

Volusia County Transportation Survey: Final Report

A Study Done As Part of the Volusia-Flagler Higher Education Consortium 2007-2008 Transportation Research Project

Aubrey Jewett, PhD

University of Central Florida

Department of Political Science

Orlando, FL 32816-1356

Phillips Hall 302E

ajewett@mail.ucf.edu

407-823-2608, Office

407-823-0051, FAX

Overview of Research and Findings

This research looks at the opinions of Volusia County residents towards current and future transportation issues in Volusia County. An original survey was constructed based on a larger multi-issue Volusia County survey done in 2006, feedback from county officials as to what they were most interested in finding out, feedback from other members of the Volusia Higher Education Consortium Transportation Project and the education and experience of the researcher. The 21 question telephone survey was conducted in January 2008 by the experienced Volusia-based marketing firm that conducted previous surveys for Volusia County. Random digit dialing was used and 475 county residents over the age of 18 responded to the survey. The demographics of the respondents are reasonably close to the demographics of the Volusia County population including race and ethnicity, gender, age and regional distribution.

The most important research findings based on the survey are summarized below.

*About 74% thought that Volusia was doing a good or excellent job building new roads to keep up with growth. About 99% of these respondents said it was important or very important to continue doing a good or excellent job building new roads in the future to keep up with growth. Conversely about 20% thought Volusia was doing only a fair or poor job building new roads to keep up with growth. Almost 97% of these respondents thought it was important or very important to do a better job of building new roads to keep up with growth in the future.

*About 76% thought that Volusia was doing a good or excellent job in resurfacing existing roads. About 99% of these respondents said it was important or very important to continue doing a good or excellent job resurfacing roads in the future. About 18% thought Volusia was doing only a fair or poor job resurfacing existing roads. Over 95% of these respondents thought it was important or very important to do a better job resurfacing roads in the future.

*About 62% agreed or strongly agreed that traffic congestion was a problem in Volusia County. Over 99% of these respondents said it was important or very important to reduce traffic congestion in the future. About 36% of respondents were neutral or disagreed that traffic congestion was a problem in Volusia County. Of these, over 90% said it was important or very important that Volusia keep traffic congestion from becoming a problem in the future.

*About 70% agreed or strongly agreed that Volusia County roads are generally in good repair. About 15% were neutral and only about 3% disagreed.

*Almost 70% disagreed or strongly disagreed that mass transit systems like buses or commuter rail are important to them. About 9% were neutral and about 21% agreed or strongly agreed that mass transit systems were important to them.

*Only about 27% agreed or strongly agreed that they were concerned about flooding of Volusia County roads when there is heavy rain. Conversely just over 50% disagreed or strongly

disagreed that they were concerned about flooding. Almost 22% were neutral on the question of concern about flooding.

*About 54% agreed or strongly agreed that they were concerned about the ability of Volusia County roads to handle a mass evacuation during an emergency. About 22% were neutral on the evacuation question and about 23.5% disagreed or disagreed strongly that they were concerned about the ability of the roads to handle a mass evacuation.

There were also some statistically significant demographic differences in opinions about Volusia County roads. The main differences are summarized below.

*East Volusia County residents differed from West Volusia County residents in several ways. East Volusia residents were more likely to say that Volusia was doing an excellent or good job in building new roads to keep up with growth. East Volusia residents were more likely to disagree or strongly disagree that traffic congestion was a problem. East Volusia residents were more likely to agree or strong agree that they were concerned about the ability of Volusia roads to handle a mass evacuation in the event of an emergency.

* Whether someone lived in a city or in unincorporated Volusia County affected their views on several issues. Residents who live in unincorporated Volusia were more likely to say that Volusia was only doing a fair or poor job in resurfacing new roads. Unincorporated Volusia residents were more likely to disagree or strongly disagree that traffic congestion was a problem. Residents who live in unincorporated Volusia were more likely to disagree or strong disagree that they were concerned about the ability of Volusia roads to handle a mass evacuation in the event of an emergency.

*How long someone has lived in Volusia County affected some opinions about roads. Long-time Volusia residents were more likely to say that Volusia was doing only a fair or poor job building new roads to keep up with growth. Long-time residents were more like to agree or strongly agree that traffic congestion was a problem. Long-time residents were more likely to agree or strongly agree that mass transit systems were important to them. Long-time residents were more likely to agree or strongly agree that they were concerned about flooding of Volusia County roads.

*Volusia residents working full or part-time had different opinions in some cases compared to those not working or retired (it made no difference whether residents worked in Volusia or in another county). Working residents were more likely to say that Volusia was doing an excellent or good job in building new roads to keep up with growth. Working residents were more likely to say that Volusia was doing an excellent or good job in resurfacing new roads. Working residents were more likely to agree or strongly agree that Volusia County roads were generally in good repair. Working residents were more likely to disagree or strong disagree that they were concerned about the ability of Volusia roads to handle a mass evacuation in the event of an emergency.

*Volusia residents who drive more miles on average each week had different views on some traffic issues. Residents who drove more miles were more likely to disagree or strongly disagree that mass transit systems were important to them.

*Volusia's minority residents differed in some opinions on transportation issues. Black residents were more likely to agree or strongly agree that mass transit systems were important to them. Blacks were more likely to agree or strongly agree that they were concerned about flooding of Volusia County roads.

*Women in Volusia County differed in some opinions on transportation compared to men. Women were more likely to agree or strongly agree that mass transit systems were important to them. Women were more likely to agree or strongly agree that they were concerned about flooding of Volusia County roads.

* Age of respondents mattered for one question. Older residents were more likely to agree or strongly agree that they were concerned about the ability of Volusia County roads to handle a mass evacuation in the event of a hurricane or other emergency.

There were some interesting similarities and differences between the results of this survey and the results of the 2006 Volusia County Citizen Survey.

* In the 2006 survey only 37% of residents strongly agreed (5%) or agreed (32%) that "traffic congestion is a problem in Volusia County." However in the current survey a majority of residents (about 62%) agreed (35%) or strongly agreed (27%) that traffic congestion is a problem for Volusia County. This is a large increase in the percent of residents that think traffic congestion is a problem.

* In both surveys over 70% of respondents agreed or strongly agreed that "Volusia County roads are generally in good repair" (about 70% in the current survey down just a bit from 79% in 2006).

* In both surveys only a minority of residents agreed or strongly agreed that mass transit was important (about 15% in 2006 and slightly more at 21% in the current survey).

* In both surveys a strong majority of residents said Volusia was doing a good or excellent job in building new roads. The percent grew slightly from 60% in 2006 to about 74% in the current survey.

* In both surveys over 70% rated Volusia as excellent or good in maintaining/resurfacing existing roads.

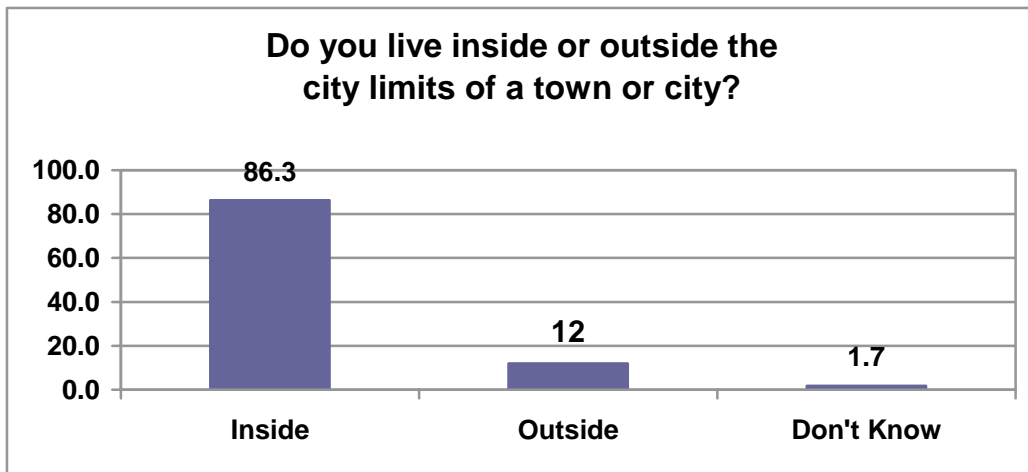
Survey Results

This section displays a brief version of each question on the transportation survey in the order in which they were asked (the complete survey questions and response categories are provided at the end of this report) and provides the important univariate statistics for the responses given by Volusia residents in each category. In most cases (for all variables measured at the nominal or ordinal level) this includes the number and percent of respondents in each category in table form and a bar chart that displays the percent of people responding in each category. For the one variable measured at the ratio level, years lived in Volusia County, the mean, median, mode and maximum and minimum values are provided.

Question 1 asks if respondents live in unincorporated Volusia County or an incorporated city within Volusia County. A strong majority (86%) indicated that they lived inside the boundaries of a city. This is slightly higher than census bureau figures found on the Volusia County website that indicate that about 74.4% live inside a city (see <http://floridabusiness.org/demo2.htm>). However it is likely that at least some respondents believe they live in an incorporated area when they actually do not making the real percentage in the survey somewhat lower. This is a fairly common mistake that citizens make as they confuse a postal address with whether or not they actually live inside the limits of a city. In any event the difference is not large enough to affect the survey results.

1. Do you live inside or outside the city limits of a town or city?

Inside (Incorporated)	Outside (Unincorporated)	Don't Know	Total
410	57	8	475
86.3%	12%	1.7%	100%



Question 2 looks at the simple demographic question of how long the respondent has lived in Volusia County. The average length of time in the County is a little over 15 years with the median (the point at which an equal number of respondents are above and below) being 13 years. The most frequently occurring response is four years. The respondent with the longest time in Volusia had been in the County for 78 years! Several respondents have lived here less than one year.

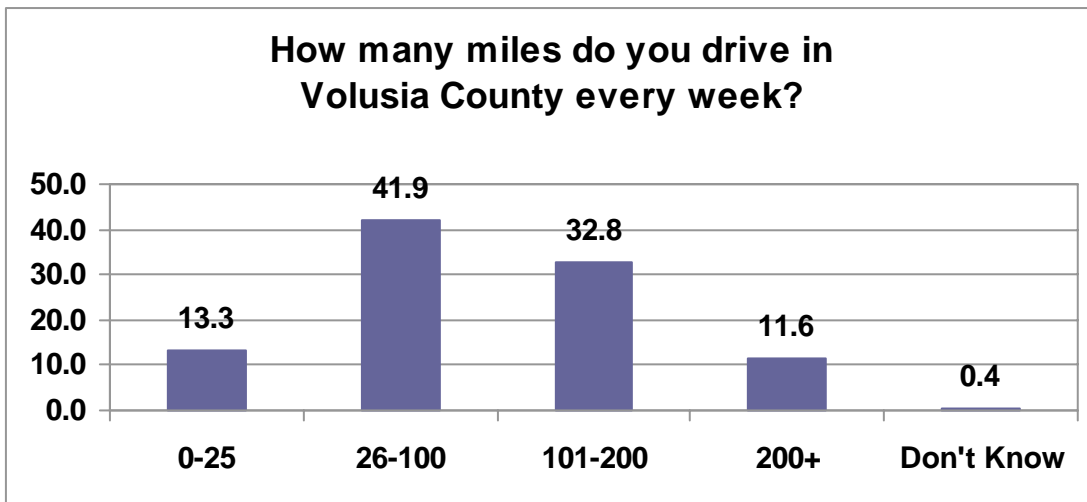
2. How many years have you lived in Volusia County?

