

South Jersey Transportation Planning Organization (SJTPO) Survey

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Background, Purpose and Methodology

The South Jersey Transportation Planning Organization (SJTPO) is the designated Metropolitan Planning organization for Atlantic County, Cape May County, Cumberland County and Salem County, New Jersey. As such, the SJTPO has oversight responsibility for all federally funded surface transportation planning activities in the region.

The public involvement program for *SJTPO 2025 Regional Transportation Plan, June 2004* included two focus groups and two surveys. Separate focus groups were conducted to discuss safety and freight. As for the surveys, one was conducted among the South Jersey Traffic Safety Alliance (SJ TSA) and the second was conducted among the SJTPO Policy Board and the Technical Advisory Committee. In order to gain insight into the public's perceptions of the issues and concerns that were expressed during these previous research efforts, the SJTPO commissioned WB&A Market Research to conduct a telephone opinion survey among area residents that would present meaningful information for the SJTPO 2030 regional plan update. The results of this survey will also be fed back into a process called "Scenario Planning," a process in which transportation planning professionals and citizens work together to analyze and shape the long-term future of their communities.

Completed Surveys							
	Unweighted			Weighted			
County	Male	Female	Total	Male	Female	Total	Weighting Factor
Atlantic	100	101	201	180	181	361	1.796
Cape May	100	100	200	73	73	145	.725
Cumberland	101	101	202	101	101	201	.995
Salem	100	100	200	48	48	96	.480
TOTAL:	401	402	803	401	402	803	

All respondents were screened to ensure the following:

- At least 18 years or older and one of the heads of the household; and
- Resident of Atlantic, Cape May, Cumberland, or Salem County;

Calls were made from March 14 - April 10, 2007 by WB&A Market Research, Taurus Market Research and Third Power Market Development from which a total of 803 telephone surveys were completed. The data was weighted to reflect the proportion of households in each County as reported in the 2000 census: Atlantic 45%, Cape May 18%, Cumberland 25%, and Salem 12%. The survey was translated to Spanish to also allow for surveying in this language.

What follows are the results of the SJTPO Study.

Note: All percentages have been weighted. However, n sizes shown on the charts and tables reflect the actual unweighted number of respondents.

Standard Error of the Data

In research, because the entire population is typically not interviewed but rather a sample of that population is surveyed, the data are subject to sampling error. The maximum sampling error of the data for the sample of 803 interviews is ± 3.5 percentage points at the 95% confidence level. However, depending upon the data being examined, the fluctuation may differ. Standard errors are shown below for various study percentages, at the 95% confidence level:

If the data are around:	50%	40% or 60%	30% or 70%	20% or 80%	10% or 90%	1% or 99%
Then, the standard error in percentage points would be:						
Total Sample n=803	± 3.5	± 3.4	± 3.2	± 2.8	± 2.1	± 0.7
Per County n=200	± 6.9	± 6.8	± 6.4	± 5.5	± 4.2	± 1.4

For example, if a question asked of the Total Sample yielded a percentage of 20%, then we can be sure 95 out of 100 times that the true percentage would lie between 17.2% and 22.8% (20% ± 2.8 percentage points).

Upon completion, the surveys were edited, coded, keypunched and the data were then computer cross-tabulated. All of the study percentages have been rounded to the nearest whole percentage.

EXECUTIVE SUMMARY

Executive Summary

Background, Purpose and Methodology

The South Jersey Transportation Planning Organization commissioned WB&A Market Research to conduct a survey among Salem County, Atlantic County, Cumberland County, and Cape May County residents in order to better understand the public's perceptions of the area transportation system.

The study was conducted via a telephone survey from March 14 - April 10, 2007 by WB&A Market Research, Taurus Market Research and Third Power Market Development from which a total of 803 telephone surveys were completed. The data was weighted to reflect the proportion of households in each County as reported in the 2000 census: Atlantic 45%, Cape May 18%, Cumberland 25%, and Salem 12%. The survey was translated to Spanish to also allow for surveying in this language.

Key Findings

Overall, the results of this research reflect only **marginal satisfaction with the transportation system** in Southern New Jersey – which varies somewhat by county. Specifically Salem County residents appear to have the least concern about transportation issues, while **congestion** is a significant issue to those in Atlantic County overall and Cape May County on summer weekends. The research also suggests that the **condition of the roads, and a perceived lack of public and alternative transportation** are bigger issues to South Jersey residents than poor traffic signal operations.

- The vast majority of respondents (89%) indicated that the transportation system in their area needs at least some minor changes in order to maintain economic growth in the next 5 to 10 years. In fact, almost one-half (45%) said it needs some major changes.
- Specifically, less than four in ten South Jersey residents overall indicated that they are satisfied with their area's transportation system (37% rated 4 or 5 on a 5-point scale), while a similar proportion said they are dissatisfied (33% rated 1 or 2). The highest level of satisfaction is among those in Salem County (44% vs. 30%-39%). Important to note, the transportation system was defined to include not only public transportation, but also roads, sidewalks, bridges, etc.
 - When asked to explain their dissatisfaction, the most commonly cited reasons were a lack of public transportation where they live (29%), a need for better road maintenance (27%), and a need for more buses or expanded bus service (24%). In addition, among Atlantic County residents the level of traffic and congestion was a top reason for being dissatisfied (30%).

Concerning **congestion**, the majority of South Jersey residents (75%) feel this is at least a minor problem overall, if not worse. In fact, one-third (32%) said it is a major problem. This issue worsens only slightly when talking specifically about weekends (up from 32% to 38% saying it is a major problem), but worsens significantly when talking about summer weekends (up from 32% to 60% major problem).

Key Findings (continued)

- Overall, commuters represent 56% of the total sample of respondents. When discussing the issue of congestion with commuters, close to six in ten (59%) said they always or sometimes experience congestion on their way to work or school. However, it is interesting to note that South Jersey residents are even more likely to say they experience congestion when they are driving for reasons *other* than work or school (71% always or sometimes).
- Even given the perceptions of congestion, the majority of commuters actually feel their commute time is reasonable (73% rated 4 or 5 on a 5-point scale). Specifically, the median commute reported is 23 minutes and 12 miles.

By county, congestion appears to be the biggest problem in Atlantic County on an overall level (44% major problem vs. 15%-28% in the other counties). In addition, Atlantic County commuters are the most likely to say they always experience congestion on the way to work or school (27% vs. 14%-17% in the other counties). Notably, Atlantic County residents are the least likely to say their commute time is reasonable, given the distance they are traveling (65% vs. 73%-86% of other county residents).

- Conversely, **Salem County residents are the least likely to feel congestion is a problem** overall (49% not a problem vs. 15%-28% in the other counties). In addition, Salem County residents are the least likely to say they experience congestion on their way to or from work (59% of commuters rarely or never experience congestion vs. 33%-48% in the other counties) or while traveling for purposes other than work or school (48% rarely or never vs. 24%-28% in the other counties).
 - Interestingly, Salem County commuters are the most likely group to commute outside their county boundary for work or school (52% vs. 22%-29% of commuters in the other counties). They are also among the most likely to say their commute time is reasonable (86%).
- **Cape May County appears to suffer the greatest impact of increased congestion on weekends**, particularly during the summer. Specifically, the proportion of Cape May County residents who feel congestion is a problem increases from 28% to 44% when shifting the discussion to weekend traffic. And, when focusing specifically on *summer* weekends, this proportion doubles (88% major problem).
 - In fact, when work commuters were asked if they experience increased congestion during the summer, all (100%) of those in Cape May County said yes (compared to 62%-81% in the other counties).
 - Overall, South Jersey residents most often define congestion as an increased number of cars or increased traffic (62%). However, Cape May County residents are the most likely in the area to define congestion as multiple issues including increased cars (74%), increase in travel time (32%), decrease in speed (31%) and/or increased time at an intersection (30%).

Executive Summary (continued)

Key Findings (continued)

The **condition of roads and highways**, particularly local roads is also a significant issue among South Jersey residents.

- Specifically, the respondents gave mediocre ratings for the condition of state roads and highways (53% positive, rated as 4 or 5 on a 5-point scale), and even less positive ratings for the condition of local roads (41% positive).
- In comparison, the operation of traffic signals appears to be less of an issue (64% positive), but still shows room for improvement. In fact, more than one-half (51%) indicated that better traffic signal timing would improve their area's transportation system (rated as 8-10 on a 10-point scale).
- Interestingly, Salem County residents were the most likely of the South Jersey residents to give positive ratings for traffic signal operations (73% vs. 61%-64% of those in other counties) and the condition of local roads (50% vs. 35%-44%), which supports the idea that they are the county that is least concerned with transportation issues – possibly they have less to be concerned about. In fact, they were the least likely to say that any of the 20 improvement strategies presented would improve the area's transportation system.

The results of this research suggest that most South Jersey residents **drive their own cars** to get around, but would be **open to more and better options for public and alternative modes of transportation**. However, getting people to actually use public transportation can be a hurdle, as evidenced by Atlantic County residents.

- Many South Jersey residents feel they have very few travel mode options to meet their travel needs (53%) and there is a significant level of dissatisfaction with the choices for alternative modes of transportation such as carpooling, public transportation, biking, walking and sidewalks (41% satisfied, but 32% dissatisfied).
 - In fact, overall these respondents were more likely to give negative ratings for the public transportation system in their area (47% rated as 1 or 2 on a 5-point scale) than they were to give positive ratings (37% rated as 4 or 5).
- Notably, the vast majority of respondents (92%) said they **typically drive a car alone** to commute to work or school.
 - This propensity to drive a personal vehicle was fairly consistent across the four counties, even though Atlantic County residents are more likely than others to feel they have many different travel mode choices (54% vs. 32%-40%), more likely to be satisfied with the choices for alternative modes of transportation (48% vs. 32%-28%) and more likely to give positive ratings for the public transportation system (46% vs. 24%-34%).
 - In general, there appears to be little reported use of public transportation (6%) or other alternative transportation modes (5% or less).

Executive Summary (continued)

Key Findings (continued)

While most South Jersey households (96%) have at least one driver, a significant proportion (42%) do have non-drivers in the household. Most often this non-driver is someone who is too young to drive (30%); however, about one in ten have non-drivers who are old enough to drive but do not have a driver's license (11%) and/or do not own a car (9%). And, one in twenty have non-drivers who are elderly (5%) and/or physically disabled (5%). Regardless of reason, most of these non-drivers ride with someone else when they need to go somewhere.

- However, the research suggests that the **South Jersey residents are open to the idea of getting out of their cars**. Specifically, out of 20 possible strategies to improve their area's transportation system, designing communities that make it easier for people to walk and bike to stores, schools and other public facilities and other neighborhoods (58% said this would improve the system) and improving and expanding bus services (55% said would improve) ranked second and third only after providing better road maintenance (59% said would improve).

In sum, **addressing transportation problems is a significant issue among many South Jersey residents**. When asked to rate the importance of eight issues facing their area in the next 5 to 10 years, the issue of maintaining and improving the system of roads and highways (85% important, rated 4 or 5) ranks second in importance only to cleaning and protecting the environment (86%).

- In fact, almost four in ten (38%) said they would support a small tax increase such as sales, gas payroll or property tax if they new the revenue raised would go solely towards transportation related projects.

Often times, proving that an effort is being made is half the battle toward improving impressions. Currently, familiarity with SJTPO is very limited, with only about one-fourth of the respondents (24%) saying they are at least somewhat familiar with the organization. Perhaps making people more aware of SJTPO and its functions could help area residents feel that efforts to improve are underway.

**DETAILED FINDINGS:
Demographic and Employment Characteristics of Respondents**

Respondent Characteristics

The South Jersey residents surveyed were screened to represent a mix of males (50%) and females (50%).

In terms of age, the typical South Jersey resident surveyed was an average of 54 years old (mean of 53.7 years).

- Residents of Cape May County reported the highest average age in the region (55.9 years).

Respondent Characteristics						
		Total	Atlantic	Cape May	Cumberland	Salem
Gender	n=	(803)	B	C	D	E
Male		50%	50%	50%	50%	50%
Female		50	50	50	50	50
Age¹	n=	(787)	(195)	(195)	(197)	(200)
18-24		2%	3%	1%	3%	2%
25-34		8	9	5	10 _c	10 _c
35-44		18	21 _E	14	19	13
45-54		24	23	33 _{BD}	21	25
55-64		21	23	17	21	19
65-74		15	12	16	16	17
75 or older		11	10	13	9	12
Mean (years)		53.7	52.9	55.9 _{BD}	52.9	54.7
Median (years)		52.8	52.3	53.2	52.6	53.7

Base = Total Sample

¹Base = Those answering

Letters indicate significant differences at the 95% confidence level.

S4. Gender

D3. What is your age?

Respondent Characteristics (continued)

While the majority of survey respondents are Caucasian (78%), close to one-fourth (22%) are minorities, most often including those who are Black/African-American (11%) or Hispanic (6%).

- Notably, respondents from Cumberland County (34%) are the most likely to be from a minority group, while those from Cape May County are the least likely (6%).

The median household income of the respondents is \$58,300.

- Specifically, respondents from Cape May County (\$64,400), Atlantic County (\$63,200) and Salem County (\$59,900) reported higher median household incomes than those in Cumberland County (\$44,600).

Respondent Characteristics (continued)					
	Total	Atlantic	Cape May	Cumberland	Salem
Race or Ethnic Background n=	(778)	B	C	D	E
White or Caucasian	78%	78% _D	94% _{BDE}	66%	82% _D
Net: Minority	22	22 _C	6	34 _{BCE}	18 _C
Black or African-American	11	10 _C	2	18 _{BCE}	11 _C
Hispanic	6	6 _{CE}	2	11 _{CE}	2
Native American	1	2	1	1	2
Asian or Asian-American	1	2	-	-	1
Pacific Islander	<1	-	-	1	-
Other	3	3	1	4	3
Total Household Income n=	(660)	(166)	(165)	(163)	(166)
Less than \$15,000	6%	5%	2%	10% _C	8% _C
\$15,000 to less than \$25,000	9	8	7	12	7
\$25,000 to less than \$35,000	11	10	11	15	9
\$35,000 to less than \$50,000	17	16	16	20	18
\$50,000 to less than \$75,000	21	22	24	17	20
\$75,000 to less than \$100,000	16	18	16	12	16
\$100,000 to less than \$150,000	15	18 _D	14	10	16
\$150,000 to less than \$200,000	3	1	6 _B	2	4
\$200,000 or more	2	2	4	1	2
Mean (\$000)	68.7	71.2 _D	77.1 _D	57.2	69.8 _D
Median (\$000)	58.3	63.2	64.4	44.6	59.9

Base = Those answering

Letters indicate significant differences at the 95% confidence level.

D4. What is your race or ethnic background?

D5. Please stop me when I reach the category that includes your total annual household income for 2006.

Respondent Characteristics (continued)

The vast majority of area residents (95%) said that someone in their household owns or leases at least one vehicle, with the average being about two per household.

On average, these residents have lived in the area for about 23 years.

- Specifically, residents of Salem County (55%) and Cumberland County (47%) tended to be more likely than those in Atlantic County (38%) or Cape May County (36%) to say they have lived in the area for more than 30 years.

Respondent Characteristics (continued)					
	Total	Atlantic	Cape May	Cumberland	Salem
		B	C	D	E
Household Vehicles Owned or Leased n=	(798)	(200)	(199)	(200)	(199)
None	5%	6%	5%	7%	4%
One	28	31 _E	26	28	21
Two	35	32	40	35	37
Three	20	19	19	22	22
Four or more	12	13	11	9	16 _D
Mean (# vehicles) ¹	2.2	2.1	2.2	2.2	2.4 _{BC}
Median (# vehicles) ¹	2.0	2.0	2.0	2.0	2.0
Years Lived in Area n=	(800)	(200)	(200)	(200)	(200)
Less than 1 year	2%	2%	1%	1%	2%
1 to 2 years	4	6 _E	3	4	2
3 to 5 years	7	7	8	6	7
6 to 10 years	11	12	12	13 _E	6
11 to 20 years	15	15	20	14	13
21 to 30 years	18	20	22 _E	16	14
More than 30 years	42	38	36	47 _C	55 _{BC}
Mean (years)	23.1	22.1	22.4	24.0	25.7 _{BC}
Median (years)	26.1	24.7	24.1	28.3	30.9

Base = Those answering

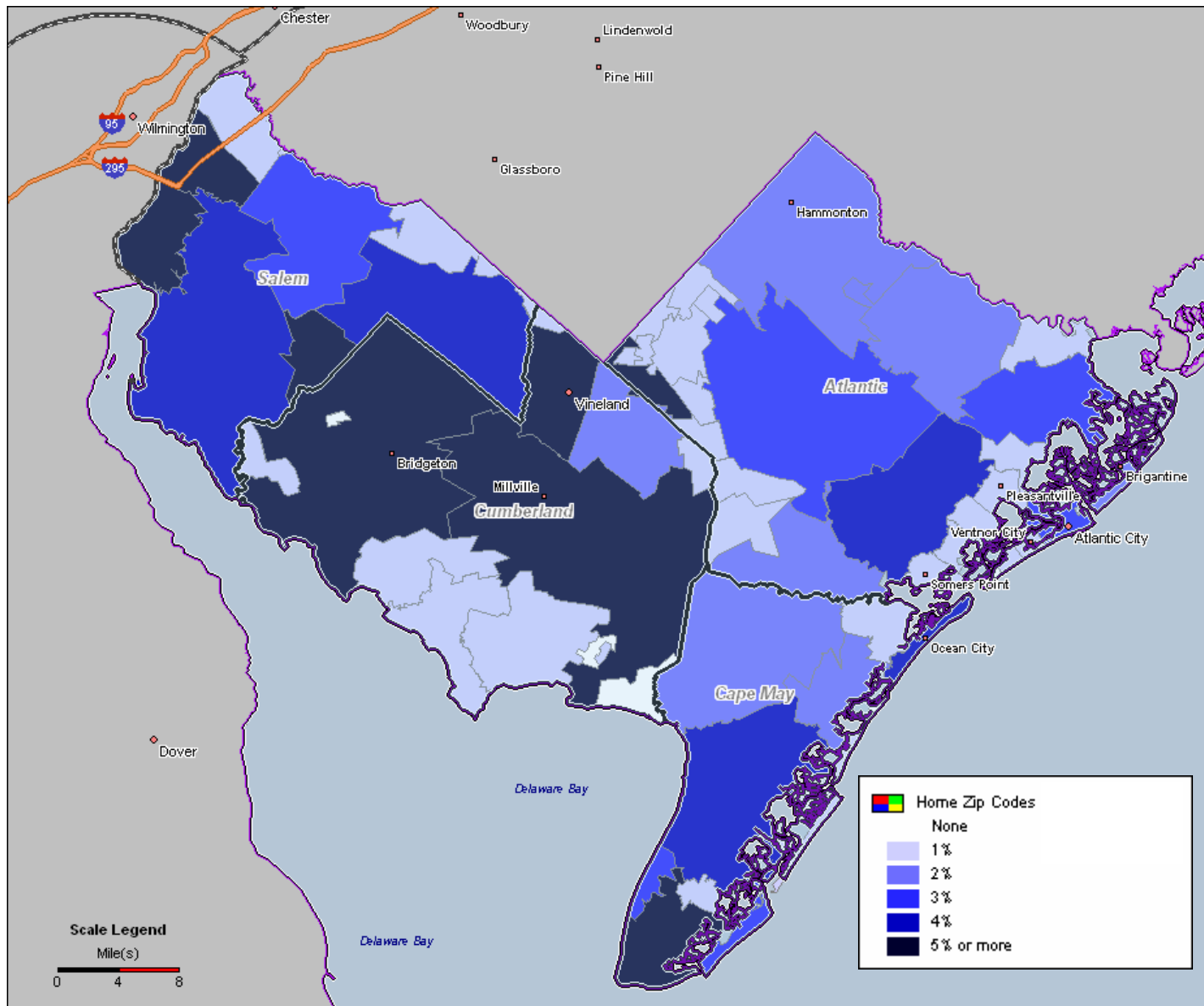
¹Base = Those who own or lease any vehicles

Letters indicate significant differences at the 95% confidence level.

D6. How many vehicles do you or does anyone else living in your household either own or lease?

D2. How many years have you lived in your area?

Home Zip Codes



Base = Total Sample (n=803)
S3. What is your home zip code?

Employment Status

In terms of their employment status, about six in ten of the respondents are employed (58%), with 50% being employed full-time and 8% being employed part-time. The next largest group of the respondents are retired (29%).

- These proportions were relatively similar across the four counties surveyed.

Employment Status, by County						
	Total	Atlantic	Cape May	Cumberland	Salem	
	n=	(803)	B (201)	C (200)	D (202)	E (200)
Net: Employed	58%	57%	58%	57%	62%	
Employed full-time	50	49	52	50	52	
Employed part-time	8	8	6	7	11	
Retired	29	26	33	31	32	
A full-time homemaker	4	6 _c	2	2	3	
Unemployed and looking for a job	4	4	3	5	2	
Unemployed and not looking for a job	3	3	2	1	2	
On temporary leave from your job	2	1	3	3	1	
A full-time student	1	2	-	2	<1	
Refused	1	1	2	1	-	

Base = Total Sample

Multiple Responses Accepted

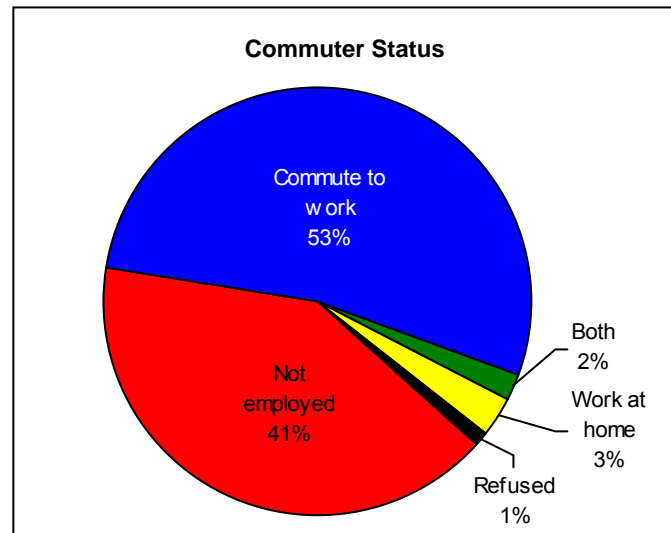
Letters indicate significant differences at the 95% confidence level.

