses greater than zero, only.

Note: maximum value is 40 .

	A	B
0	36.3 %	n/a
1-5	33.0	51.8 %
6-10	22.1	34.7
11-15	4.4	7.0
16-20	2.0	3.1
21+	2.2	3.5
	N = 271	172

A = All responses

B = Responses greater than zero, only.

e1. Don't Know	100.0 %
	N = 33

NOTE: The following items assess accommodations for walking.

3. How important are the following factors in your decision to walk? Please say very important, important, somewhat important or unimportant. You may also say "Don't Know."

a. Availability of sidewalks

Very Important	50.3 %
Important	35.2
Somewhat Important	4.5
Unimportant	9.2
Don't Know	0.9
	N = 304

b. Availability of benches

Very Important	15.7 %
Important	26.3
Somewhat Important	24.2
Unimportant	32.6
Don't Know	1.1
	N = 304

c. Availability of shady streets

Very Important	19.9 %
Important	39.8
Somewhat Important	20.7
Unimportant	18.1
Don't Know	1.5
	N = 304

d. Destinations that are a reasonable distance away

Very Important	27.1 %
Important	46.7
Somewhat Important	14.0
Unimportant	10.0
Don't Know	2.2
	N = 304

e. Keeping a safe distance from traffic	
Very Important	53.5 %
Important	39.5
Somewhat Important	4.0
Unimportant	2.4
Don't Know	0.6
N =	304
f. Personal safety, including fear of attacks from other people	
Very Important	60.0 %
Important	27.0
Somewhat Important	3.5
Unimportant	9.5
Don't Know	0.0
N =	304
g. Easy access to safe street crossings	
Very Important	48.2 %
Important	41.5
Somewhat Important	5.1
Unimportant	4.6
Don't Know	0.6
N =	304
h. Convenient access to paved trails	
Very Important	24.0 %
Important	36.3
Somewhat Important	15.2
Unimportant	18.1
Don't Know	6.3
N =	304
i. Speed of nearby cars	
Very Important	49.7 %
Important	35.3
Somewhat Important	5.6
Unimportant	8.7
Don't Know	0.6
N =	304

NOTE: The following items assess the interest in bicycling

4-1. I am now going to ask you some questions about bicycling

a. Do you own a bicycle?	
Yes	51.0 %
No	49.0
Don't Know	0.0
N =	304

a1. If no or don't know: do you bicycle?

Yes	13.8 %
No.....	86.2
Don't Know	0.0
N =	149

[if No → go to question 4-2 below]

b. How often do you bicycle? _____

	A	B
mean	2.81	3.70
median	1.00	2.00
N =	167	127

A = All responses

B = Responses greater than zero, only.

Note: maximum value is 50.

	A	B
0	23.9 %	n/a
1-5	61.0	80.1 %
6-10	9.7	12.8
11-15	3.2	4.2
16-20	0.0	0.0
21+	2.2	2.9
N =	167	127

A = All responses

B = Responses greater than zero, only.

b1. Don't Know	100.0 %
N =	9

For what purposes do you bicycle? [INTERVIEWER: READ ALL and **CHECK ALL** THAT APPLY]

c. To and from work

Yes	3.0 %
No.....	97.0
N =	175

d. Pleasure or recreation

Yes	83.7 %
No.....	16.3
N =	175

e. Errands (such as shopping)		
Yes		13.1 %
No.....		86.9
	N =	175

f. Other, please state which: _____		
Yes		4.0 %
No.....		96.0
	N =	175

Note: see "Appendix 3" for analysis of "Other" responses

- g. How often do you use a bicycle to get to or from a destination such as work or shopping, in a typical or average week? _____ times.

	A	B
mean	0.75	2.65
median	0.00	2.00
	N =	159
		45

- A = All responses
B = Responses greater than zero, only.

Note: maximum value is 20.

	A	B
0	71.7 %	n/a
1-5	24.8	87.5 %
6-10	3.1	10.8
11-15	0.0	0.0
16-20	0.5	1.7
21+	0.0	0.0
	N =	159
		45

- A = All responses
B = Responses greater than zero, only.

g1. Don't Know	100.0 %
	N =
	17

4-2. I will now read you two definitions. *Trails* are dedicated, paved pathways for bikes, pedestrians and skaters that are not part of, or next to, any road. *Bicycle lanes* are parts of the road dedicated for bicycling; they are typically on the right side of road, and are separated from other traffic by a solid white line.

a. Do you understand these descriptions and the difference between them?

Yes	96.9 %
No.....	3.1
Don't Know	0.0
N =	304

a1. If "no": re-read and ask this question again:

Do you now understand these descriptions and the difference between them?

Yes	100.0 %
No.....	0.0
N =	9

If still "no," → skip to section 5-2.

4-3. I will read you some statements about bicycling in and around Central Florida. Please tell me whether you Strongly Agree, Agree, Disagree or Strongly Disagree with the following statements. You may also say "Don't Know."

a. The network of bicycle lanes and trails go where I need them to go

Strongly Agree	2.7 %
Agree	29.6
Don't Know/ Can't Say	40.1
Disagree	22.7
Strongly Disagree	4.9
N =	304

b. I would like to see more bicycle lanes in Central Florida

Strongly Agree	19.1 %
Agree	44.7
Don't Know/ Can't Say	14.1
Disagree	16.1
Strongly Disagree	5.9
N =	304

c. Bicycle lanes in Central Florida do a good job connecting to the trails

Strongly Agree	1.4 %
Agree	29.6
Don't Know/ Can't Say	42.1
Disagree	24.0
Strongly Disagree	3.0
N =	304

d. I feel safe bicycling on streets with dedicated bike lanes	
Strongly Agree	4.7 %
Agree	42.4
Don't Know/ Can't Say	20.6
Disagree	23.3
Strongly Disagree	9.0
N =	304

e. I feel safe bicycling on main thoroughfares with dedicated bike lanes	
Strongly Agree	3.0 %
Agree	25.9
Don't Know/ Can't Say	23.3
Disagree	35.1
Strongly Disagree	12.7
N =	304

NOTE: The following items assess accommodations for bicycling.

5. How important are the following factors in your decision to bicycle? Please say very important, important, somewhat important or unimportant. You may also say "Don't Know."

a. Having bike lanes along the road	
Very Important	28.2 %
Important	37.0
Somewhat Important	11.4
Unimportant	16.2
Don't Know	7.3
N =	304

b. Knowing safe bicycling practices	
Very Important	45.0 %
Important	43.3
Somewhat Important	3.2
Unimportant	2.7
Don't Know	5.7
N =	304

c. Adequate locations to safely park your bike	
Very Important	34.3 %
Important	43.7
Somewhat Important	6.1
Unimportant	7.2
Don't Know	8.7
N =	304

d. Destinations that are a reasonable distance away	
Very Important	22.7 %
Important	50.6
Somewhat Important	7.6
Unimportant	8.7
Don't Know	10.4
N =	304
e. Keeping a safe distance from traffic	
Very Important	55.1 %
Important	35.4
Somewhat Important	1.3
Unimportant	1.6
Don't Know	6.6
N =	304
f. Speed of nearby cars	
Very Important	54.4%
Important	34.7
Somewhat Important	2.5
Unimportant	2.8
Don't Know	5.6
N =	304
g. Availability of shady streets	
Very Important	13.0 %
Important	39.4
Somewhat Important	17.7
Unimportant	22.3
Don't Know	7.6
N =	304
h. Personal safety, including fear of attacks from other people	
Very Important	56.7 %
Important	30.5
Somewhat Important	2.0
Unimportant	6.0
Don't Know	4.9
N =	304
i. Ability to shower and change clothes at work	
Very Important	14.1 %
Important	26.5
Somewhat Important	8.4
Unimportant	32.4
Don't Know	18.7
N =	304

j. Convenient access to paved trails	
Very Important	20.4 %
Important	51.0
Somewhat Important	6.2
Unimportant	9.9
Don't Know	12.6
N =	304

NOTE: The following items assess accommodations for both walking and bicycling.