Mean: 15.3	Median: 13	Mode: 4	Maximum: 78	Minimum: 1<
------------	------------	---------	-------------	-------------

Question 3 asks how many miles the respondent drives in Volusia County in an average week (based on several ranges). The most frequently occurring category was 26-100 miles per week with about 42%. Next came 101-200 mile per week with about 33%. Coming in third and fourth with somewhat lower percentages than the first two categories were the extremes: about 13% said only 0-25 miles per week and 11.5% indicated they put in over 200 miles per week.

3. About how many miles do you drive in Volusia County in an average week?

0-25	26-100	101-200	200 +	Don't Know	Total
63	199	156	55	2	475
13.26%	41.89%	32.84%	11.58%	.42%	100%

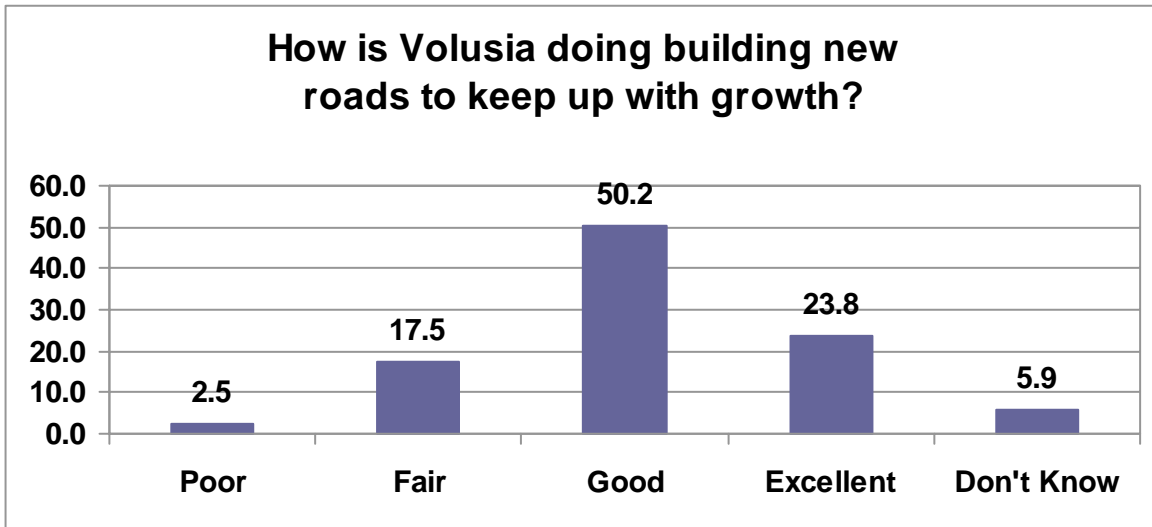


Question 4 looks at how good a job the County is doing in building new roads to keep up with growth. The results show positive news for the Volusia County. About 50% of the respondents said “good” and about 24% said “excellent” for a combined 74% “good or excellent.” In contrast about 17.5% thought the County was only doing a “fair” job and only

2.5% thought the County was doing a poor job for a combined “fair or poor” rating of 20%. Overall positive responses outnumbered negative responses by almost better than 3.5:1.

4. How good a job is Volusia doing building new roads to keep up with growth?

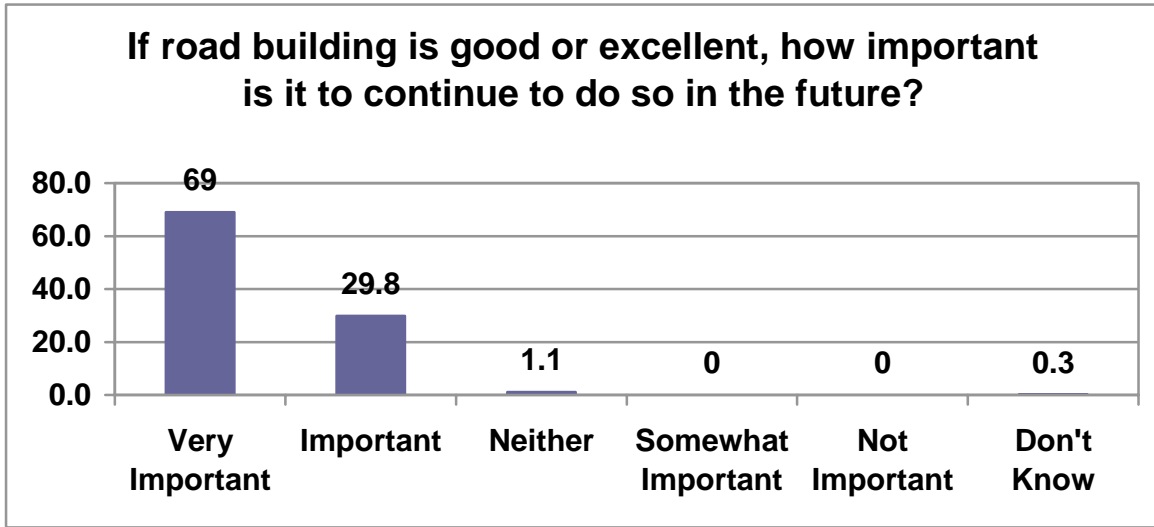
Poor	Fair	Good	Excellent	Don't Know	Total
12	83	239	113	28	475
2.53%	17.47%	50.32%	23.79%	5.89%	100.00%



Questions 5 and 6 are follow-up questions to question 4 asking both those who currently had generally positive views of road building to keep up with growth and those with generally negative views to rate the importance of road building in the future. Almost 99% of the 352 residents who thought Volusia was doing a good or excellent job building new roads currently thought it was very important (69%) or important (30%) for Volusia to continue doing a good or excellent job building new roads to keep up with growth in the future. Only about 1% of residents who thought Volusia was currently doing an excellent or good job building new roads were neutral on the importance of building new roads to keep up with growth in the future. Thus overwhelmingly, residents who are satisfied with current road building efforts think that it is important that the County continue such efforts into the future.

5. For those who thought Volusia was doing an excellent or good job building roads to keep up with growth – how important is it to continue doing an excellent/good job in the future?

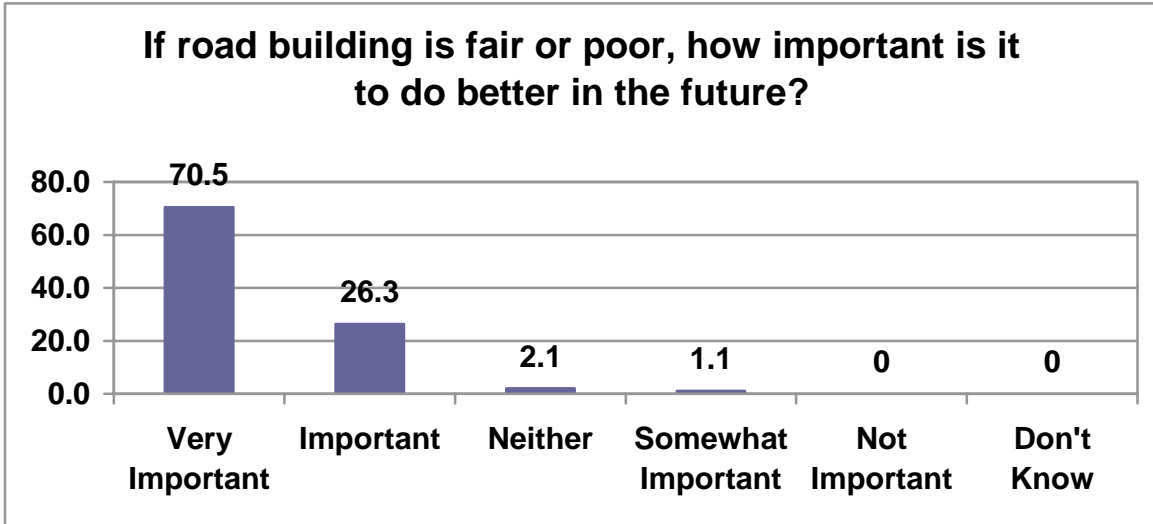
Very Important	Important	Neither Imp. or Not	Somewhat Important	Not Important	Don't Know	Total
242	105	4			1	352
68.75%	29.83%	1.14%			.28	100%



Among the 95 residents who currently rate Volusia County road building efforts to keep up with growth as only poor or fair, a strong majority want to see the County do a better job in the future. Specifically, about 97% of people who are not very satisfied with current road building efforts said that it was very important (71%) or important (26%) for Volusia County to do a better job building new roads to keep up with growth in the future. Only about 3% had a neutral response or thought it was only somewhat important. Taken together, questions 5 and 6 provide strong evidence that regardless of how County residents currently rate road building efforts, almost all want to see Volusia County do an adequate job of building roads in the future to keep up with growth. Those that think Volusia is doing well now want that to continue, and those that think the County is not doing a very good job now want to see improvement.

6. For those who thought that Volusia was doing a fair or poor job building roads to keep up with growth – how important is it to do a better job in the future?

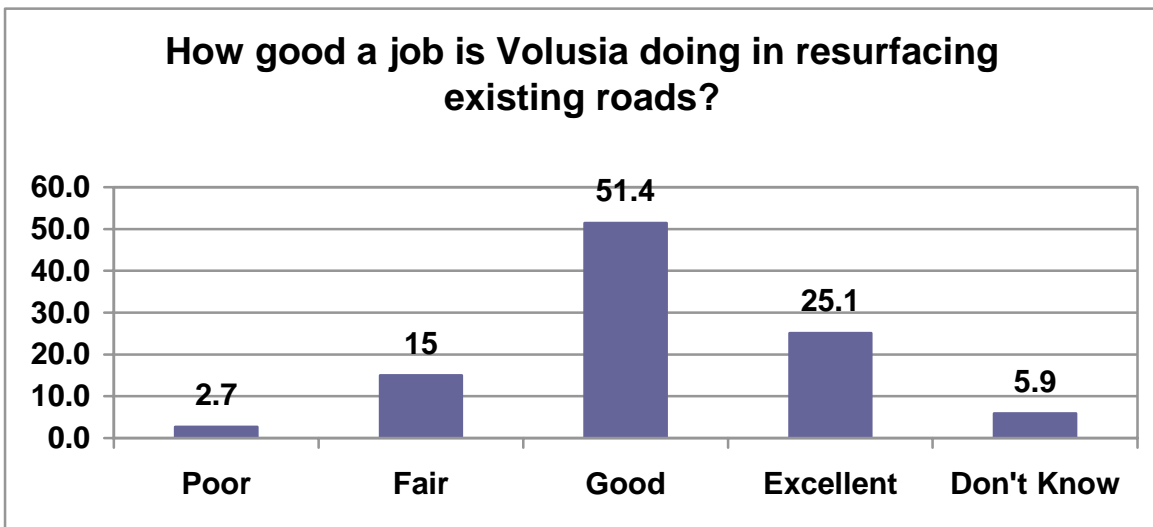
Very Important	Important	Neither Imp. or Not	Somewhat Important	Not Important	Don't Know	Total
67	25	2	1			95
70.53%	26.32%	2.10%	1.05%			100%



Question 7 looks at how well Volusia County is doing in resurfacing existing roads. About three-fourths (76%) of respondents gave the County positive marks: specifically 51% think Volusia County is doing a good job and 25% think it is doing an excellent job. Conversely only about 18% of residents gave the County low marks in this area: about 15% thought the County was only doing a fair job resurfacing existing roads and only about 3% thought they were doing a poor job. The ratio of positive to negative responses was better than 4:1.