Q6. Are you...?

Commuter Status

The respondents were then asked if they commute to work or work at home.

- More than one-half of all the respondents (54%) work outside the home, while a small percentage working solely at home (3%).
- The proportion who work outside the home was fairly even across the four counties.



Base = Total Sample (n=803)

Commuter Status, by County					
	Total	Atlantic	Cape May	Cumberland	Salem
		B	C	D	E
n=	(803)	(201)	(200)	(202)	(200)
Net: Work outside of home	54%	54%	54%	54%	58%
Commute to workplace outside of home	53	52	51	53	56
Both	2	1	3	1	1
Work at home	3	3	4	2	4
Not employed	41	42	41	42	37
Refused	1	1	2	1	-

Base = Total Sample

Letters indicate significant differences at the 95% confidence level.

Q7. Do you usually commute to a workplace outside your home, or do you usually work at home?

County of Employment/School

Respondents who commute to a location outside of their home for work or school (i.e., “commuters” representing 56% of the Total Sample) were asked to name the county where their work or school is located.

- Overall, Atlantic County tended to be the most common place of work/school (38% of Total Sample). Cumberland County followed with 19% of all respondents working there, then Cape May County (14%) and Salem County (7%).
- Out of the four counties, Salem County has the largest proportion of residents who commute outside their county boundary for work/school (52% vs. 22%-29%).

County of Employment/School, by County					
	Total	Atlantic	Cape May	Cumberland	Salem
	n= (448)	(111)	(108)	(113)	(116)
Atlantic County	38%	76% ^{CD}	11%	10%	-%
Cumberland County	19	2	1	70 ^{BCE}	6 ^C
Cape May County	14	2	73 ^{BDE}	3	1
Salem County	7	-	1	4	47 ^{CD}
Camden County	3	5	1	2	5
Gloucester County, PA	2	-	-	2	16 ^D
Newcastle, DE	1	-	-	-	9
Delaware County	1	1	-	2	2
It varies/All over	6	8	7	4	4
Don't know/Refused	1	2	1	1	1

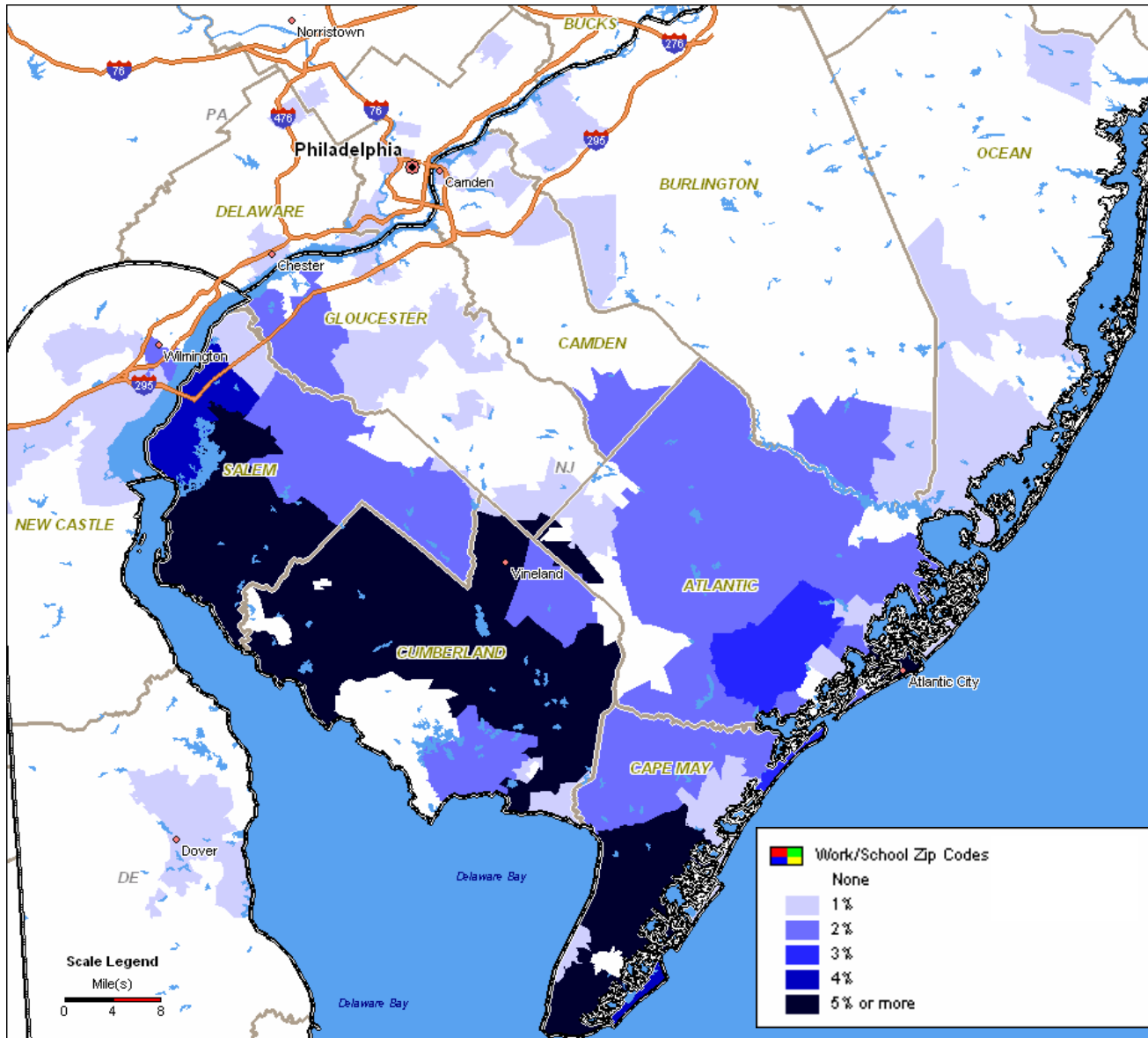
Base = Those employed who commute to a location outside home/Students

Top Mentions

Letters indicate significant differences at the 95% confidence level.

Q10. In what county do you work/go to school?

Work/School Zip Codes

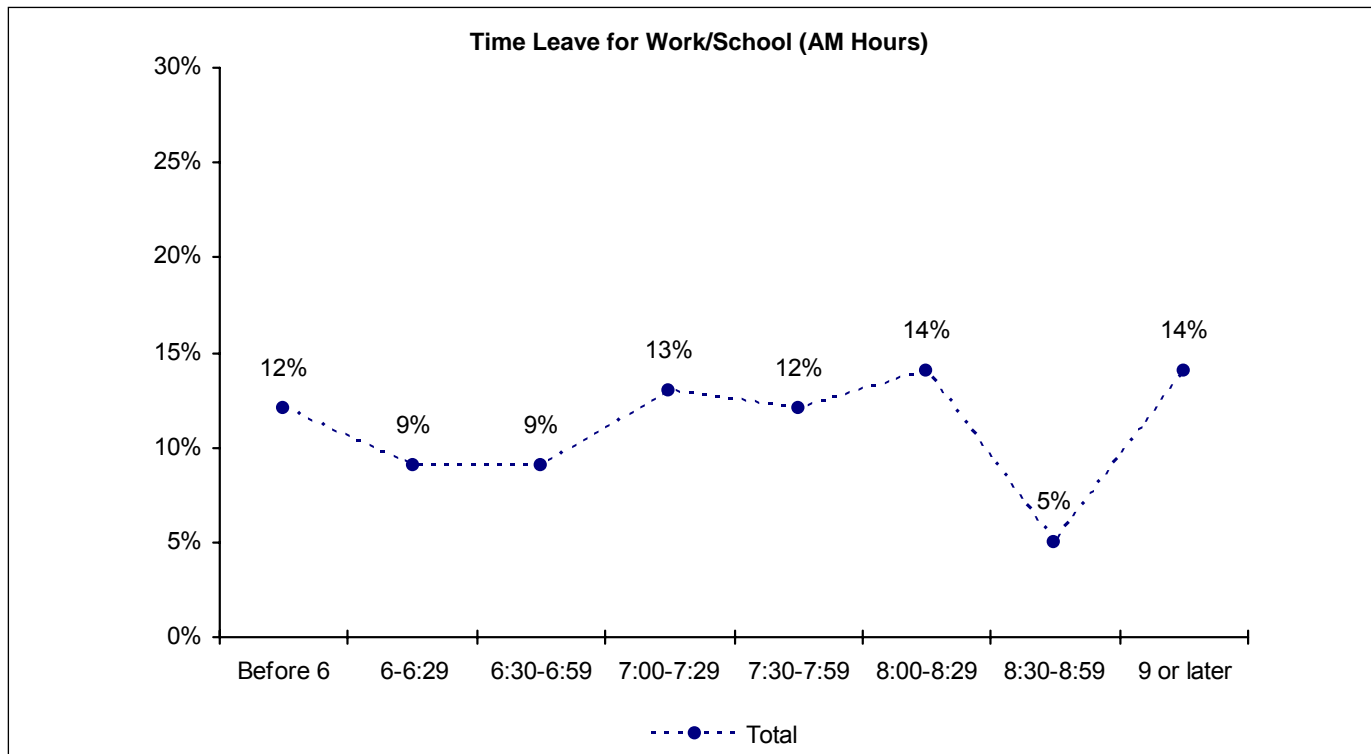


Base = Those employed who commute to a location outside home/Students (n=448)
 Q9. In what zip code do you work/go to school?

Time Leave for Work/School

Commuters were asked at what time they typically leave their home for work/school.

- In general, the time respondents leave their home for work/school is spread fairly evenly across the morning hours. However, there is a sharp decline during the time range of 8:30 to 8:59 am (5%).



Base = Those employed who commute to a location outside home/Students (n=448)

Refused/Don't know = 2%

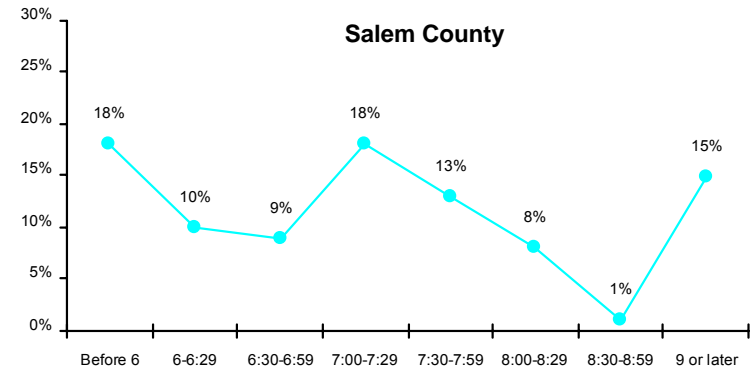
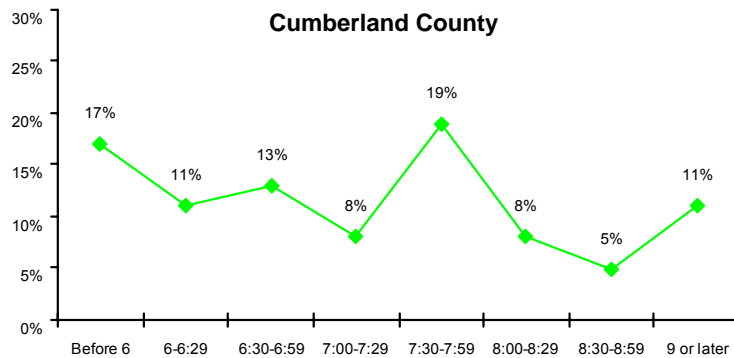
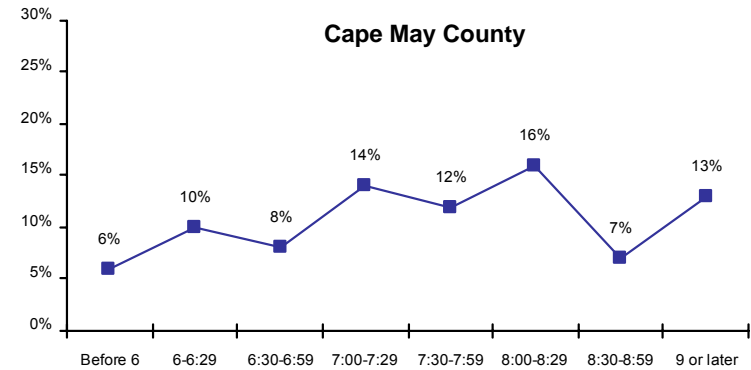
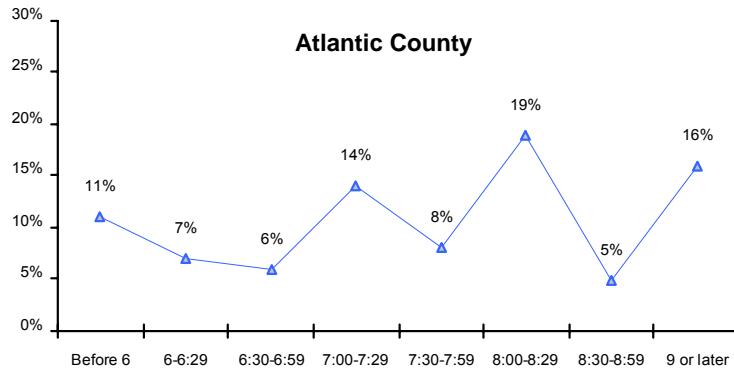
No set time/It varies = 10%

Q8. At what time do you typically leave home for work/school?

Time Leave for Work/School (continued)

The times commuters tend to leave home in the morning vary by county.

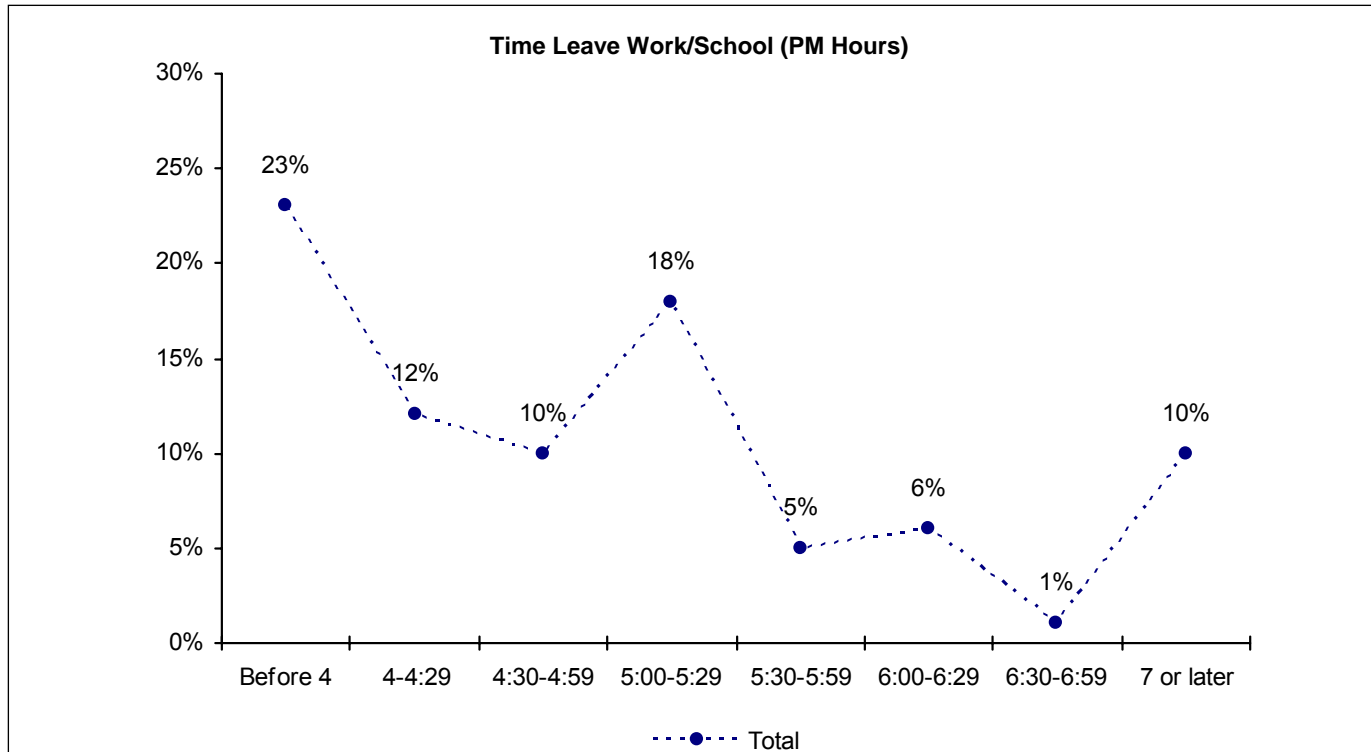
- In Atlantic County, the peak times are 8:00-8:30 am and 9:00 am or later. In Cumberland County, the peak time is 7:30-7:59 am. In Salem County, the peak times are before 6:00 am, 7:00-7:29 am and 9am or later.
- Cape May County tends to show the most evenly distributed start times.



Time Leave Work/School

Commuters were next asked at what time they typically depart **from** work/school.

- The most common times to depart work/school are before 4 pm (23%) and 5:00-5:29 pm (18%). The proportion departing work/school declines sharply after 5:30 pm and into the 6:00 pm hour, with a slight increase after 7:00 pm.



Base = Those employed who commute to a location outside home/Students (n=448)

Refused/Don't know = 2%

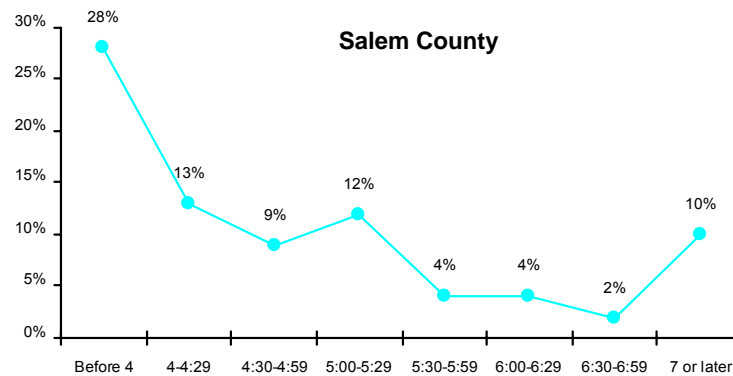
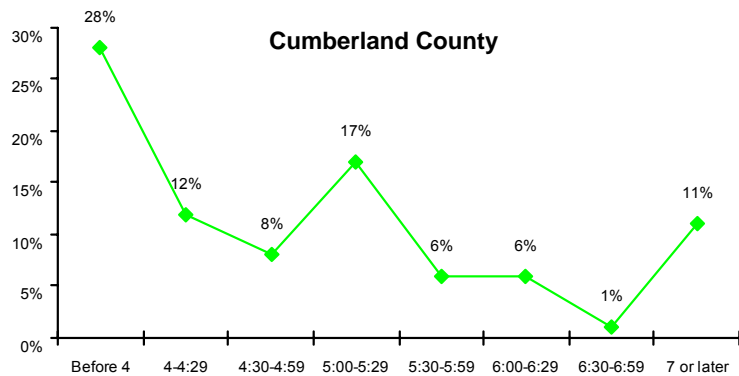
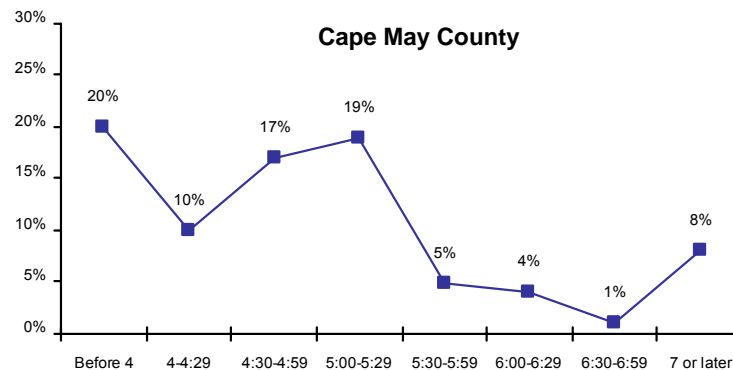
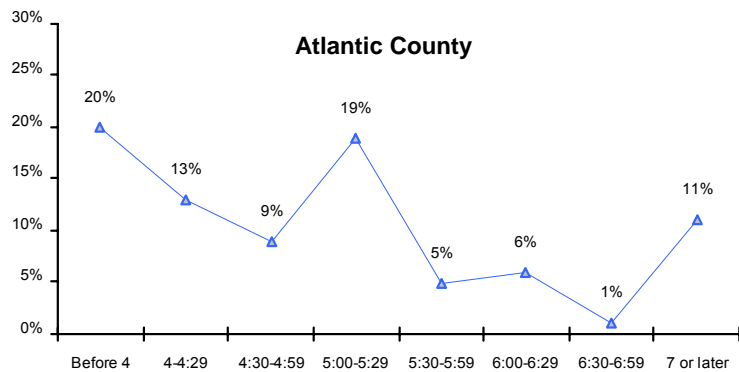
No set time/It varies = 13%

Q8A. At what time do you typically leave work/school?

Time Leave Work/School (continued)

The times commuters tend to return home after work or school are fairly consistent across the four counties.

- The only notable difference is a slight increase in commuting from 4:30-4:59 pm among Cape May County commuters as compared to the other three counties.