5-2 The following conditions could affect either walking or bicycling. How important are the following factors in your decision to either walk or bicycle? Please say very important, important, somewhat important or unimportant. You may also say "Don't Know."

a. Weather conditions	
Very Important	42.6 %
Important	42.6
Somewhat Important	10.5
Unimportant	2.7
Don't Know	1.5
N =	304

b. Attractive surroundings	
Very Important	15.8 %
Important	46.6
Somewhat Important	21.7
Unimportant	14.8
Don't Know	1.1
N =	304

c. Adequate street lighting	
Very Important	52.3 %
Important	34.9
Somewhat Important	5.1
Unimportant	6.5
Don't Know	1.1
N =	304

d. Rude motorists who deter me from walking or bicycling	
Very Important	39.6 %
Important	35.3
Somewhat Important	6.2
Unimportant	12.5
Don't Know	6.5
N =	304

e. Having to personally pay for parking my car	
Very Important	20.8 %
Important	31.3
Somewhat Important	12.3
Unimportant	23.9
Don't Know	11.7
N =	304

NOTE: The following items assess general conditions affecting walking and bicycling.

6. I am now going to read to you some general statements. Please tell me whether you Strongly Agree, Agree, Disagree or Strongly Disagree with the following statements. You may also say "Don't Know."

a. Central Florida is a less attractive place for bicycling and walking than other places that I know about.	
Strongly Agree	6.8 %
Agree	32.7
Don't Know/ Can't Say	16.6
Disagree	38.4
Strongly Disagree	5.5
N =	304

b. A region like Central Florida should have opportunities to bicycle to work	
Strongly Agree	10.8 %
Agree	69.1
Don't Know/ Can't Say	5.3
Disagree	14.7
Strongly Disagree	0.0
N =	304

c. I would like Central Florida to be among the most attractive places for bicycling and walking in the U.S.	
Strongly Agree	25.6 %
Agree	62.0
Don't Know/ Can't Say	2.6
Disagree	9.5
Strongly Disagree	0.3
N =	304

d. I would like to live in a place where more of my daily needs can be met through walking or bicycling	
Strongly Agree	18.4 %
Agree	59.3
Don't Know/ Can't Say	2.5
Disagree	18.7
Strongly Disagree	1.1
N =	304

e. Central Florida has an adequate number of sidewalks

Strongly Agree	3.4 %
Agree	40.1
Don't Know/ Can't Say	9.6
Disagree	41.3
Strongly Disagree	5.7
N =	304

f. The sidewalks in Central Florida are in good condition

Strongly Agree	3.9 %
Agree	54.5
Don't Know/ Can't Say	7.9
Disagree	29.5
Strongly Disagree	4.2
N =	304

g. Police should give tickets to motorists who fail to stop for pedestrians in crosswalks

Strongly Agree	40.9 %
Agree	52.9
Don't Know/ Can't Say	2.0
Disagree	3.4
Strongly Disagree	0.9
N =	304

h. It is OK to pay in whole or in part for bicycling and walking improvements from other budget items such as highways, parks, education and law enforcement.

Strongly Agree	10.9 %
Agree	52.0
Don't Know/ Can't Say	9.0
Disagree	25.7
Strongly Disagree	3.0
N =	304

Note different scales:

i. How much are you willing to pay in additional taxes or fees per year for improved bicycling and walking facilities in your community? \$ _____

	A	B
mean	\$47.26	\$100.67
median	0.00	\$50.00
N =	304	143

A = All responses
 B = Responses greater than zero, only.

Note: maximum value is \$2,000.00

	A	B	
\$0	53.1 %	n/a	
\$1-10	15.0	31.9 %	
\$11-25		5.7	12.2
\$26-50	8.5	18.0	
\$51-100	11.5	24.7	
\$101-500	5.5	11.7	
above \$500	0.7	1.6	
	N =	304	143

A = All responses
 B = Responses greater than zero, only.

j. Of every additional \$100 spent in coming years on transportation improvements, how much would you like to see spent on improvements for bicycling and walking, rather than for improved driving, transit, airports and other forms of transportation? \$ _____

	A	B
mean	\$15.05	\$17.60
median	\$10.00	\$10.00
	N =	251 215

A = All responses
 B = Responses greater than zero, only.

Note: maximum value is \$2,000.00

	A	B
\$0	14.5 %	n/a
\$1-10	53.9	63.0 %
\$11-20	10.4	12.2
\$21-50	17.6	20.6
\$51-100	3.6	4.2
	N =	251 215

A = All responses
 B = Responses greater than zero, only.

NOTE: One open-ended question.

7. "If there was one thing that could be done to improve walking or bicycling around Central Florida, what would that be?" **See Appendix 3.**

Does this answer refer to (check one):

Walking, only.....	8.9 %
Bicycling, only	11.6
Both walking and bicycling	79.5
N =	296

NOTE: Demographic information.

8. Your answers to the following questions will help us better analyze the results of this survey. Let me remind you that you may skip any question you choose not to answer.

a. In what County do you live?

Orange.....	62.4 %
Seminole.....	25.7
Osceola	11.9
N =	304

b. How long have you lived in Central Florida? _____ years

Mean.....	18.39
Median	14.00
N =	302

c. Do you expect to be living in Central Florida 10 years from now?

Yes	79.6 %
No	14.4
Can't Say/ Don't Know	6.1
N =	302

d. Do you work outside you home?

Yes	65.2 %
No	34.7
Can't Say/ Don't Know	0.1
N =	302

d1. If "yes," how many miles is your work from home? _____ miles

Mean.....	13.75
Median	10.00
N =	197

e. Do you drive?

Yes	92.5 %
No	7.5
Can't Say/ Don't Know	0.0
N =	302

f. Do you need a car for getting to and from your work?

Yes	61.5 %
No	38.5
Can't Say/ Don't Know	0.0
N =	302

g. Do you need a car for on-the job travel?

Yes	26.4 %
No	73.3
Can't Say/ Don't Know	0.3
N =	302

h. Have you used a Lynx bus in the last week?

Yes	5.8 %
No	94.2
Can't Say/ Don't Know	0.0
N =	302

i. What is your gender?

Male	49.1 %
Female	50.9
N =	302

j. Do you have children under 18 years old living at home with you?

Yes	37.1 %
No	62.9
N =	302

k. How much formal schooling have you had?