7. How good a job is Volusia County doing in resurfacing existing roads?

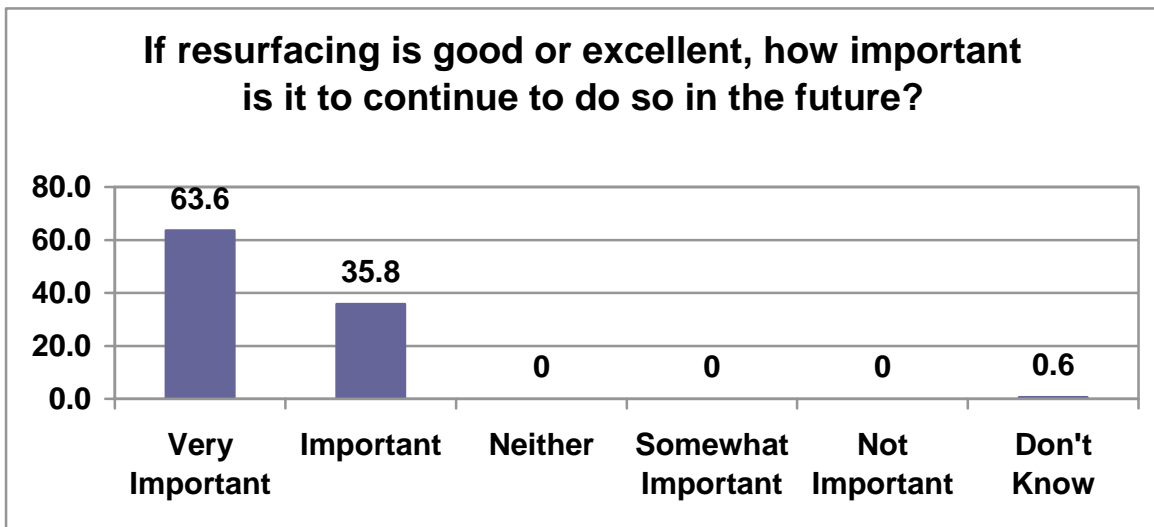
Poor	Fair	Good	Excellent	Don't Know	Total
13	71	244	119	28	475
2.74%	14.95%	51.37%	25.05%	5.89%	100.00%



Questions 8 and 9 are follow ups to question 7 asking both those who currently hold a positive view of Volusia County resurfacing efforts and those who currently hold a negative view to reflect on resurfacing efforts in the future. Question 8 shows that except for two respondents that did not have an opinion, all other respondents (361) who thought Volusia County was doing an excellent or good job resurfacing roads thought it was very important (almost 64%) or important (almost 36%) to continue doing an excellent or good job resurfacing roads in the future.

8. For those who thought Volusia County was doing a good or excellent job resurfacing roads – how important is it to continue doing a good/excellent job in the future?

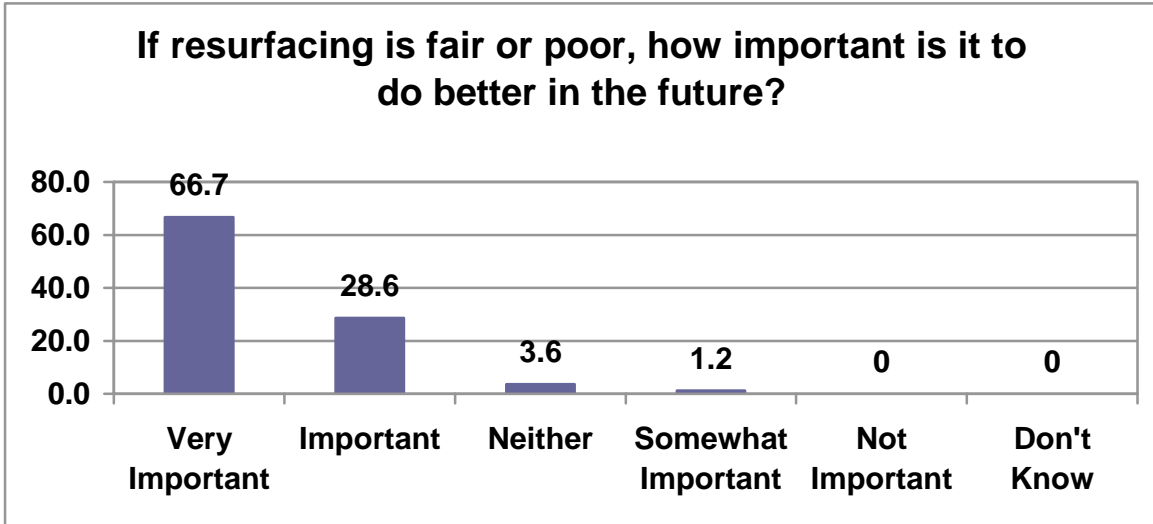
Very Important	Important	Neither Imp. or Not	Somewhat Important	Not Important	Don't Know	Total
231	130				2	363
63.64%	35.81%				0.55%	100%



Question 9 shows that a strong majority (about 95%) of the 84 residents who thought Volusia was not doing a very good job resurfacing existing roads thought it was very important (67%) or important (29%) for Volusia County to do a better job resurfacing roads in the future.

9. For those who thought that Volusia County was doing a fair or poor job resurfacing roads – how important is it to do a better job in the future?

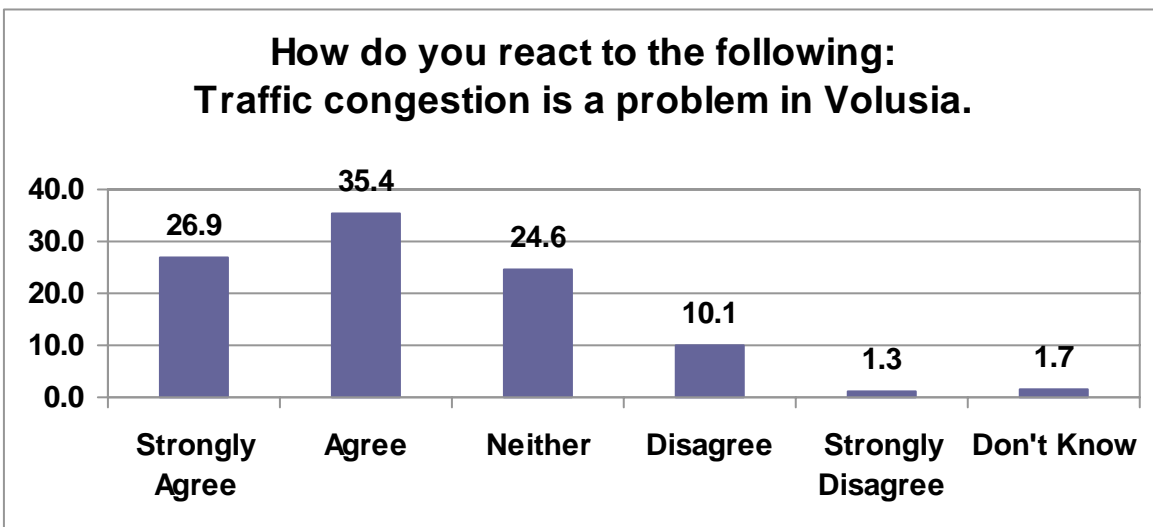
Very Important	Important	Neither Imp. or Not	Somewhat Important	Not Important	Don't Know	Total
56	24	3	1			84
66.67%	28.57%	3.57%	1.19%			100%



Question 10 looks at views concerning traffic congestion in Volusia County. A majority of residents (about 62%) agreed (35%) or strongly agreed (27%) that traffic congestion is a problem for Volusia County. Almost 25% were neutral on this question while about 10% disagreed and 1% strongly disagreed.

10. Do you strongly agree, agree, neither agree or disagree, disagree or strongly disagree with the following statement: Traffic congestion is a problem for Volusia County.

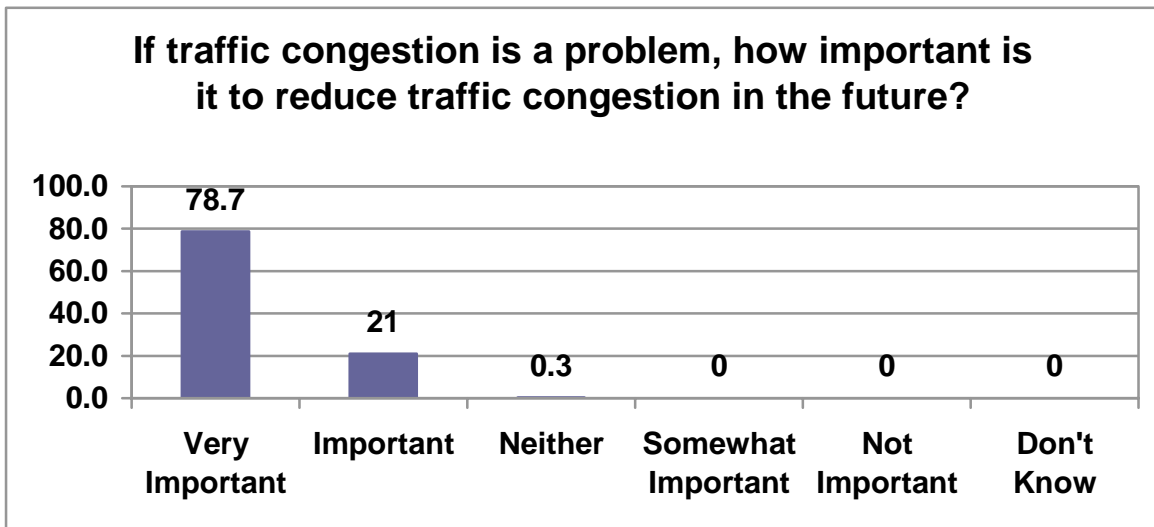
Strongly Agree	Agree	Neither	Disagree	Strongly Disagree	Don't Know	Total
128	168	117	48	6	8	475
26.9%	35.4%	24.6%	10.1%	1.3%	1.7%	100%



Questions 11 and 12 were follow ups to question 10 asking both those who thought traffic congestion was a problem in Volusia County and those that were neutral or did not think it was a problem to think about the importance of reducing traffic congestion in the future. Among the 296 resident that currently believe traffic congestion is a problem, all but one thought it was very important (almost 79%) or important (almost 21%) – the one other person was neutral.

11. For those who thought that traffic congestion was a problem in Volusia (strongly agree or agree) – how important is it to reduce traffic congestion in the future?