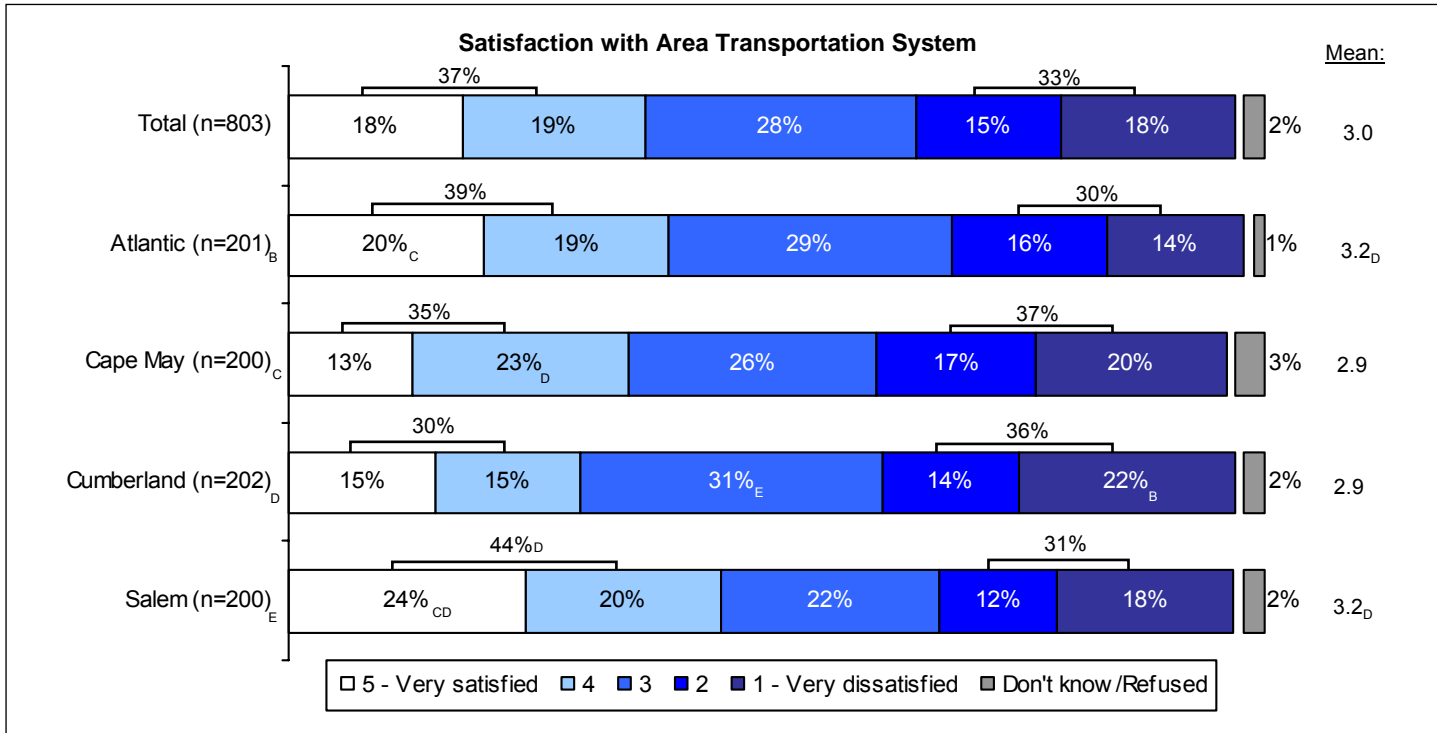
**DETAILED FINDINGS:
Impressions of Area Transportation System**

Satisfaction with Area Transportation System

All respondents were asked to rate how satisfied they are with the transportation system in their area, using a scale from 1 to 5 where a 5 means they are very satisfied and a 1 means they are very dissatisfied. The transportation system was defined to include roads, buses, sidewalks, bridges, etc.

- Overall, less than four in ten respondents (37%) said they are satisfied (rated a 4 or 5). In fact, a similar proportion (33%) said they are dissatisfied (rated a 1 or 2).
- Across the four counties, those in Salem County are the most likely to be satisfied with the transportation system in their area (44% rated 4 or 5), while those in Cumberland County are the least likely to be satisfied (30%).

Interestingly, the longer a respondent has resided in the area, the less satisfied they tend to be with the area transportation system. Specifically, about one in four of those who have lived in the area more than 30 years are dissatisfied (38%), compared to 30% of those who have lived in the area 11 to 30 years, and 28% of those who have been a resident 10 years or less.



Base = Total Sample

Letters indicate significant differences at the 95% confidence level.

Q1. Please rate how satisfied you are with the transportation system in your area, using a scale from 1 to 5 where a 5 means you are very satisfied and a 1 means you are very dissatisfied.

Satisfaction with Area Transportation System (continued)

Those satisfied with the transportation system in their area (37% of Total Sample) were then asked to explain why they are satisfied.

- Overall, the reasons varied but most often included that the roads are well maintained (19%), the transportation system is satisfactory (19%), they can get where they need to go (15%), there is good bus service (12%) and/or there is not a lot of traffic or congestion (12%).
- Interestingly, even though they are satisfied, four in ten of these respondents (40%) offered complaints or suggestions for improvement, most often that the roads need better maintenance (9%) and/or that the roads are too congested (7%).

Reasons for Satisfaction with Area Transportation System, by County					
	Total	Atlantic	Cape May	Cumberland	Salem
		B	C	D	E
n=	(298)	(79)	(70)	(61)	(88)
Net: Positive	72%	75%	67%	70%	72%
Roads are in good shape/Well maintained	19	19	21	15	25
Transportation system is fine/satisfactory	19	22	17	13	22
Offer sufficient roads/Can get to wherever I want to go	15	11	20	20	11
Good bus service	12	14	11	13	6
There's not a lot of traffic/congestion	12	13	11	10	10
Buses are reliable/Run on schedule	5	8	1	5	3
Offer sufficient public transportation	5	5	4	7	6
Good sidewalks/walkways	4	1	4	8	9 _B
Net: Negative	40	38	50	39	38
Roads can use work/Need better maintenance	9	9	10	10	9
Traffic/Roads are too congested/Need more alternative routes	7	9	4	5	5
Need more buses/Expanded bus	6	3	13 _B	7	10 _B
Need more sidewalks	5	8	1	3	6
Don't have experience with public transportation	7	5	7	11	10

Base = Those satisfied with the area transportation system
 Multiple Responses Accepted, Top Mentions
 Letters indicate significant differences at the 95% confidence level.
 Q1A. Why do you say that?

Satisfaction with Area Transportation System (continued)

Those dissatisfied with the transportation system in their area (33% of Total Sample) were then asked to explain why they are dissatisfied.

- Overall, the most frequent explanations included that there is no public transportation where they live (29%), the roads need better maintenance (27%), there is a need for more buses or expanded bus service (24%), roads are too congested (18%), there is a need for more sidewalks (16%) and/or there are not enough public transportation options (14%).
- Notably, those in Atlantic County were more likely than those in the other counties to say the roads are too congested (30% vs. 8%-11%) and those in Cumberland County tended to be more likely than others to say there is a need for expanded bus service (34% vs. 15%-27%) and/or a need for more transportation for the elderly or disabled (10% vs. 1%-3%).

Reasons for Dissatisfaction with Area Transportation System, by County					
	Total	Atlantic	Cape May	Cumberland	Salem
	n=	B	C	D	E
No public transportation where I live	(269) 29%	(61) 31%	(73) 23%	(73) 32%	(62) 26%
Roads can use work/Need better maintenance	27	30	21	26	27
Need more buses/Expanded buses	24	15	27	34 _B	27
Traffic/Roads are too congested	18	30 _{CDE}	11	10	8
Need more sidewalks	16	16	14	16	16
Not enough public transportation options	14	8	19	18	13
Roads need to be widened/More lanes	7	8	10	4	6
Bridges are closed down/Need more bridges	6	7	15 _E	-	2
Bridges are falling apart/Need better maintenance	5	7	7	3	2
Doing too much construction/Construction takes too long to get finished	5	7	5	1	3
Need a rail system/More trains	4	3	5	5	5
Need to have more transportation for the elderly/disabled	4	2	1	10 _{BC}	3

Base = Those dissatisfied with the area transportation system
 Multiple Responses Accepted, Top Mentions
 Letters indicate significant differences at the 95% confidence level.
 Q1A. Why do you say that?

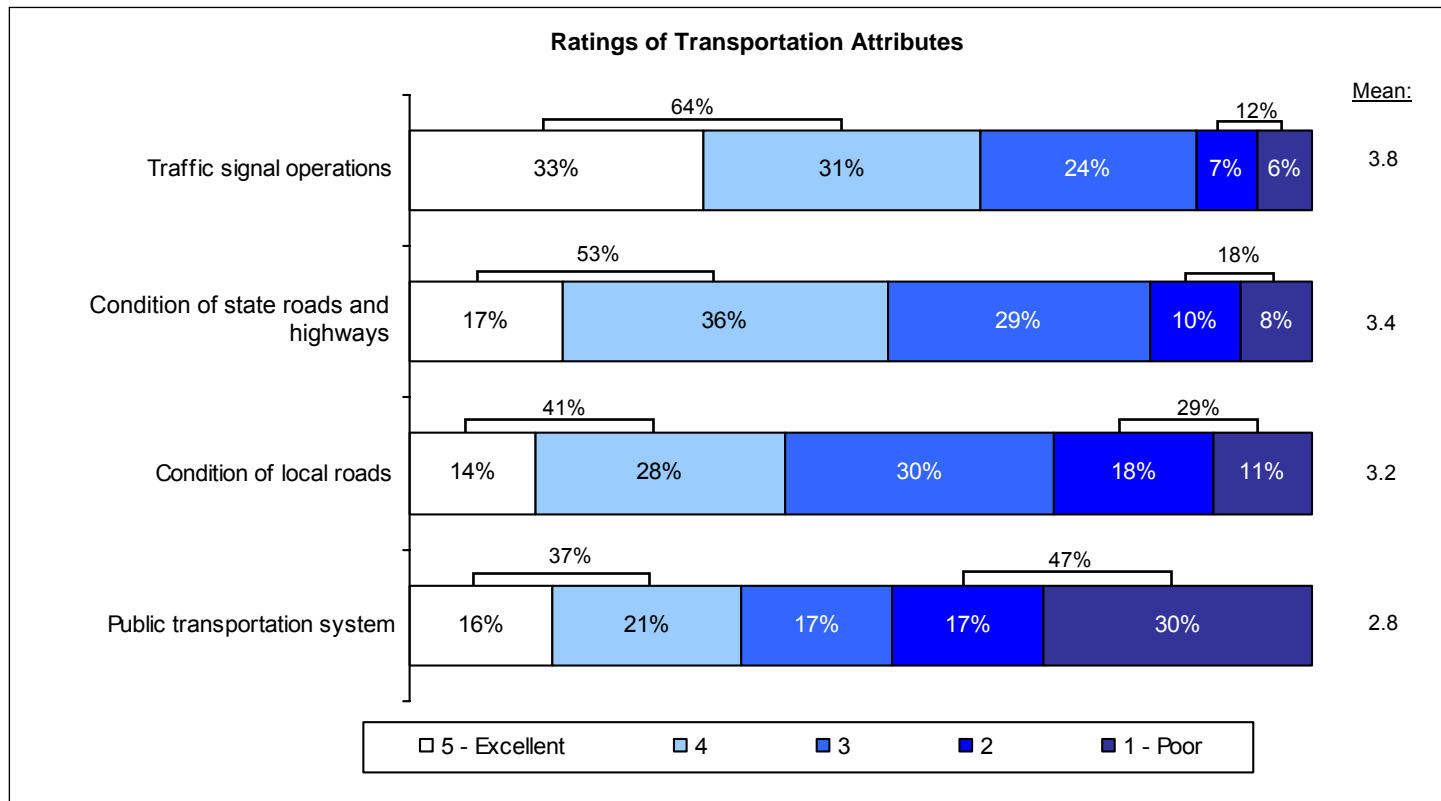
Transportation Attribute Ratings

All respondents were asked to rate four attributes of their area transportation system on a 5-point scale where a 5 means excellent and a 1 means poor.

- Notably, almost one in five were unable to rate their impressions of the public transportation system (18%), compared to 2% unable to rate traffic signal operations, 1% for the condition of state road and highways and <1% for the condition of local roads.

Among those able to give a rating, more than six in ten (64%) rated the traffic signal operations in their area positively (rated 4 or 5), and about one-half rated the condition of state roads and highways positively (53%).

- Fewer, in comparison gave positive ratings for the condition of local roads (41%) and/or the public transportation system (37%). In fact, almost one-half gave negative ratings for the public transportation system in their area (47%).



Base = Those able to rate (n=662-800)

Q20. How would you rate the following attributes of your area on a 5-point scale, where a 5 is excellent and a 1 is poor?

Transportation Attribute Ratings (continued)

Across the four counties surveyed, Salem County residents gave the highest positive ratings for traffic signal operations (73% vs. 61%-64%) and the condition of local roads (50% vs. 35%-44%).

- Atlantic County residents gave the highest positive ratings for the public transportation system (46% vs. 24%-34%).

Ratings of Transportation Attributes (% Positive, Rated 4, 5), by County					
	Total	Atlantic	Cape May	Cumberland	Salem
Traffic signal operations	64%	B	C	D	E
Condition of state roads and highways	53	52	56	52	57
Condition of local roads	41	44	37	35	50 _{CD}
Public transportation system	37	46 _{CDE}	24	32	34 _C

Base = Those able to rate (Total n=662-800, By county n=156-200)

Letters indicate significant differences at the 95% confidence level.

Q20. How would you rate the following attributes of your area on a 5-point scale, where a 5 is excellent and a 1 is poor?

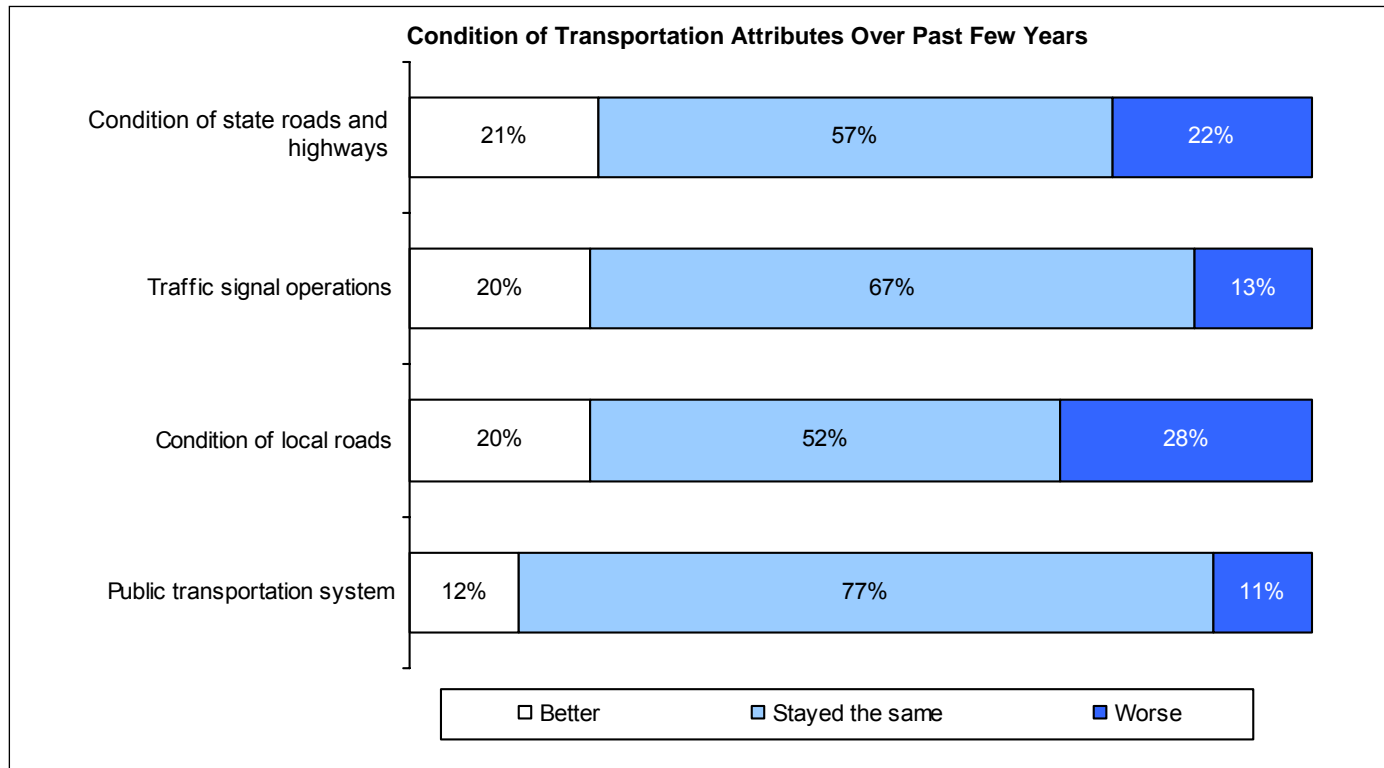
Transportation Attribute Ratings (continued)

All respondents were asked to decide whether the condition of four transportation attributes of their area has gotten better, worse or stayed the same over the past few years.

- Overall, almost one in five were unable to rate the status of the public transportation system in their area (19%), compared to 3% for traffic signal operations, 2% for the condition of state roads and highways, and 1% for the condition of local roads.

While the majority of those able to give a rating feel that the condition of each of these four attributes has stayed the same over the past few years (52%-77%), there are some who have seen a change for the better or worse.

- Specifically, about one in five said that the condition of state roads and highways (21%), traffic signal operations (20%) and/or the condition of local roads (20%) has gotten better. In comparison, only about one in ten feel the public transportation system has gotten better (12%).
- On the negative side, about one-fourth feel the condition of local roads (28%) and/or state roads and highways (22%) has gotten worse. Fewer in comparison feel that traffic signal operations (13%) and/or the public transportation system (11%) have gotten worse.



Base = Those able to rate (n=655-791)

Q21. In the past few years, would you say the condition of these attributes has gotten better, worse or stayed about the same?

Transportation Attribute Ratings (continued)

Across the four counties, those in Salem County were the least likely to see a change for the better or worse in any of these attributes.

- In addition, Cape May County residents were the most likely to say that their public transportation system has gotten worse in the past few years (17%) as compared to residents in the other counties (8%-10%).

Condition of Transportation Attributes Over Past Few Years, by County					
	Total	Atlantic	Cape May	Cumberland	Salem
<u>Condition of state roads and highways</u>		B	C	D	E
Better	21%	22% ^E	17% ^E	26% ^{CE}	10%
Stayed the same	57	53	62	56	72 ^{BCD}
Worse	22	25	21	19	18
<u>Traffic signal operations</u>					
Better	20%	21% ^E	18%	25% ^E	11%
Stayed the same	67	63	71	65	79 ^{BD}
Worse	13	15	12	11	10
<u>Condition of local roads</u>					
Better	20%	22% ^{CE}	14% ^E	26% ^{CE}	8%
Stayed the same	52	49	54	51	66 ^{BCD}
Worse	28	29	32	24	26
<u>Public transportation system</u>					
Better	12%	15% ^E	8%	14% ^E	6%
Stayed the same	77	75	75	76	86 ^{BCD}
Worse	11	10	17 ^E	10	8

Base = Those able to rate (Total n=655-791, By county n=155-200)

Letters indicate significant differences at the 95% confidence level.

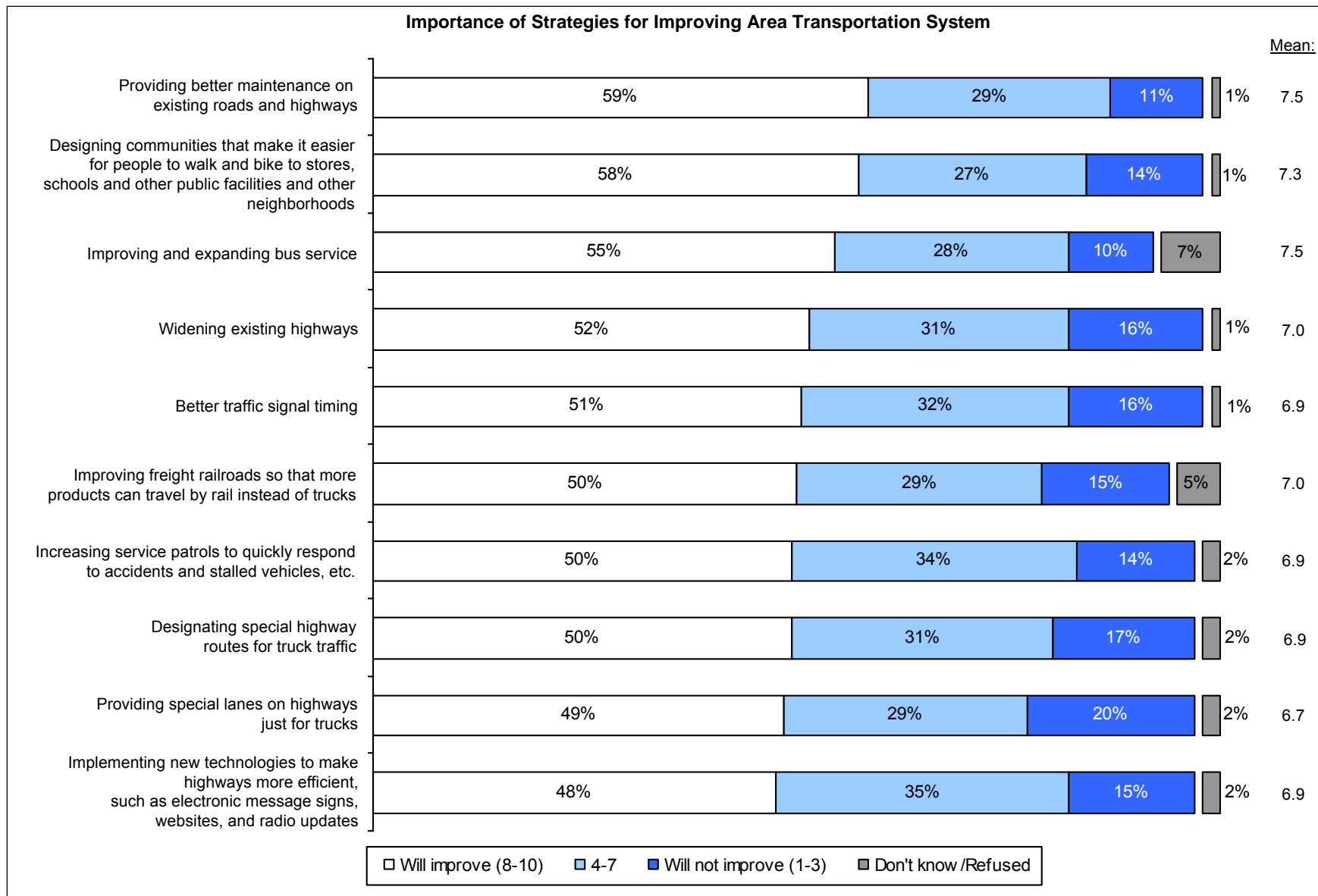
Q21. In the past few years, would you say the condition of these attributes has gotten better, worse or stayed about the same?