Less than HS	4.4 %
High School	23.0
Some College	37.5
College Graduate	18.9
Graduate or Professional Degree	16.2
N =	302

l. What is your age?		
18-24		12.9 %
25-34		16.6
35-44		26.0
45-54		18.1
55-64		12.2
65-74		8.4
75-84		4.9
85 and over		1.0
	N =	301
m. I have voted at least once in the last two years		
Yes		69.7 %
No		28.3
Can't Say/ Don't Know		2.0
	N =	302
n. Do you describe yourself as:		
White		65.9 %
Black/African-American		11.6
Hispanic		18.5
Other		4.0
	N =	301
o. About what is your total annual household income?		
\$20,000 or less.....		11.2 %
\$20,001 to \$40,000		29.0
\$40,001 to \$60,000		21.1
\$60,001 to \$80,000		15.8
\$80,001 to \$100,000		7.5
above \$100,000		15.4
	N =	238

Appendix 2: Central Florida Bicycling and Walking Attitudes Survey: BY COUNTY

1. In order for our survey to be valid, we must interview only persons over the age of 18 living in ___[location]___. Would that be you? Yes [] No []

Location Names: Orange County
 Seminole County
 Osceola County

		Orange	Seminole	Osceola
Yes		100.0 %	100.0 %	100.0 %
No		0.0	0.0	0.0
	N =	100	100	104

If "NO", ask to speak to someone who is eligible and start over, or terminate the call.

Interviewer: If respondent states that they want to discontinue the survey because they are vision-impaired, or use a wheelchair or are otherwise handicapped, encourage the respondent to continue. Explain that the survey seeks a representative sample of Central Florida residents. For wheelchair users, ask them to substitute the phrase "walking" by "using my wheelchair" or "get there by using my wheelchair," as may be appropriate.

NOTE: The following items assess the interest in walking

2. I will read you some statements about walking in and around Central Florida. Please tell me whether you Strongly Agree, Agree, Disagree or Strongly Disagree with the following statements. You may also say "Don't Know."

	Orange	Seminole	Osceola
a. My neighborhood has safe and attractive areas for walking			
Strongly Agree	19.0 %	24.0 %	18.3 %
Agree	55.0	53.0	51.0
Don't Know/ Can't Say	2.0	2.0	3.8
Disagree	17.0	17.0	15.4
Strongly Disagree	7.0	4.0	11.5
	N =	100	100
b. I have shops in my neighborhood to which I can walk.			
Strongly Agree	6.0 %	7.0 %	7.7 %
Agree	50.0	49.0	37.5
Don't Know/ Can't Say	0.0	1.0	0.0
Disagree	40.0	36.0	41.3
Strongly Disagree	4.0	7.0	13.5
	N =	100	104

	Orange	Seminole	Osceola
b1. If disagree or strongly disagree: I wish had shops in my neighborhood to which I could walk			
Strongly Agree	18.2 %	14.0 %	17.5 %
Agree	40.9	39.5	50.9
Don't Know/ Can't Say	0.0	0.0	0.0
Disagree	38.6	39.5	19.3
Strongly Disagree	2.3	7.0	12.3
N =	44	43	57
c. I have parks and other green spaces in my neighborhood to which I can walk.			
Strongly Agree	13.0 %	17.0 %	18.3 %
Agree	55.0	53.0	42.3
Don't Know/ Can't Say	0.0	2.0	1.0
Disagree	28.0	23.0	28.8
Strongly Disagree	4.0	5.0	9.6
N =	100	100	104
c1. If disagree or strongly disagree: I wish had parks in my neighborhood to which I could walk			
Strongly Agree	21.9 %	35.7 %	32.5 %
Agree	65.6	46.4	55.0
Don't Know/ Can't Say	0.0	0.0	0.0
Disagree	12.5	10.7	10.0
Strongly Disagree	0.0	7.1	2.5
N =	32	28	40
d. Do you walk for pleasure or exercise 3 or more hours each week? Please answer Yes, No or Don't Know (if asked, say "a combined total of three hours")			
	Orange	Seminole	Osceola
Yes	47.0 %	62.0 %	59.6 %
No	53.0	38.0	40.4
Don't Know	0.0	0.0	0.0
N =	100	100	104
e. How often do you walk 10 minutes or more in getting to or from a destination such as work or shopping, in a typical or average week? _____ times (INTERVIEWER: If asked, clarify: Please count each walk you make, both to and from a destination.) All responses shown.			
mean	4.07	5.54	4.91
median	2.00	4.00	2.50
N =	88	90	96

	Orange	Seminole	Osceola
0	39.8 %	28.9 %	34.4 %
1-5	33.0	33.3	32.3
6-10	19.3	28.9	21.9
11-15	4.5	3.3	6.3
16-20	2.3	1.1	2.1
21 and over.....	1.1	4.4	3.1
N =	88	90	96
e1. Don't Know	100.0 %	100.0 %	100.0 %
N =	12	10	8

NOTE: The following items assess accommodations for walking.

3. How important are the following factors in your decision to walk? Please say very important, important, somewhat important or unimportant. You may also say "Don't Know."

	Orange	Seminole	Osceola
a. Availability of sidewalks			
Very Important	50.0 %	52.0 %	48.1 %
Important	36.0	30.0	42.3
Somewhat Important	4.0	6.0	3.8
Unimportant	9.0	12.0	3.8
Don't Know	1.0	0.0	1.9
N =	100	100	104
b. Availability of benches			
Very Important	18.0 %	9.0 %	18.3 %
Important	26.0	26.0	28.8
Somewhat Important	25.0	25.0	18.3
Unimportant	30.0	39.0	32.7
Don't Know	1.0	1.0	1.9
N =	100	100	104
c. Availability of shady streets			
Very Important	22.0 %	15.0 %	19.2 %
Important	39.0	42.0	39.4
Somewhat Important	22.0	19.0	17.3
Unimportant	15.0	24.0	22.1
Don't Know	2.0	0.0	1.9
N =	100	100	104
d. Destinations that are a reasonable distance away			
Very Important	32.0 %	17.0 %	23.1 %
Important	43.0	51.0	56.7
Somewhat Important	14.0	17.0	7.7
Unimportant	9.0	12.0	10.6
Don't Know	2.0	3.0	1.9
N =	100	100	104

	Orange	Seminole	Osceola
e. Keeping a safe distance from traffic			
Very Important	54.0 %	48.0 %	62.5 %
Important	40.0	42.0	31.7
Somewhat Important	4.0	5.0	1.9
Unimportant	1.0	5.0	3.8
Don't Know	1.0	0.0	0.0
N =	100	100	104
f. Personal safety, including fear of attacks from other people			
Very Important	62.0 %	54.0 %	62.5 %
Important	26.0	29.0	27.9
Somewhat Important	3.0	4.0	4.8
Unimportant	9.0	13.0	4.8
Don't Know	0.0	0.0	0.0
N =	100	100	104
g. Easy access to safe street crossings			
Very Important	51.0 %	39.0 %	52.9 %
Important	39.0	49.0	38.5
Somewhat Important	4.0	8.0	4.8
Unimportant	5.0	4.0	3.8
Don't Know	1.0	0.0	0.0
N =	100	100	104
h. Convenient access to paved trails			
Very Important	25.0 %	23.0 %	21.2 %
Important	40.0	28.0	34.6
Somewhat Important	12.0	20.0	22.1
Unimportant	15.0	27.0	15.4
Don't Know	8.0	2.0	6.7
N =	100	100	104
i. Speed of nearby cars			
Very Important	50.0 %	47.0 %	23.8 %
Important	38.0	30.0	32.7
Somewhat Important	3.0	12.0	5.8
Unimportant	8.0	11.0	7.7
Don't Know	1.0	0.0	0.0
N =	100	100	104

NOTE: The following items assess the interest in bicycling

4-1. I am now going to ask you some questions about bicycling

a. Do you own a bicycle?