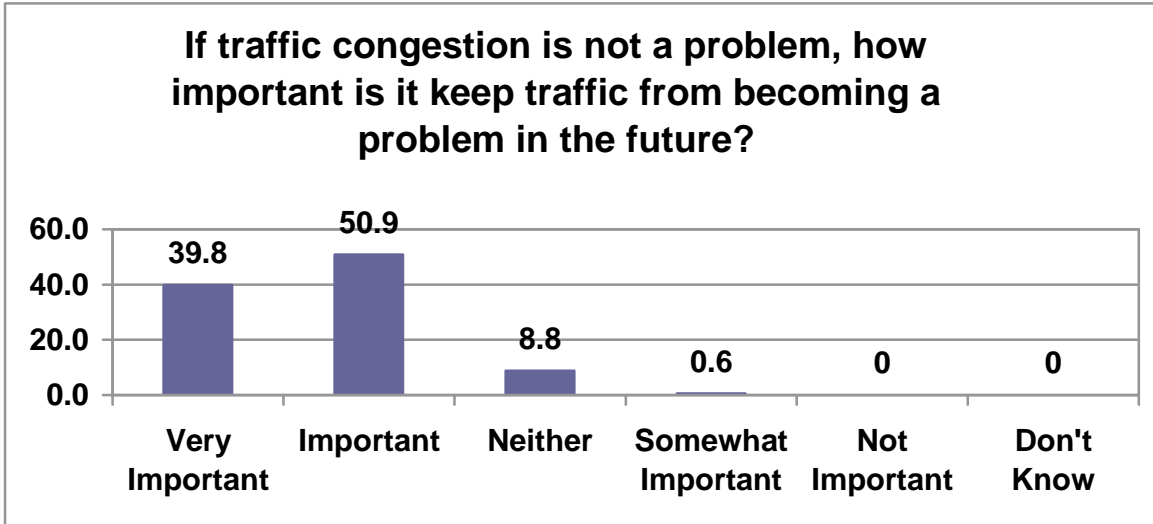
Very Important	Important	Neither Imp. or Not	Somewhat Important	Not Important	Don't Know	Total
233	62	1				296
78.71%	20.95%	.34%				100%



Question 12 shows that of the 171 residents who did not think traffic congestion was a current problem in Volusia County, over 90% thought it was important (51%) or very important (40%) to keep traffic congestion from becoming a problem in the future. Only about 9% were neutral on the future and only one resident ranked it as somewhat important.

12. For those who did not think that traffic congestion was a problem in Volusia (strongly disagree, disagree or neither) – how important is it to keep traffic congestion from becoming a problem in the future?

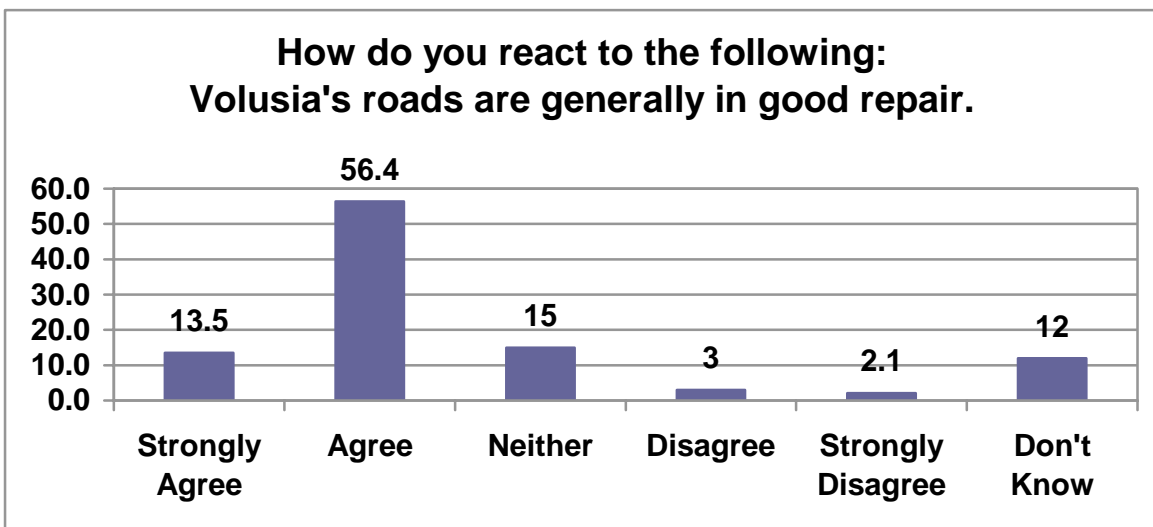
Very Important	Important	Neither Imp. or Not	Somewhat Important	Not Important	Don't Know	Total
68	87	15	1			171
39.77%	50.88%	8.77%	.58			100%



Question 13 asks residents their view of the quality of Volusia County roads. About 70% of residents agreed (56%) or strong agreed (13%) that Volusia County roads are generally in good repair. About 15% of respondents were neutral and only about 3% disagreed or strongly disagreed. About 12% did not have opinion on this question.

13. Do you strongly agree, agree, neither agree or disagree, disagree or strongly disagree with the following statement: Volusia County roads are generally in good repair.

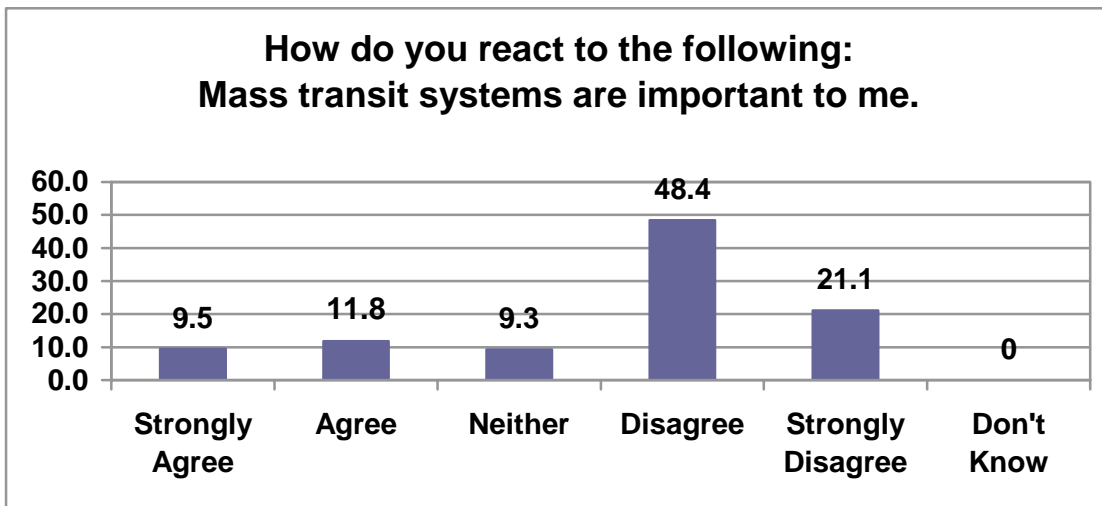
Strongly Agree	Agree	Neither	Disagree	Strongly Disagree	Don't Know	Total
64	268	71	14	1	57	475
13.47%	56.42%	14.95%	2.95%	0.21%	12%	100%



Question 14 asks resident their opinion on the importance of mass transit. Almost 70% of respondents did not think mass transit was important: about 48% disagreed that mass transit systems were important and about 21% strongly disagreed. About 9% were neutral on the question and only about 21% were more positive (about an equal percent agreeing or strongly agreeing that mass transit was important. This is consistent with previous surveys and is not too surprising in a sun belt suburban state that relies heavily on the automobile for transportation.

14. Do you strongly agree, agree, neither agree or disagree, disagree or strongly disagree with the following statement: Mass transit systems like buses or commuter rail are important to me.

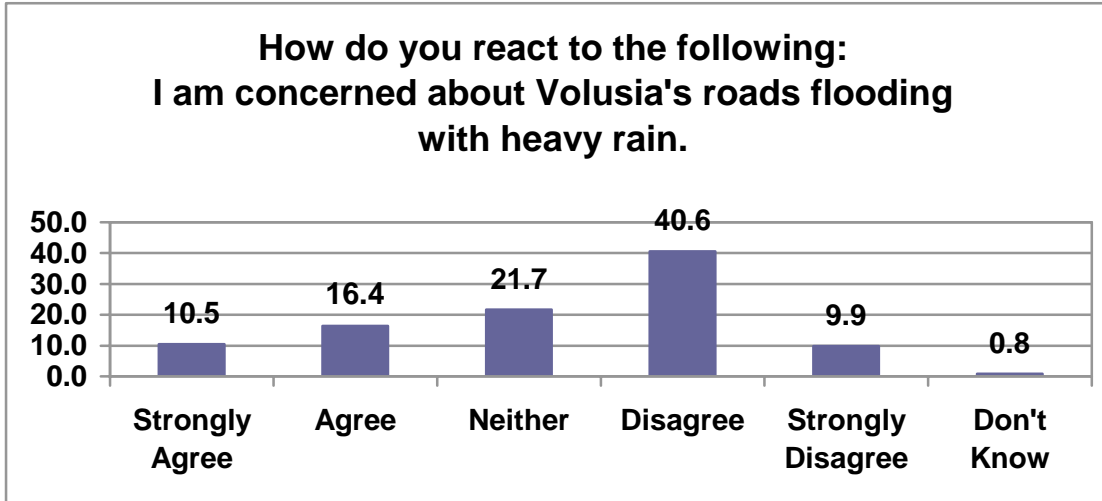
Strongly Agree	Agree	Neither	Disagree	Strongly Disagree	Don't Know	Total
45	56	44	230	100		475
9.5%	11.8%	9.3%	48.4%	21.1%		100%



Question 15 asks residents if they are concerned about road flooding. About 27% strongly agreed (10.5%) or agreed (16%) that they were concerned about flooding. About 22% were neutral. About half disagreed (41%) or strongly disagreed (10%) that they were concerned.

15. Do you strongly agree, agree, neither agree or disagree, disagree or strongly disagree with the following statement: I am concerned about flooding of Volusia County roads when there is heavy rain.

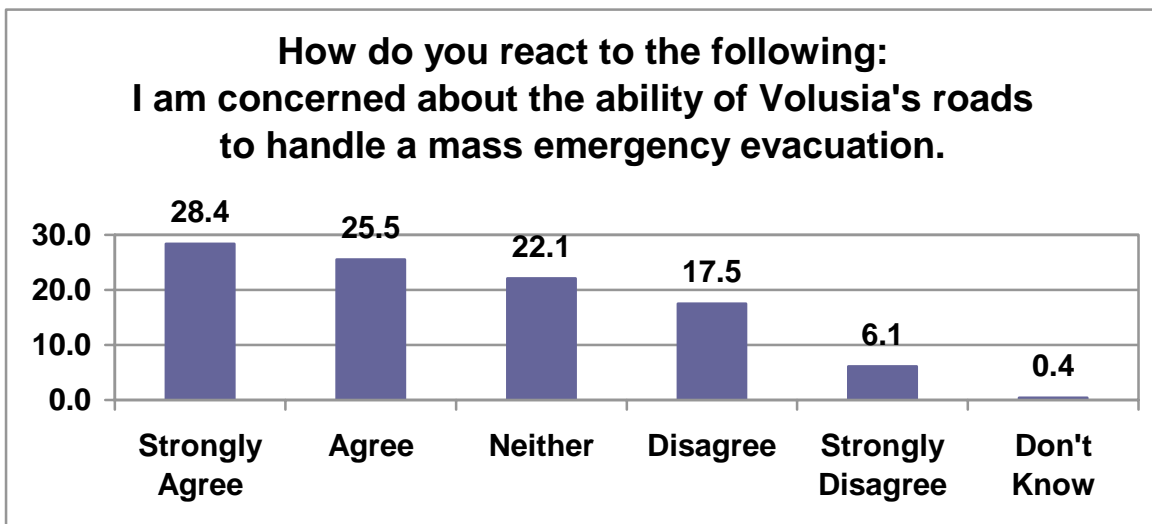
Strongly Agree	Agree	Neither	Disagree	Strongly Disagree	Don't Know	Total
50	78	103	193	47	4	475
10.5%	16.4%	21.7%	40.6%	9.9%	0.8%	100%



Question 16 weighs residents concerns about the ability of Volusia County roads to handle a mass evacuation in the event of an emergency. A slight majority strongly agreed (28%) or agreed (25.5%) that they were concerned. About 22% were neutral and about 24% disagreed (17.5%) or disagreed strongly (6%).