Strategies for Improving Area Transportation System

Respondents were read 20 possible strategies for improving their area's transportation system and were asked to what extent they feel the strategy will improve the transportation system, using a 10-point scale where a 10 means it will significantly improve the transportation system and a 1 means it will not improve the transportation system at all.

- Overall, the three strategies that rose to the top of the list of possible improvements included:
 - Providing better maintenance on existing roads/highways (59% rated 8-10);
 - Designing communities that make it easier for people to walk and bike to stores, schools, and other public facilities and other neighborhoods (58%); and
 - Improving and expanding bus services (55%).
- Conversely, the strategies that received the lowest ratings for potential improvement to the area transportation system included:
 - Providing special lanes on highways just for carpools and buses (40%);
 - Building more connecting roads between neighborhoods and commercial areas (39%);
 - Improving access to air travel (38%);
 - Developing more park-and-ride facilities (38%);
 - Reducing the number of construction zones (38%);
 - Providing new information systems to make it easier to carpool (36%); and
 - Building more highways (36%).
- Notably, there were two strategies for which those who are less than satisfied with their area transportation system were significantly more likely than those who are satisfied to feel they would improve the transportation system: providing better maintenance on existing roads and highways (63% vs. 54% rated 8-10) and building more connecting roads between neighborhoods and commercial areas (42% vs. 34%).

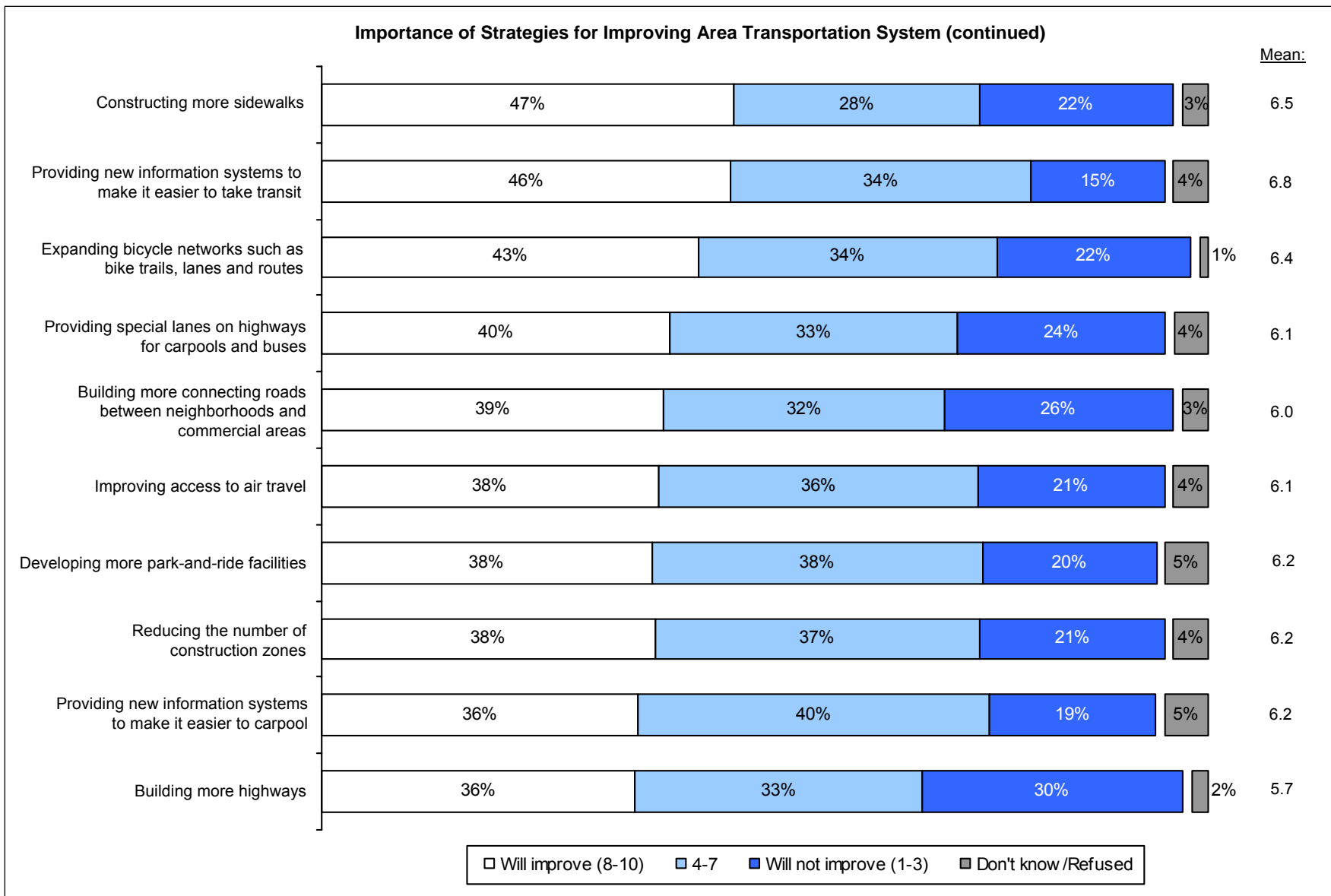
Strategies for Improving Area Transportation System (continued)



Base = Total Sample (n=803)

Q24. Please tell me to what extent you feel the strategy will improve your area's transportation system, using a 10-point scale, where a 10 means you feel it "will significantly improve the transportation system," and a 1 means you feel it "will not improve the transportation system at all."

Strategies for Improving Area Transportation System (continued)



Base = Total Sample (n=803)

Q24. Please tell me to what extent you feel the strategy will improve your area's transportation system, using a 10-point scale, where a 10 means you feel it "will significantly improve the transportation system," and a 1 means you feel it "will not improve the transportation system at all."

Strategies for Improving Area Transportation System (continued)

There were some slight differences in the top strategies that emerged in each of the four counties surveyed, as noted in the table below (the top rated strategies in each county are highlighted).

- Across the board, Salem County residents were the least likely to say that any of these strategies will improve the area transportation system.

Strategies for Improving Area Transportation System (Will Improve, Rated % 8-10), by County					
	Total	Atlantic	Cape May	Cumberland	Salem
	n= (803)	B (201)	C (200)	D (202)	E (200)
Providing better maintenance on existing roads and highways	59%	57%	65% _E	63% _E	50%
Designing communities that make it easier for people to walk and bike to stores, schools and other public facilities and other neighborhoods	58	58 _E	62 _E	60 _E	47
Improving and expanding bus service	55	52	60 _E	60 _E	48
Widening existing highways	52	57 _E	53 _E	51 _E	39
Better traffic signal timing	51	57 _{DE}	52 _E	45	39
Improving freight railroads so that more products can travel by rail instead of trucks	50	53	50	48	47
Increasing service patrols to quickly respond to accidents and stalled vehicles, etc.	50	55 _E	47	47	43
Designating special highway routes for truck traffic	50	51	50	50	45
Providing special lanes on highways just for trucks	49	48	52	52	45
Implementing new technologies to make highways more efficient, such as electronic message signs, websites and radio updates	48	49	48	48	41
Constructing more sidewalks	47	49 _E	40	50 _{CE}	38
Providing new information systems to make it easier to take transit	46	46	48 _E	50 _E	37
Expanding bicycle networks such as bike trails, lanes and routes	43	43	42	45	36
Providing special lanes on highways for carpools and buses	40	40 _E	41 _E	44 _E	30
Building more connecting roads between neighborhoods and commercial areas	39	44 _E	40 _E	37 _E	27
Improving access to air travel	38	41 _E	41 _E	39 _E	25
Developing more park-and-ride facilities	38	40	37	38	34
Reducing the number of construction zones	38	40	44 _{DE}	33	30
Providing new information systems to make it easier to carpool	36	36	35	39	30
Building more highways	36	35	42 _E	38 _E	27

Base = Total Sample

Letters indicate significant differences at the 95% confidence level.

Q24. Please tell me to what extent you feel the strategy will improve your area's transportation system, using a 10-point scale, where a 10 means you feel it "will significantly improve the transportation system," and a 1 means you feel it "will not improve the transportation system at all."

Number One Priority for Improving Area's Transportation

All respondents were asked on an open-ended basis what they feel is the number one priority in terms of improving their area's transportation system, and were reminded that transportation includes roads, buses, sidewalks, bridges, etc.

- The top three responses included providing better maintenance on existing roads/highways (25%), improving and expanding bus service (19%) and widening existing roads/highways (15%).
- These three attributes were consistently the top three cited priorities across all four counties.

Number One Priority for Improving Area's Transportation, by County						
	Total	Atlantic	Cape May	Cumberland	Salem	
	n=	(803)	B (201)	C (200)	D (202)	E (200)
Providing better maintenance on existing roads and highways	25%	26%	19%	28% _C	26%	
Improving and expanding bus service	19	17	17	24	21	
Widening existing roads and highways	15	17 _E	17 _E	12	10	
Constructing more sidewalks	8	7	6	12 _C	9	
Building more highways/roads	7	7	10	6	6	
Offer more transportation options	7	7	6	8	6	
Development of a good rail system/train system	6	4	9	7	6	
Better traffic signal timing	4	4	5	3	4	
Expanding bicycle networks, such as bike trails, lanes and routes	4	4	3	3	3	
More traffic signals on major roads	3	4	3	1	2	
Repair and maintenance of bridges	3	3	5	2	3	
Building more connecting roads between neighborhoods and commercial areas	3	2	6 _E	3	1	
Reducing the number of construction zones/Finish jobs quicker	3	2	6 _D	1	3	
No suggestions	5	4	3	6	9 _{BC}	

Base = Total Sample

Multiple Responses Accepted, Top Mentions

Letters indicate significant differences at the 95% confidence level.

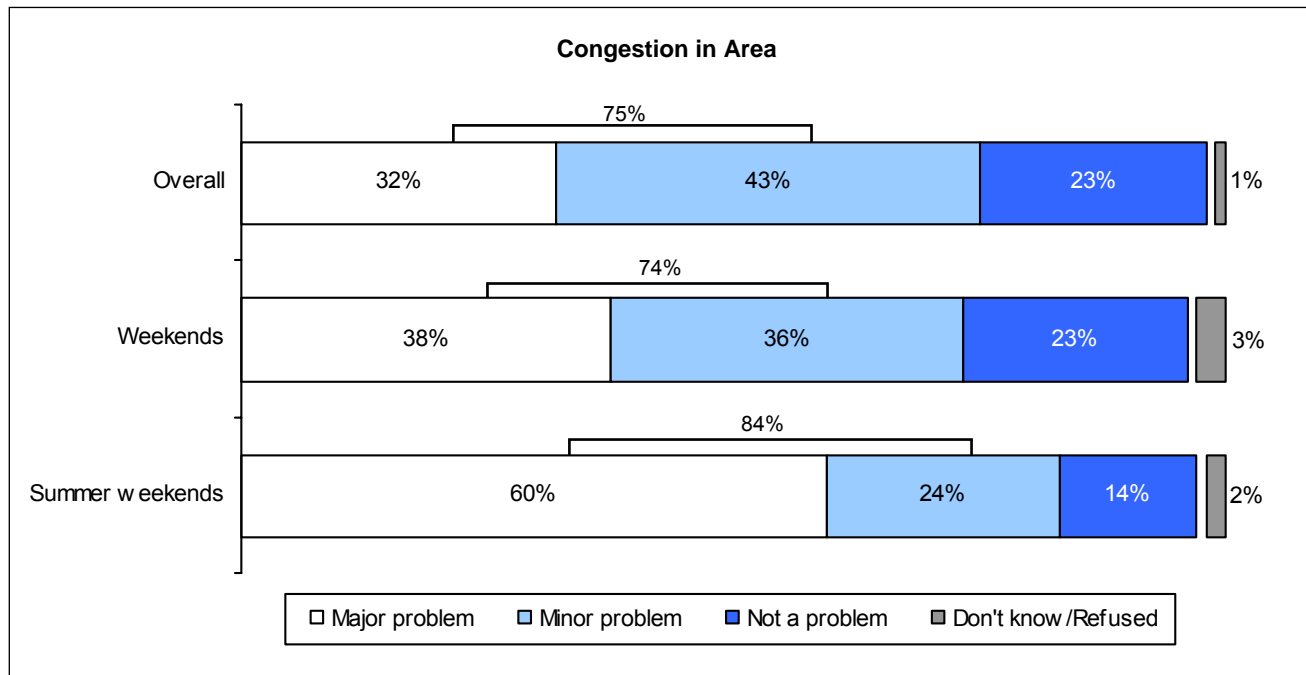
Q25A. What do you think should be the number one priority in terms of improving your area's transportation?

**DETAILED FINDINGS:
Congestion**

Congestion in Area

All respondents were asked to rate to what extent congestion is a problem in their area overall, on weekends, and specifically on summer weekends.

- Overall, the majority of respondents (75%) feel that congestion is a problem in their area. Specifically, about one-third (32%) feel it is a major problem.
- This concern increases only slightly when talking specifically about congestion on weekends (38% major problem). However, when focusing on congestion during summer weekends, the proportion citing this as a major problem spikes up to 60%.



Base = Total Sample (n=803)

Q16A. To what extent do you feel congestion is a problem in your area...? Would you say it is a major problem, a minor problem or not a problem?

Congestion in Area (continued)

By county, the Atlantic County residents are the most likely to feel that congestion is a major problem on an overall basis (44%), whereas Salem County residents are the least likely to feel congestion is a problem (49% not a problem).

- However, increases in weekend congestion appear to have the biggest effect in Cape May County. Specifically, about one-fourth of the Cape May residents (28%) feel that congestion is a major problem overall, but more than four in ten (44%) feel that congestion is a problem on weekends. And, when talking specifically about summer weekends, almost nine in ten (88%) feel it is a major problem in Cape May County.

Those who are less than satisfied with their area transportation system tend to be more likely than those who are satisfied to say congestion is a major problem in their area compared to those who are satisfied (38% vs. 22% overall, 41% vs. 32% specifically on weekends, and 67% vs. 48% specifically on weekends during the summer season).

Congestion in Area, by County						
	Total	Atlantic	Cape May	Cumberland	Salem	
	n=	(803)	B (201)	C (200)	D (202)	E (200)
<u>Overall</u>						
Net: Problem	75%	84% ^{DE}	77% ^E	71% ^E	50%	
Major Problem	32	44 ^{CDE}	28 ^E	22	15	
Minor Problem	43	40	49 ^E	49 ^E	35	
Not a problem	23	15	21	28 ^B	49 ^{BCD}	
Don't know/Refused	1	1	2	1	<1	
<u>Weekends</u>						
Net: Problem	74%	78% ^E	82% ^{DE}	70% ^E	55%	
Major Problem	38	45 ^{DE}	44 ^{DE}	28	24	
Minor Problem	36	33	39	43 ^E	31	
Not a problem	23	19	14	27 ^C	43 ^{BCD}	
Don't know/Refused	3	2	4	2	1	
<u>Summer Weekends</u>						
Net: Problem	84%	87% ^{DE}	98% ^{BDE}	76% ^E	67%	
Major Problem	60	63 ^{DE}	88 ^{BDE}	46	37	
Minor Problem	24	24 ^C	10	31 ^C	29 ^C	
Not a problem	14	11 ^C	2	20 ^{BC}	30 ^{BCD}	
Don't know/Refused	2	2	-	4	3	

Base = Total Sample

Letters indicate significant differences at the 95% confidence level.

Q16A. To what extent do you feel congestion is a problem in your area...? Would you say it is a major problem, a minor problem or not a problem?

Definition of Congestion

All respondents were asked whether they would define congestion as an increase in travel time, a decrease in speed, an increased number of cars, increased time at an intersection, or in some other way.

- Generally, the respondents most often view congestion in terms of an increase in cars or increased traffic (62%). At the same time, about one in four respondents also described congestion as an increase in travel time (27%) and/or as an increased time at an intersection (25%).
- It is interesting to note that Cape May County residents were the most likely to define congestion as two or more of these issues, as compared to residents of the other three counties.

In addition, those who are less than satisfied with their area transportation system are more likely to view congestion as an increased number of cars or increased traffic than those who are satisfied (66% vs. 56%).

Definition of Congestion, by County						
	Total	Atlantic	Cape May	Cumberland	Salem	
	n=	(803)	B (201)	C (200)	D (202)	E (200)
An increased number of cars/Increased traffic	62%	63% ^E	74% ^{BDE}	56%	53%	
An increase in travel time	27	28	32 ^{DE}	23	23	
Increased time at an intersection	25	26	30 ^E	21	19	
A decrease in speed	19	18	31 ^{BDE}	12	17	
Summertime traffic	1	1	4 ^D	<1	-	
Traffic lights that are too long/Too many lights	1	2	-	1	-	
Roads not wide enough to handle the number of cars	1	1	-	1	<1	
Bumper to bumper traffic/At a standstill	1	<1	-	1	1	
Don't know/Refused	10	9	7	11	14 ^C	

Base = Total Sample

Multiple Responses Accepted, Top Mentions

Letters indicate significant differences at the 95% confidence level.

Q16. When thinking about transportation, how would you define congestion? Would you say it is...?

Time/Distance of Commute to Work/School

The commuters were asked on average, how long their commute one-way to work/school takes, and about how far it is.

- The median commute for all of the respondents is 23 minutes and 12 miles.
- These findings are relatively consistent across the four counties.

Time/Distance of Commute to Work/School, by County					
	Total	Atlantic	Cape May	Cumberland	Salem
	n= (448)	B (111)	C (108)	D (113)	E (116)
Time					
Less than 15 minutes	27%	21%	27%	34% _B	33% _B
15 to less than 30 minutes	39	41	42	35	41
30 to less than 45 minutes	18	23 _C	12	16	14
45 minutes to less than one hour	5	5	4	5	3
One hour or more	8	8	8	6	8
Don't know/Refused/Varies	4	3	7 _E	4	2
<i>Mean (minutes)</i>	28.0	30.1	27.4	25.8	26.0
<i>Median (minutes)</i>	23.2	25.3	22.0	21.2	21.1
Miles					
Less than 5 miles	21%	17%	21%	27%	24%
5 to less than 10 miles	18	14	19	25 _B	17
10 to less than 15 miles	19	25 _D	16	13	16
15 to less than 20 miles	10	9	12	10	12
20 miles or more	26	28	29	19	25
Don't know/Refused/Varies	6	7	4	6	6
<i>Mean (miles)</i>	13.3	14.2 _D	13.7	11.5	13.0
<i>Median (miles)</i>	12.1	13.1	12.7	9.1	11.8

Base = Those employed who commute to location outside home/Students

Letters indicate significant differences at the 95% confidence level.

Q13. On average, how long does it take you to commute one-way to work/school?

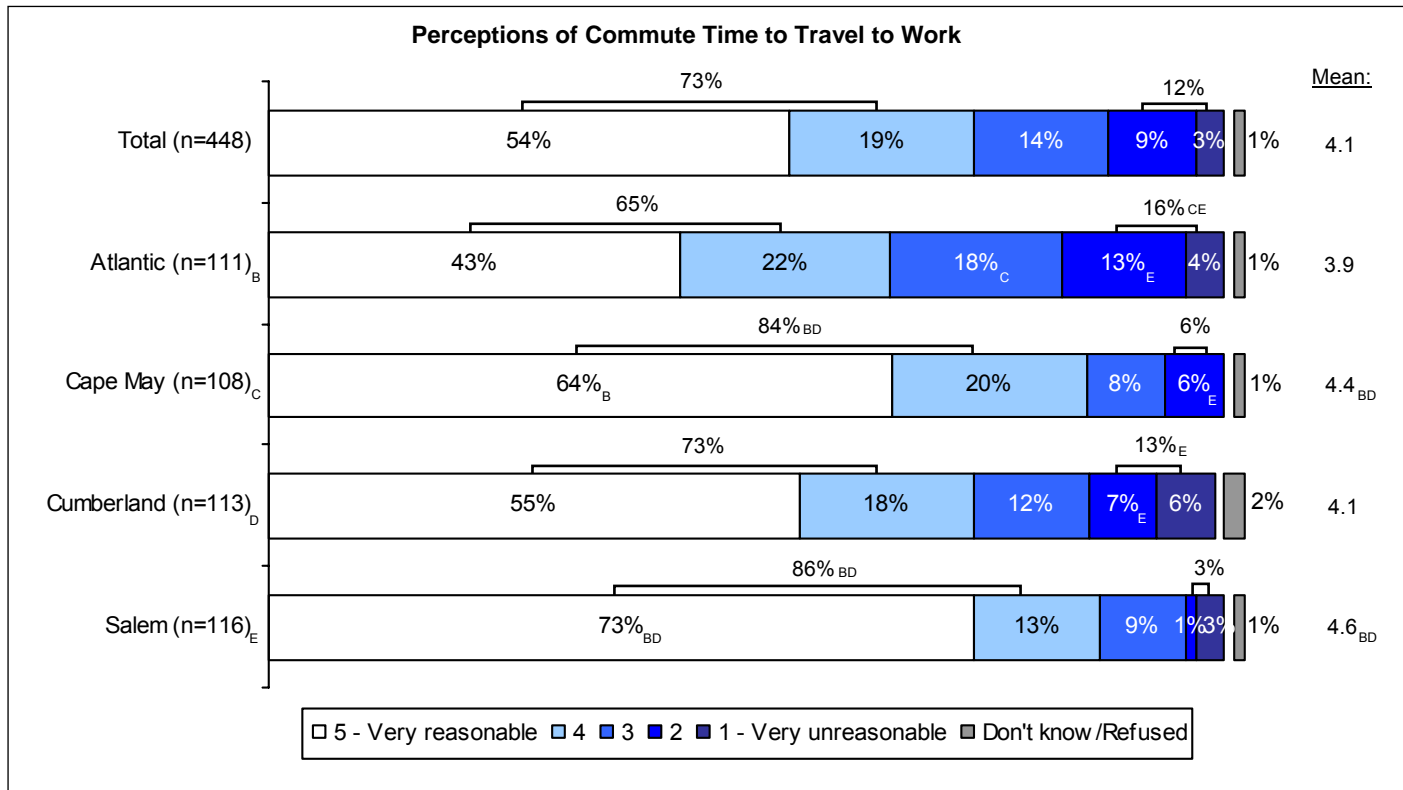
Q15. About how many miles is your commute from home to work/school, one way?