	Orange	Seminole	Osceola
Yes	50.0 %	53.0 %	51.9 %
No	50.0	47.0	48.1
Don't Know	0.0	0.0	0.0
N =	100	100	100

a1. If no or don't know: do you bicycle?

	Orange	Seminole	Osceola
Yes	10.0 %	14.9 %	32.7 %
No.....	90.0	85.1	67.3
Don't Know	0.0	0.0	0.0
N =	50	47	49

[if No → go to question 4-2 below]

b. How often do you bicycle? _____

	Orange	Seminole	Osceola
mean	2.68	2.45	4.18
median	1.00	1.00	1.50
N =	52	59	63
0	19.2 %	28.8 %	34.9 %
1-5	65.4	59.3	44.4
6-10	9.6	8.5	12.7
11-15	3.8	1.7	3.2
16-20	0.0	0.0	0.0
21 and over.....	1.9	1.7	4.8
N =	52	59	63

b1. Don't Know	100.0 %	100.0 %	100.0 %
N =	3	1	7

For what purposes do you bicycle? [INTERVIEWER: READ ALL and **CHECK ALL THAT APPLY**]

c. To and from work

Yes	1.8 %	5.0 %	4.3 %
No.....	98.2	95.0	95.7
N =	55	60	70

d. Pleasure or recreation

Yes	83.6 %	85.0 %	81.4 %
No.....	16.4	15.0	18.6
N =	55	60	70

	Orange	Seminole	Osceola
e. Errands (such as shopping)			
Yes	12.7 %	11.7 %	17.1 %
No.....	87.3	88.3	82.9
N =	55	60	70
f. Other, please state which: _____			
Yes	1.8 %	6.7 %	8.6 %
No.....	98.2	93.3	91.4
N =	55	60	70
g. How often do you use a bicycle to get to or from a destination such as work or shopping, in a typical or average week? _____ times.			
	Orange	Seminole	Osceola
mean	0.57	1.02	1.01
median	0.00	0.00	0.00
N =	49	56	63
0	73.5 %	67.9 %	71.4 %
1-5	24.5	26.8	22.2
6-10	2.0	3.6	6.3
11-15	0.0	0.0	0.0
16-20	0.0	1.8	0.0
21 and over.....	0.0	0.0	0.0
N =	49	56	63
g1. Don't Know			
N =	6	4	7

4-2. I will now read you two definitions. *Trails* are dedicated, paved pathways for bikes, pedestrians and skaters that are not part of, or next to, any road. *Bicycle lanes* are parts of the road dedicated for bicycling; they are typically on the right side of road, and are separated from other traffic by a solid white line.

	Orange	Seminole	Osceola
2a. Do you understand these descriptions and the difference between them?			
Yes	97.0 %	97.0 %	96.2 %
No.....	3.0	3.0	3.8
Don't Know	0.0	0.0	0.0
N =	100	100	104

2a1. If "no": re-read and ask this question again:

Do you now understand these descriptions and the difference between them?

Yes	100.0 %	100.0 %	100.0 %
No.....	0.0	0.0	0.0
Don't Know	0.0	0.0	0.0
N =	3	3	4

If still "no," → skip to section 5-2.

4-3. I will read you some statements about bicycling in and around Central Florida. Please tell me whether you Strongly Agree, Agree, Disagree or Strongly Disagree with the following statements. You may also say "Don't Know."

	Orange	Seminole	Osceola
3a. The network of bicycle lanes and trails go where I need them to go			
Strongly Agree	3.0 %	2.0 %	2.9 %
Agree	31.0	29.0	23.1
Don't Know/ Can't Say	42.0	38.0	34.6
Disagree	22.0	22.0	27.9
Strongly Disagree	2.0	9.0	11.5
N =	100	100	104
3b. I would like to see more bicycle lanes in Central Florida			
Strongly Agree	16.0 %	24.0 %	25.0 %
Agree	42.0	45.0	58.7
Don't Know/ Can't Say	16.0	13.0	6.7
Disagree	20.0	11.0	6.7
Strongly Disagree	6.0	7.0	2.9
N =	100	100	104
3c. Bicycle lanes in Central Florida do a good job connecting to the trails			
Strongly Agree	1.0 %	2.0 %	1.9 %
Agree	31.0	29.0	23.1
Don't Know/ Can't Say	42.0	45.0	36.5
Disagree	25.0	18.0	31.7
Strongly Disagree	1.0	6.0	6.7
N =	100	100	104
3d. I feel safe bicycling on streets with dedicated bike lanes			
Strongly Agree	4.0 %	5.0 %	7.7 %
Agree	42.0	44.0	41.3
Don't Know/ Can't Say	21.0	22.0	15.4
Disagree	25.0	18.0	26.0
Strongly Disagree	8.0	11.0	9.6
N =	100	100	104
3e. I feel safe bicycling on main thoroughfares with dedicated bike lanes			
Strongly Agree	2.0 %	4.0 %	5.8 %
Agree	28.0	22.0	23.1
Don't Know/ Can't Say	24.0	24.0	18.3
Disagree	33.0	40.0	35.6
Strongly Disagree	13.0	10.0	17.3
N =	100	100	104

NOTE: The following items assess accommodations for bicycling.

5. How important are the following factors in your decision to bicycle? Please say very important, important, somewhat important or unimportant. You may also say "Don't Know."

	Orange	Seminole	Osceola
a. Having bike lanes along the road			
Very Important	32.0 %	18.0 %	29.8 %
Important	32.0	48.0	39.4
Somewhat Important	13.0	9.0	7.7
Unimportant	14.0	21.0	17.3
Don't Know	9.0	4.0	5.8
N =	100	100	104
b. Knowing safe bicycling practices			
Very Important	43.0 %	45.0 %	55.8 %
Important	43.0	47.0	36.5
Somewhat Important	4.0	2.0	1.9
Unimportant	3.0	2.0	2.9
Don't Know	7.0	4.0	2.9
N =	100	100	104
c. Adequate locations to safely park your bike			
Very Important	35.0 %	31.0 %	37.5 %
Important	40.0	52.0	45.2
Somewhat Important	6.0	7.0	4.8
Unimportant	8.0	5.0	7.7
Don't Know	11.0	5.0	4.8
N =	100	100	104
d. Destinations that are a reasonable distance away			
Very Important	24.0 %	18.0 %	26.0 %
Important	51.0	48.0	53.8
Somewhat Important	6.0	13.0	4.8
Unimportant	9.0	9.0	6.7
Don't Know	10.0	12.0	8.7
N =	100	100	104
e. Keeping a safe distance from traffic			
Very Important	53.0 %	54.0 %	68.3 %
Important	35.0	40.0	27.9
Somewhat Important	2.0	0.0	0.0
Unimportant	2.0	1.0	1.0
Don't Know	8.0	5.0	2.9
N =	100	100	104

	Orange	Seminole	Osceola
f. Speed of nearby cars			
Very Important	56.0 %	50.0 %	55.8 %
Important	33.0	37.0	38.5
Somewhat Important	2.0	4.0	1.9
Unimportant	2.0	5.0	1.9
Don't Know	7.0	4.0	1.9
N =	100	100	104
g. Availability of shady streets			
Very Important	14.0 %	9.0 %	16.3 %
Important	41.0	38.0	33.7
Somewhat Important	17.0	17.0	23.1
Unimportant	19.0	30.0	23.1
Don't Know	9.0	6.0	3.8
N =	100	100	104
h. Personal safety, including fear of attacks from other people			
Very Important	57.0 %	55.0 %	58.7 %
Important	31.0	29.0	30.8
Somewhat Important	2.0	1.0	3.8
Unimportant	5.0	9.0	4.8
Don't Know	5.0	6.0	1.9
N =	100	100	104
i. Ability to shower and change clothes at work			
Very Important	14.0 %	12.0 %	19.2 %
Important	31.0	17.0	23.1
Somewhat Important	8.0	10.0	6.7
Unimportant	28.0	42.0	34.6
Don't Know	19.0	19.0	16.3
N =	100	100	104
j. Convenient access to paved trails			
Very Important	19.0 %	22.0 %	24.0 %
Important	52.0	49.0	50.0
Somewhat Important	6.0	6.0	7.7
Unimportant	9.0	13.0	7.7
Don't Know	14.0	10.0	10.6
N =	100	100	104

NOTE: The following items assess accommodations for both walking and bicycling.