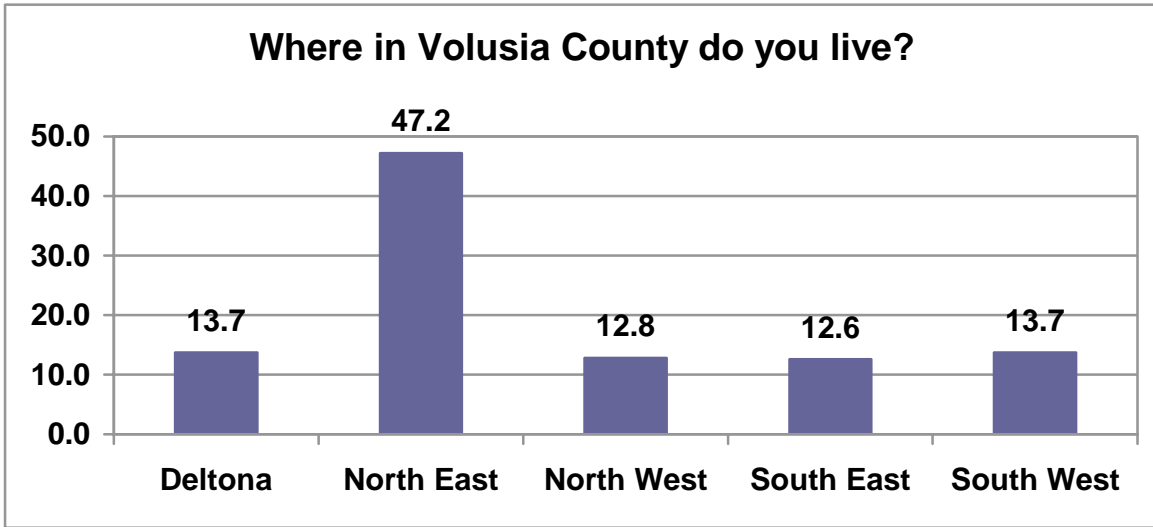
16. Do you strongly agree, agree, neither agree or disagree, disagree or strongly disagree with the following statement: I am concerned about the ability of Volusia County roads to handle a mass evacuation in the event of a hurricane or other emergency.

Strongly Agree	Agree	Neither	Disagree	Strongly Disagree	Don't Know	Total
135	121	105	83	29	2	475
28.4%	25.5%	22.1%	17.5%	6.1%	0.4%	100%



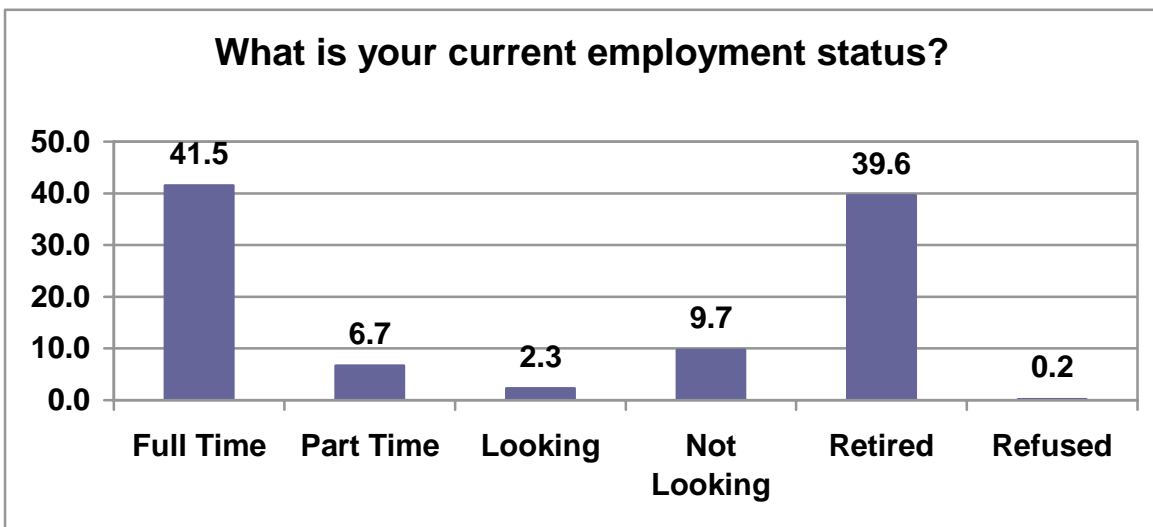
18. Regional breakdown of respondents (from zip codes collected in 17 – not shown here)

Deltona – 65 (13.7%) North East – 224 (47.2%) North West – 61 (12.8%)
 South East – 60 (12.6%) South West – 65 (13.7%)



19. What is your current employment status?

Full Time	Part Time	Unemployed Looking	Unemployed Not Looking	Retired	Refused	Total
197	32	11	46	188	1	475
41.47%	6.74%	2.32%	9.68%	39.58%	0.21%	100%

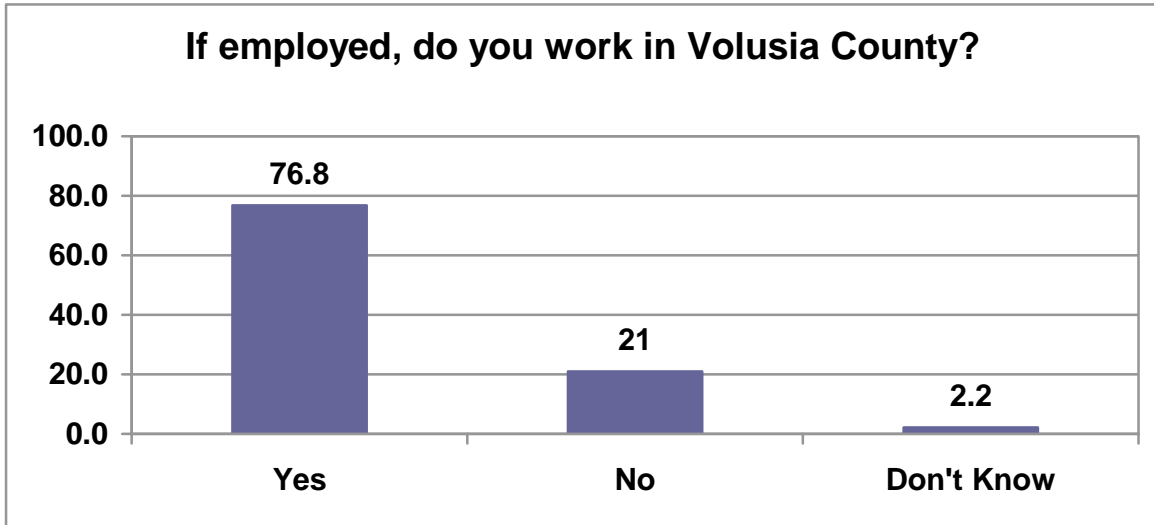


20. For those who are working (229), do you work inside of Volusia County?

Yes – 176 (76.85%)

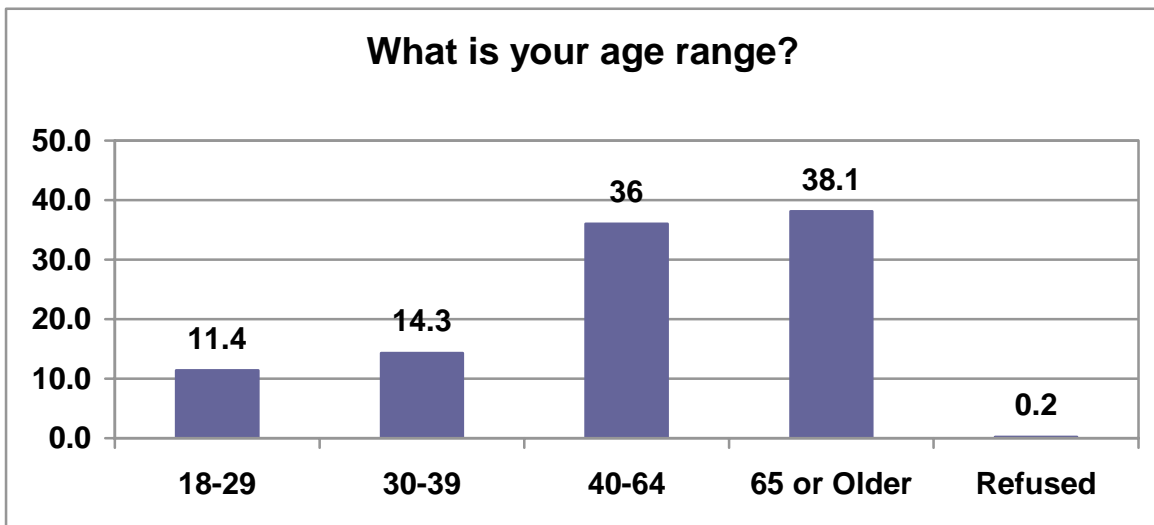
No – 48 (20.96%)

Don't know/Refused – 5 (2.18%)



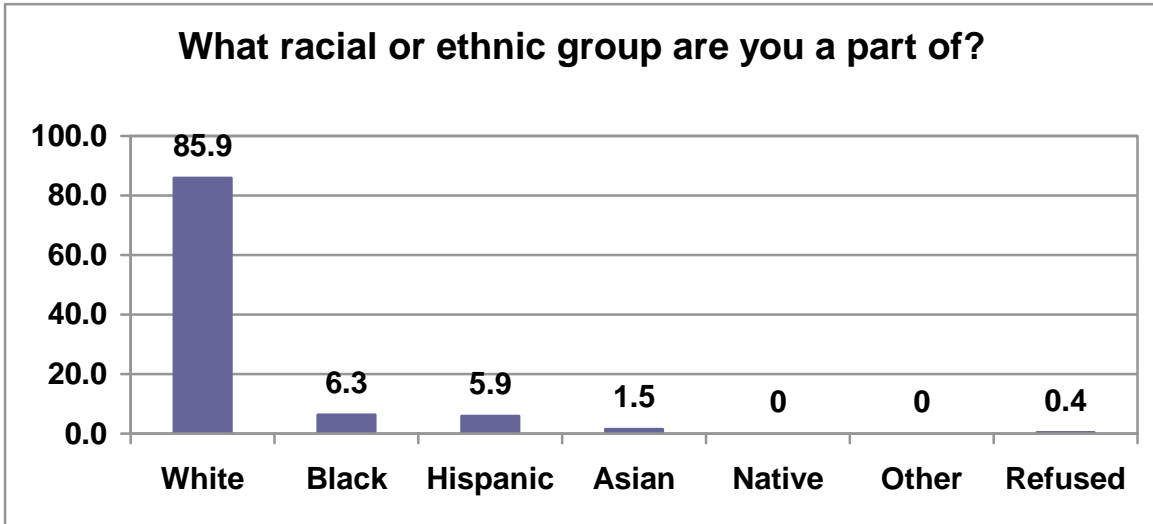
21. Into what age group do you fall?