Time/Distance of Commute to Work/School (continued)

Commuters were asked to rate how reasonable they think the time it takes them to commute one-way to work/school is, using a scale from 1 to 5 where a 5 means very reasonable and a 1 means very unreasonable.

- On the whole, the majority of respondents (73%) feel their commute is reasonable.
- Across the four counties, Salem County (86%) and Cape May County (84%) were more likely than Atlantic County (65%) and Cumberland County (73%) to feel their commute is reasonable.

Notably, there tends to be a link between a respondent's satisfaction with the area transportation system and how reasonable they feel their commute to work/school is. The majority of those satisfied with the area transportation system (80%) feel their commute is reasonable, compared to 68% of those less than satisfied.



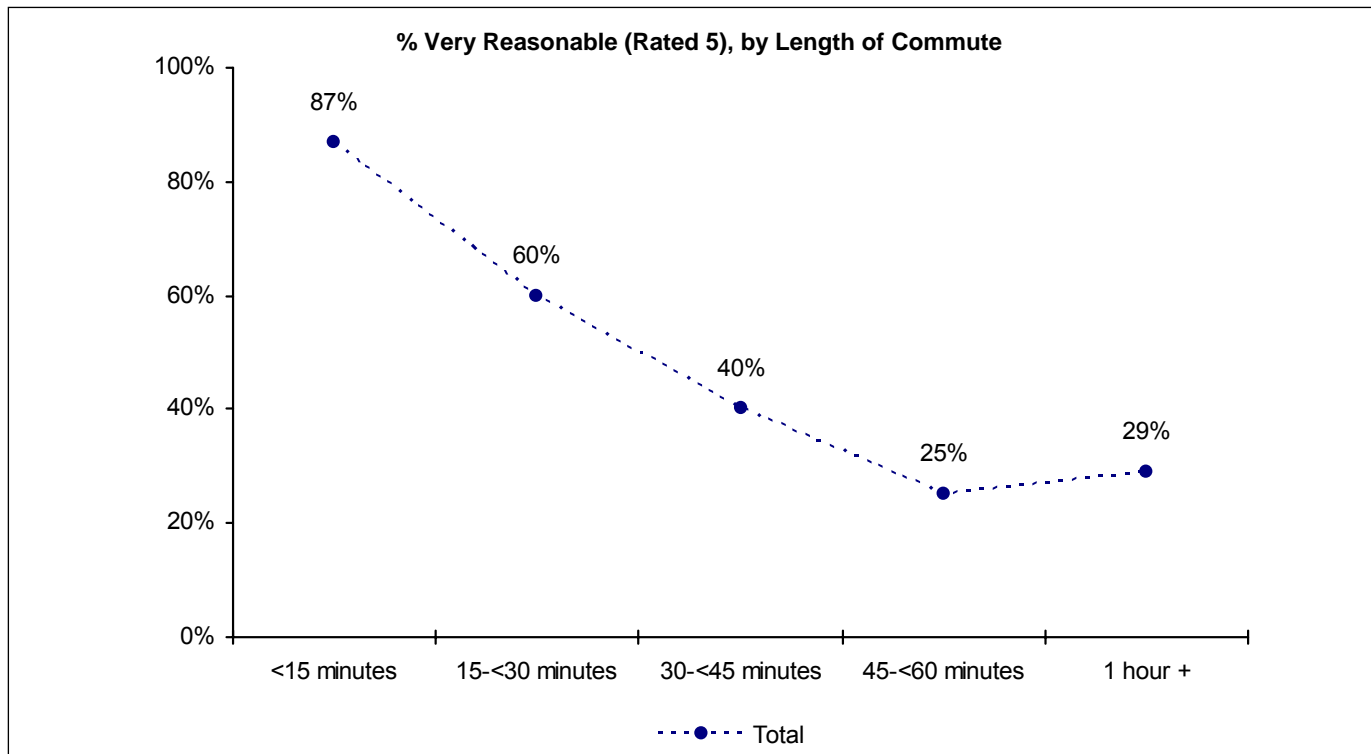
Base = Those employed who commute to location outside home/Students

Letters indicate significant differences at the 95% confidence level.

Q14. Given the distance you have to travel, please rate how reasonable you think the time it takes you to commute one-way to work/school is, using a scale from 1 to 5 where a 5 means it is very reasonable and a 1 means it is very unreasonable.

Time/Distance of Commute to Work/School (continued)

It is not surprising to note that the length of one's commute has a direct inverse relationship with perceptions of how reasonable that commute time is. That is, as the length of the commute increases, it becomes less reasonable. However, it is interesting to note that this declining perception levels off once a commute time of 45 minutes or more is reached.



Base = Those employed who commute to location outside home/Students

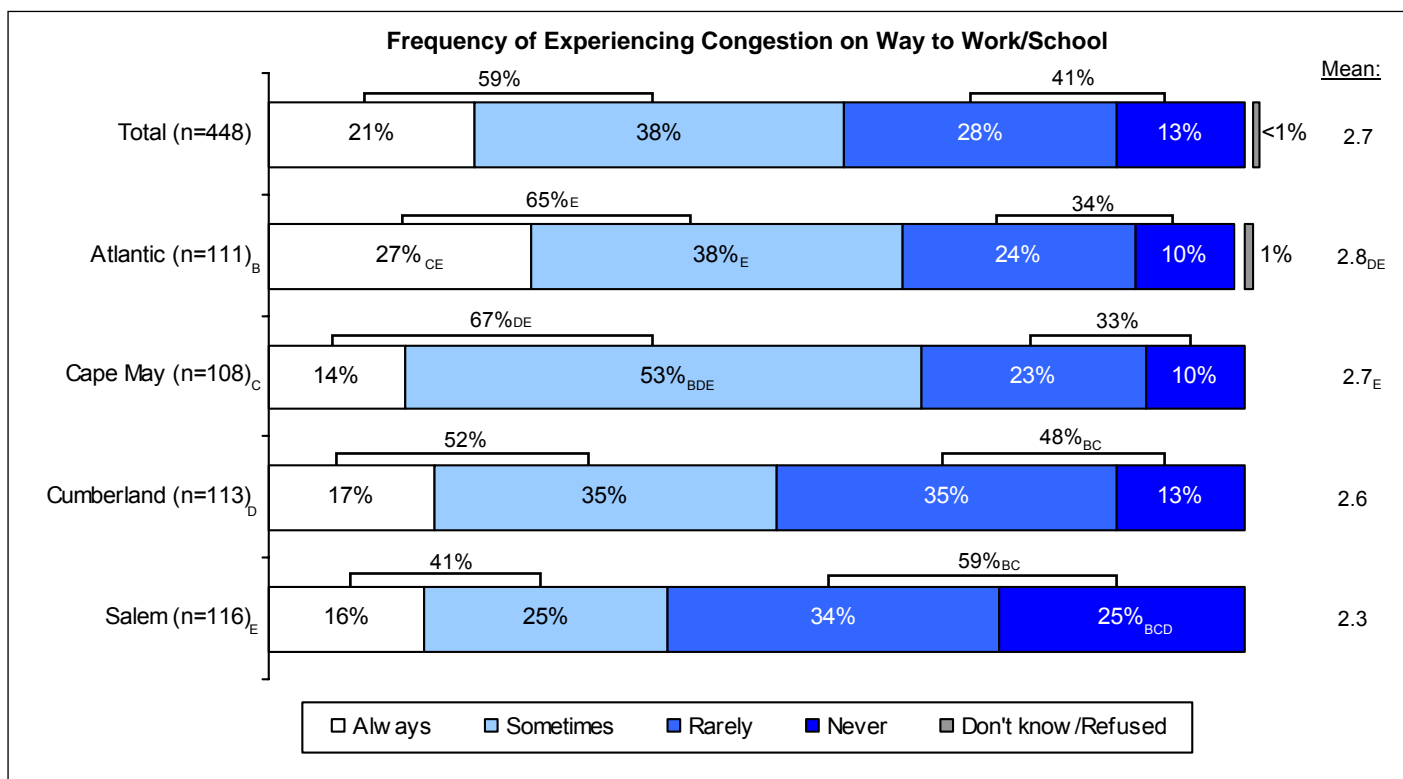
Q14. Given the distance you have to travel, please rate how reasonable you think the time it takes you to commute one-way to work/school is, using a scale from 1 to 5 where a 5 means it is very reasonable and a 1 means it is very unreasonable.

Frequency of Experiencing Congestion on Way to Work/School

Commuters were asked to rate how often they experience congestion on their way to or from work/school as always, sometimes, rarely, or never.

- Overall, about six in ten respondents (59%) described experiencing congestion always or sometimes, while about four in ten (41%) said they rarely or never experience congestion.
- Specifically, compared to the other counties, Atlantic County commuters were the most likely to say they always experience congestion on their way to or from work/school (27% vs. 14%-17%). Conversely, the majority of Salem County residents (59%) said they rarely or never experience congestion.

Not surprisingly, those who are less than satisfied with their area transportation system are more likely than those who are satisfied (68% vs. 43%) to experience congestion always or sometimes on their commute to work/school.



Base = Those employed who commute to location outside home/Students

Letters indicate significant differences at the 95% confidence level.

Q16B. In general, how often do you experience congestion on your way to or from work/school?

Most Congested Roads

Commuters were asked to name the one specific road in their area on which they currently experience the most congestion on their trip to work/school.

- No single road emerged as the most common named by respondents. However, some of the most frequently cited roads were Route 9 (6%), Route 47 (6%), Route 40 (6%), Route 49 (6%), Route 322 (4%) and Black Horse Pike (4%).
- Specifically, Black Horse Pike was the most commonly cited road among Atlantic County residents (9%), Route 9 for Cape May County residents (22%), and Route 49 for both Cumberland and Salem County residents (14%, 15%).

Most Congested Roads	
	Total
n=	(448)
Route 9	6%
Route 47	6
Route 40	6
Route 49	6
Route 322	4
Black Horse Pike	4
Garden State Parkway	3
Route 30	3
Jim Leeds Road/Jimmie Leeds Road	3
Delilia Road	2
Mill Road	2
Delsea Drive	2
Route 42/42 Freeway/Junction 42	2
Atlantic City Expressway	2
Shore Road	2
Landis Avenue	2
Atlantic Avenue	1
Pearl Street	1

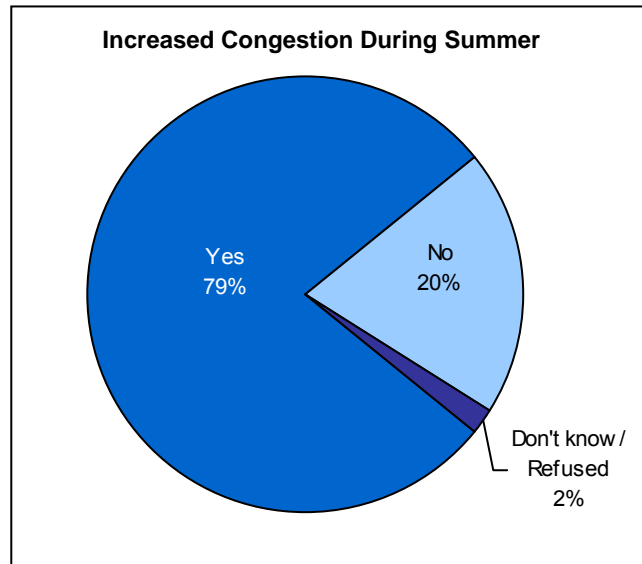
Most Congested Roads (continued)	
	Total
n=	(448)
Route 95/I 95	1%
Route 55/Junction 55	1
Wrangleboro Road	1
White Horse Pike	1
Route 295 N	1
Route 73	1
Fire Road	1
Ocean Heights Avenue	1
Brigatine Avenue	1
Route 77/Highway 77	1
West Avenue	1
Delaware Memorial Bridge	1
Rio Grande Blvd.	1
Route 54	1
Route 50	1
Route 56/Highway 56	1
Harding Highway	1
Don't know/Refused	1

Base = Those employed who commute to a location outside home/Students
 Top Mentions
 Q16C. On what specific road in your area do you currently experience the most congestion on your trip to work/school?

Most Congested Roads (continued)

Those employed who commute to a location outside home and cited a congested route in the previous question, were asked whether they experience increased congestion on this route during the summer months.

- Overall, about eight in ten respondents (78%) replied yes.
- Notably, all of these Cape May County respondents (100%) said they experience increased congestion during the summer. This is a higher proportion compared to 81% of Atlantic County, 72% of Salem County and 62% of Cumberland County.



Base = Those employed who commute to a location outside home and cited a congested route (n=392)

Increased Congestion During Summer, by County						
	Total	Atlantic	Cape May	Cumberland	Salem	
	n=	(392)	(98)	(103)	(94)	(97)
Yes	79%	81% _D	100% _{BDE}	62%	72%	
No	20	17	-	37 _B	25	
Don't know/Refused	2	2	-	1	3	

Base = Those employed who commute to a location outside home and cited a congested route
Letters indicate significant differences at the 95% confidence level.

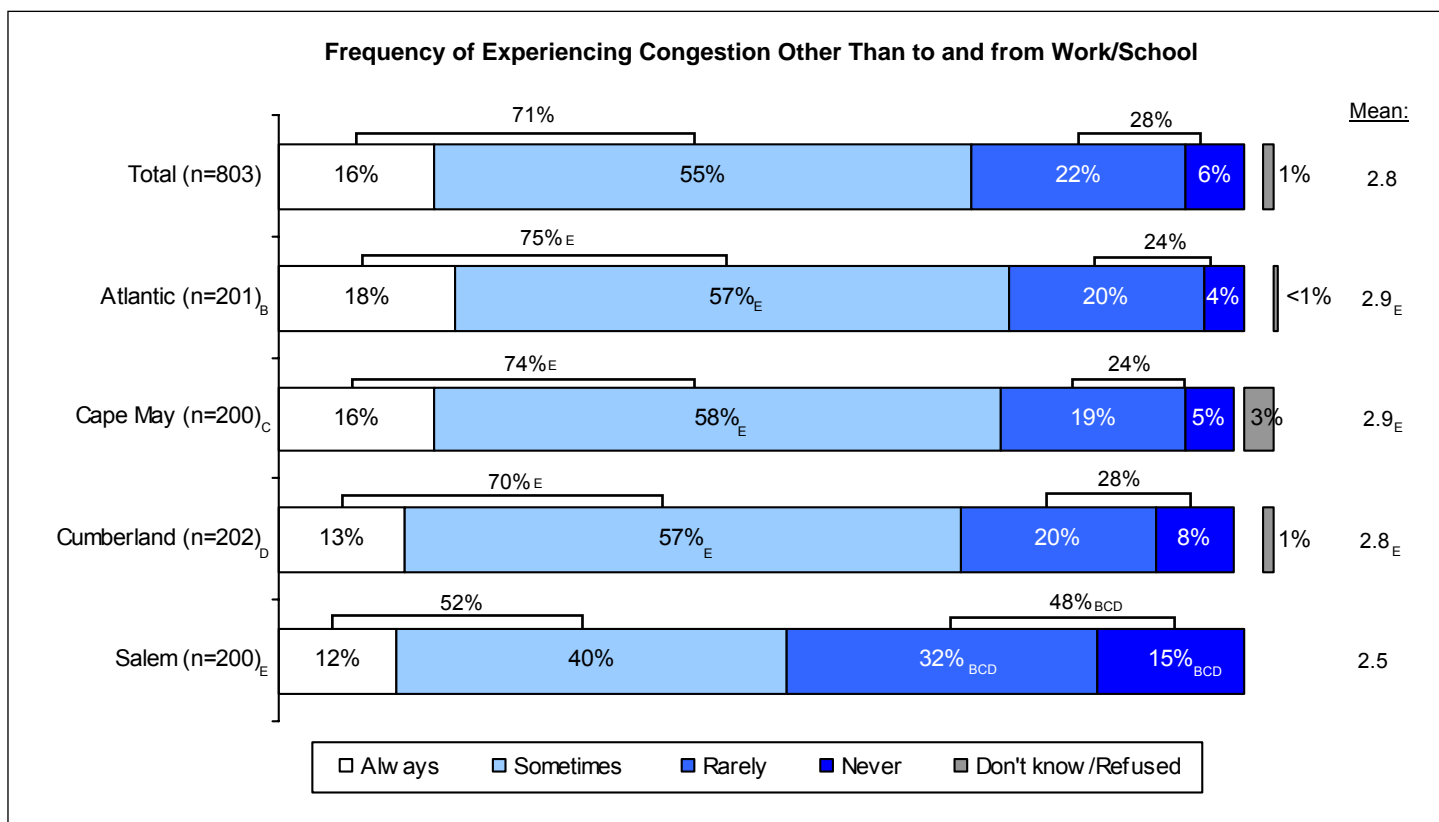
Q16E. Do you experience increased congestion on this route during the summer months?

Frequency of Experiencing Congestion Other Than to and from Work/School

All respondents were asked how often they experience congestion other than on their way to or from work – always, sometimes, rarely or never.

- Overall, about seven in ten respondents (71%) said they experience congestion always or sometimes.
- Notably, Salem County residents experience congestion the least of the four counties with 48% replying rarely or never, compared to 24% of Atlantic County, 24% of Cape May County and 28% of Salem County.

The majority of those who are less than satisfied (77%) report experiencing congestion always or sometimes, compared to 60% of those who are satisfied.



Base = Total Sample

Letters indicate significant differences at the 95% confidence level.

Q17. In general, how often do you experience congestion [other than on your way to or from work/school]?

**DETAILED FINDINGS:
Travel Mode Choices**

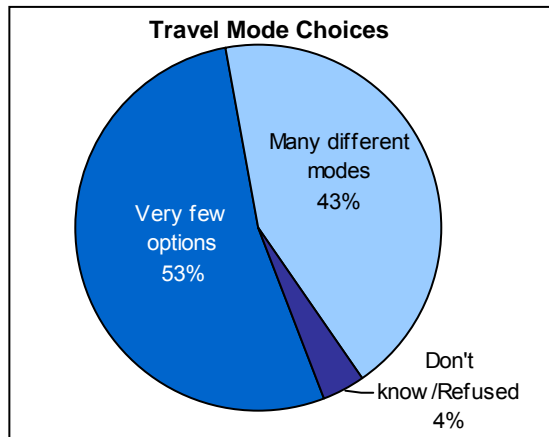
Travel Mode Choices

All respondents were asked if they feel they have many different travel modes to choose from or very few options to meet their travel needs. Travel modes were defined as auto, transit, biking and walking.

- Overall, the responses were split. About one-half of the respondents (53%) feel they have very few options to choose from, while more than four in ten (43%) feel they have many different options.
- Notably, those in Atlantic County are the most likely to say they have many different travel mode options (54%), as compared to those in Cape May County (40%), Cumberland County (33%) and Salem County (32%).

Interestingly, the younger respondents (specifically those between the ages of 18 to 34) tend to be more likely than their older counterparts to perceive many modes of transportation (57% compared to 44% of those 35 to 54 years of age, 39% of those 55 to 64 years of age, and 41% of those 65 or older).

- There also tends to be a link between overall satisfaction with the area transportation system and their perception of travel mode choices. Most of those satisfied with the area transportation system (64%) perceive many different modes compared to only 31% of those less than satisfied with the transportation system.



Base = Total Sample (n=803)

Travel Mode Choices, by County						
	Total	Atlantic	Cape May	Cumberland	Salem	
	n=	(803)	B (201)	C (200)	D (202)	E (200)
Many different modes	43%	54% _{CDE}	40%	33%	32%	
Very few options	53	44	56 _B	61 _B	62 _B	
Don't know/Refused	4	2	5	6 _B	6 _B	

Base = Total Sample

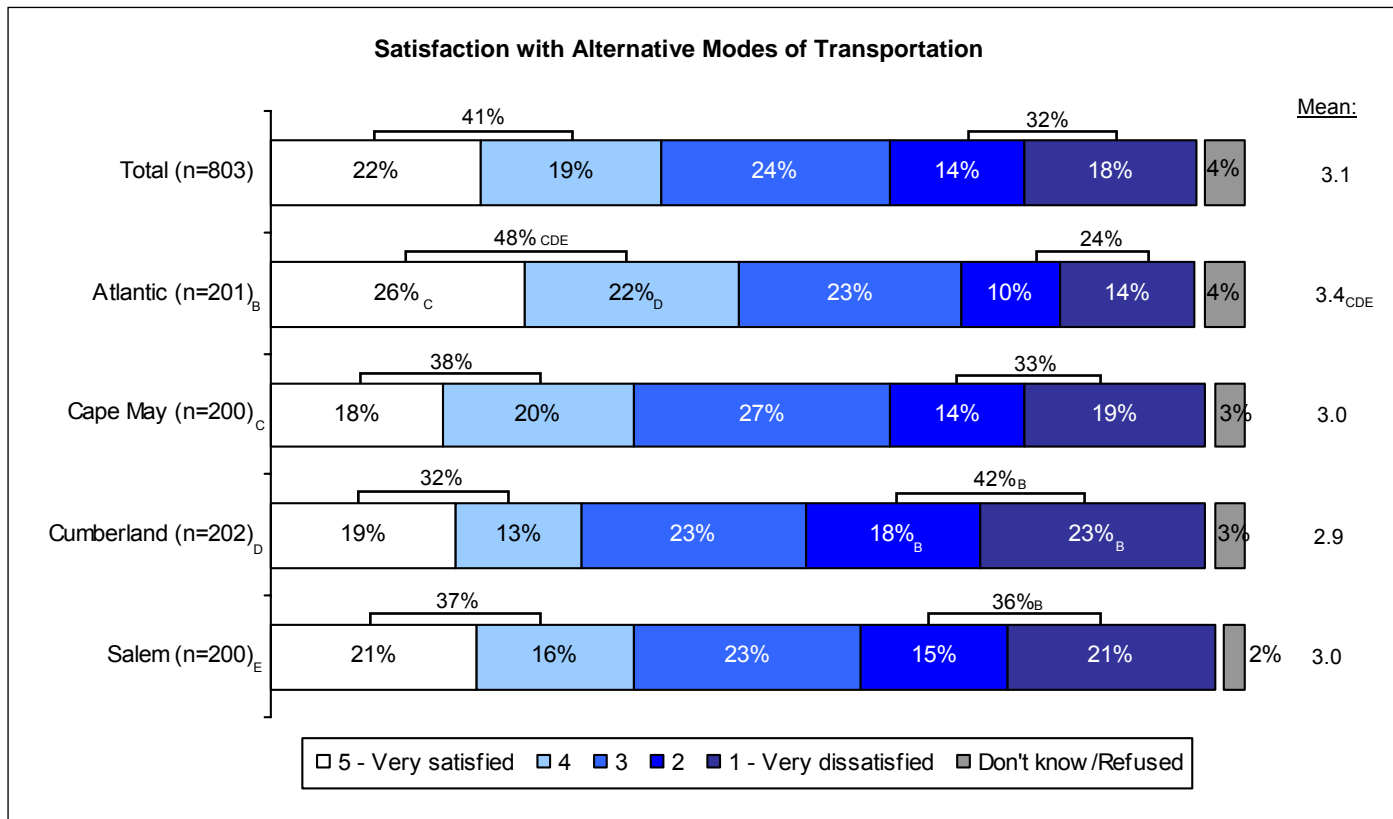
Letters indicate significant differences at the 95% confidence level.