5-2 The following conditions could affect either walking or bicycling. How important are the following factors in your decision to either walk or bicycle? Please say very important, important, somewhat important or unimportant. You may also say "Don't Know."

	Orange	Seminole	Osceola
a. Weather conditions			
Very Important	44.0 %	39.0 %	43.3 %
Important	41.0	44.0	48.1
Somewhat Important	12.0	10.0	3.8
Unimportant	1.0	6.0	4.8
Don't Know	2.0	1.0	0.0
N =	100	100	104
b. Attractive surroundings			
Very Important	18.0 %	11.0 %	14.4 %
Important	47.0	45.0	48.1
Somewhat Important	20.0	26.0	21.2
Unimportant	14.0	16.0	16.3
Don't Know	1.0	2.0	0.0
N =	100	100	104
c. Adequate street lighting			
Very Important	54.0 %	45.0 %	58.7 %
Important	33.0	39.0	36.5
Somewhat Important	5.0	7.0	1.9
Unimportant	7.0	7.0	2.9
Don't Know	1.0	2.0	0.0
N =	100	100	104
d. Rude motorists who deter me from walking or bicycling			
Very Important	40.0 %	36.0 %	45.2 %
Important	33.0	42.0	32.7
Somewhat Important	7.0	4.0	6.7
Unimportant	13.0	12.0	10.6
Don't Know	7.0	6.0	4.8
N =	100	100	104
e. Having to personally pay for parking my car			
Very Important	20.0 %	22.0%	22.1 %
Important	34.0	30.0	20.2
Somewhat Important	13.0	10.0	13.5
Unimportant	22.0	27.0	26.9
Don't Know	11.0	11.0	17.3
N =	100	100	104

NOTE: The following items assess general conditions affecting walking and bicycling.

6. I am now going to read to you some general statements. Please tell me whether you Strongly Agree, Agree, Disagree or Strongly Disagree with the following statements. You may also say "Don't Know."

Orange Seminole Osceola

a. Central Florida is a less attractive place for bicycling and walking than other places that I know about.

Strongly Agree	7.0 %	4.0 %	11.5%
Agree	35.0	25.0	37.5
Don't Know/ Can't Say	16.0	18.0	16.3
Disagree	38.0	42.0	32.7
Strongly Disagree	4.0	11.0	1.9
N =	100	100	104

b. A region like Central Florida should have opportunities to bicycle to work

Strongly Agree	9.0 %	14.0 %	13.5 %
Agree	67.0	72.0	74.0
Don't Know/ Can't Say	5.0	6.0	5.8
Disagree	19.0	8.0	6.7
Strongly Disagree	0.0	0.0	0.0
N =	100	100	104

c. I would like Central Florida to be among the most attractive places for bicycling and walking in the U.S.

Strongly Agree	23.0 %	31.0 %	27.9 %
Agree	64.0	57.0	62.5
Don't Know/ Can't Say	1.0	7.0	1.9
Disagree	12.0	4.0	7.7
Strongly Disagree	0.0	1.0	0.0
N =	100	100	104

d. I would like to live in a place where more of my daily needs can be met through walking or bicycling

Strongly Agree	18.0 %	19.0 %	19.2 %
Agree	61.0	59.0	51.0
Don't Know/ Can't Say	2.0	4.0	1.9
Disagree	18.0	17.0	26.0
Strongly Disagree	1.0	1.0	1.9
N =	100	100	104

e. Central Florida has an adequate number of sidewalks

Strongly Agree	3.0 %	4.0 %	3.8 %
Agree	44.0	34.0	32.7
Don't Know/ Can't Say	9.0	12.0	7.7
Disagree	38.0	47.0	46.2
Strongly Disagree	6.0	3.0	9.6
N =	100	100	104

	Orange	Seminole	Osceola
f. The sidewalks in Central Florida are in good condition			
Strongly Agree	4.0 %	4.0 %	2.9 %
Agree	54.0	58.0	50.0
Don't Know/ Can't Say	7.0	8.0	12.5
Disagree	30.0	28.0	29.8
Strongly Disagree	5.0	2.0	4.8
N =	100	100	104

g. Police should give tickets to motorists who fail to stop for pedestrians in crosswalks			
Strongly Agree	37.0 %	47.0 %	48.1 %
Agree	57.0	46.0	46.2
Don't Know/ Can't Say	2.0	1.0	3.8
Disagree	3.0	5.0	1.9
Strongly Disagree	1.0	1.0	0.0
N =	100	100	104

h. It is OK to pay in whole or in part for bicycling and walking improvements from other budget items such as highways, parks, education and law enforcement.			
Strongly Agree	11.0 %	9.0 %	9.6 %
Agree	50.0	53.0	60.6
Don't Know/ Can't Say	8.0	11.0	9.6
Disagree	29.0	22.0	16.3
Strongly Disagree	2.0	5.0	3.8
N =	100	100	104

	Orange	Seminole	Osceola
i. How much are you willing to pay in additional taxes or fees per year for improved bicycling and walking facilities in your community? \$ _____			
mean	\$52.07	\$38.41	\$40.83
median	\$0.00	\$1.00	\$5.00
N =	100	100	104
\$0	58.0 %	45.0 %	44.2 %
\$1-10	14.0	15.0	20.2
\$11-25		3.0	11.0
8.7			
\$26-50	7.0	12.0	8.7
\$51-100	12.0	10.0	12.5
\$101-500	5.0	7.0	4.8
above \$500	1.0	0.0	1.0
N =	100	100	104

j. Of every additional \$100 spent in coming years on transportation improvements, how much would you like to see spent on improvements for bicycling and walking, rather than for improved driving, transit, airports and other forms of transportation? \$ _____

	Orange	Seminole	Osceola
mean	\$14.68	\$14.42	\$18.18
median	\$9.00	\$10.00	\$10.00
N =	82	82	90
\$0	14.6 %	14.8 %	13.3 %
\$1-10	57.3	49.4	45.6
\$11-25	11.0	8.6	11.1
\$26-50	13.4	24.7	24.4
\$51-100	3.7	2.5	5.6
N =	100	100	104
j1. Don't Know	100.0 %	100.0 %	100.0 %
N =	17	18	14

NOTE: One open-ended question.

7. "If there was one thing that could be done to improve walking or bicycling around Central Florida, what would that be?" **See Appendix 3.**

Does this answer refer to (check one):

	Orange	Seminole	Osceola
Walking, only.....	10.3 %	6.1 %	7.8 %
Bicycling, only	12.4	12.2	5.9
Both walking and bicycling	77.3	81.6	86.3
N =	100	100	104

NOTE: Demographic information.