18-29	30-39	40-64	65 or older	Refused	Total
54	68	171	181	1	475
11.4%	14.3%	36.0%	38.1%	0.2%	100%

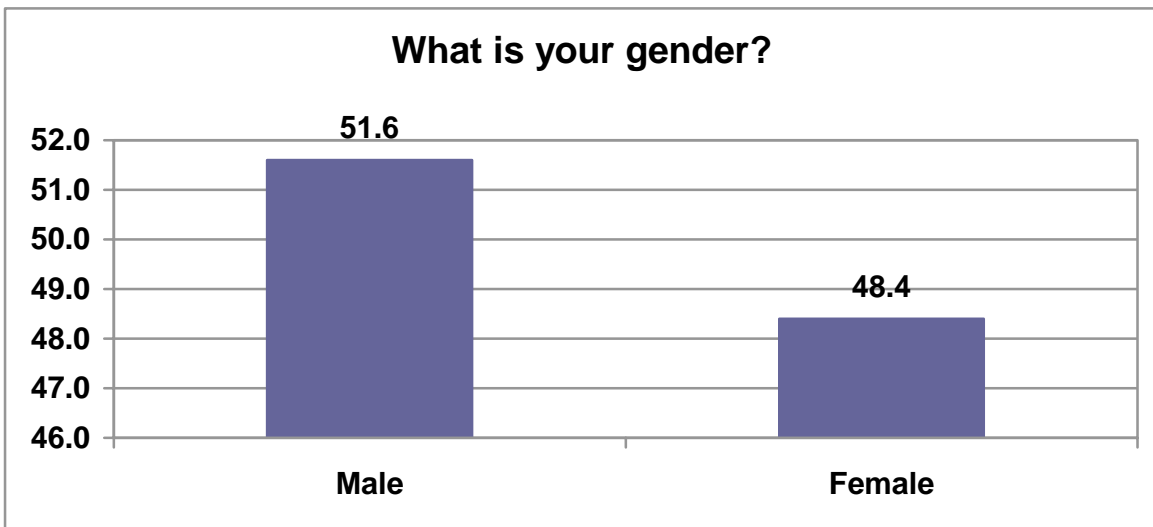


22. What racial or ethnic group are you part of?

White	Black	Hispanic	Asian	Native	Other	Refused	Total
408	30	28	7			2	475
85.90%	6.32%	5.89%	1.47%			.42%	100%



23. What is your gender? Total: 475 Male: 245 (51.58%) Female: 230 (48.42%)



Regression Analysis

This section analyzes differences in responses to the transportation questions asked in the survey of Volusia County residents. Thus the responses to these transportation questions are the dependent variables: differences in these answers are what we are trying to explain. In addition to the questions on issues a number of demographic questions were asked as well including: the number of years living in Volusia County, the number of miles driven in Volusia County each week, the region of the county, employment status, age, race, ethnicity, and gender of the respondent. These various demographic measures make up the independent variables: the variables that theoretically might cause differences in the dependent variable – in this case the answers to the questions on transportation.

Two specific pieces of information are most important for each model when it comes to interpreting whether or not a variable helps explain differences in the model and whether that effect is positive or negative. The most important is the significance level. This tells whether the differences in responses to a particular question most likely occurred by chance or whether the differences found in the survey sample accurately reflect the views of all Volusia County residents. Or put another way, statistical significance tells whether the results from the random sample are generalizable to the population from which the sample was drawn. For smaller samples a significance level of .10 is often used. If the significance level is .10 or less, then the results for a particular variable are considered statistically significant and not due to chance. Statistically speaking there is greater than a 90% chance that the results found in the survey would be generalizable to the adult population of Volusia County. The other important data to look for in each table is the sign of the coefficient for any statistically significant variable. In brief if there is a “plus” sign then there is positive relationship between the two variables. If there is a “minus” sign then there is a negative relationship between the two variables.

Variables come in different forms depending on how they are measured. Nominal level variables have numbers assigned to them to arbitrarily classify observations (for instance gender or race). Ordinal variables have numbers assigned to classify observations from highest to lowest (or lowest to highest). Interval and ratio level variables have numbers used to rank observations that are known units with precise distances between observations. The following variables are examined to see if they help explain the differences in responses.

Unincorporated Volusia Resident – Respondent were marked 1 if they lived in the unincorporated area and 2 if they lived in the city.

Years in Volusia County – This is simply measured as the number of actual years lived in the county.

Estimated Weekly Miles Driven in Volusia County – Respondents were put into four categories from 0-25 miles a week scored 0 up to more than 200 miles a week scored 3.

Region of Volusia – Respondents were scored a 1 if they lived in East Volusia and a 2 if they lived somewhere else.

Employment – Respondents were scored a 1 if they working full or part time and a 0 if anything else (retired, unemployed, stay-at-home parent etc).

Black – Respondents were scored a 1 if they were Black and a 0 if anything else.

Hispanic - Respondents were scored a 1 if they were Hispanic and a 0 if anything else.

Gender - Respondents were scored a 1 if they were female and a 0 if male.

Age – Respondents were put into four categories based on their responses ranging from 18-29 (scored 0) to 65 or older (scored 3).

The statistical technique used in this report to explain differences in responses is regression analysis. Regression is a tool that gives the effect of each independent variable on the dependent variable taking into account the effect of all the other independent variables entered into the model. There are various types of regression that can be used. For this study two types of regression were used to explore differences in responses: Ordinary Least Squares (OLS) regression and Ordinal Regression. Ordinary Least Squares regression is the most well known and frequently used type of regression whereas Ordinal regression is specifically designed to use when the dependent variable is measured at the ordinal level (as is the case here). However the results of the models in terms of statistical significance and direction of coefficients were the same and so the OLS regression results are displayed here since they are more easily interpreted.

OLS regression models were constructed using the variables above for each of the seven transportation questions asked of all respondents. However because age and employment status were highly correlated in this sample both of these variables could not be included in the same model. Analysis of collinearity statistics suggested that employment status was the more important variable and so the age variable was dropped from the models presented below. However to be cautious all models were rerun with age in the model in place of employment (tables not shown for these models). Age was only statistically significant in one model: older residents were more likely to agree or strongly agree that they were concerned about the ability of Volusia County roads to handle a mass evacuation in the event of a hurricane or other emergency. Each model excluding age is presented below in a separate table with a brief description.

Regression Table 1 explains differences in responses to the question of “How good a job is Volusia doing in building new roads to keep up with growth?” Three variables are statistically significant (less than .10) in this model: Years in Volusia, East Volusia and Working. Long-time Volusia residents were more likely to say that Volusia was doing only a fair or poor job building new roads to keep up with growth. East Volusia residents were more likely to say that Volusia was doing an excellent or good job in building new roads to keep up with growth. Working residents were more likely to say were more likely to say that Volusia was doing an excellent or good job in building new roads to keep up with growth.

Regression Table 1
Explaining Differences in Responses to the Question: “How good a job is Volusia doing in building new roads to keep up with growth?”

Variables	Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Collinearity Statistics	
	B	Std. Error	Beta			Tolerance	VIF
(Constant)	2.078	.114		18.305	.000		
Unincorp	-.131	.108	-.058	-1.217	.224	.982	1.019
Yrs in Vol	-.007	.003	-.102	-2.038	.042	.894	1.119
Wkly Miles	-.054	.049	-.062	-1.107	.269	.701	1.426
East Vol	.189	.072	.125	2.616	.009	.979	1.021
Working	.140	.082	.095	1.699	.090	.719	1.391
Black	-.050	.149	-.016	-.339	.735	.979	1.021
Hispanic	-.127	.156	-.039	-.815	.415	.966	1.035
Gender	-.066	.072	-.044	-.910	.364	.935	1.070

Regression Table 2 explains differences in responses to the question of “How good a job is Volusia doing in resurfacing existing roads?” Two variables are statistically significant (.10 or less) in this model: Unincorporated and Working. Residents who live in unincorporated Volusia were more likely to say that Volusia was only doing a fair or poor job in resurfacing new roads. Working residents were more likely to say that Volusia was doing an excellent or good job in resurfacing new roads. All the other variables in this model failed to achieve statistical significance.

Regression Table 2

Explaining Differences in Responses to the Question: “How good a job is Volusia doing in resurfacing existing roads?”

Variables	Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Collinearity Statistics	
	B	Std. Error	Beta			Tolerance	VIF
(Constant)	2.144	.115		18.705	.000		
Unincorp	-.234	.107	-.104	-2.185	.029	.983	1.017
Yrs in Vol	-.005	.004	-.072	-1.440	.150	.890	1.124
Wkly Miles	-.075	.049	-.085	-1.517	.130	.705	1.418
East Vol	.110	.072	.073	1.523	.129	.978	1.022
Working	.179	.082	.121	2.173	.030	.720	1.388
Black	-.021	.147	-.007	-.140	.889	.977	1.023
Hispanic	-.177	.156	-.054	-1.131	.259	.966	1.035
Gender	-.051	.072	-.034	-.700	.484	.937	1.067

Regression Table 3 explains differences in responses to the following statement: “Traffic congestion is a problem for Volusia County.” Three variables were statistically significant in this model: Unincorporated, Years in Volusia, and East Volusia. Unincorporated Volusia residents were more likely to disagree or strongly disagree that traffic congestion was a problem. Long-time residents were more like to agree or strongly agree that traffic congestion was a problem. East Volusia residents were more likely to disagree or strongly disagree that traffic congestion was a problem.

Regression Table 4 explains differences in responses to the following statement: “Volusia County roads are generally in good repair.” Only one variable was statistically significant in this model: Working. Working residents were more likely to agree or strongly agree that Volusia County roads were generally in good repair.

Regression Table 5 explains the differences in responses to the following statement: “Mass transit systems like buses and commuter rail are important to me.” Four variables are statistically significant: Years in Volusia, Weekly Miles, Black and Gender. Long-time residents were more likely to agree or strongly agree that mass transit systems were important to them. Residents who drove more miles were more likely to disagree or strongly disagree that mass transit systems were important to them. Black residents and women were more likely to agree or strongly agree that mass transit systems were important to them.

Regression Table 3

Explaining Differences in Responses to the Statement: “Traffic congestion is a problem for Volusia County.”