Q2. Would you say that you have many different travel modes to choose from in you area or would you say that you have very few options to choose from?

Travel Mode Choices (continued)

All respondents were asked to rate how satisfied they are with choices for alternative modes of transportation in their area using a scale from 1 to 5 where a 5 means very satisfied and a 1 means very dissatisfied. Alternative modes were defined as carpooling, public transportation, biking, walking and sidewalks.

- Overall, about four in ten respondents (41%) said they are satisfied (rated a 4 or 5). Conversely, about one-third (32%) said they are dissatisfied (rated a 1 or 2).
- Across the four counties, respondents in Atlantic County are the most likely to be satisfied with the alternative modes of transportation (48%) as compared to Cape May County (38%), Cumberland County (32%) and Salem County (37%).



Base = Total Sample

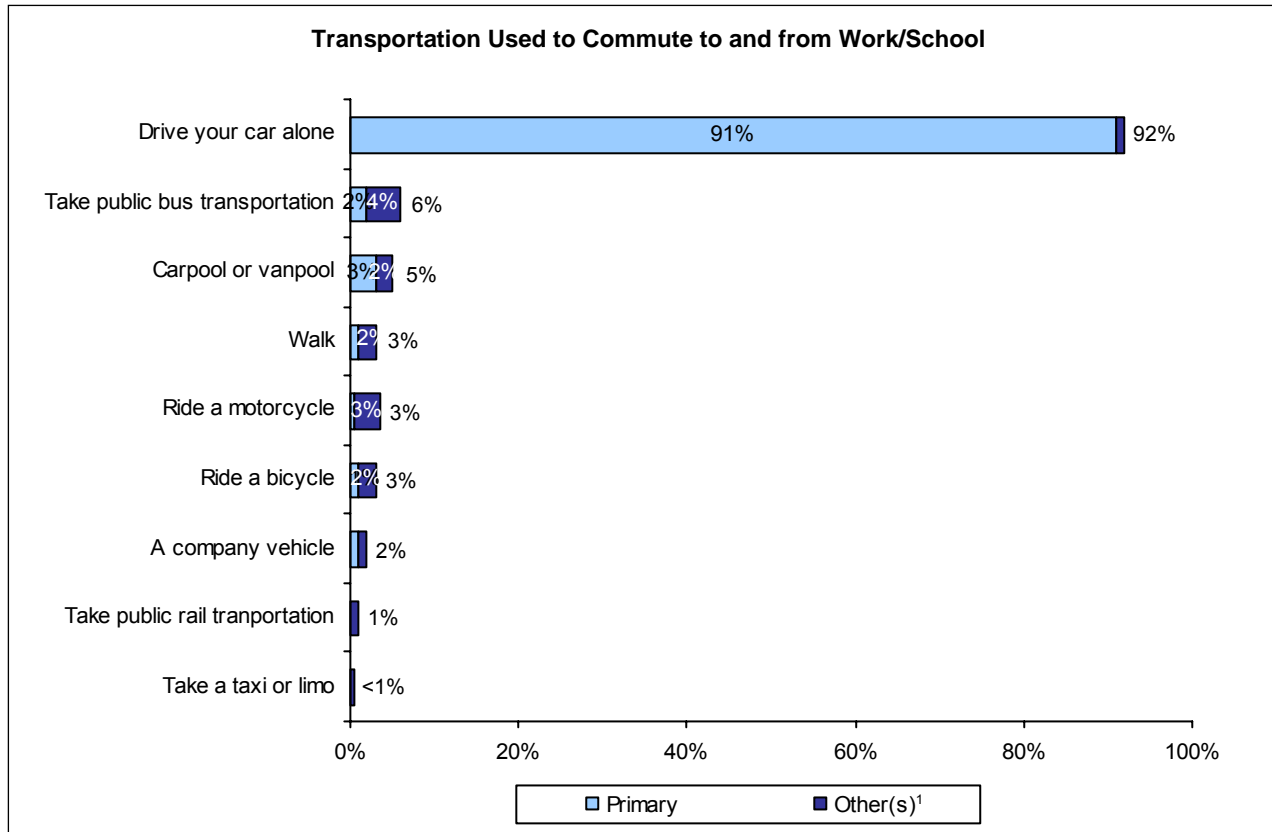
Letters indicate significant differences at the 95% confidence level.

Q3. Please rate how satisfied you are with the choices for alternative modes of transportation in your area, using a scale from 1 to 5 where a 5 means very satisfied and a 1 mean you are very dissatisfied.

Transportation Used to Commute to and from Work/School

Commuters were asked about the transportation they use to commute to and from work/school. They were asked to distinguish between the primary type of transportation used and any other usages.

- Overwhelmingly, the most common type of transportation used is driving a car alone (92%).



Base = Those employed who commute to location outside home/Students (n=448)

Top Mentions

¹Multiple Responses Accepted

Note: Missing values ≤1%

Q11. What is the primary type of transportation you use to commute to and from work/school?

Q12. What other types of transportation do you use to commute to and from work/school?

Q11/12. Total use.

Transportation Used to Commute to and from Work/School (continued)

While driving a car alone is the most popular mode of commuting in each of the four counties, it is interesting to note that Cumberland County commuters are the most likely to carpool or vanpool as compared to the other counties (9% vs. 2%-6%).

Transportation Used to Commute to and from Work/School, by County					
	Total	Atlantic	Cape May	Cumberland	Salem
	n= (448)	B (111)	C (108)	D (113)	E (116)
<u>Primary Type of Commuter Transportation</u>					
Drive your car alone	91%	93%	92%	88%	89%
Carpool or vanpool	3	2	1	6 _C	4
Take public bus transportation	2	2	1	3	2
Walk	1	2	2	-	2
Take a company vehicle	1	1	2	2	-
Ride a bicycle	1	-	3	-	1
Ride a motorcycle	<1	-	-	1	-
<u>Total Types of Commuter Transportation¹</u>					
Drive your car alone	92%	93%	94%	89%	91%
Take public bus transportation	6	7	3	7	5
Carpool or vanpool	5	2	5	9 _B	6
Walk	3	3	3	4	5
Ride a motorcycle	3	4	3	1	5
Ride a bicycle	3	2	5	3	3
Take a company vehicle	2	2	2	2	1
Take public rail transportation	1	1	1	1	-
Take a taxi or limo	<1	-	-	2	-

Base = Those employed who commute to location outside home/Students

Top Mentions

¹Multiple Responses Accepted

Letters indicate significant differences at the 95% confidence level.

Q11. What is the primary type of transportation you use to commute to and from work/school?

Q11/12. Total use.

Drivers/Non-Drivers in Household

All respondents were asked how many drivers and non-drivers live in their household, including themselves.

- The vast majority of households (96%) cited having at least one driver in their household, with an average of 2.0 drivers per household.
 - This is fairly consistent across the four counties.
- About four in ten respondents (42%) said they have at least one non-driver in their household, citing an average 1.8 non-drivers.
 - Salem County residents are the least likely to have any non-drivers in their household (34% vs. 43%-44%).

Drivers/Non-Drivers in Household, by County					
	Total	Atlantic	Cape May	Cumberland	Salem
	n= (803)	B (201)	C (200)	D (202)	E (200)
<u>Drivers in Household</u>					
Any	96%	96%	97%	97%	98%
<i>Mean¹</i>	2.0	2.0	2.0	1.9	2.1
<i>Median¹</i>	2.0	2.0	2.0	2.0	2.0
None	3%	4%	3%	3%	1%
Don't know/Refused	<1	<1	1	-	-
<u>Non-Drivers in Household</u>					
Any	42%	44% ^E	44% ^E	43%	34%
<i>Mean²</i>	1.8	1.8	1.8	1.8	1.9
<i>Median²</i>	2.0	2.0	1.0	2.0	2.0
None	57%	56%	56%	57%	66% ^{BC}
Don't know/Refused	<1	<1	1	-	-

Base = Total Sample

¹Base = Those with any drivers in household

²Base = Those with any non-drivers in household

Letters indicate significant differences at the 95% confidence level.

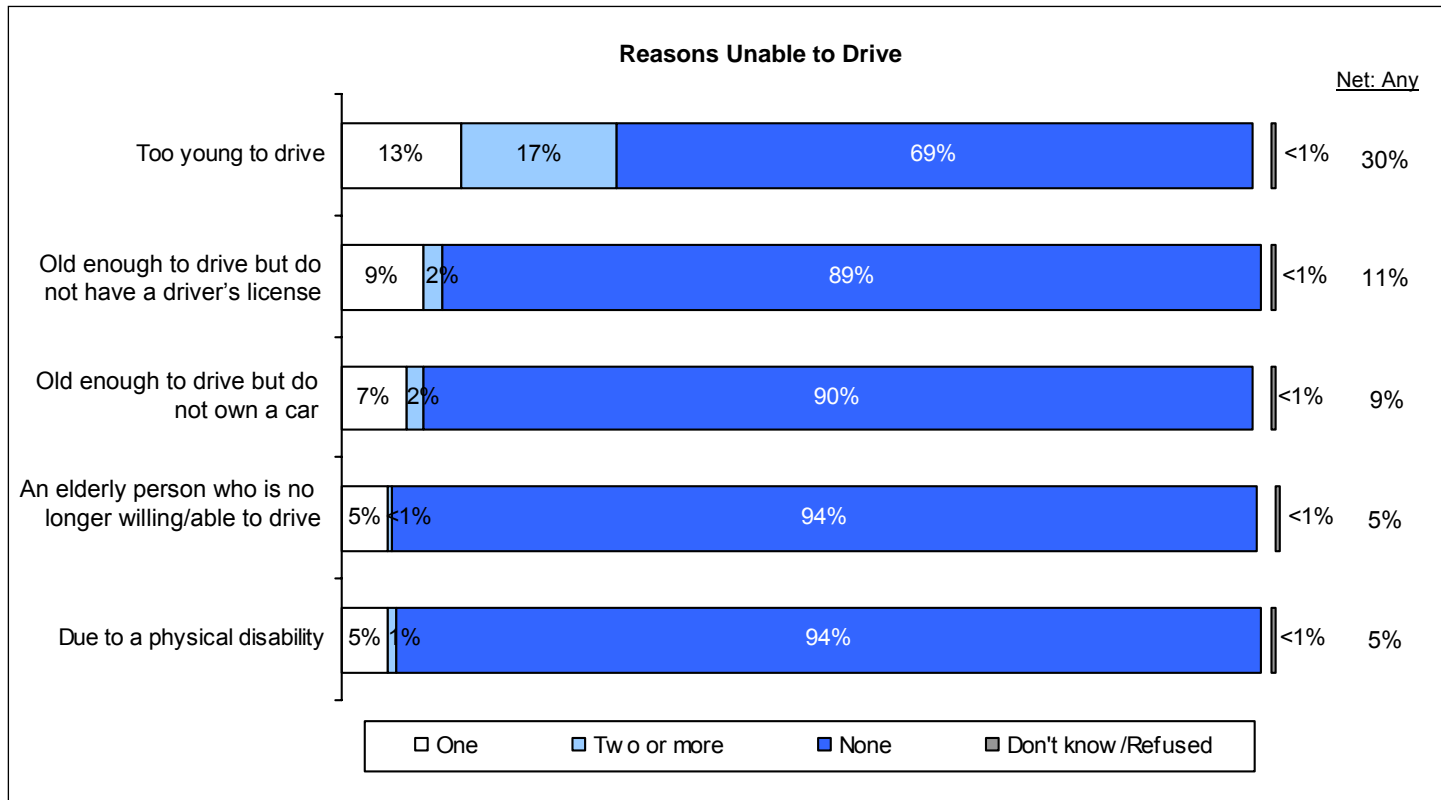
Q17A. Thinking of everyone who lives in your household including yourself, how many are drivers?

Q17B. And how many are non-drivers?

Reasons Unable to Drive

Those respondents with any non-drivers in their household (42% of Total Sample) were asked how many people in their household cannot drive for various listed reasons.

- Among all respondents, the most common reason why household members cannot drive is that they are too young to drive (30% citing at least one household member).
- About one in ten respondents have a household member who is old enough to drive but does not have a driver's license (11%), and/or who is of the driving age but does not own a car (9%).
- These findings were relatively consistent across the four counties.



Base = Total Sample (n=803)

Q18. How many people in your household including yourself cannot drive for the following reasons?

Reasons Unable to Drive (continued)

Reasons Why Cannot Drive, by County					
	Total	Atlantic	Cape May	Cumberland	Salem
n=	(803)	(201)	(200)	(202)	(200)
<u>Too young to drive</u>					
Any	30%	31%	34%	30%	26%
One	13	14	16	11	10
Two or more	17	17	17	19	16
None	69	68	66	70	74
Don't know/Refused	<1	<1	<1	-	-
<u>Old enough to drive but do not have a driver's license</u>					
Any	11%	11%	8%	14% _C	8%
One	9	9	6	12 _C	8
Two or more	2	2	2	2	1
None	89	88	92 _D	85	92 _D
Don't know/Refused	<1	1	<1	<1	-
<u>Old enough to drive but do not own a car</u>					
Any	9%	9%	9%	10%	9%
One	7	7	6	8	8
Two or more	2	1	4	2	2
None	90	91	90	89	91
Don't know/Refused	<1	<1	<1	1	-
<u>An elderly person who is no longer willing/able to drive</u>					
Any	5%	4%	6%	6%	5%
One	5	4	6	5	4
Two or more	<1	-	<1	<1	<1
None	94	95	93	94	95
Don't know/Refused	<1	1	<1	-	-
<u>Due to a physical disability</u>					
Any	5%	4%	4%	7%	6%
One	5	4	4	5	5
Two or more	1	-	-	1	1
None	94	96	95	93	94
Don't know/Refused	<1	<1	<1	<1	<1

Base = Total Sample

Letters indicate significant differences at the 95% confidence level.

Q18. How many people in your household including yourself cannot drive for the following reasons?

How Non-Drivers Travel

Respondents with at least one household member who cannot drive were then asked how that person typically travels.

- The vast majority of those who are too young to drive ride with someone else (90%).
- Those who are old enough to drive but do not have a license or do not own a car, most often ride with someone else (77%, 68%); however a significant proportion take public transportation (27%, 32%) and/or walk (14%, 17%).
- The vast majority of elderly persons who are no longer willing or able to drive ride with someone else (87%), although some take public transportation (16%).
- Those with a physical disability tend to ride with someone else (68%), while about one in ten or more take public transportation (17%) and/or a senior citizen bus (9%).

How Non-Drivers Travel (continued)

How Non-Drivers Travel, by County						
		Total	Atlantic	Cape May	Cumberland	Salem
			B	C	D	E
<u>Those who are too young to drive</u>	n=	(244)	(63)	(67)	(61)	(53)
Ride with someone else		90%	89%	91%	89%	92%
Take public transportation		6	8	3	7	6
Walk		6	5	12	3	8
Ride a bike		6	3	16 _B	-	11
School bus		3	3	4	-	2
Take a taxi		2	2	-	3	-
Don't know/Refused		<1	-	-	2	-
<u>Those who are old enough to drive but do not have a license</u>	n=	(85)	(23)*	(16)*	(29)*	(17)*
Ride with someone else		77%	74%	56%	86% _C	88% _C
Take public transportation		27	22	25	34	29
Walk		14	13	31 _E	10	6
Ride a bike		8	9	6	10	-
Take a taxi		2	-	6	3	-
Senior citizen bus		1	-	6	-	-
<u>Those who are old enough to drive but do not own a car</u>	n=	(75)	(18)*	(18)*	(21)*	(18)*
Ride with someone else		68%	56%	67%	76%	94% _{BC}
Take public transportation		32	44 _C	11	29	28
Walk		17	22	17	14	6
Ride a bike		5	11	-	-	-
Take a taxi		3	6	6	-	-
Senior citizen bus		3	6	6	-	-
Don't know/Refused		3	-	11	5	-
<u>Any elderly person who is no longer willing/able to drive</u>	n=	(44)	(9)*	(13)*	(12)*	(10)*
Ride with someone else		87%	89%	92%	83%	80%
Take public transportation		16	11	8	25	30
Walk		4	-	8	8	-
Senior citizen bus		4	-	8	8	-
Don't know/Refused		4	-	8	8	-
<u>Those with a physical disability</u>	n=	(43)	(8)*	(9)*	(14)*	(12)*
Ride with someone else		68%	50%	78%	79%	75%
Take public transportation		17	25	-	14	25
Senior citizen bus		9	12	11	7	-
Medical transportation		5	-	-	14	-
Take a taxi		2	-	-	7	-
Don't know/Refused		5	-	22	-	8

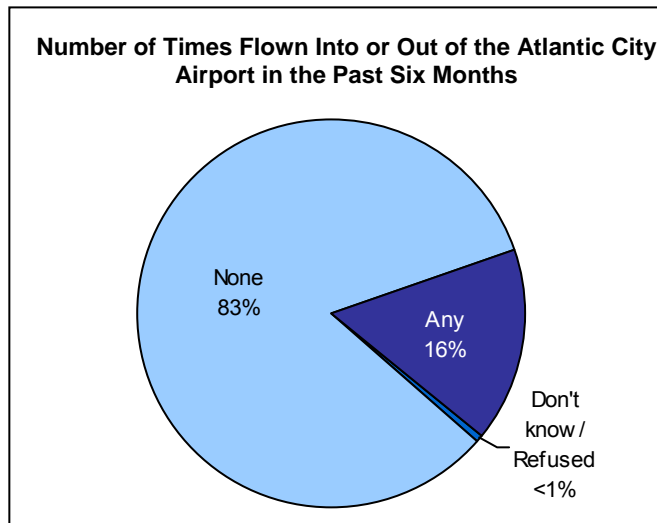
Base = Those with anyone in their household who are unable to drive for the following reasons
 Multiple Responses Accepted, Top Mentions
 *Caution: Small base
 Letters indicate significant differences at the 95% confidence level.
 Q19. When these people need to travel, how do they usually do it?

Number of Times Flown Into or Out of the Atlantic City Airport

All respondents were asked how many times they have flown into or out of the Atlantic City airport in the past six months.

- Overall, about one in six respondents (16%) have used this airport in the past six months, citing an average of 2.2 flights.
- Residents of Atlantic County (22%) and Cape May County (20%) were more likely than those in Cumberland County (9%) or Salem County (4%) to have used the airport.

Interestingly, those respondents with a higher household income tend to be more likely to have used the airport in the past six months. Specifically, 36% of those with an income of \$100,000 or more have used the airport at least once, compared to 17% of those with an income of \$50,000 to \$100,000 and only 9% of those respondents with an income of less than \$50,000.



Base = Total Sample (n=803)

Number of Times Flown Into or Out of the Atlantic City Airport in the Past Six Months, by County					
	Total	Atlantic	Cape May	Cumberland	Salem
	n= (803)	B (201)	C (200)	D (202)	E (200)
Any	16%	22% _{DE}	20% _{DE}	9% _E	4%
Mean ¹	2.2	2.2	1.9	2.5	1.5
Median ¹	1.0	1.0	1.0	2.0	1.0
None	83%	78%	80%	90% _{BC}	96% _{BCD}
Don't know/Refused	<1	<1	1	<1	-

Base = Total Sample

¹Base = Those who have flown into or out of the Atlantic City Airport in the past six months

Letters indicate significant differences at the 95% confidence level.