8. Your answers to the following questions will help us better analyze the results of this survey. Let me remind you that you may skip any question you choose not to answer.

	Orange	Seminole	Osceola
a. In what County do you live?			
Orange.....	100.0 %	0.0 %	0.0 %
Seminole.....	0.0	100.0	0.0
Osceola	0.0	0.0	100.0
N =	100	100	104

	Orange	Seminole	Osceola
b. How long have you lived in Central Florida? _____ years			
Mean.....	18.66	20.45	12.54
Median	14.00	18.00	10.00
N =	99	100	104
c. Do you expect to be living in Central Florida 10 years from now?			
Yes	78.8 %	84.0 %	74.0 %
No	15.2	12.0	15.4
Can't Say/ Don't Know	6.1	4.0	10.6
N =	99	100	104
d. Do you work outside you home?			
Yes	64.6 %	66.0 %	66.3 %
No	35.4	34.0	32.7
Can't Say/ Don't Know	0.0	0.0	1.0
N =	99	100	104
d1. If "yes," how many miles is your work from home? _____ miles			
Mean.....	13.62	13.61	14.68
Median	10.00	10.00	12.00
N =	100	100	104
e. Do you drive?			
Yes	90.9 %	96.0 %	93.3 %
No	9.1	4.0	6.7
Can't Say/ Don't Know	0.0	0.0	0.0
N =	99	100	104
f. Do you need a car for getting to and from your work?			
Yes	59.6 %	67.0 %	59.6 %
No	40.0	33.0	40.4
Can't Say/ Don't Know	0.0	0.0	0.0
N =	99	100	104
g. Do you need a car for on-the job travel?			
Yes	22.2 %	39.0 %	21.2 %
No	77.8	60.0	78.8
Can't Say/ Don't Know	0.0	1.0	0.0
N =	99	100	104
h. Have you used a Lynx bus in the last week?			
Yes	6.1 %	6.0%	3.8 %
No	93.9	94.0	96.2
Can't Say/ Don't Know	0.0	0.0	0.0
N =	99	100	104

	Orange	Seminole	Osceola
i. What is your gender?			
Male	50.5 %	47.0 %	46.2 %
Female		49.5	53.0
53.8			
N =	99	100	104
j. Do you have children under 18 years old living at home with you?			
Yes		38.4 %	35.0 %
34.6 %			
No	61.6	65.0	65.4
N =	99	100	104
k. How much formal schooling have you had?			
Less than HS	5.1 %	3.0 %	3.8 %
High School	22.2	22.0	28.8
Some College.....	37.4	36.0	41.3
College Graduate	19.2	20.0	15.4
Graduate or Professional Degree	16.2	19.0	10.6
N =	100	100	104
l. What is your age?			
18-24	13.1 %	12.1 %	13.5 %
25-34	18.2	13.1	15.4
35-44	26.3	26.3	24.0
45-54	17.2	21.2	16.3
55-64	11.1	14.1	13.5
65-74	8.1	8.1	10.6
75-84	6.1	3.0	2.9
85 and over	0.0	2.0	3.8
N =	99	99	104
m. I have voted at least once in the last two years			
Yes	66.7 %	76.0 %	71.8 %
No	32.3	19.0	27.2
Can't Say/ Don't Know	1.0	5.0	1.0
N =	99	100	103
n. Do you describe yourself as:			
White	63.6 %	73.7 %	61.2 %
Black/African-American	12.1	10.1	11.7
Hispanic	20.2	13.1	21.4
Other	4.0	3.0	5.8
N =	99	99	103

	Orange	Seminole	Osceola
o. About what is your total annual household income?			
\$20,000 or less.....	11.5 %	8.6 %	15.6 %
\$20,001 to \$40,000	29.5	24.7	36.4
\$40,001 to \$60,000	20.5	19.8	27.3
\$60,001 to \$80,000	15.4	19.8	9.1
\$80,001 to \$100,000	5.1	13.6	6.5
above \$100,000	17.9	13.6	5.2
N =	78	81	77

Appendix 3: Central Florida Bicycling and Walking Attitudes Survey: Analysis of Open-ended Responses

Q4_1f: Other purposes of bicycling (n= 11, unweighted)

Exercise, fun, health, or sightseeing	63.6 %
To school, take kids to school	27.2
Other.....	9.1
N =	11

Q7a: “If there was one thing that could be done to improve walking or bicycling in Central Florida, what would that be? (n= 299, unweighted) . Categories developed by researcher, multiple responses allowed, approximate tallies of selected responses.

Sidewalks - more, incl. ability to walk to places .	48
Safety - general and shared use (e.g., enforce speeding laws, get bikes off road, bikers/cars need to abide by rules, get motorists to respect peds/bikers, etc)	46
Don't know, nothing, no comment	38
Lighting - better or more	26
Bike trails and paths - more	18
Bike lanes - more	17
Sidewalks - better (e.g., fix sidewalks)	12
Walking trails and paths	4

Complete list of open-ended responses (multiple responses as indicated):

A smart pedestrian and biker
 Access to more water fountains, bathroom facilities and places to purchase soft drinks on the trails
 Adding more sidewalks
 Additional sidewalks and street lights
 All sidewalks should be made better and more accessible
 Allocate more land for bike riding
 Allow the bikers to ride on the sidewalks, or a dedicated path near the sidewalk
 Availability of side walks
 Beautification, more green spaces
 Being away from cars
 Better access, also need more trails in West Orange County because I heard the Econ Trail was being shut down
 Better accessibility to get to specific places by walking or bicycling
 Better lighting (4)
 Better lighting & proper crosswalks
 Better lighting in the evening
 Better lighting more security
 Better lighting on streets

Better lighting and a way to ensure the safety of pedestrians and bicyclists, because people determine whether or not they will walk or ride a bicycle based on personal safety
 Better police protection
 Better sidewalks (2)
 Better sidewalks, & better bike lanes
 Better sidewalks, better lighting and safer conditions
 Better street lighting to walk at night
 Better traffic control (2)
 Bigger / wider sidewalks
 Bigger sidewalks to ride
 Biker and walkers need to abide by rules and the laws when on the road
 Biker sidewalks where I live
 Bikes should be off the streets
 Build more of the Rails to Trails so people have an opportunity to walk in various areas that don't conflict with traffic-- cars, roads trucks, etc.
 Build more walking trails
 Can't think of anything because I do not walk or bicycle
 Clean up crime
 Complete the Cross Seminole Trail
 Complete the trails that have been started
 Completion of the linking of all the trails
 Continue bike lanes that are in process so that they connect to trails
 Control of dogs
 Convenience other places for walking
 Crosswalks are fine
 Does not the like the bike paths on the road
 Don't know (22)
 Don't know, my community is fine for both walking and bicycling
 Donate lights for bikes or reflectors
 Driver education
 Driver education in how to treat people --pedestrians now have to watch traffic going both ways to be safe
 Education of motorist while bikes are sharing the road, road rules for both needed
 Encourage new urbanism residential development
 Enforce the speeding laws.
 Expand the areas for paths, more on the outskirts of metro needed
 Finish the path that has been started
 First we need sidewalks
 Fix sidewalks, more green areas for walking and biking
 Fix the pot holes
 Fix the sidewalks that were torn up 3 years ago, and install something to slow down traffic in this residential area
 Get motorists to respect bikers more, and install more sidewalks that bikers can use
 Get rid of cars
 Get rid of tolls
 Get the bikes off the road and on a path
 Get the roads taken care of
 Getting rid of bicycling lanes in the roads because it's very dangerous (person is emt trainee)
 Good lighting, more sidewalks, more bicycle paths
 Good paths
 Guard rails between roads, sidewalks, highways and dedicated bike lanes
 Have drivers slow down
 Have it be safer to be out
 Have lanes separated from the driving lanes