Variables	Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Collinearity Statistics	
	B	Std. Error	Beta			Tolerance	VIF
(Constant)	2.771	.147		18.900	.000		
Unincorp	-.322	.143	-.104	-2.253	.025	.983	1.017
Yrs in Vol	.012	.004	.128	2.631	.009	.896	1.116
Wkly Miles	.042	.065	.036	.654	.514	.698	1.433
East Vol	-.362	.095	-.176	-3.795	.000	.976	1.025
Working	.053	.109	.027	.487	.626	.713	1.402
Black	-.058	.195	-.014	-.297	.767	.974	1.026
Hispanic	-.310	.210	-.069	-1.473	.142	.964	1.038
Gender	.054	.095	.027	.567	.571	.939	1.065

Regression Table 4

Explaining Differences in Responses to the Statement: “Volusia County roads are generally in good repair.”

Variables	Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Collinearity Statistics	
	B	Std. Error	Beta			Tolerance	VIF
(Constant)	2.793	.110		25.486	.000		
Unincorp	-.024	.105	-.012	-.232	.816	.981	1.019
Yrs in Vol	.004	.003	.059	1.121	.263	.883	1.132
Wkly Miles	-.024	.047	-.030	-.516	.606	.711	1.406
East Vol	.100	.070	.072	1.439	.151	.975	1.026
Working	.178	.080	.130	2.241	.026	.724	1.382
Black	-.059	.138	-.021	-.425	.671	.977	1.023
Hispanic	-.063	.160	-.020	-.394	.693	.964	1.037
Gender	-.089	.071	-.064	-1.251	.212	.918	1.089

Regression Table 5

Explaining Differences in Responses to the Statement: “Mass transit systems like buses and commuter rail are important to me.”

Variables	Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Collinearity Statistics	
	B	Std. Error	Beta			Tolerance	VIF
(Constant)	1.609	.172		9.368	.000		
Unincorp	-.175	.167	-.047	-1.046	.296	.982	1.018
Yrs in Vol	.012	.005	.113	2.380	.018	.895	1.118
Wkly Miles	-.258	.076	-.184	-3.401	.001	.687	1.456
East Vol	-.134	.112	-.054	-1.198	.232	.975	1.026
Working	-.032	.128	-.013	-.253	.801	.707	1.415
Black	.420	.225	.085	1.864	.063	.977	1.023
Hispanic	-.158	.243	-.030	-.648	.517	.964	1.038
Gender	.194	.112	.080	1.731	.084	.931	1.074

Regression Table 6

Explaining Differences in Responses to the Statement: “I am concerned about flooding of Volusia roads when there is heavy rain.”

Variables	Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Collinearity Statistics	
	B	Std. Error	Beta			Tolerance	VIF
(Constant)	1.405	.167		8.388	.000		
Unincorp	-.071	.163	-.020	-.438	.661	.982	1.018
Yrs in Vol	.014	.005	.137	2.838	.005	.899	1.112
Wkly Miles	-.028	.074	-.021	-.375	.708	.688	1.454
East Vol	.034	.109	.014	.313	.754	.977	1.023
Working	-.051	.126	-.022	-.403	.687	.706	1.416
Black	.433	.219	.091	1.978	.049	.977	1.023
Hispanic	.258	.237	.051	1.088	.277	.963	1.039
Gender	.321	.109	.139	2.935	.004	.932	1.073

Regression Table 6 explains the differences in responses to the following statement: “I am concerned about flooding of Volusia roads when there is heavy rain.” Three variables were statistically significant in this model: Years in Volusia, Black and Gender. Long-time residents were more likely to agree or strongly agree that they were concerned about flooding of Volusia County roads. Blacks and women were more likely to agree or strongly agree that they were concerned about flooding of Volusia County roads.

Regression Table 7

Explaining Differences in Responses to the Statement: “I am concerned about the ability of Volusia roads to handle a mass evacuation in the event of a hurricane or other emergency.”

Variables	Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Collinearity Statistics	
	B	Std. Error	Beta			Tolerance	VIF
(Constant)	2.477	.177		13.992	.000		
Unincorp	-.300	.172	-.080	-1.744	.082	.982	1.018
Yrs in Vol	.005	.005	.049	1.035	.301	.898	1.114
Wkly Miles	-.040	.078	-.028	-.505	.614	.690	1.450
East Vol	.284	.115	.113	2.466	.014	.976	1.025
Working	-.374	.132	-.152	-2.827	.005	.709	1.410
Black	.337	.232	.067	1.453	.147	.977	1.023
Hispanic	-.237	.251	-.044	-.944	.345	.963	1.038
Gender	.156	.116	.063	1.350	.178	.931	1.074

Regression Table 7 explains the differences in responses to the following statement: “I am concerned about the ability of Volusia roads to handle a mass evacuation in the event of a hurricane or other emergency.” Three variables were statistically significant in this model: Unincorporated, East Volusia, and Working. Residents who live in unincorporated Volusia were more likely to disagree or strong disagree that they were concerned about the ability of Volusia roads to handle a mass evacuation in the event of an emergency. East Volusia residents were more likely to agree or strong agree that they were concerned about the ability of Volusia roads to handle a mass evacuation in the event of an emergency. Working residents were more likely to disagree or strong disagree that they were concerned about the ability of Volusia roads to handle a mass evacuation in the event of an emergency. Remember that when the variable Working is replaced with Age that we also find that older residents were more likely to agree or strongly

agree that they were concerned about the ability of Volusia County roads to handle a mass evacuation in the event of a hurricane or other emergency.

Comparisons to the 2006 Volusia County Citizen Survey

We now compare responses from this survey with responses to similar or exact questions that were asked in the 2006 Volusia County Citizen Survey.

Traffic Congestion – In the 2006 survey only 37% of residents strongly agreed (5%) or agreed (32%) that “traffic congestion is a problem in Volusia County.” However in the current survey a majority of residents (about 62%) agreed (35%) or strongly agreed (27%) that traffic congestion is a problem for Volusia County. This is a large increase in the percent of residents that think traffic congestion is a problem.

Roads in Good Repair – In the 2006 survey about 79% agreed that “Volusia County roads are generally in good repair” (less than .5% strongly agreed). In the current survey about 70% of residents agreed (56%) or strong agreed (13%) that Volusia County roads are generally in good repair. This is a slight drop from 2006, but a strong majority agreed or strongly agreed each time.

Mass Transit – In the 2006 survey about only about 15% strongly agreed (3%) or agreed (12%) that “mass transit systems like buses and commuter rail are very important to me.” In the current survey about 21% strongly agreed (9.5%) or agreed (11.8%) that mass transit systems were important. This is a small increase but still a small percentage of Volusia residents think mass transit is important.

Building New Roads – In the 2006 survey residents were asked to rate how well Volusia County was doing in building new roads. About 60% rated the job Volusia was doing building new roads as good (57%) or excellent (3%). In the current survey about 74% said that Volusia was doing a good (50%) or excellent (24%) job building new roads to keep up with growth. This is a small increase but in both cases a majority of residents felt Volusia was doing a good or excellent job building new roads.

Road Maintenance – In the 2006 survey about 71% rated Volusia County excellent (6%) or good (65%) in maintaining existing roads. In the current survey about 76% thought Volusia County was doing a good (51%) or excellent (25%) job resurfacing existing roads. There is little change on this question as a strong majority think the county is doing a good or excellent job both times.

Survey and Methodology

This original survey was constructed based on a larger multi-issue Volusia County survey done in 2006, feedback from county officials as to what they were most interested in finding out,

feedback from other members of the Volusia Higher Education Consortium Transportation Project and the education and experience of the researcher. The 21 question telephone survey was conducted in January 2008 by Mid Florida Marketing and Research – a minority (woman owned) Volusia County business. This is an experienced Volusia-based marketing firm that conducted previous Citizen Surveys for Volusia County. Mid Florida Marketing and Research relies on trained, paid experienced workers to collect the survey data. Random digit dialing was used and 475 county residents over the age of 18 responded to the survey. The response rate was approximately 70%. The demographics of the respondents are reasonably close to the demographics of the Volusia County population including race and ethnicity, gender, age and regional distribution. The original survey with instructions and the coding scheme for responses follows on the next page.

Volusia County Transportation Survey 2008

Instructions

Hello, my name is _____ and I'm calling from Mid-Florida Research, right here in Volusia County. We're working for the Volusia County Council to find out what citizens of Volusia County think about transportation issues in Volusia County. We are not trying to sell you anything, but your opinions on transportation issues are very important to the Volusia County Council. Your responses will be kept confidential and reported as part of the entire group surveyed.

Do you have a few minutes to answer our survey? If no ... ask when would be a better time to phone back?

If still reluctant, explain that the Volusia County Council really needs their assistance to provide the best county transportation service possible ... if still reluctant ... thank and hang up.

Are you a Volusia County resident and at least 18 years old? If no ... ask to speak to someone in the household who is a Volusia County resident and who is at least 18 years old.

If another person comes to the phone, then repeat introduction. If there are no Volusia County residents over 18 say thank you for your time and good bye.

If there is a question you do not want to answer, please tell me to skip that question. If you want me to repeat a question, please tell me - okay?

Volusia County Transportation Survey 2008

1. As you know, if you live inside a city there are certain services your city government provides and certain services that county government provides ... this survey is about Volusia County government services only. First, do you live inside or outside the city limits of a town or city?

(Select only one.)

- Inside 0
- Outside 1
- Not sure 99

2. How many years have you lived in Volusia County?

(Select only one.)

- Less than 1 year
- 1 year 2 years 3 years 4 years
- 5 years 6 years 7 years 8 years
- 9 years 10 years 11 years 12 years
- 13 years 14 years 15 years 16 years
- 17 years 18 years 19 years 20 years
- 21 years 22 years 23 years 24 years
- 25 years 26 years 27 years 28 years
- 29 years 30 years 31 years 32 years
- 33 years 34 years 35 years 36 years
- 37 years 38 years 39 years 40 years
- 41 years 42 years 43 years 44 years
- 45 years 46 years 47 years 48 years
- 49 years 50 years 51 years 52 years
- 53 years 54 years 55 years 56 years
- 57 years 58 years 59 years 60 years
- 61 years 62 years 63 years 64 years
- 65 years 66 years 67 years 68 years
- 69 years 70 years 71 years 72 years
- 73 years 74 years 75 years 76 years
- 77 years 78 years 79 years 80 years
- 81 years 82 years 83 years 84 years
- 85 years 86 years 87 years 88 years
- 89 years 90 years Don't know 99

3. Please estimate about how many miles you drive in Volusia County in an average week.

(Select only one.)

- 0 - 25 miles per week 0
- 26 to 100 miles per week 1
- 101 - 200 miles per week 2
- More than 200 miles per week 3
- Don't know/No response 99

4. Please rate how good a job Volusia County is doing in building new roads to keep up with growth.

(Select only one.)

- | | | |
|--------------------------|---------------------------------------|----|
| <input type="checkbox"/> | Excellent (Skip to Q. 5) | 3 |
| <input type="checkbox"/> | Good (Skip to Q. 5) | 2 |
| <input type="checkbox"/> | Fair (Skip to Q. 6) | 1 |
| <input type="checkbox"/> | Poor (Skip to Q. 6) | 0 |
| <input type="checkbox"/> | Don't know/No Response (Skip to Q. 7) | 99 |

5. If respondent rates new road building as excellent or good, ask "how important is it for Volusia County to continue doing a good or excellent job building new roads in the future to keep up with growth?"