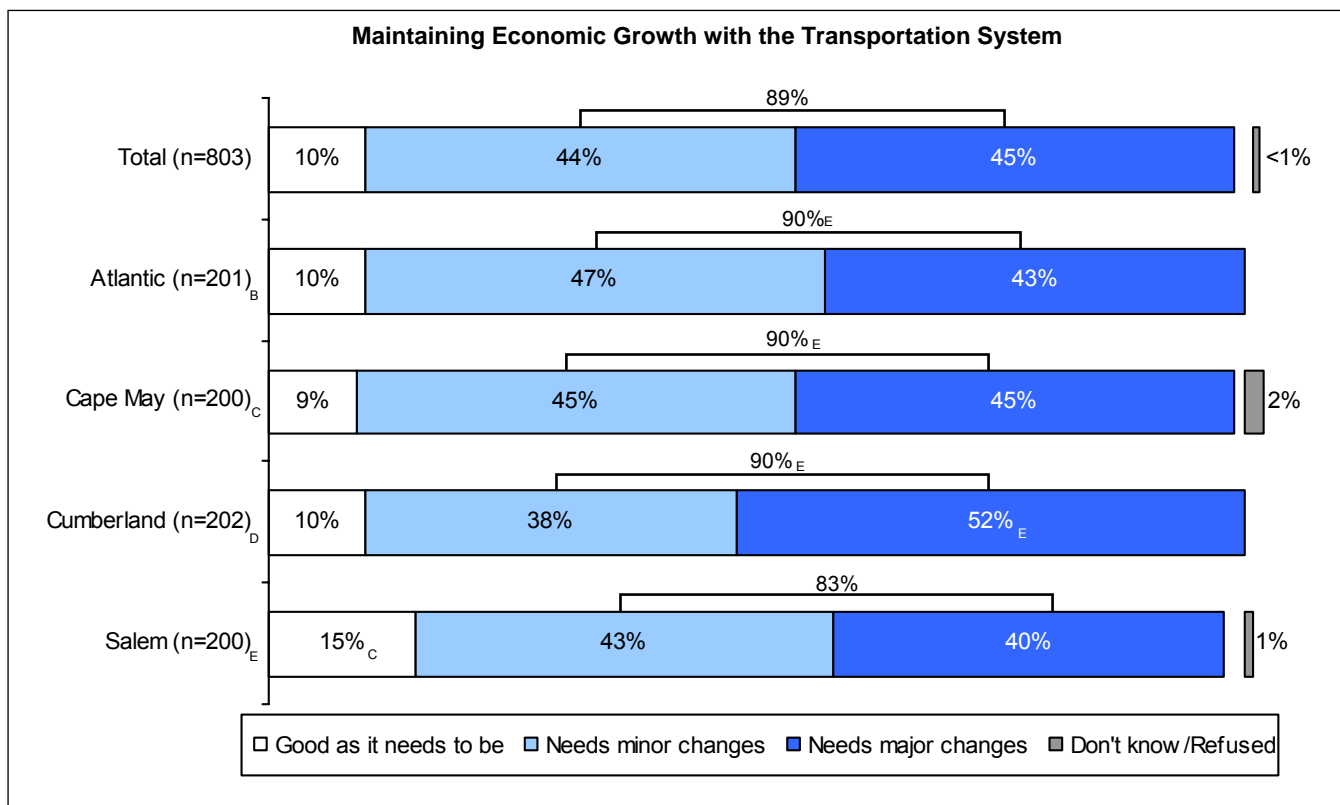
Q22. How many times have you flown into or out of the Atlantic City airport in the past six months?

**DETAILED FINDINGS:
Transportation Planning**

Maintaining Economic Growth with the Transportation System

All respondents were asked whether the transportation system in their area is as good as it needs to be, needs some minor changes, or needs some major changes in order to maintain economic growth in the next 5 to 10 years.

- Overall, about nine in ten respondents (89%) perceive the transportation system as needing changes. In fact, almost one-half (45%) said the system needs some major changes.
- Salem County residents were the least likely to say their area transportation system needs changes (83%), compared to 90% for the other three counties.



Base = Total Sample

Letters indicate significant differences at the 95% confidence level.

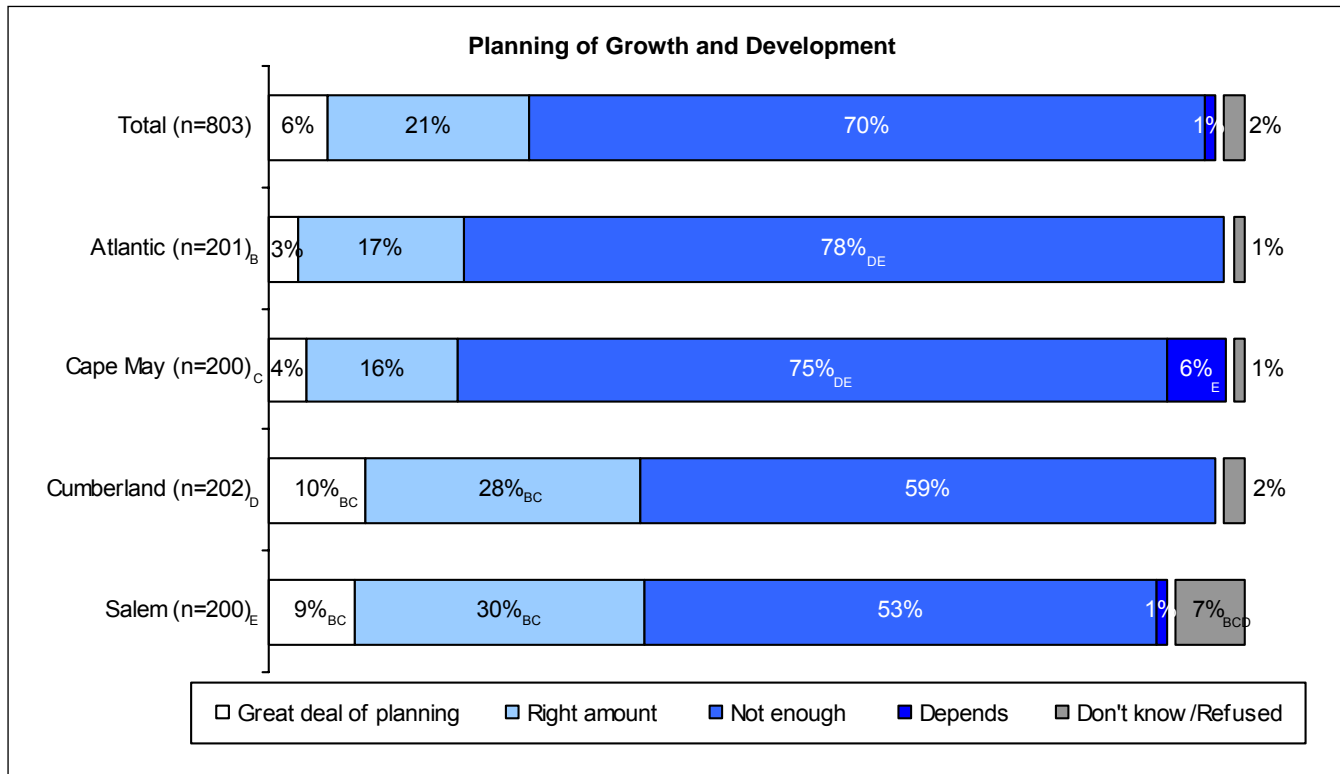
Q27. In order to maintain economic growth in the next 5 to 10 years, do you think the transportation system in your area is basically as good as it needs to be, needs some minor changes or needs some major changes?

Planning of Growth and Development

All respondents were asked how much attention and planning was given to how the new development that has happened in their area over the past 5 to 10 years would affect traffic congestion and the state's transportation system in general – a great deal of planning, the right amount of planning, or not enough planning.

- Overall, seven in ten respondents (70%) said there was not enough planning.
- Specifically, respondents in Atlantic County (78%) and Cape May County (75%) were more likely than those in Cumberland County (59%) and Salem County (53%) to say there was not enough planning done.

Interestingly, there seems to be a link between a respondent's perception of the planning of growth and development and their satisfaction with the area transportation system. The majority of those who are less than satisfied (76%) say there has not been enough planning, compared to 60% of those who are satisfied.



Base = Total Sample

Letters indicate significant differences at the 95% confidence level.

Q28. Overall, how much attention and planning do you think was given to how this new development would affect traffic congestion and the state's transportation system in general?

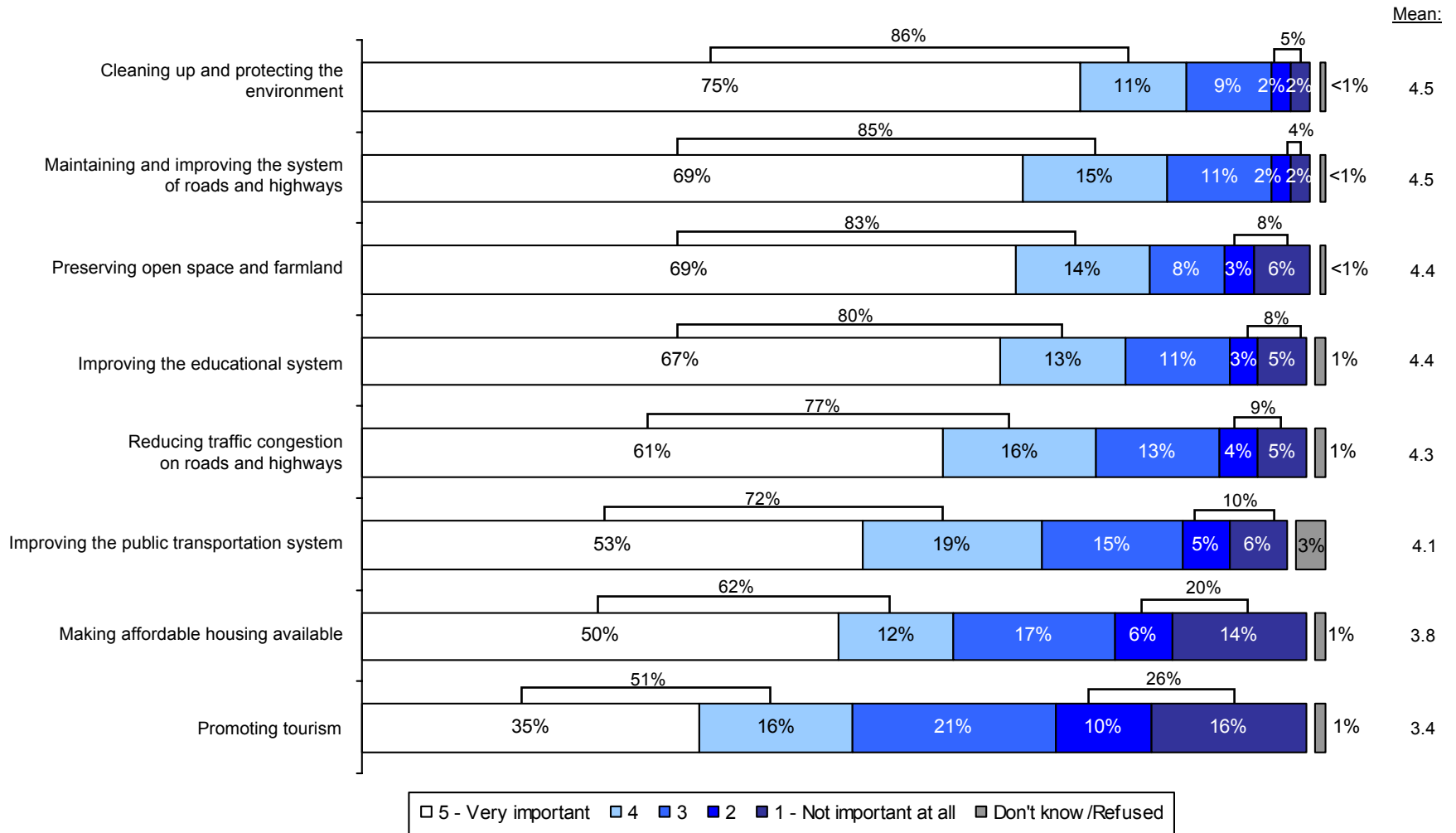
Importance of Issues in the Next 5 to 10 Years

All respondents were asked to rate the importance of eight issues facing their area in the next 5 to 10 years, using a 5-point scale where a 5 is very important and a 1 is not important at all.

- Overall, the issue of maintaining and improving the system of roads and highways (85% important, rated as 4 or 5) ranks second in importance only to cleaning and protecting the environment (86%).
 - Similar in importance to the roads and highways are preserving open space and farmland (83% important) and improving the educational system (80%).
 - Somewhat fewer, but still at least seven in ten rated the other two transportation related issues as important – reducing traffic congestion on roads and highways (77%) and improving the public transportation system (72%).
 - Making affordable housing available (62%) and promoting tourism (51%) are the least important of these issues in the overall South Jersey area.
- When looking at the proportion who rated each issue as important and ranking them in order from 1 to 8, different priorities across the four counties emerge.
 - In Atlantic County, the system of roads and highways and congestion issues take a backseat to the environment and preserving open space and farmland, while the public transportation system is of even less importance ranking sixth out of the eight issues.
 - In Cape May County, maintaining and improving the system of roads and highways is of top importance, along with the environment. Reducing congestion and improving the public transportation system, however, are of relatively lesser importance than preserving open space and farmland and improving the educational system.
 - In Cumberland County, the roads and highways top the list of important issues, while the public transportation system takes a backseat to the environment and educational system. In this county, traffic congestion is of lesser importance, ranking sixth out of eighth issues.
 - In Salem County, all of the transportation issues appear to be of lesser importance than the environment and the educational system, which tied for first in importance.

Importance of Issues in the Next 5 to 10 Years (continued)

Importance of Issues in the Next 5 to 10 Years



Base = Total Sample (n=803)

Q29. For each please tell me how important you think the issue is using a 5-point scale, where 5 is very important and 1 is not important at all.

Importance of Issues in the Next 5 to 10 Years (continued)

Importance of Issues in the Next 5 to 10 Years (% Important, Rated 4-5), by County						
	Total	Atlantic	Cape May	Cumberland	Salem	
	n=	(803)	B (201)	C (200)	D (202)	E (200)
Cleaning up and protecting the environment	86%	86%	88%	85%	83%	
Maintaining and improving the system of roads and highways	85	84	88 _E	87 _E	78	
Preserving open space and farmland	83	85	87 _D	78	82	
Improving the educational system	80	78	80	81	83	
Reducing traffic congestion on roads and highways	77	84 _{DE}	77 _E	74 _E	59	
Improving the public transportation system	72	69	73 _E	80 _{BE}	63	
Making affordable housing available	62	58	66 _E	72 _{BE}	55	
Promoting tourism	51	51	60 _E	51	41	

Base = Total Sample

Letters indicate significant differences at the 95% confidence level.

Q29. For each please tell me how important you think the issue is using a 5-point scale, where 5 is very important and 1 is not important at all.

Ranked Importance of Issues in the Next 5 to 10 Years (% Important, Rated 4-5), by County					
	Total	Atlantic	Cape May	Cumberland	Salem
Cleaning up and protecting the environment	1	1	1 _T	2	1 _T
Maintaining and improving the system of roads and highways	2	3 _T	1 _T	1	4
Preserving open space and farmland	3	2	3	5	3
Improving the educational system	4	5	4	3	1 _T
Reducing traffic congestion on roads and highways	5	3 _T	5	6	6
Improving the public transportation system	6	6	6	4	5
Making affordable housing available	7	7	7	7	7
Promoting tourism	8	8	8	8	8

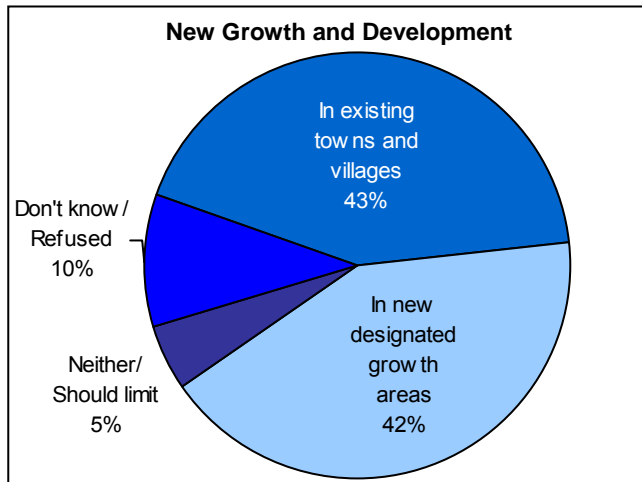
T=Tied ranking

New Growth and Development

The respondents were asked whether new growth and development should be concentrated in existing towns and villages or in new designated growth areas.

- Overall, opinion was split between these two options. About four in ten respondents chose existing towns and villages (43%) while a similar proportion chose new designated growth areas (42%). A few (5%) said growth and development should be in neither and should be limited.
- There was little difference in these findings across the four counties.

Interestingly, the higher the respondent's income the more likely they are to prefer new growth and development in existing towns and villages. Specifically, 52% of those with an income of \$100,000 or more prefer growth in existing areas, compared to 49% of those with an income of \$50,000 to \$100,000 and only 38% of those with an income of less than \$50,000.



Base = Total Sample (n=803)

New Growth and Development, by County					
	Total	Atlantic	Cape May	Cumberland	Salem
		B	C	D	E
n=	(803)	(201)	(200)	(202)	(200)
In existing towns and villages	43%	43%	44%	43%	46%
In new designated growth areas	42	44	40	39	42
Neither/Growth and development should be limited	5	4	5	6	4
Don't know/Refused	10	8	12	12	8

Base = Total Sample

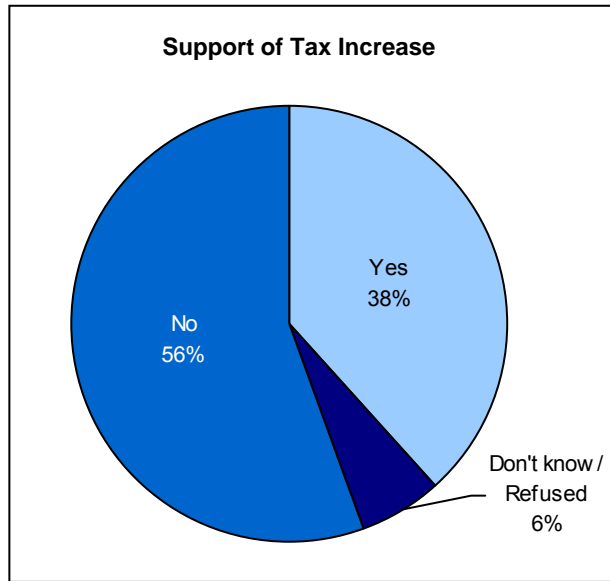
Letters indicate significant differences at the 95% confidence level.

Q30. In your opinion should new growth and development be concentrated in existing towns and villages or in new designated growth areas?

Support of Tax Increase

All respondents were asked if they would support a small tax increase if they knew the revenue raised would go solely towards transportation related projects. Examples included sales, gas, payroll or property tax.

- Overall, almost four in ten respondents (38%) said they would support a small tax increase.
- There were no significant differences in this measure by county.



Base = Total Sample (n=803)

Support of Tax Increase, by County					
	Total	Atlantic	Cape May	Cumberland	Salem
	n= (803)	B (201)	C (200)	D (202)	E (200)
Yes	38%	40%	39%	38%	31%
No	55	56	52	53	63 _{CD}
Don't know/Refused	6	4	10 _B	9 _B	5

Base = Total Sample

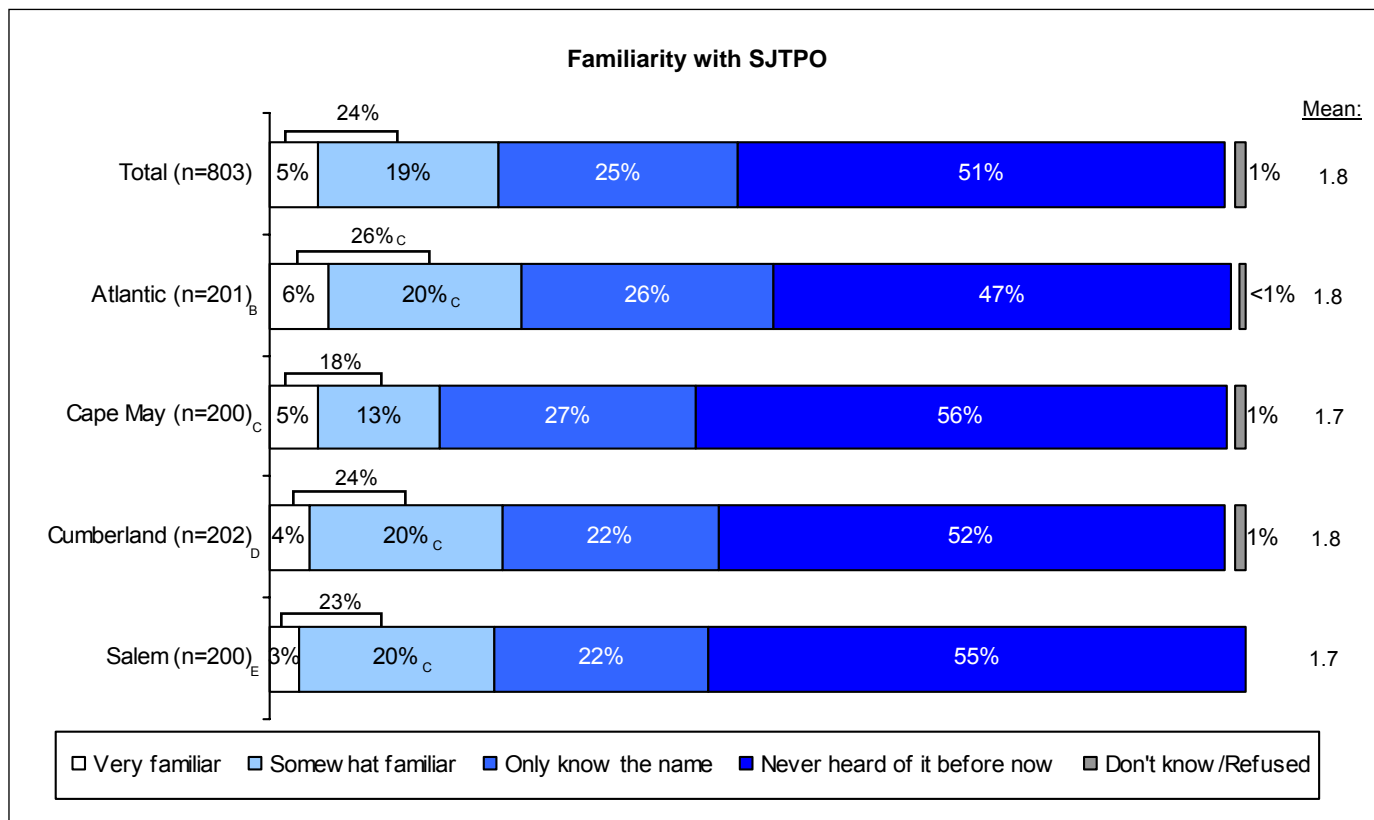
Letters indicate significant differences at the 95% confidence level.

Q32. Would you be willing to support a small tax increase of some kind - for example sales, gas, payroll or property tax - if you knew the revenue raised would go solely towards transportation related projects?

Familiarity with SJTPO

All respondents were asked to rate their familiarity with the South Jersey Transportation Planning Organization.

- In total, only about one-fourth (24%) are at all familiar with SJTPO. In fact, about one-half of the respondents (51%) said they had never heard of SJTPO before now.
- Residents of Atlantic County were the most familiar (26% very or somewhat familiar). Conversely, respondents in Cape May County tended to be least familiar with the organization, with 18% very or somewhat familiar.