Have more designated areas
 Have more parks and trails that are away from cars and traffic
 Have more safety classes for kids
 Have more side walks
 Have more trails
 Highways are too big
 I wish the cars would slow down, more protection from the motorists
 I wish walkers or bicyclists would be more aware of their surroundings
 Improve cross walks, they are still dangerous when crossing against traffic
 Improve roads for cars & everything else will take care of it self
 Improve safety
 Improved bicycling and walking in Central Florida
 Improved safety for bicyclists
 Improvement of bicycle lanes
 Improving sidewalks
 In our part of fl put bike lanes,. We have none
 Increase awareness
 Increase of paths & trails
 Increase sidewalks & nature paths with great scenery
 Instead of building new, just clean at least 3-6 feet from curb & street. Clean the growth off the streets.
 Just put in more sidewalks for more safety
 Keep kids safe & out of the streets
 Keep skaters & skate boards off the biking & walking paths
 Keep stray dogs out of the way
 Keep the bikers off the street
 Keep traffic farther from the bikers
 Leaving the parking on the opposite side of the roads where there are bike lanes
 Less restrictions where you can ride
 Lighting (2)
 Lighting of streets
 Like it to be safe for bikers and walkers. People drive real fast, and bikes have to ride on sidewalks and cause problems. Give tickets to bikers
 Lower speed limits where there are bike lanes & people walking
 Make bike lanes & paths farther away from traffic
 Make bikeways on the roads wider
 Make it safe
 Make people more aware of the fact that walkers and bikers need more room
 Making more designated biking and walking trails that connect to shopping areas
 More attention needed for people walking
 More available sidewalks
 More beautification to the areas
 More between communities, off the road
 More bicycle lanes (4)
 More bicycle paths
 More bicycle trails
 More bicycling trails
 More bike and walking paths
 More bike lanes (2)
 More bike lanes with a physical barriers, paths & sidewalks
 More bike or walking lanes
 More bike paths and walking paths
 More bike routes
 More bike trails

More bike trails and sidewalks
 More bike trails that connect or be adjacent to roads
 More closely regulate tax dollars so they don't get wasted; if not, I want my tax money back so I can go to Vegas
 More connected bike trails
 More cross walks
 More dirt paths
 More highways so it would be safer on other streets
 More lighted areas
 More lighted trails with restrooms and side walks
 More lighting (3)
 More lighting & water fountains, security
 More parks
 More parks and recreational areas
 More parks and trails
 More parks for bicycling and walkers
 More parks, keep more trees & green areas
 More paths
 More paths with more lighting
 More paved trails
 More paved trails and parks
 More paved trails that connect
 More police
 More roads need to have bicycle lanes
 More safe to be out
 More safer sidewalk
 More scenery
 More security
 More shaded areas
 More sidewalks (19)
 More sidewalks & more paved trails
 More sidewalks and bike lanes
 More sidewalks and more bicycle lanes
 More sidewalks and safer
 More sidewalks and safety
 More sidewalks on 192
 More sidewalks; I'd bike to school if there were bike paths
 More space to ride bicycle
 More street lighting
 More time on crosswalks so the elderly and smaller people have a chance to get across
 More trails (3)
 More trails and bike paths
 More trails closer to home
 More visible police in the areas of walking & bicycling, patrol every 2 hours
 Motorist who are not rude
 Move bike lanes off the road
 Need biking trails
 Need more paved sidewalks, bike paths and trails for walking
 Need overhead bike & walking paths
 Need overhead paths for biking & walking.
 Need sidewalks to walk on / and trails for bicycling
 Need to make bike trails more clear and provide maps at parks
 No

No comment (5)

Not enough areas for crossing the roads & highways, not enough lighting of the stop signs, etc.

Not sure

Nothing (6)

One way lanes on sidewalks (facing oncoming traffic) for walking & biking

Pathways in the new counties allow for pedestrian walking / biking for shopping. Improve the existing walkways & bike paths

Pedestrian overhead bridges

Places closer to walk / bike and shop etc

Provide a safe, attractive walking course

Provide bike lanes on all streets

Public information

Publicity of location of bike trails

Put more sidewalks in

Recessed bus stops

Reduce speed limits

Repair sidewalks more quickly

Safer intersections

Safer roads, better places to walk or ride

Safety (4)

Safety from motorists

Safety in all aspects

Safety of the neighborhood.

Set up stores to go to, close by

She doesn't know

She would like walking & bicycling to be more accessible in her area

Should enforce helmet law for children

Should live in town of celebration

Sidewalks

Sidewalks needs a lot of improvement

Slow down traffic in residential areas

Some reduction in the traffic needs to be made somehow

Special trails for both

Speed limit on automobiles and bicycles

Speeding of cars

Stop building house complexes

Street lights at night need to be improved

Take into account the # of residents & schools to determine planning of pathways

Take money from light rail

That some of the politicians would look into what senior citizens need to get around such as transportation

The availability of trails and bike lines, they should be safe for people to use

The drivers do not respect bicycle riders

The lack of walking area

There's a middle school across the street from me, and a two-lane road between, and there are no sidewalks for the kids, and they walk down the street

There needs to be some provisions for bike riders. Rather than having them ride on the side of the highway, there should be some back trails for them to use rather than major thoroughfares

There should be more bicycling and walking trails built

There should be more shaded areas

To have the motorist obey the laws for pedestrians and bicycling riders and teach the foreigners jay walking laws

To make it safer for bicyclists and walkers because cars do not always follow traffic laws

To see the sidewalks straighter and less bumps and to see them lead to places that i personally use

Too many animals running all over the road, maybe some kind of animal control
Tougher traffic laws on motorists
Triple the failure to stop fine & make sure the fees on insurance & tickets goes to help
Water fountains
We already pay additional fees for lighting
We need to fix the pot holes
Where I live there is adequate provisions for walking and bicycling.
Widen I-4
Widening more roads for more bike lanes
Wider lanes and more bike paths
Wider roads, give drivers test
Would like to have overhead walk paths & bike paths
Would like to see better mapping of trails so i would know what's available to me, would like to see more
separation between bicyclists and automobiles

Appendix 4: FINAL SURVEY (12/12/02, 2 PM)

Central Florida Urban Area Bicycling and Walking Attitudes Survey

Hi, My name is _____. I am calling you from _____. This is a legitimate survey; I'm not selling anything. We want to know how you feel about some transportation and exercise issues in Central Florida. Your participation is completely voluntary, and the entire interview should take about ten minutes. Of course, you may discontinue the interview at any time or refuse to answer any questions that make you uncomfortable. The validity of our results depends on your willingness to help, so we hope that you will participate. Your individual answers will be held in confidence, and we will not ask you for your name. Do you have any questions you want to ask before we begin? If you have any questions after the survey, you should call Professor Evan Berman at the University of Central Florida. I will be happy to give you his phone number at the end of the survey (If asked, 407-823-5718. However, if you want an immediate response you should call Mighk Wilson at 407-481-5672, ext. 318). (TO INTERVIEWER: If asked who is paying for this survey, say: This project is being undertaken by a consortium of local area governments, and the results will be publicly available. If you want any further information about this project, you should call Dr. Berman.)