(Select only one.)

- | | | |
|--------------------------|--------------------------|----|
| <input type="checkbox"/> | Very Important | 4 |
| <input type="checkbox"/> | Important | 3 |
| <input type="checkbox"/> | Neither Important or Not | 2 |
| <input type="checkbox"/> | Somewhat Important | 1 |
| <input type="checkbox"/> | Not Important | 0 |
| <input type="checkbox"/> | Don't know/No Response | 99 |

6. If respondent rates new road building as fair or poor, ask "how important is it for Volusia County to do a better job building new roads in the future to keep up with growth?"

(Select only one.)

- | | | |
|--------------------------|--------------------------|----|
| <input type="checkbox"/> | Very Important | 4 |
| <input type="checkbox"/> | Important | 3 |
| <input type="checkbox"/> | Neither Important or Not | 2 |
| <input type="checkbox"/> | Somewhat Important | 1 |
| <input type="checkbox"/> | Not Important | 0 |
| <input type="checkbox"/> | Don't know/No Response | 99 |

7. Please rate how good a job Volusia County is doing in resurfacing existing roads.

(Select only one.)

- | | | |
|--------------------------|--|----|
| <input type="checkbox"/> | Excellent (Skip to Q. 8) | 3 |
| <input type="checkbox"/> | Good (Skip to Q. 8) | 2 |
| <input type="checkbox"/> | Fair (Skip to Q. 9) | 1 |
| <input type="checkbox"/> | Poor (Skip to Q. 9) | 0 |
| <input type="checkbox"/> | Don't know/No response (Skip to Q. 10) | 99 |

8. If respondent rates resurfacing existing roads as excellent or good, ask "how important is it for Volusia County to continue doing a good or excellent job resurfacing roads in the future?"

(Select only one.)

- | | | |
|--------------------------|--------------------------|----|
| <input type="checkbox"/> | Very Important | 4 |
| <input type="checkbox"/> | Important | 3 |
| <input type="checkbox"/> | Neither Important or Not | 2 |
| <input type="checkbox"/> | Somewhat Important | 1 |
| <input type="checkbox"/> | Not Important | 0 |
| <input type="checkbox"/> | Don't know/No response | 99 |

9. If respondent rates resurfacing existing roads as fair or poor, ask "how important is it for Volusia County to do a better job resurfacing roads in the future?"

(Select only one.)

- | | | |
|--------------------------|--------------------------|----|
| <input type="checkbox"/> | Very Important | 4 |
| <input type="checkbox"/> | Important | 3 |
| <input type="checkbox"/> | Neither Important or Not | 2 |
| <input type="checkbox"/> | Somewhat Important | 1 |
| <input type="checkbox"/> | Not Important | 0 |
| <input type="checkbox"/> | Don't know/No response | 99 |

10. Please tell me whether you strongly agree, agree, neither agree or disagree, disagree or strongly disagree with the following statement: "Traffic congestion is a problem in Volusia County."

(Select only one.)

- | | | |
|--------------------------|---|----|
| <input type="checkbox"/> | Strongly Agree (Skip to Q. 11) | 4 |
| <input type="checkbox"/> | Agree (Skip to Q. 11) | 3 |
| <input type="checkbox"/> | Neither Agree or Disagree (Skip to Q. 12) | 2 |
| <input type="checkbox"/> | Disagree (Skip to Q. 12) | 1 |
| <input type="checkbox"/> | Strongly Disagree (Skip to Q. 12) | 0 |
| <input type="checkbox"/> | Don't know/No response (Skip to Q. 13) | 99 |

11. If respondent strongly agrees or agrees that traffic congestion is a problem, then ask "how important is it for Volusia County to reduce traffic congestion in the future?"

(Select only one.)

- | | | |
|--------------------------|--------------------------|----|
| <input type="checkbox"/> | Very Important | 4 |
| <input type="checkbox"/> | Important | 3 |
| <input type="checkbox"/> | Neither Important or Not | 2 |
| <input type="checkbox"/> | Somewhat Important | 1 |
| <input type="checkbox"/> | Not Important | 0 |
| <input type="checkbox"/> | Don't know/No response | 99 |

12. If respondent neither agrees or disagrees, disagrees or disagrees strongly that traffic congestion is a problem, then ask "how important is it for Volusia County to keep traffic congestion from becoming a problem in the future?"

(Select only one.)

- | | | |
|--------------------------|--------------------------|----|
| <input type="checkbox"/> | Very Important | 4 |
| <input type="checkbox"/> | Important | 3 |
| <input type="checkbox"/> | Neither Important or Not | 2 |
| <input type="checkbox"/> | Somewhat Important | 1 |
| <input type="checkbox"/> | Not Important | 0 |
| <input type="checkbox"/> | Don't know/No response | 99 |

13. Please tell me whether you strongly agree, agree, neither agree or disagree, disagree or strongly disagree with the following statement: "Volusia County roads are generally in good repair."

(Select only one.)

- | | | |
|--------------------------|---------------------------|----|
| <input type="checkbox"/> | Strongly Agree | 4 |
| <input type="checkbox"/> | Agree | 3 |
| <input type="checkbox"/> | Neither Agree or Disagree | 2 |
| <input type="checkbox"/> | Disagree | 1 |
| <input type="checkbox"/> | Strongly Disagree | 0 |
| <input type="checkbox"/> | Don't know/No response | 99 |

14. Please tell me whether you strongly agree, agree, neither agree or disagree, disagree or strongly disagree with the following statement: "Mass transit systems like buses or commuter rail are important to me."

(Select only one.)

- | | | |
|--------------------------|---------------------------|----|
| <input type="checkbox"/> | Strongly Agree | 4 |
| <input type="checkbox"/> | Agree | 3 |
| <input type="checkbox"/> | Neither Agree or Disagree | 2 |
| <input type="checkbox"/> | Disagree | 1 |
| <input type="checkbox"/> | Strongly Disagree | 0 |
| <input type="checkbox"/> | Don't know/No response | 99 |

15. Please tell me whether you strongly agree, agree, neither agree or disagree, disagree or strongly disagree with the following statement: "I am concerned about flooding of Volusia County roads when there is heavy rain."

(Select only one.)

- | | | |
|--------------------------|---------------------------|----|
| <input type="checkbox"/> | Strongly Agree | 4 |
| <input type="checkbox"/> | Agree | 3 |
| <input type="checkbox"/> | Neither Agree or Disagree | 2 |
| <input type="checkbox"/> | Disagree | 1 |
| <input type="checkbox"/> | Strongly Disagree | 0 |
| <input type="checkbox"/> | Don't know/No response | 99 |

16. Please tell me whether you strongly agree, agree, neither agree or disagree, disagree or strongly disagree with the following statement: "I am concerned about the ability of Volusia County roads to handle a mass evacuation in the event of a hurricane or other emergency."

(Select only one.)

- | | | |
|--------------------------|---------------------------|----|
| <input type="checkbox"/> | Strongly Agree | 4 |
| <input type="checkbox"/> | Agree | 3 |
| <input type="checkbox"/> | Neither Agree or Disagree | 2 |
| <input type="checkbox"/> | Disagree | 1 |
| <input type="checkbox"/> | Strongly Disagree | 0 |
| <input type="checkbox"/> | Don't know/No response | 99 |

17. This last group of questions is about you. The information will not be used to identify you. Remember, it's voluntary: if you do not want to answer a question, just tell me to skip it. We need this information to be sure that we have a good cross section of Volusia County resident. First would you please tell me your zip code?

(Select only one.)

- | | | | | | | | |
|--------------------------|-------|--------------------------|-------|--------------------------|---------|--------------------------|-------|
| <input type="checkbox"/> | 32102 | <input type="checkbox"/> | 32105 | <input type="checkbox"/> | 32110 | <input type="checkbox"/> | 32114 |
| <input type="checkbox"/> | 32115 | <input type="checkbox"/> | 32116 | <input type="checkbox"/> | 32117 | <input type="checkbox"/> | 32118 |
| <input type="checkbox"/> | 32119 | <input type="checkbox"/> | 32120 | <input type="checkbox"/> | 32121 | <input type="checkbox"/> | 32122 |
| <input type="checkbox"/> | 32123 | <input type="checkbox"/> | 32124 | <input type="checkbox"/> | 32125 | <input type="checkbox"/> | 32126 |
| <input type="checkbox"/> | 32127 | <input type="checkbox"/> | 32128 | <input type="checkbox"/> | 32129 | <input type="checkbox"/> | 32130 |
| <input type="checkbox"/> | 32132 | <input type="checkbox"/> | 32136 | <input type="checkbox"/> | 32141 | <input type="checkbox"/> | 32168 |
| <input type="checkbox"/> | 32169 | <input type="checkbox"/> | 32170 | <input type="checkbox"/> | 32173 | <input type="checkbox"/> | 32174 |
| <input type="checkbox"/> | 32175 | <input type="checkbox"/> | 32176 | <input type="checkbox"/> | 32180 | <input type="checkbox"/> | 32190 |
| <input type="checkbox"/> | 32198 | <input type="checkbox"/> | 32706 | <input type="checkbox"/> | 32713 | <input type="checkbox"/> | 32720 |
| <input type="checkbox"/> | 32721 | <input type="checkbox"/> | 32722 | <input type="checkbox"/> | 32724 | <input type="checkbox"/> | 32725 |
| <input type="checkbox"/> | 32728 | <input type="checkbox"/> | 32738 | <input type="checkbox"/> | 32739 | <input type="checkbox"/> | 32744 |
| <input type="checkbox"/> | 32753 | <input type="checkbox"/> | 32754 | <input type="checkbox"/> | 32759 | <input type="checkbox"/> | 32763 |
| <input type="checkbox"/> | 32764 | <input type="checkbox"/> | 32774 | <input type="checkbox"/> | Refused | | |

18. What region of the county is the zip code located? (DO NOT ASK – use zipcode information from question #17).

(Select only one.)

- | | | |
|--------------------------|---------|---|
| <input type="checkbox"/> | Deltona | 0 |
|--------------------------|---------|---|

- North East 1
- North West 2
- South East 3
- South West 4

19. What is your current employment status?

(Select only one.)

- Employed full time (Skip to Q. 20) 4
- Employed part time (Skip to Q. 20) 3
- Unemployed looking for work (Skip to Q. 21) 2
- Unemployed not looking for work (i.e. housewife, student, disabled) (Skip to Q. 21) 1
- Retired (Skip to Q. 21) 0
- Refused (Skip to Q. 21) 99

20. Do you work in Volusia County

(Select only one.)

- Yes 1
- No 0

21. Into what age group do you fall?

(Select only one.)

- 18 – 29 0
- 30 – 39 1
- 40 – 64 2
- 65 or older 3
- Refused 99

22. Would you mind telling me what racial or ethnic group you are part of?

(Select only one.)

- Caucasian/White 0
- African American/Black 1
- Hispanic 2
- Asian/Pacific Islander 3
- Native American 4
- Other 5
- Refused 99

23. Gender of respondent?

(Select only one.)

- Male 0
- Female 1