Base = Total Sample

Letters indicate significant differences at the 95% confidence level.

Q33. How familiar are you with the South Jersey Transportation Planning Organization?

APPENDIX: SURVEY INSTRUMENT

REVISED: 4/3/07

Time Started: _____
Time Ended: _____
Sample Page #: _____
Record #: _____

SJTPO
South Jersey Transportation Planning Organization Survey
- Screening Questionnaire -

QUOTAS			
County	Male	Female	Total
Atlantic	20	20	40
Cape May	20	20	40
Cumberland	20	20	40
Salem	20	20	40
Total	80	80	160

Respondent's Name: _____

Telephone Number: _____

Interviewer: _____ Date: _____

CALL BACK INFO: DATE: _____ TIME: _____

ASK TO SPEAK TO THE MALE OR FEMALE HEAD OF HOUSEHOLD:

Hello, my name is ____, from WB&A's Center for Public Opinion Research. We are conducting a survey about transportation issues facing Southern New Jersey and we'd like to include your opinions. **This call may be monitored for quality control purposes.**

IF NECESSARY: This survey is being conducted on behalf of the South Jersey Transportation Planning Organization which is the Metropolitan Planning Organization for your area.

IF NECESSARY: This survey will take about 15 minutes to complete, depending on your responses.

IF RESPONDENT REFUSES BECAUSE THEY LIVE IN A RURAL AREA, READ: Regardless of where you live, your opinions on this survey are important. Transportation includes roads, sidewalks and bridges in addition to public transit.

S1. First, are you 18 years of age or older and one of the heads of the household?

- 01 Yes → CONTINUE
- 02 No → ASK TO SPEAK TO THE MALE OR FEMALE HEAD OF HOUSEHOLD, RESCREEN
- 98 Refused → ASK TO SPEAK TO THE MALE OR FEMALE HEAD OF HOUSEHOLD, RESCREEN

S2. In which county or jurisdiction do you live? **(DO NOT READ LIST. CHECK QUOTAS.)**

- 01 Atlantic County → CONTINUE
- 02 Cape May County → CONTINUE
- 03 Cumberland County → CONTINUE
- 04 Salem County → CONTINUE
- 95 Other → THANK & TERMINATE
- 98 Refused → THANK & TERMINATE

S3. What is your home zip code? **(RECORD AS FIVE DIGIT NUMBER. USE 99998 FOR REFUSED. USE 99999 FOR DON'T KNOW. TERMINATE THOSE WHO ANSWER REFUSED/DON'TKNOW).**

S4. Record Gender **(DO NOT ASK):**

- 01 Male (50% QUOTA)
- 02 Female (50% QUOTA)

(GO TO MAIN QUESTIONNAIRE)

SJTPO
South Jersey Transportation Planning Organization Survey
- Main Questionnaire -

ASK EVERYONE:

READ: First, let's talk about the transportation system in your area in general. This would include roads, buses, sidewalks, bridges, etc.

Q1. Please rate how satisfied you are with the transportation system in your area, using a scale from 1 to 5 where a 5 means you are very satisfied and a 1 means you are very dissatisfied.

- 05 Very satisfied
- 04
- 03
- 02
- 01 Very dissatisfied
- 98 **DO NOT READ:** Refused
- 99 **DO NOT READ:** Don't know

IF [Q1(01-05)], ASK:

Q1A. Why do you say that? **(PROBE AND CLARIFY.)**

ASK EVERYONE:

Q2. Would you say that you have many different travel modes to choose from in your area such as auto, transit, biking and walking to meet your travel needs or would you say that you have very few options to choose from?

- 01 Many different modes
- 02 Very few options
- 98 **DO NOT READ:** Refused
- 99 **DO NOT READ:** Don't know

Q3. Please rate how satisfied you are with the choices for alternative modes of transportation in your area, such as carpooling, public transportation, biking, walking and sidewalks, using a scale from 1 to 5 where a 5 means you are very satisfied and a 1 means you are very dissatisfied.

- 05 Very satisfied
- 04
- 03
- 02
- 01 Very dissatisfied
- 98 **DO NOT READ:** Refused
- 99 **DO NOT READ:** Don't know

Q4. **OMITTED**

Q5. **OMITTED**

Q6. Are you...? **(READ LIST. MULTIPLE RESPONSES ACCEPTED.)**

- 01 Employed full-time, → **CONTINUE**
- 02 Employed part-time, → **CONTINUE**
- 03 A full-time student, → **SKIP TO Q8**
- 04 A full-time homemaker, → **SKIP TO Q16**
- 05 Retired, → **SKIP TO Q16**
- 06 On temporary leave from your job, → **SKIP TO Q16**
- 07 Unemployed and looking for a job, or → **SKIP TO Q16**
- 08 Unemployed and not looking for a job → **SKIP TO Q16**
- 98 **DO NOT READ:** Refused → **SKIP TO Q16**

THOSE EMPLOYED [Q6(01-02)], ASK:

Q7. Do you usually commute to a workplace outside your home, or do you usually work at home? **(ACCEPT ONE RESPONSE ONLY. IF RESPONDENT SAYS "BOTH," "IT DEPENDS" OR "NOT SURE," ASK: Where do you usually work? IF UNABLE TO CLARIFY, CODE AS "BOTH")**

- 01 Commute to a workplace outside home → **CONTINUE**
- 02 Work at home → **SKIP TO Q16**
- 03 Both → **CONTINUE**
- 98 Refused → **SKIP TO Q16**

THOSE EMPLOYED WHO COMMUTE TO LOCATION OUTSIDE HOME/STUDENTS [Q6(03) OR Q7(01,03)], ASK Q8-Q15. FOR THOSE WHO WORK AND ARE STUDENT [Q6(03) AND Q7(01, 03)], INSERT WORK ONLY IN QUESTIONS WHERE APPROPRIATE.

Q8. At what time do you typically leave home for [work/school]? **(DO NOT READ LIST. PROBE FOR BEST ESTIMATE.)**

- 01 Before 6:00 am
- 02 6:00 am – 6:29 am
- 03 6:30 am – 6:59 am
- 04 7:00 am – 7:29 am
- 05 7:30 am – 7:59 am
- 06 8:00 am – 8:29 am
- 07 8:30 am – 8:59 am
- 08 9:00 am or later
- 96 No set time/It varies
- 98 Refused
- 99 Don't know

Q8A. And, at what time do you typically leave [work/school]? **(DO NOT READ LIST. PROBE FOR BEST ESTIMATE.)**

- 01 Before 4:00 pm
- 02 4:00 pm – 4:29 pm
- 03 4:30 pm – 4:59 pm
- 04 5:00 pm – 5:29 pm
- 05 5:30 pm – 5:59 pm
- 06 6:00 pm – 6:29 pm
- 07 6:30 pm – 6:59 pm
- 08 7:00 pm or later
- 96 No set time/It varies
- 98 Refused
- 99 Don't know

Q9. In what zip code do you [work/go to school]? **(USE 99998 FOR REFUSED. USE 99999 FOR DON'T KNOW. USE 66666 FOR IT VARIES/ALL OVER.)**

Q10. In what county do you [work/go to school]? **(DO NOT READ LIST. ACCEPT ONE RESPONSE ONLY.)**

- 01 Atlantic County
- 02 Cape May County
- 03 Cumberland County
- 04 Salem County
- 95 Other **SPECIFY:** _____
- 96 It varies/All over
- 98 Refused
- 99 Don't know

Q11. What is the **primary** type of transportation you use to commute **to and from** [work/school]? (**READ LIST ONLY IF NECESSARY. ACCEPT ONE RESPONSE ONLY. IF REFUSED OR DON'T KNOW [98/99], SKIP TO Q13.**)

Q12. What **other** types of transportation do you use to commute **to and from** [work/school]? (**READ LIST ONLY IF NECESSARY. ACCEPT ALL THAT APPLY.**)

	Q11	Q12
a. Drive your car alone	01	01
b. Carpool or vanpool	02	02
c. Take public bus transportation	03	03
d. Take public rail transportation	04	04
e. Take a taxi or limo	05	05
f. Ride a motorcycle	06	06
g. Ride a bicycle	07	07
h. Walk	08	08
i. Other (SPECIFY)	95	95
No others		96
Refused	98	98
Don't know	99	99

Q13. On average, how long does it take you to commute one-way to [work/school]? (**DO NOT READ LIST. CLARIFY FOR BEST ESTIMATE.**)

- 01 Less than 15 minutes
- 02 15 to less than 30 minutes
- 03 30 to less than 45 minutes
- 04 45 minutes to less than one hour
- 05 One hour or more
- 98 Refused
- 99 Don't know/Varies

Q14. Given the distance you have to travel, please rate how reasonable you think the time it takes you to commute one-way to [work/school] is, using a scale from 1 to 5 where a 5 means it is very reasonable and a 1 means it is very unreasonable.

- 05 Very reasonable
- 04
- 03
- 02
- 01 Very unreasonable
- 98 **DO NOT READ:** Refused
- 99 **DO NOT READ:** Don't know

Q14A. OMITTED

Q15. About how many miles is your commute from home to [work/school], one-way? Your best estimate is fine. (**DO NOT READ LIST. PROBE FOR BEST ESTIMATE.**)

- 01 Less than 5 miles
- 02 5 to less than 10 miles
- 03 10 to less than 15 miles
- 04 15 to less than 20 miles
- 05 20 miles or more
- 98 Refused
- 99 Don't know/Varies

ASK EVERYONE:

Q16. When thinking about transportation, how would you define congestion? Would you say it is...? (**READ LIST. RANDOMIZE 01-04. MULTIPLE RESPONSES ACCEPTED.**)

- 01 An increase in travel time,
- 02 A decrease in speed,
- 03 An increased number of cars,
- 04 Increased time at an intersection
- 95 Or do you define congestion in some other way? **SPECIFY:** _____
- 98 **DO NOT READ:** Refused
- 99 **DO NOT READ:** Don't know

Q16A. To what extent do you feel congestion is a problem in your area...(**READ ITEM A**)? Would you say it is a major problem, a minor problem or not a problem? And how about...(**CONTINUE WITH LIST. DO NOT RANDOMIZE**)

	Major problem	Minor problem	Not a problem	Refused	Don't know
a. Overall	03	02	01	98	99
b. Specifically on weekends	03	02	01	98	99
c. Specifically on weekends during the summer season	03	02	01	98	99

THOSE EMPLOYED WHO COMMUTE TO LOCATION OUTSIDE HOME/STUDENTS [Q6(03) OR Q7(01,03)], ASK:

Q16B. In general, how often do you experience congestion on your way to or from [work/school]? Would you say...? (**READ LIST.**)

- 04 Always,
- 03 Sometimes,
- 02 Rarely, or
- 01 Never
- 98 **DO NOT READ:** Refused
- 99 **DO NOT READ:** Don't know

THOSE EMPLOYED WHO COMMUTE TO LOCATION OUTSIDE HOME/STUDENTS [Q6(03) OR Q7(01,03)], ASK:

Q16C. On what one specific road in your area do you currently experience the most congestion on your trip to [work/school]? (CLARIFY. ACCEPT ONLY ONE RESPONSE. BE AS SPECIFIC AS POSSIBLE. INCLUDE ROAD, STREET, LANE, ETC. IN THE NAME)

- _____
- 96 None
 98 Refused
 99 Don't know

Q16D. OMITTED

THOSE EMPLOYED WHO COMMUTE TO LOCATION OUTSIDE HOME AND CITED A CONGESTED ROUTE [Q7(01,03) AND NOT Q16C(96,98,99)]

Q16E. Do you experience increased congestion on this route during the summer months?

- 01 Yes
 02 No
 98 Refused
 99 Don't know

ASK EVERYONE:

Q17. In general, how often do you experience congestion [IF WORKING/IN SCHOOL: other than on your way to or from work/school]? Would you say...? (READ LIST.)

- 04 Always,
 03 Sometimes,
 02 Rarely, or
 01 Never
 98 **DO NOT READ:** Refused
 99 **DO NOT READ:** Don't know

Q17A Thinking of everyone who lives in your household including yourself, how many are drivers? _____ (RECORD AS A TWO DIGIT NUMBER. USE 00 FOR NONE, 98 FOR REFUSED, 99 FOR DON'T KNOW)

Q17B. And how many are non-drivers? _____ (RECORD AS A TWO DIGIT NUMBER. USE 00 FOR NONE, 98 FOR REFUSED, 99 FOR DON'T KNOW. IF NONE, REFUSED, OR DON'T KNOW, SKIP TO Q20)

THOSE WHO HAVE ONE OR MORE NON-DRIVERS IN THEIR HOUSEHOLD [Q17B (NOT 00, 98, OR 99)]

Q18. How many people in your household including yourself cannot drive for the following reasons? (READ LIST OF REASONS, BUT NOT RESPONSE LIST. DO NOT RANDOMIZE.)

Reasons	None	One	Two or more	Refused	Don't know
a. Due to physical disability	96	01	02	98	99
b. They are too young to drive	96	01	02	98	99
c. They are an elderly person who is no longer willing or able to drive	96	01	02	98	99
d. They are old enough to drive but do not own a car	96	01	02	98	99
e. They are old enough to drive but do not have a driver's license	96	01	02	98	99

IF 01 OR 02 FOR ANY Q18 REASONS, ASK Q19 FOR THAT REASON:

Q19. When these people need to travel, how do they usually do it? Specifically ... (READ LIST OF REASONS, BUT NOT RESPONSE LIST. DO NOT RANDOMIZE. ACCEPT MULTIPLE RESPONSES.)

Reasons	Ride with someone else	Take public transportation	Walk	Ride a bike	Other (specify)	Refused	Don't know
a. Those with a physical disability	01	02	03	04	95 _____ _____	98	99
b. Those who are too young to drive	01	02	03	04	95 _____ _____	98	99
c. Any elderly person who is no longer willing or able to drive	01	02	03	04	95 _____ _____	98	99
d. Those who are old enough to drive but do not own a car	01	02	03	04	95 _____ _____	98	99
e. Those who are old enough to drive but do not have a driver's license	01	02	03	04	95 _____ _____	98	99

ASK EVERYONE:

Q20. How would you rate the following attributes of your area on a 5-point scale, where 5 is excellent and 1 is poor? The first/next is.... **(READ LIST. RANDOMIZE.)**

Attribute	Excellent				Poor	Refused	Don't know
a. Traffic signal operations	05	04	03	02	01	98	99
b. Condition of state roads and highways	05	04	03	02	01	98	99
c. Condition of local roads	05	04	03	02	01	98	99
d. Public transportation system	05	04	03	02	01	98	99

Q21. In the past few years, would you say the condition of these attributes has gotten better, worse or stayed about the same? **(READ LIST. RANDOMIZE IN SAME ORDER AS Q20.)**

Attribute	Better	Worse	Stayed the same	Refused	Don't know
a. Traffic signal operations	03	02	01	98	99
b. Condition of state roads and highways	03	02	01	98	99
c. Condition of local roads	03	02	01	98	99
d. Public transportation system	03	02	01	98	99

Q22. How many times have you flown into or out of the Atlantic City airport in the past 6 months? **(DO NOT ACCEPT RANGES. ENTER AS A THREE DIGIT NUMBER. 000=NONE, 998=REFUSED, 999=DON'T KNOW.)** _____

Q23. OMITTED

Q24. Now, I'm going to read you a list of possible strategies that might improve your area's transportation system. Please tell me to what extent you feel the strategy will improve your area's transportation system, using a 10-point scale, where a 10 means you feel it "will significantly improve the transportation system," and a 1 means you feel it "will not improve the transportation system at all." The first/next is.... **(READ LIST. REPEAT SCALE AS NECESSARY. RANDOMIZE. REFUSED=98, DON'T KNOW=99)**

	RATING
a. Better traffic signal timing	
b. Reducing the number of construction zones	
c. Improving and expanding bus services	
d. Providing better maintenance on existing roads and highways	
e. Providing special lanes on highways for carpools and buses	
f. Widening existing highways	
g. Providing special lanes on highways just for trucks	
h. Building more highways	
i. Designating special highway routes for truck traffic	
j. Providing new information systems to make it easier to carpool	
k. Providing new information systems to make it easier to take transit	
l. Building more connecting roads between neighborhoods and commercial areas	
m. Developing more park-and-ride facilities	
n. Expanding bicycle networks such as bike trails, lanes and routes	
o. Constructing more sidewalks	
p. Implementing new technologies to make highways more efficient, such as electronic message signs, websites, and radio updates	
q. Improving access to air travel	
r. Increasing service patrols to quickly respond to accidents and stalled vehicles, etc.	
s. Designing communities that make it easier for people to walk and bike to stores, schools and other public facilities and other neighborhoods	
t. Improving freight railroads so that more products can travel by rail instead of trucks	

Q25. OMITTED

Q25A. Remembering that transportation includes roads, buses, sidewalks, bridges, etc., what do you think should be the number one priority in terms of improving your area's transportation? **(PROBE AND CLARIFY.)**

Q26. OMITTED

Q27. Keeping in mind that economic growth depends on the system of transportation to move people and products in and out of your area, I'm going to read to you three statements about your area's economy and transportation system, meaning the roads, highways, buses, airports, and shipping ports. Please tell me which statement comes closest to your own view.

In order to maintain economic growth in the next 5 to 10 years, do you think the transportation system in your area is basically as good as it needs to be, needs some minor changes or needs some major changes? **(DO NOT READ LIST)**

- 01 As good as it needs to be
- 02 Needs some minor changes
- 03 Needs some major changes
- 98 Refused
- 99 Don't know

Q28. I'd like you to think about all the growth and development that has happened in your area over the past 5 to 10 years, such as new housing, office buildings, stores, and the like. Overall, how much attention and planning do you think was given to how this new development would affect traffic congestion and the state's transportation system in general? Would you say there was a great deal of planning, about the right amount of planning, or not enough planning? **(DO NOT READ LIST.)**

- 01 Great deal of planning
- 02 Right amount of planning
- 03 Not enough planning
- 04 Depends
- 98 Refused
- 99 Don't know

Q29. I am going to read you a list of issues that may be facing your area in the next 5 to 10 years. For each please tell me how important you think the issue is using a 5-point scale, where 5 is very important and 1 is not important at all. The first/next is.... **(READ LIST. RANDOMIZE.)**

Issue	Very important				Not important at all	Refused	Don't know
a. Cleaning up and protecting the environment	05	04	03	02	01	98	99
b. Improving the educational system	05	04	03	02	01	98	99
c. Reducing traffic congestion on roads and highways	05	04	03	02	01	98	99
d. Making affordable housing available	05	04	03	02	01	98	99
e. Improving the public transportation system	05	04	03	02	01	98	99
f. Maintaining and improving the system of roads and highways	05	04	03	02	01	98	99
g. Promoting tourism	05	04	03	02	01	98	99
h. Preserving open space and farmland	05	04	03	02	01	98	99

Q30. Now I am going to ask you a few questions on growth and development since these issues affect the transportation system. In your opinion should new growth and development be concentrated in existing towns and villages or in new designated growth areas? **(DO NOT READ LIST.)**

- 01 In existing towns and villages
- 02 In new designated growth areas
- 96 Neither/Growth and development should be limited
- 98 Refused
- 99 Don't know

Q31. OMITTED

Q32. Would you be willing to support a small tax increase of some kind - for example sales, gas, payroll or property tax - if you knew the revenue raised would go solely toward transportation related projects? **(DO NOT READ LIST.)**

- 01 Yes
- 02 No
- 98 Refused
- 99 Don't know

Q33. This survey is being conducted by the South Jersey Transportation Planning Organization. How familiar are you with this organization? Would you say you are...? **(READ LIST.)**

- 04 Very familiar,
- 03 Somewhat familiar,
- 02 Only know the name, or
- 01 Never heard of it before now
- 98 **DO NOT READ:** Refused
- 99 **DO NOT READ:** Don't know

READ: The final few questions are for classification purposes only, and will be kept strictly confidential.

D1. MOVED TO S2

D2. How many years have you lived in your area? **(DO NOT READ LIST.)**

- 01 Less than 1 year,
- 02 1 to 2 years,
- 03 3 to 5 years,
- 04 6 to 10 years,
- 05 11 to 20 years
- 06 21 to 30 years, or
- 07 More than 30 years
- 98 **DO NOT READ:** Refused
- 99 **DO NOT READ:** Don't know

D3. What is your age? **(READ LIST ONLY IF NECESSARY.)**

- 01 18-24,
- 02 25-34,
- 03 35-44,
- 04 45-54,
- 05 55-64,
- 06 65-74, or
- 07 75 or older
- 98 **DO NOT READ:** Refused

D4. What is your race or ethnic background? Are you...? **(READ LIST. ACCEPT ONE RESPONSE ONLY.)**

- 01 Black or African-American,
- 02 White or Caucasian,
- 03 Asian or Asian-American,
- 04 Hispanic,
- 05 Pacific Islander,
- 06 Native American, or
- 95 Of some other racial background **SPECIFY:** _____
- 98 **DO NOT READ:** Refused

D5. Please stop me when I reach the category that includes your total annual household income for 2006, before taxes and counting all working members. **(READ LIST.)**

- 01 Less than \$15,000,
- 02 \$15,000 to less than \$25,000,
- 03 \$25,000 to less than \$35,000,
- 04 \$35,000 to less than \$50,000,
- 05 \$50,000 to less than \$75,000,
- 06 \$75,000 to less than \$100,000,
- 07 \$100,000 to less than \$150,000,
- 08 \$150,000 to less than \$200,000, or
- 09 \$200,000 or more
- 98 **DO NOT READ:** Refused
- 99 **DO NOT READ:** Don't know

D6. How many vehicles, including any cars, trucks, vans or motorcycles, do you or anyone else living in your household either own or lease? **(DO NOT READ LIST.)**

- 01 One
- 02 Two
- 03 Three
- 04 Four or more **SPECIFY:** _____
- 96 None
- 98 Refused
- 99 Don't know

READ TO EVERYONE:

Those are all the questions I have. Thank you very much for your cooperation. For quality control purposes, you may receive a follow up phone call from my supervisor to verify that I have completed this interview. Can I please get your name or initials so they know who to ask for if they call back?

RECORD NAME AND CONFIRM PHONE NUMBER FOR SUPERVISOR VERIFICATION.