1. In order for our survey to be valid, we must interview only persons over the age of 18 living in ____ [location] ____ . Would that be you? Yes [] No []

Location Names: Orange County
 Seminole County
 Osceola County

If "NO", ask to speak to someone who is eligible and start over, or terminate the call.

Interviewer: If respondent states that they want to discontinue the survey because they are vision-impaired, or use a wheelchair or are otherwise handicapped, encourage the respondent to continue. Explain that the survey seeks a representative sample of Central Florida residents. For wheelchair users, ask them to substitute the phrase "walking" by "using my wheelchair" or "get there by using my wheelchair," as may be appropriate.

NOTE: The following items assess the interest in walking

2. I will read you some statements about walking in and around Central Florida. Please tell me whether you Strongly Agree, Agree, Disagree or Strongly Disagree with the following statements. You may also say "Don't Know."

My neighborhood has safe and attractive areas for walking
I have shops in my neighborhood to which I can walk.

If disagree or strongly disagree: I wish had shops in my neighborhood to which I could walk

I have parks and other green spaces in my neighborhood to which I can walk.

If disagree or strongly disagree: I wish had parks in my neighborhood to which I could walk

Do you walk for pleasure or exercise 3 or more hours each week? Please answer Yes, No or Don't Know (if asked, say "a combined total of three hours")

How often do you walk 10 minutes or more in getting to or from a destination such as work or shopping, in a typical or average week? _____ times Check here if "don't know" []

(INTERVIEWER: If asked, clarify: Please count each walk you make, both to and from a destination.)

(INTERVIEWER: Answer must be a number. If a range is stated, report the average. If response is, for example, "once per month," report the week average as a fraction, 0.25)

NOTE: The following items assess accommodations for walking.

3. How important are the following factors in your decision to walk? Please say very important, important, somewhat important or unimportant. You may also say "Don't Know."

Availability of sidewalks

Availability of benches

Availability of shady streets and sidewalks

Destinations that are a reasonable distance away

Keeping a safe distance from traffic

Personal safety, including fear of attacks from other people

Easy access to safe street crossings

Convenient access to paved trails

Speed of nearby cars

NOTE: The following items assess the interest in bicycling

4-1. I am now going to ask you some questions about bicycling

Do you own a bicycle? [Yes, No, Don't know]

If no or don't know: do you bicycle? [Yes, No → go to question 4-2 below]

How often do you bicycle? _____ [times per week] Check here if "don't know" []

(INTERVIEWER: Answer must be a number. If a range is stated, report the average. If response is, for example, "once per month," report the week average as a fraction, 0.25)

For what purposes do you bicycle? [INTERVIEWER: READ ALL and **CHECK ALL THAT APPLY**]

1. To and from work [Yes, No]

2. Pleasure or recreation [Yes, No]

3. Errands (such as shopping) [Yes, No]

4. Other, please state which: _____ (Write short answer) [Yes, No]

How often do you use a bicycle to get to or from a destination such as work or shopping, in a typical or average week? _____ times. Check here if "don't know" []
 (INTERVIEWER: Answer must be a number. If a range is stated, report the average. If response is, for example, "once per month," report the week average as a fraction, 0.25)

4-2. I will now read you two definitions. *Trails* are dedicated, paved pathways for bikes, pedestrians and skaters that are not part of, or next to, any road. *Bicycle lanes* are parts of the road dedicated for bicycling; they are typically on the right side of road, and are separated from other traffic by a solid white line.

Do you understand these descriptions and the difference between them? [Yes, No]

If "no": re-read and ask this question again:

Do you now understand these descriptions and the difference between them? [Yes, No]

If still "no," → skip to section 5-2.

4-3. I will read you some statements about bicycling in and around Central Florida. Please tell me whether you Strongly Agree, Agree, Disagree or Strongly Disagree with the following statements. You may also say "Don't Know."

The network of bicycle lanes and trails go where I need them to go
 I would like to see more bicycle lanes in Central Florida
 Bicycle lanes in Central Florida do a good job connecting to the trails
 I feel safe bicycling on streets with dedicated bike lanes
 I feel safe bicycling on main thoroughfares with dedicated bike lanes

NOTE: The following items assess accommodations for bicycling.

5. How important are the following factors in your decision to bicycle? Please say very important, important, somewhat important or unimportant. You may also say "Don't Know."

Having bike lanes along the road
 Knowing safe bicycling practices
 Adequate locations to safely park your bike
 Destinations that are a reasonable distance away
 Keeping a safe distance from traffic
 Speed of nearby cars
 Availability of shady streets
 Personal safety, including fear of attacks from other people
 Ability to shower and change clothes at work.
 Convenient access to paved trails

NOTE: The following items assess accommodations for both walking and bicycling.

5-2 The following conditions could affect either walking or bicycling. How important are the following factors in your decision to either walk or bicycle? Please say very important, important, somewhat important or unimportant. You may also say "Don't Know."

Weather conditions

Attractive surroundings

Adequate street lighting

Rude motorists who deter me from walking or bicycling

Having to personally pay for parking my car

NOTE: The following items assess general conditions affecting walking and bicycling.

6. I am now going to read to you some general statements. Please tell me whether you Strongly Agree, Agree, Disagree or Strongly Disagree with the following statements. You may also say "Don't Know."

Central Florida is a less attractive place for bicycling and walking than other places that I know about.

A region like Central Florida should have opportunities to bicycle to work

I would like Central Florida to be among the most attractive places for bicycling and walking in the U.S.

I would like to live in a place where more of my daily needs can be met through walking or bicycling

Central Florida has an adequate number of sidewalks

The sidewalks in Central Florida are in good condition

Police should give tickets to motorists who fail to stop for pedestrians in crosswalks

It is OK to pay in whole or in part for bicycling and walking improvements from other budget items such as highways, parks, education and law enforcement.

Note different scales:

How much are you willing to pay in additional taxes or fees per year for improved bicycling and walking facilities in your community? \$ _____

Of every additional \$100 spent in coming years on transportation improvements, how much would you like to see spent on improvements for bicycling and walking, rather than for improved driving, transit, airports and other forms of transportation? \$ _____ (Interviewer: answer must be a number. If a range is given, report the average). Check here if "don't know"
[]

NOTE: One open-ended question.

7. "If there was one thing that could be done to improve walking or bicycling around Central Florida, what would that be?"

Does this answer refer to (check one): Walking, only []
 Bicycling, only []
 Both walking and bicycling []

NOTE: Demographic information.

8. Your answers to the following questions will help us better analyze the results of this survey. Let me remind you that you may skip any question you choose not to answer.

In what County do you live? Orange [] Seminole [] Osceola []

How long have you lived in Central Florida? _____ years

Do you expect to be living in Central Florida 10 years from now?
 Yes [] No [] Don't Know []

Do you work outside of your home? Yes [] No [] Don't Know []

If "yes," how many miles is your work from home? _____ miles (Interviewer: answer must be a number)

Do you drive? Yes [] No [] Don't Know []

Do you need a car for getting to and from your work? Yes [] No [] DK []

Do you need a car for on-the-job travel? Yes [] No [] Don't Know []

Have you used a Lynx bus in the last week? Yes [] No [] Don't Know []
 (Mighk: same question, different location)

What is your gender? Male [] Female []

Do you have children under 18 years old living at home with you? Yes [] No []

